NOTICE OF MEETING
CITY COUNCIL OF THE CITY OF GALVESTON
THURSDAY - OCTOBER 17, 2019 - 1:15 P.M.
COUNCIL CHAMBERS - CITY HALL
823 ROSENBERG, GALVESTON, TEXAS
TELEPHONE: (409) 797-3510

REGULAR MEETING AGENDA

1. DECLARATION OF A QUORUM AND CALL MEETING TO ORDER

2. ROLL CALL

3. INVOCATION

4. PLEDGE OF ALLEGIANCE

   - American Flag
   - Texas Flag - *Honor the Texas Flag. I pledge allegiance to thee, Texas, one state, under God, one, and indivisible.*

5. CONFLICTS OF INTEREST

6. PRESENTATIONS/REPORTS OF COUNCIL, OFFICER BOARDS, AND CITY MANAGER

6.A. Pursuant To Texas Government Code Section 551.0415, The City Council May Report On Any Of The Following Items:

1. Expressions of thanks, gratitude, and condolences

2. Information regarding holiday schedules

3. Recognition of individuals
   A. Domestic Violence Awareness Month Proclamation
   B. Spinal Health Month Proclamation
   C. Breast Cancer Awareness Month Proclamation
   D. Presentation from Rosenberg Elementary School Students

4. Reminders regarding City Council events

5. Reminders regarding community events

6. Health and safety announcement

6.B. Promotion Of James Pope To Chief Deputy In The City Marshal's Office

6.C. 2019 Planning & Design Awards (C. Gorman - 5 Minutes)

7. COMMUNICATIONS AND PETITIONS
   Claims: 19-078 - Hunter Marsh; 19-079 - John Powell; 19-080 - PetSmart #2199; 19-081 - National UPC Insurance; 19-082 - Michael Minick; 19-083 - Sean M. Welsh; 19-084 - Deshawndo Williams; 19-085 - CenterPoint Energy; and 19-086 - Ollive Shepherd.

8. PUBLIC HEARINGS

8.A. Consider For Action An Ordinance Of The City Of Galveston Texas, Amending Ordinance No. 18-011 Allowing For A New Development Schedule Of A Planned Unit

Development (PUD) Overlay Zoning District In A Single-Family Residential (R-1) Base Zoning District On A Subdivision Commonly Known As West Isle, And Which Is Legally Described As 100.79 Acres Of Land Out Of Abstract 121 Hall & Jones Survey Tr 1-7 Acres 219.885, A Subdivision In The City And County Of Galveston, Texas. Planning Case Number 19P-038; Making Various Findings And Provisions Related To The Subject; And Providing Of An Effective Date. (D. Henry)

Documents:

19P-038 - CC STAFF REPORT.PDF
19P-038 -PUD - WEST ISLE - APPROX 100.79 ACRES.PDF

8.B. Consider For Approval An Ordinance Of The City Of Galveston, Texas, Designating The Property Located At 1107 Church / Avenue F, As A "Galveston Landmark", Property Is Legally Described As M. B. Menard Survey, Lot 5, Block 371, In The City And County Of Galveston, Texas; Requesting The Historic Preservation Officer Record The Property's Landmark Designation In The Official Public Records Of Real Property In Galveston County, The Tax Records Of The City Of Galveston And The Central Appraisal District, And The Official Zoning Maps Of The City Of Galveston, Texas; Planning Case Number 19P-046; Making Various Findings And Provisions Related To The Subject. (C. Gorman)

Documents:

19P-046 STF RPT PKT WITH ORD.PDF

8.C. Consider For Approval An Ordinance Of The City Of Galveston, Texas, Designating The Property Located At 2201 Market/Avenue D, As A "Galveston Landmark", Property Is Legally Described As M.B. Menard Survey, Lots 6 And 7, Block 502, In The City And County Of Galveston, Texas; Requesting The Historic Preservation Officer Record The Property's Landmark Designation In The Official Public Records Of Real Property In Galveston County, The Tax Records Of The City Of Galveston And The Central Appraisal District, And The Official Zoning Maps Of The City Of Galveston, Texas; Designating The Site As A Historically Or Archeological Significant Site In Need Of Tax Relief To Encourage Its Preservation; Planning Case No. 19P-049; Making Various Findings And Provisions Related To The Subject. (C. Gorman)

Documents:

19P-049 STF RPT PKT WITH ORD.PDF

8.D. Consider For Approval An Ordinance Of The City Of Galveston, Texas, Granting A Variance Pursuant To Section 4-1 "Sales Near Schools, Churches Or Hospitals" Of "The Code Of The City Of Galveston, 1982 As Amended" And In Accordance With Section 109.33 (E) Of The Texas Alcoholic Beverage Code; Regarding The Sale Of Alcoholic Beverages On Property Located At 3316 Church/ Avenue F; Which Is Legally Described As "Flastaff Place Partial Replat (2018), Lot 3-A, In The City And County Of Galveston, Texas And Which Is Located Within Three Hundred Feet Of A School, Church, Or Hospital; Planning Case Number 19PA-044; Making Various Findings And Provisions Related To The Subject. (J. Norman)

Documents:

19PA-044 PKT.PDF

9. PUBLIC COMMENT

A. Agenda Items
B. Non-Agenda Items

10. ORDINANCES (NOT REQUIRING PUBLIC HEARINGS)

10.A. Consider For Approval An Ordinance Of The City Of Galveston, Texas, Amending Chapter 10, "Building Code," Of "The Code Of The City Of Galveston, 1982; As Amended", By Amending The "2012 International Residential Code Amendments", "Attachment A", "Appendix R", "Fees" To Comply With State Law Legislative Changes Related To Permit Fees; Providing For An Effective Date; Making Various Findings And Provisions Related To The Subject. (T. Sukup)

Documents:

IRC - APPENDIX R - AMENDED FEES-2019-DF.DOC
STAFF REPORT PERMIT FEES.DOC

10.B. Ordinances - City Code Review

10.B.1. Consider For Approval An Ordinance Of The City Of Galveston, Texas, Amending The Code Of The City Of Galveston, As Amended, Chapter 1, "General Provisions" To Amend, Update Regulations, Standards, And Definitions; To Make Clarifications, Rename, Renumber And Rearrange The Chapter As Applicable; Providing For Penalties As Applicable; Making Various Findings And Provisions Related To The Subject; Providing For An Effective Date. (Legal)

Documents:

CHAPTER 1 - GENERAL PROVISIONS - FINAL REVIEWED ORDINANCE.DOC

10.B.2. Consider For Approval An Ordinance Of The City Of Galveston, Texas, Amending The Code Of The City Of Galveston, As Amended, Chapter 3, "Airports" To Amend, Update Regulations, Standards, And Definitions; To Make Clarifications, Rename, Renumber And Rearrange The Chapter As Applicable; Providing For Penalties As Applicable; Making Various Findings And Provisions Related To The Subject; Providing For An Effective Date. (Legal)

Documents:

CHAPTER 3 - AIRPORTS FINAL ORDINANCE - 2019.DOC

10.B.3. Consider For Approval An Ordinance Of The City Of Galveston, Texas, Amending The Code Of The City Of Galveston, As Amended, Chapter 7, "Animals And Fowl", To Amend, Update Regulations, Standards, And Definitions; To Make Clarifications, Rename, Renumber And Rearrange The Chapter As Applicable; Providing For Penalties As Applicable; Making Various Findings And Provisions Related To The Subject; Providing For An Effective Date. (Legal)

Documents:

CHAPTER 7- ANIMALS AND FOWL -FINAL.DOCX

10.B.4. Consider For Approval An Ordinance Of The City Of Galveston, Texas, Amending The Code Of The City Of Galveston, As Amended, Chapter 11, "Cemeteries" To Amend, Update Regulations, Standards, And Definitions; To Make Clarifications, Rename, Renumber And Rearrange The Chapter As Applicable; Providing For Penalties As Applicable; Making Various Findings And Provisions Related To The

Subject; Providing For An Effective Date. (Legal)

Documents:

CHAPTER 11 - CEMETERIES REVIEWED ORDINANCE - 2019.DOC

10.B.5. Consider An Ordinance Of The City Of Galveston, Texas, Amending The Code Of The City Of Galveston, As Amended, Chapter 22.5, "Neighborhood Partnership Program" To Amend, Update Regulations, Standards, And Definitions; To Make Clarifications, Rename, Renumber And Rearrange The Chapter As Applicable; Providing For Penalties As Applicable; Making Various Findings And Provisions Related To The Subject; Providing For An Effective Date. (Legal)

Documents:

CHAPTER 22.5 - NEIGHBORHOOD PARTNERSHIP PROGRAM - REVIEWED ORDINANCE - 2019.DOC

11. CONSENT ITEMS

The following items shall be considered for action as a whole, unless one or more Council Members objects. The City Manager is authorized to execute all necessary documents upon final approval by the City Attorney.

11.A. Consider For Approval Directing The City Auditor To Amend The City Audit Plan For 2020 To Assist The Port Of Galveston With Review Of Leases Held By The Port. (Brown/Yarbrough)

11.B. Consider For Approval Accepting The City Auditor's Report On The Port Of Galveston CAFR Audit Report PORTSP2019-1b. (G. Bulgherini)

Documents:

SP2019-1B PORT OF GALVESTON CAFRS.PDF

11.C. Consider For Approval A Resolution Of The City Council Of The City Of Galveston, Texas, Expressing Its Intent To Close Tax Increment Reinvestment Zones 12 And 14 In The City Of Galveston; Acknowledging The County Of Galveston's Support For Such Closure; Directing The Galveston Island Redevelopment Authority To Take All Necessary Steps To Wind Up Agreements With The Developers And/Or Lenders Of Those Zones With All Deliberate Speed And Make Periodic Reports Of The Progress Of Those Efforts So As To Allow The City To Effect Closure Of Both Zones In December 2019; And Providing For Findings Of Fact And For An Effective Date. (Legal)

Documents:

RESOLUTION DIRECTING RDA TO TAKE ACTION OF TIRZ 12 AND 14.DOCX

11.D. Consider For Approval A Resolution Of The City Council Of The City Of Galveston, Texas, Approving And Authorizing The City Manager To Convey To The Galveston Bay Foundation Real Property Consisting Of Two Parcels Of Five Acres Each Northwest Of Broome Road And Wren Road 400 Feet To The East Of Sweetwater Lake, Authorizing Payment Of Stewardship Fee Of $34,166.66 To Galveston Bay Foundation, Authorizing Use Of Southland Title Company To Prepare The Title Policy And Closing Documents With The City Paying The Costs Thereof, Authorizing The City Manager To Execute The Necessary Documents Upon Approval Of The City Attorney; Directing City Manager To Seek Reimbursement Of Associated Costs From The General Land Office; Providing For Findings Of Fact And Providing For An Effective Date. (Legal)

Documents:

MEMORANDUM ON RESOLUTION FOR GALVESTON BAY FOUNDATION CONVEYANCE.DOCX
RESOLUTION CONVEYING WETLANDS TO GALVESTON BAY FOUNDATION.DOCX

11.E. Consider For Approval A Resolution Of The City Council Of The City Of Galveston, Texas, Supporting A Request To The United States Department Of The Interior, Bureau Of Reclamation Policy And Administration For WaterSMART: Water And Energy Efficiency Grants For Fiscal Year 2020 Funding In The Amount Of Three Hundred Thousand Dollars ($300,000) For Various Water Efficiency And Conservation Projects Within The City Of Galveston; Authorizing The City Manager Or His Designee To Submit All Required Grant Applications, Information And Data To Support Same; Making Various Findings And Provisions Related To The Subject; And Providing For An Effective Date. (R. Pugh)

Documents:

USBR WATERSMART GRANT RESOLUTION.PDF
RES. NO. 20-XXX - FY2020 WATERSMART GRANT.DOCX

11.F. Consider For Approval A Memorandum Of Understanding Between The City Of Galveston And Galveston College For The Continuation Of The Leadership Pathway Training Program. (K. Etienne)

Documents:

COG_MOU_9_25.19.PDF

11.G. Consider Approval Of DCMC Partners Task Order #2 To The Disaster Services Contract Awarded On October 31, 2018 Authorizing The Expenditure Of An Amount Not To Exceed $105,968.00 For Technical Assistance And Disaster Consulting Services. (T. Wrobleski)

Documents:

DCMC PARTNERS - TASK ORDER NO. 2.PDF

11.H. Consideration Of Annual (2019-2020) Service Plan For Bayside At Waterman's Public Improvement District (PID) And Associated Resolution Thereof. (G. McLeod)

Documents:

STAFF REPORT BAYSIDE AT WATERMANS PID.DOCX
2019 SAP UPDATE BAYSIDE AT WATERMANS PID GALVESTON.PDF

11.I. Consider For Approval An Economic Development Agreement Between The Industrial Development Corporation, And The City Of Galveston For Improvements And The Maintenance Of Those Improvements Along 27th Street From Broadway To Market Street. (G. McLeod)

Documents:

STAFF REPORT 27TH STREET PHASE III.DOCX
27TH STREET PHASE III AGREEMENT.DOCX
27TH STREET PHASE III RESOLUTION.DOCX

11.J. Consider For Approval The Permitting Of Overnight Camping In The Areas Of 25th To 21st And Seawall Blvd. From Thursday, October 31, 2019 Through Sunday, November 3, 2019, Which Will Allow The Lone Star Rally Vendors The Availability To Setup In The Event Venue. (D. Smith)

Documents:

LSR OVERNIGHT CAMPING PACKET.PDF

11.K. Consider For The Approval Allowing The Fleet Facility To Purchase The Listed Rolling Stock (Tractor Mower) And Associated Equipment From Brookside Equipment Sales Via Deere And Company Through HGAC Buy For A Total Price Of $76,580.22 And Authorize The City Manager To Execute The Contract Upon Final Approval By The City Attorney. (D. Smith)

Documents:

BROOKSIDE TRACTOR W MOWER PURCHASE PACKET.PDF

11.L. Consider For The Approval Allowing The Fleet Facility To Purchase The Listed Rolling Stock (HD Crane Truck) And Associated Equipment From MHC Kenworth Through Buy Board For A Total Price Of $180,620.19 And Authorize The City Manager To Execute The Contract Upon Final Approval By The City Attorney. (D. Smith)

Documents:

MHC KENWORTH CRANE TRK PURCHASE PACKET.PDF

11.M. Consider For The Approval Allowing The Fleet Facility To Purchase The Listed Rolling Stock (Dozer & Loader) And Associated Equipment From Mustang Cat Through HGAC Buy For A Total Price Of $233,914.80 And Authorize The City Manager To Execute The Contract Upon Final Approval By The City Attorney. (D. Smith)

Documents:

MUSTANG DOZER LOADER CAT PURCHASE PACKET.PDF

11.N. Consider For The Approval Allowing The Fleet Facility To Purchase The Listed Emergency Equipment From Siddons Martin Emergency Group, Who Will Also Provide All Installations, Through Buy Board, For A Total Price Of $22,335.96, And Authorize The City Manager To Execute The Contract Upon Final Approval By The City Attorney. (D. Smith)

Documents:

GPD EQUIPMENT ADD PACKET.PDF

11.O. Consider For Approval To Continue The League City OSSI GRID Consortium With The Expenditure Of $31,186.77 To Maintain Off-Site System Servers Allowing Full Access To A Multi-Agency Records Management System. (V. Hale)

Documents:

LEAGUE CITY GRID 2019.PDF

11.P. Consider For Approval The Police Department's Annual Renewal Of The Leads Online Investigation System Totaling $15,533 To Be Funded By The Maintenance Contracts

Account. (V. Hale)

Documents:

LEADS ONLINE FY2020 10.17.19.PDF

11.Q. Consider For Approval Of A Contract With Angel Brothers Enterprises Ltd., For The 49th Street Improvements From Ave P To Ave S 1/2 Project (RFP #19-29) In The Amount Of $3,649,779.25. Authorizing The City Manager To Execute All Necessary Documents Upon Final Approval By The City Attorney. (D. Anderson)

Documents:

ANGEL BROTHERS ENTERPRISES - 49TH STREET IMPROVEMENTS PROJECT RFP 19-29.PDF

11.R. Consider For Approval Change Order No. 3 To The Contract With Main Lane Industries, Ltd., For The 45th Street Improvements From Broadway To Seawall Boulevard Project, Increasing The Contract By $359,018.80 From The Amount Of $10,020,253.00 To A New Total Amount Of $10,379,271.80. Authorizing The City Manager To Execute All Necessary Documents Upon Final Approval By The City Attorney. (D. Anderson)

Documents:

MAIN LANE - 45TH STREET IMPROVEMENTS - CO 3.PDF

11.S. Consider For Approval Awarding The RFQ 19-01, 15th Street Pump Station Design And Engineering To T. Baker Smith (TBS), The Most Qualified Respondent, So The Engineering Fee Can Be Negotiated And Submitted To City Council For Design Fee Award In November. (D. Christodoss)

Documents:

15TH STREET PS STAFF REPORT_REV1.PDF

11.T. Consider For Approval Awarding The Pirates Beach Area Water Improvements Project (RFP-19-28) To T-Construction, LLC For An Amount Not To Exceed $615,290.00. Authorizing The City Manager To Execute All Necessary Documents Upon Final Approval By The City Attorney. (A. Grasso)

Documents:

T-CONSTRUCTION - PIRATES BEACH AREA WATER IMPROVEMENTS PROJECT RFP 19-28.PDF

11.U. Consider For Approval The Financing Of The Annual Maintenance Contract On The Chemical Disinfection Analyzer Systems For Various Supply Division Pump Station And Elevated Water Storage Tanks From The Sole Source Provider CFI Services. The Annual Cost Of The Contract Is $66,209.00. Authorizing The City Manager To Execute All Necessary Documents Upon Final Approval By The City Attorney. (A. Grasso)

Documents:

CFI SERVICES - ANNUAL MAINTENANCE CONTRACT.PDF

11.V. Consider For Approval An Annual Service Fee To Municipal H2O In The Amount Of $7,800.00 Per Year To Implement A Risk Management Program As Required By The

Environmental Protection Agency For A Period Of 5 Years. Funding Source Is The Other Expense Water Work Operation Fund – Other Contracts Account (25%) And The Sewer System Enterprise Account (75%). (A. Grasso)

Documents:

MUNICIPAL H2O - RISK MANAGEMENT PROGRAM.PDF

11.W. Consider For Approval A Payment Of An Amount Not To Exceed $50,000.00 To T Construction, LLC For Emergency Repairs To The 8 Inch Sanitary Sewer System On 25th Street At The Postoffice - Church Street Alley. Authorizing The City Manager To Execute All Necessary Documents Upon Final Approval By The City Attorney. (A. Grasso)

Documents:

T-CONSTRUCTION - EMERGENCY REPAIRS TO 8 INCH SANITARY SEWER AT 25TH ST AND POSTOFFICE.PDF

11.X. Consider Awarding The Annual Fire Hydrant Replacement Project (RFP 19-27) To Texas Pride Utilities, LLC For An Amount Not To Exceed $1,985,000.00. Authorizing The City Manager To Execute All Necessary Documents Upon Final Approval By The City Attorney. (A. Grasso)

Documents:

TEXAS PRIDE UTILITIES - ANNUAL FIRE HYDRANT REPLACEMENT PROJECT RFP 19-27.PDF

11.Y. Consider For Approval The Use Of The Cooperative Purchasing Contract Through The HGAC Contract From Toter Incorporated For The Purchase Of EVR 1 Series 96 Gallon Automated Rollout Garbage Carts And Repair Parts. Authorizing City Manager To Execute All Necessary Documents Upon Final Approval By The City Attorney. (C. DeWitt)

Documents:

TOTER - CARTS AND REPAIR PARTS.PDF

11.Z. Consider For Approval The Renewal Of The Annual Maintenance Support Agreement For City's Enterprise Content Management Solution (ECM), Laserfiche, Awarding The Contract To MCCi In The Amount Of $42,595.70. (H. Dean)

Documents:

FY20 LASERFICHE SOFTWARE SUPPORT RENEWAL STAFF REPORT.PDF
00018701.PDF

11.AA. Consider For Action Authorizing The City Manager To Enter Into A 3 Year Maintenance And Support Agreement With Accela, Inc For The Maintenance And Support Of The Permitting, Mobile Office, Code Enforcement And Parcel Management Software. (H.Dean)

Documents:

ACCELA MAINTENANCE AND SUPPORT STAFF REPORT.PDF
GALVESTON, TX - THREE YEAR RENEWAL ORDER FORM.PDF

11.BB. Consider Approving The Renewal Of The VMware Software Maintenance Contract For $25,886.51. (H. Dean)

Documents:

SCW_QUOTE_100208051.PDF
FY20 VMWARE SUPPORT RENEWAL STAFF REPORT.PDF

11.CC. Consider For Approval A Resolution Of The City Council Of The City Of Galveston, Texas, Accepting The City's Portion Of A 2019 Byrne Justice Assistance Grant From The Department Of Justice In A Joint Total Amount Of $33,578.00, And Said City Portion To Provide For The Purchase Of Equipment (Tactical Patrol Equipment) For The Marshals Office And The City Of Galveston's Police Department; Authorizing The City Manager To Execute An Interlocal Agreement With Galveston County; Appointing The County As Fiscal Agent For The Grant; Dividing The Total Grant Award Between The Parties; Providing For Findings Of Fact And Providing For An Effective Date. (B. Stroud)

Documents:

JAG GRANT PACKET.PDF

11.DD. Consider For Approval A 3-Year Contract With 2 One-Year Optional Years For A Total Of 5 Years. This Contract Is For A Vehicle Disabling Device (Barnacle) Provided By ITSA Solutions LLC, Which Is A Sole Source Provider For This Type Of Device, And Authorize The City Manager To Execute The Contract Upon Final Approval By The City Attorney. (B. Stroud)

Documents:

BARNACLE AGREEMENT PACKET.PDF

11.EE. Consider Approving Purchases Of Operational Supplies Using The Contract With The Home Depot U.S.A., Inc. Through The U.S. Communities Purchasing Cooperative. Estimated Costs For Products Not To Exceed Council Approved Budgets. (M. Loftin)

Documents:

STAFF REPORT HOME DEPOT FY20.PDF

11.FF. Consider Approving Purchases Of Operational Supplies Using The Contract With Amazon Services, LLC, Amazon Business Through The U.S. Communities Purchasing Cooperative. Estimated Costs For Products Not To Exceed Council Approved Budgets. (M. Loftin)

Documents:

STAFF REPORT AMAZON FY20.PDF

11.GG. Consider Approving Purchases Of Office Supplies, Technology Items, Furniture, And Janitorial Supplies Using The Cooperative Purchasing Network's (TCPN) Contract With Office Depot. Estimated Costs For Products Not To Exceed Council Approved Budgets.or Products Not To Exceed Council Approved Budgets. (M. Loftin)

Documents:

STAFF REPORT OFFICE DEPOT FY20.PDF

11.HH. Consider Approving Purchases Of Operational Supplies Using The Contract With Sam's Club Through The Purchasing Association Of Cooperative Entities (PACE) Purchasing Cooperative. Estimated Costs For Products Not To Exceed Council Approved Budgets. (M. Loftin)

Documents:

STAFF REPORT SAMS CLUB FY20.PDF

11.II. Consider Approving Purchases Of Maintenance, Repair, Safety And Operational (MRO) Supplies And Related Services Using The Contract With Grainger Through The Cooperative Purchasing Network (TCPN/National IPA) Purchasing Cooperative. Estimated Costs For Products Not To Exceed Council Approved Budgets. (M. Loftin)

Documents:

STAFF REPORT GRAINGER FY20.PDF

11.JJ. Consider Approving Purchases Of Office And Other Operational Supplies Using The Contract With Staples Contract And Commercial, Inc. Through The BuyBoard Purchasing Cooperative. Estimated Costs For Products Not To Exceed Council Approved Budgets. (M. Loftin)

Documents:

STAFF REPORT STAPLES FY20.PDF

11.KK. Consider Approving Purchases Of Maintenance, Repair, And Operational (MRO) Supplies And Related Services Using The Contract With Fastenal Company Through The Cooperative Purchasing Network (TCPN/National IPA) Purchasing Cooperative. Estimated Costs For Products Not To Exceed Council Approved Budgets. (M. Loftin)

Documents:

STAFF REPORT FASTENAL FY20.PDF

11.LL. Consider Approving Purchases Of Building Maintenance, Repair, Operations Supplies And Equipment Using The Contract With McCoy's Building Supply Through The BuyBoard Purchasing Cooperative. Estimated Costs For Products Not To Exceed Council Approved Budgets. (M. Loftin)

Documents:

STAFF REPORT MCCOYS FY20.PDF

11.MM. Consider For Approval Minutes Of The September 12, 2019 Special Meeting And The September 19, 2019 Workshop And Regular Meeting. (J. Williams)

Documents:

MINUTES - OCTOBER AGENDA.PDF

11.NN. Receive And File The Following Documents:

1. Mayor Yarbrough's appointment of Betty Massey to the Galveston Housing Authority.
2. Galveston County Emergency Community District FY 2020 Budget

3. Tropical Storm Imelda Emergency Declarations

Documents:

GHA _ MASSEY.PDF
GCECD FY 2020 BUDGET.PDF
DECLARATION OF LOCAL STATE OF DISASTER - SEPT 19 2019.PDF
ORDER REMOVING COMPETITIVE BIDDING REQUIREMENTS 2019.PDF

11.OO. Receive And File: Texas Division Of Emergency Management (TDEM) Award Documents For The Phase I Hazard Mitigation Grant Program (HMGP), DR-4332, Hurricane Harvey. (T. Wrobleski)

Documents:

TDEM AWARD DOCUMENTS.PDF

11.PP. Receive And File: Section 2-73 Of The City Charter Requires That The Council Members Are To Be Informed Of Auction Sales That Exceed $1,000. This Staff Report Represents The Receiving And Filing Of All Auction Sales For Fiscal Year 2018-19. (D. Smith)

Documents:

AUCTION RESULTS FY2019 PACKET.PDF

11.QQ. Receive And File The Holiday Schedule For The 2020 Calendar Year. (B. Maxwell)

Documents:

2020 HOLIDAY SCHEDULE.PDF

11.RR. Consider For Approval A Memorandum Of Understanding Between The City Of Galveston And The International Economic Development Council For Participation In IEDC's Volunteer Program For Economic Recovery (G. McLeod)

Documents:

STAFF REPORT IEDC.DOCX
IEDC AND CITY OF GALVESTON MOU 2019.PDF

12. ACTION ITEMS

12.A. Consider For Approval Confirmation Of Charles Olsen As Fire Chief As Appointed By The City Manager. (K. Etienne)

12.B. Consider For Approval A Resolution Of The City Council Of The City Of Galveston, Texas, Establishing And Proclaiming The City Of Macharaviaya, Spain As Its Sister City; Directing The City Secretary To Provide A Certified Copy Of This Resolution To The Mayor; Providing For Findings Of Fact And Providing For An Effective Date. (N. De La Fuente)

Documents:

SISTER CITY-- MACHARAVIAYA SPAIN 2019.DOCX

12.C. Consider For Approval A Resolution Of The City Council Of The City Of Galveston, Texas Approving An Interlocal Agreement With The City Of Galveston And The

Galveston Beach Park Board Of Trustees Providing For Terms And Conditions For The Management And Control Of Various City Parks And Properties, The Maintenance Of Beaches And Parks, Providing For The Provision Of Funding Mechanisms Between The Entities, The Collection Of Hotel Occupancy Taxes, Insurance And Disaster Related Services, Use Of Facilities Operated By The Park Board, Purchasing Methods, Operation Of Paid Parking On The Seawall, Providing For Findings Of Fact And Providing For An Effective Date. (Legal)

Documents:

RESOLUTION - INTERLOCAL BETWEN PARK BOARD AND CITY.DOCX
ILA.PDF

12.D. Discuss And Consider Approval Of The 2020 City Council Meeting Schedule. (Yarbrough)

Documents:

2020 MEETING DATES.DOCX

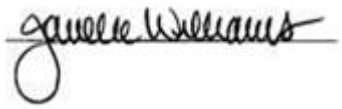
12.E. Discuss And Consider For Action Approval Of Planning Case Number 19P-030 (Adjacent To One Moody Plaza / 1902 Market/Avenue D) Request For License To Use In Order To Place A Public Plaza And Appurtenant Public Improvements Within The Right Of Way Of 20th Street Between Mechanic Street And Market Street. Adjacent Property Is Legally Described As Block 559 In The City And County Of Galveston, Texas. Adjacent Property Owner: American National Insurance Company Easement Holder: City Of Galveston. (T. Tietjens)

Documents:

19P-030 STAFF REPORT ANICO.PDF
ANICO RAISED PEDESTRIAN BRIDGE CONCEPT.PDF

13. ADJOURNMENT

I certify that the above Notice of Meeting was posted in a place convenient to the public in compliance with Chapter 551 of the Texas Government Code on October 11, 2019 at 12:30 P.M.



Janelle Williams, City Secretary

IN ACCORDANCE WITH THE PROVISIONS OF THE AMERICANS WITH DISABILITIES ACT (ADA), PERSONS IN NEED OF A SPECIAL ACCOMMODATION TO PARTICIPATE IN THIS PROCEEDING SHALL, WITHIN THREE (3) DAYS PRIOR TO ANY PROCEEDING, CONTACT THE CITY SECRETARY'S OFFICE, SUITE 201, 823 ROSENBERG, GALVESTON, TEXAS 77550 (409-797-3510).

City Council
Development Services Department
City of Galveston
October 17, 2019

19P-038 STAFF REPORT

ADDRESS:
West Isle – Approximately 100.79 Acres Adjacent to Pointe West Subdivision

LEGAL DESCRIPTION:
100.79 Acres of land out of Abstract 121 Hall & Jones Survey Tr 1-7 Acres 219.885, a subdivision in the City and County of Galveston, Texas

APPLICANT/REPRESENTATIVE:
Jones and Carter, Lindsay Reyes

PROPERTY OWNER:
CRVI HPW TRS, Inc.

ZONING:
Single-Family Residential (R-1) District

REQUEST:
Request to amend Ordinance 18-011 regarding a Planned Unit Development (PUD) Overlay District.

APPLICABLE LAND USE REGULATIONS:
Articles 4 and 6 of the Land Development Regulations

Chapter 29, Planning - Beach Access Dune Protection and Beachfront Construction

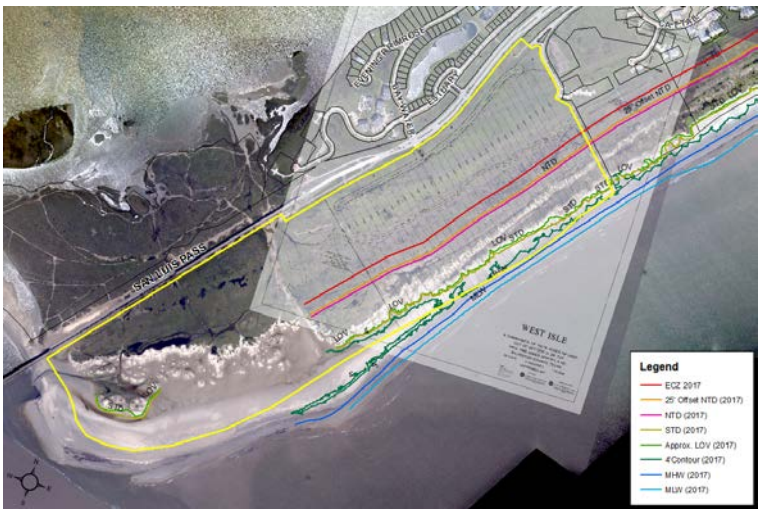
STAFF RECOMMENDATION:
Approval with conditions

EXHIBITS:
A – Aerial Map
B – PUD Plan
C – Revised Development Schedule

STAFF:
Dustin Henry, AICP
Coastal Resources Manager
409-797-3621 / dhenry@galvestontx.gov

Public Notice and Comment:

Sent	Returned	In Favor	Opposed	No Comment
12				



Executive Summary:
The City of Galveston Land Development Regulations, Section 6.303(J), limit the development of subdivisions with private streets to those within a Planned Unit Development (PUD) zoning overlay district.

The applicant is requesting to amend a previously approved Planned Unit Development (PUD), Ordinance 18-011, for development of a new subdivision with a private street.

A condition of approval for that PUD is that the Department of Development Services would initiate a case to revoke it if construction does not commence according to the applicant's development schedule.

Construction did not commence according to the development schedule. Instead, the applicant is requesting that the PUD be amended to reflect a revised development schedule.

Background:
The Planning Commission, at their regular meeting on September 17, 2019, voted unanimously in support to recommend approval of this request to amend the previously approved PUD (case 17P-068, Ordinance 18-011).

The Planned Unit Development was originally approved by City Council at their February 22, 2018 meeting.

Other development approvals associated with this proposed subdivision include:

- Preliminary plat approved by Planning Commission on February 6, 2018 (case 18P-006)
- Beachfront Construction Certificate/Dune Protection Permit for construction of subdivision infrastructure administratively approved by staff on September 6, 2018 (case 18BF-080)

Analysis:

The original application materials for the Planned Unit Development (PUD) for West Isle, a proposed thirty-two (32) lot single-family residential subdivision, called for construction of the subdivision infrastructure to begin in the first quarter of 2019. A condition of approval of this PUD is that Development Services Department staff would initiate a case to revoke it if the construction does not commence according to the schedule the applicant supplied.

Leading up to the time when construction was anticipated to begin, staff contacted the applicant to learn if the project was still on schedule. In an e-mail response to staff, the applicant noted the project met unanticipated delays associated with permitting requirements from state and federal agencies. The applicant then requested to amend the existing PUD Overlay District in order to incorporate a revised development schedule. At this time, no other changes have been proposed to the development plan.

The original development schedule anticipated completion of construction in the third quarter of 2019. The revised schedule, below, anticipates that construction will be completed in the first quarter of 2021.

Revised Preliminary Development Schedule	
May 2019	Received TxDOT Storm Approval
2020, 1st Quarter	Receive USACE Approval
2020, 2nd Quarter	Receive Plan Approvals
2020, 3rd Quarter	Begin On Site Construction
2021, 1st Quarter	Complete Construction
2021, 3rd Quarter	Begin Occupancy

Criteria for Approval:

Per Section 13.601.C of the Land Development Regulations, the Planning Commission may recommend approval and City Council may grant the approval of a rezoning request if it is demonstrated that:

1. The proposed zoning is preferable to the existing zoning in terms of its likelihood of advancing the goals, objectives, and policies of the City of Galveston 2011 Comprehensive Plan and other adopted neighborhood plans, special area plans, redevelopment plans, or other plans applicable to the area;
2. The proposed zoning is consistent with the future land use map of the City of Galveston 2011 Comprehensive Plan (a future land use map amendment may be processed concurrently with the rezoning);
3. The proposed change is consistent with the implementation of existing or pending plans for providing streets, water and wastewater, other utilities, and the delivery of public services to the area in which the parcel proposed for rezoning is located;
4. The range of uses and the character of development that is allowed by the proposed zone will be compatible with the properties in the immediate vicinity of the parcel proposed for rezoning, and the parcel proposed for rezoning has sufficient dimensions to accommodate reasonable development that complies with the requirements of these Regulations including parking and buffering requirements; and
5. The pace of development and/or the amount of vacant land currently zoned for comparable development in the vicinity suggests a need for the proposed rezoning in order to ensure an appropriate inventory of land to maintain a competitive land market that promotes economic development.

Recommendation:
Provided the only change in the development plan for the proposed West Isle development is the development schedule, staff recommends approval of case 19P-038, with the following conditions:

Specific Conditions to Case 19P-038:

1) Granting of a PUD zoning district shall not relieve the developer from complying with all other applicable sections of the Land Development Regulations (LDR), and other Codes and Ordinances of the City of Galveston, unless such relief is specified in the approved PUD plan and PUD ordinance; specifically, to allow the development of a private street;
2) The area defined as the public beach in the proposed development shall be maintained as a public beach open space with unrestricted vehicular beach access, traffic, and parking, as noted in the City of Galveston Beach Access Plan;
3) The Development Services Department shall initiate a case to revoke the Planned Unit Development (PUD) if construction does not commence according to the applicant's development schedule;
4) The applicant shall adhere to all comments and/or conditions received from City departments and/or private utility companies. Should conformance with the comments/conditions require alterations to the project, as approved, the case must be returned to the Planning Commission for additional review and approval. Failure to comply with all comments/conditions may result in penalties and/or revocation of this Planned Unit Development;
5) The applicant shall apply for and secure a Beachfront Construction Certificate/Dune Protection Permit for all construction activities prior to the commencement of any construction;

Standard Conditions of a Planned Unit Development (PUD):

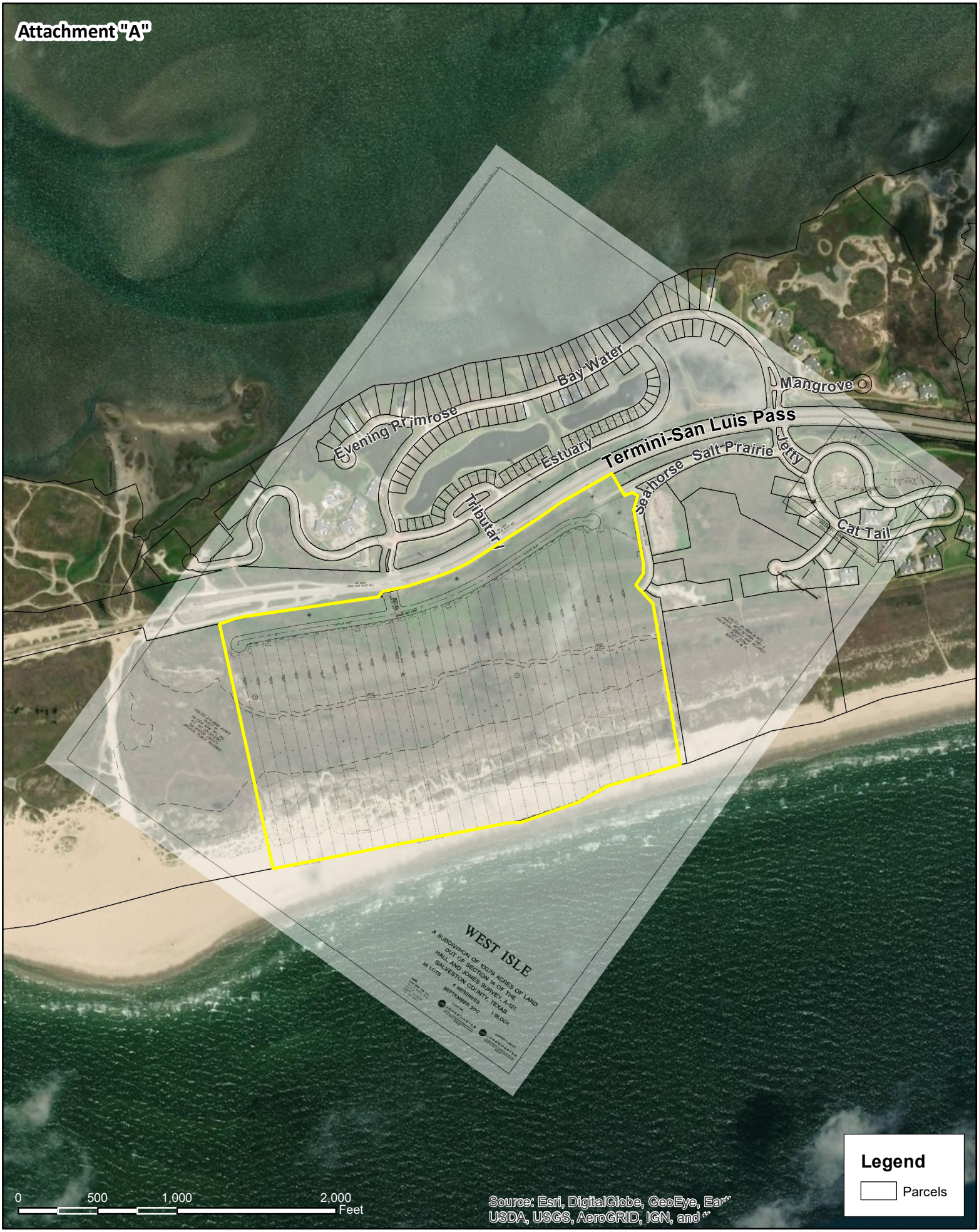
6) The applicant shall adhere to all comments/conditions received from City departments;
7) Any change or revisions to the adopted PUD Plan shall require an amendment to the PUD ordinance, which requires review by the Planning Commission and City Council. Minor additions and modifications to the approved PUD plan meeting the criteria set forth in Article 4, Section 4.102 (d)(3) of the Land Development Regulations (LDR) may be approved by the Development Services Department;
8) The proposed project must comply with all other requirements of the City of Galveston's Land Development Regulations; and
9) The applicant shall submit for approval all plans to the Development Services Department for compliance with all City codes.

The Planning Commission, at their regular meeting on September 17, 2019, voted unanimously in support to recommend approval of this request to amend the previously approved PUD, Ordinance 18-011.

Respectfully Submitted,

Dustin Henry, AICP — October 1, 2019
Coastal Resources Manager — Date

Catherine Gorman, AICP — October 2, 2019
Assistant Planning Director / HPO — Date



West Isle Subdivision (19P-038)

Map prepared by the City of Galveston Development Services Department (dhenry) - 8/30/2019

Data Sources: Topographic Data from Atkins July 2017 wading depth surveys, 2018 Aerial Imagery and Parcel Data from Galveston CAD

This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries.

The data presented on these pages is not legally binding on the City of Galveston or any of its departments. These maps and the associated data are representations ONLY and may contain errors in the databases. Therefore, the information presented on this map is for informational purposes only and should not be construed to be legally binding.

Exhibit B

WEST ISLE PLANNED UNIT DEVELOPMENT DISTRICT PLAN

A. CONTENTS

This Planned Unit Development District Plan (PUD) includes the following Sections:

- General Provisions
- Permitted Land Uses
- Development Regulations
- Building Regulations

B. GENERAL PROVISIONS

1. Purpose and Intent of PUD: The purpose of this application is to comply with the requirements of Sec. J.(1): The Planning Commission may approve private streets only within a PUD District. The intent is to develop a 32 lot (0.32 DU/AC) single family subdivision compliant with all the rules, regulations, and standards of the City of Galveston Land Development Regulations and R-1 (Single-Family Residential) zoning district. This plan will deviate from the provisions of R-1 (Single Family Residential) zoning district only to the extent of allowing gated private street access and from the city's development regulations by not providing for public access, off beach parking or continuity through the site by not extending or terminating the existing public street platted in Pointe West Section Two-A.

2. The PUD approved herein must be constructed, developed, and maintained in compliance with this ordinance and other applicable ordinances of the City. If any provision or regulation of any City ordinance applicable in a R-1(Single-Family Residential) zoning district (Base Zoning) is not contained in this ordinance, all the regulations contained in the Zoning and Subdivision ordinances applicable to the R-1 zoning district in effect on the effective date of this ordinance apply to this PUD as though written herein, except to the extent the City regulation or provision conflicts with a provision of this ordinance.

3. Except as otherwise provided herein, the words used in this PUD have the meaning established by the Zoning ordinance. In this ordinance:

   Open Space means the portion of all land contained within the PUD that is not covered by buildings, parking lots, driveways, improved pedestrian areas, or other impermeable material.

   PUD means the planned unit development district created by this ordinance.

   Private Access Way means a Private Street, a privately owned and maintained vehicular access way that provides access from a public street to residential units. Private streets shall meet all standards for an equivalent public street. Traffic control devices shall conform to the standards of the Manual on Uniform Traffic Control Devices. The Director of Engineering may require installation of such traffic control devices as are deemed appropriate.

4. The PUD shall be developed in accordance with the following exhibits that are attached to and made part of this document:

Exhibit B-1:	*Location Map*
Exhibit B-2:	*Site Plan*
Exhibit B-3:	*Lot Configuration & Building Elevation*
Exhibit B-4:	*Cross Section*
Exhibit B-5:	*Open Space, Landscape & Trail Plan*
Exhibit B-6:	*Fence, Gate and Sign Plan*
Exhibit B-7:	*Development Schedule*

5. As shown on Exhibit 1, *Location Map*, the PUD encompasses approximately 100.79 acres of beach front development on FM 3005 on the west end of Galveston Island between the San Luis Pass and Pointe West subdivision.

6. Signage: a Freestanding Monument sign meeting the City's requirements established in Section 5.110 – Sign Standards will be constructed on-premises as shown on Exhibit 6, *Fence, Gate and Sign Plan*

7. HOA agreement and dedicatory instrument outlining maintenance and 911 access: A homeowners' association shall be established and made legally responsible to maintain all common areas, private streets, recreation reserves and community amenities not otherwise dedicated to the public, including garbage collection. This subdivision contains a Private Access Way that has not been dedicated to or accepted by the City of Galveston or any other governmental agency as public right-of-way. The City of Galveston has no obligation, nor does any other local governmental agency have any obligation, to maintain or improve any streets within the subdivision, which obligation shall be the sole responsibility of the owner of the property in this subdivision. The installation of a security gate across the Private Access Way shall have an approved means of emergency operation. The security gates and the emergency operation shall be maintained by the HOA and shall remain operational at all times, or secured in the open position.

C PERMITTED LAND USES

1. Permitted land uses are listed below. All other land uses are prohibited in the PD.

Uses permitted by right for R-1 (Single Family Residential), as stated in the City of Galveston Land Development Regulations, Table 2.2.
Accessory Dwelling Unit
Cottage Food Production
Home Based Occupation
Music Instruction

Short Term Rental Residential Dwelling

Single Family Detached

Residential Sales Office (Temporary)

Parks and Recreational Facilities, Public or Private

Personal Care Home (DADS)

D DEVELOPMENT REGULATIONS

1. All Residential development shall conform to the (R-1) Single Family Residential zoning district with the following exceptions:
   (a) Maximum height of structures: Unlimited.
   (b) Limits of Construction: No structure may be constructed on any lot within any building setback line or nearer than 25 feet from any designated wetland as shown on Exhibit 2, *Site Plan*

2. Vehicular Access: All lots shall take driveway access from a Private Access Way as described in Section B.3.

3. Paving:

   (a) All parking lots and vehicle use areas must be constructed of concrete.
   (b) Driveways may be constructed of concrete, or paved with interlocking, multicolored pavers.

E OPEN SPACE, LANDSCAPE AND TRAIL PLAN

1. Highway buffer:

   (a) A 100-foot wide buffer shall be provided along the northern property boundaries, between the proposed private street and adjacent to FM 3005. The buffer will remain in a more natural condition that will facilitate drainage, and wetland areas adjacent to the highway. The buffer area shall be improved with additional landscape and tree planting. As shown on Exhibit 4, *Cross Section*
   (b) Highway buffer shall include a minimum one tree per each lot, 32 trees, and shall be planted within the landscape buffer. The trees may be clustered or spaced linearly; they need not be placed evenly.
   (c) The existing cart trail, that is part of Pointe West Section Two-A, crossing under FM 3005, shall remain and the property owners will enter into an access agreement.

2. Private Outdoor Recreation:

    (a) Approximately one acre of common open space shall be provided and improved for private recreational use.

3. Beach Access:

    (a) Proposed Private Beach Access: A private beach access trail/ boardwalk shall be provide near the subdivision entry located through the center of the tract as shown on Exhibit 5, *Open Space, Landscape & Trail Plan* In addition, individual property owners may be permitted to construct their own private boardwalk over the dune areas to provide their own private beach access.

Exhibit B-1:

Location Map

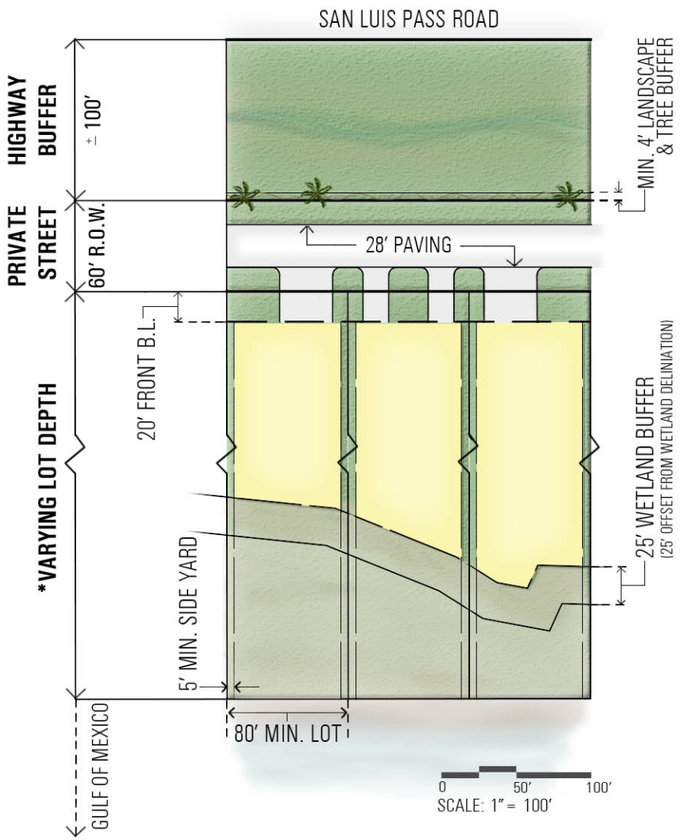
Exhibit B-2:

Site Plan
±100.79 Acres

LEGEND

- SF-32 LOTS (80' WIDE) - 0.32 DU./AC.
- PROPOSED PRIVATE BEACH ACCESS
- EXISTING PUBLIC BEACH ACCESS
- PROPOSED PRIVATE OUTDOOR RECREATION
- LIMITS OF CONSTRUCTION

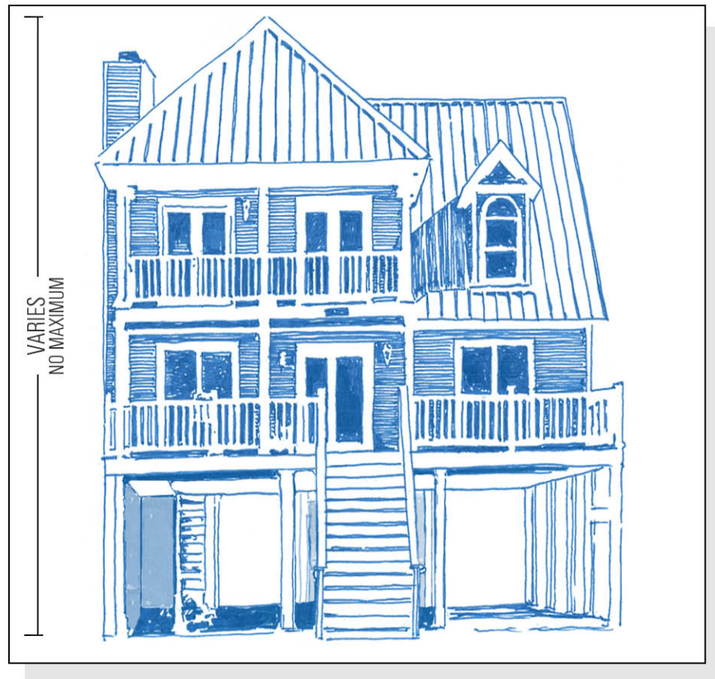
SINGLE- FAMILY RESIDENTIAL (R-1)



* THE TYPICAL LOT DEPTH IS OVER 1,400' TO THE REAR PROPERTY LINE.
THE BUILDABLE PORTION OF THE LOT VARIES BETWEEN 250' TO OVER 700' DEEP.

TYPICAL HOME ELEVATION

OPEN/PILE FOUNDATION CONSTRUCTION



MINIMUM LOT STANDARDS

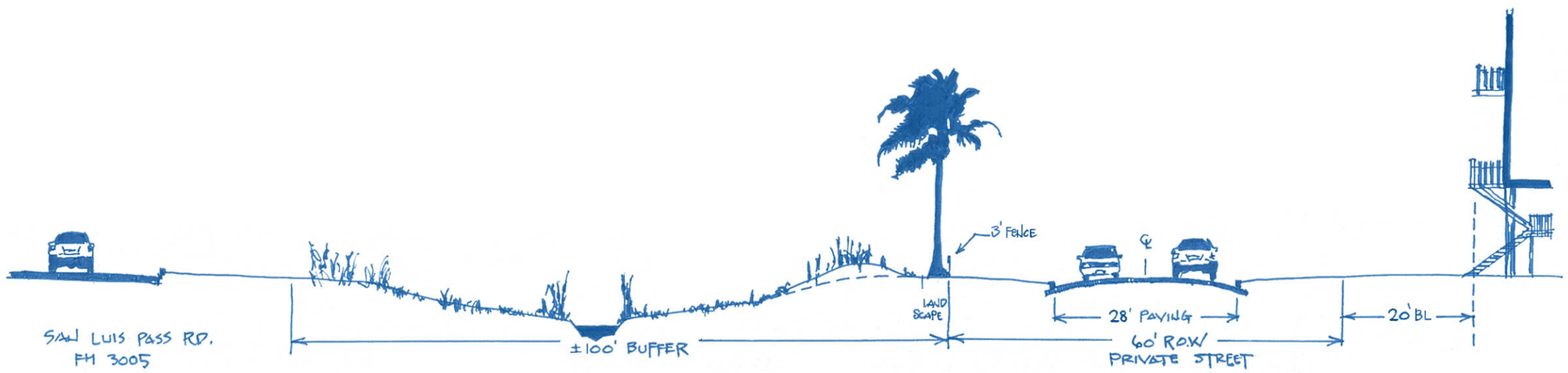
AREA: MINIMUM 1 ACRE
WIDTH: 80' MINIMUM (EXCEPT 20' MIN. FRONTAGE ON FLAG LOT AND CUL-DE-SAC FRONTAGE)
DEPTH: N/A
DENSITY: MAXIMUM 1 LOT/AC.

BUILDING HEIGHT

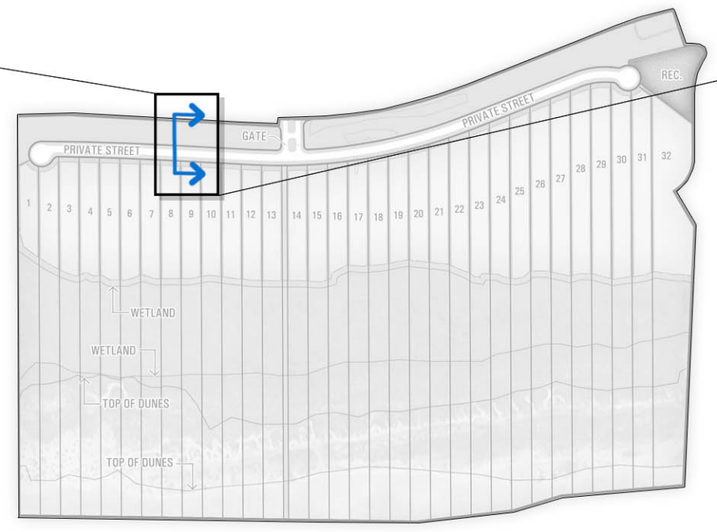
MAXIMUM: UNLIMITED

SETBACKS

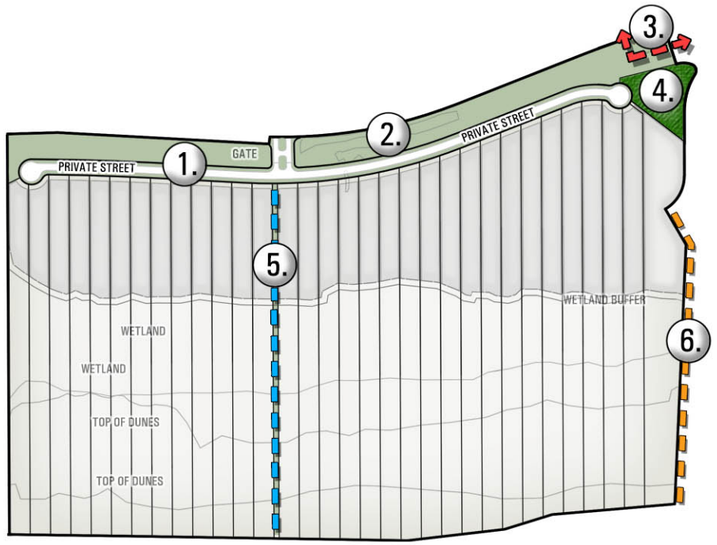
FRONT: 20'
SIDE: 5'



1. CROSS SECTION



OPEN SPACE, LANDSCAPE & TRAIL PLAN



LEGEND

- HIGHWAY BUFFER
- EXISTING CART TRAIL
- EXISTING PUBLIC BEACH ACCESS
- PROPOSED PRIVATE BEACH ACCESS
- PROPOSED PRIVATE OUTDOOR RECREATION

1. LANDSCAPE STANDARDS

FROM AMONG TREE SPECIES ON A CITY OF GALVESTON APPROVED PLANT LIST,

1 TREE/LOT = 32 TREES
SHALL BE LOCATED WITHIN THE 4' LANDSCAPE BUFFER

2. HIGHWAY BUFFER

3. EXISTING CART TRAIL

4. PROPOSED PRIVATE OUTDOOR RECREATION

5. PROPOSED PRIVATE BEACH ACCESS

6. EXISTING PUBLIC BEACH ACCESS

FENCE, GATE AND SIGNAGE PLAN

ILLUSTRATION OF TYPICAL MONUMENT SIGN

SUBJECT TO ARCHITECT DESIGN

ILLUSTRATION OF TYPICAL ENTRY GATE

ILLUSTRATION OF TYPICAL PROPERTY FENCE

SUBJECT TO LANDSCAPE ARCHITECT DESIGN

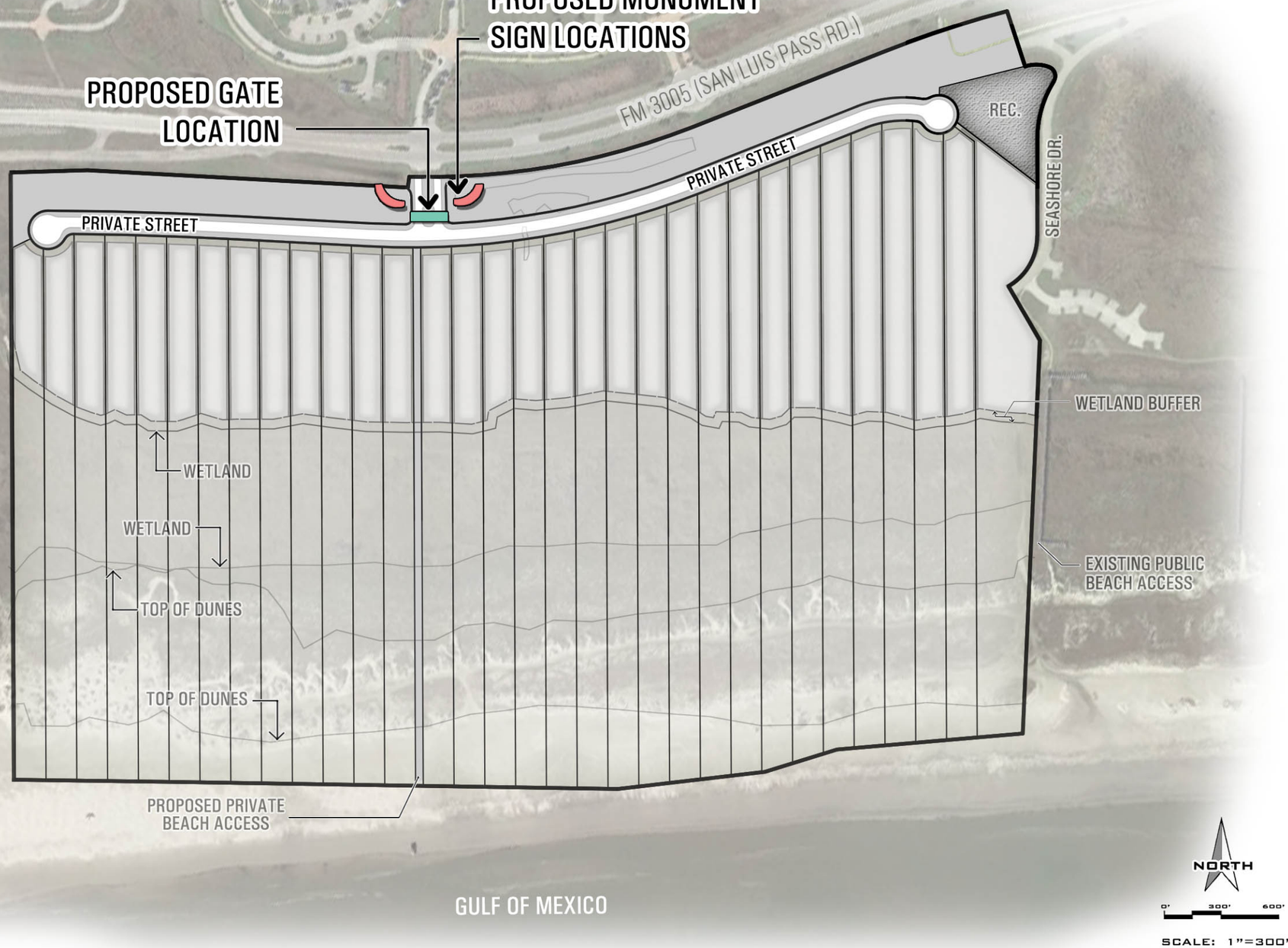


EXHIBIT B-7

WEST ISLE PLANNED DEVELOPMENT

PRELIMINARY DEVELOPMENT SCHEDULE

A. May 2019: Received TxDOT Storm Approval

B. 1st Quarter 2020: Receive USACE Approval

C. 2nd Quarter 2020: Receive plan approvals

D. 3rd Quarter 2020: Begin on site construction

E. 1st Quarter 2021: Construction Complete

F. 3rd Quarter 2021: Begin Occupancy

ORDINANCE NO. 19-____

AN ORDINANCE OF THE CITY OF GALVESTON, TEXAS, AMENDING ORDINANCE NO. 18-011 ALLOWING FOR A NEW DEVELOPMENT SCHEDULE OF A PLANNED UNIT DEVELOPMENT (PUD) OVERLAY ZONING DISTRICT IN A SINGLE-FAMILY RESIDENTIAL (R-1) BASE ZONING DISTRICT ON PROPERTY COMMONLY KNOWN AS **WEST ISLE - APPROXIMATELY 100.79 ACRES ADJACENT TO POINTE WEST SUBDIVISION,** AND WHICH IS LEGALLY DESCRIBED AS 100.79 ACRES OF LAND OUT OF ABSTRACT 121 HALL & JONES SURVEY TR 1-7 ACRES 219.885, A SUBDIVISION, IN THE CITY AND COUNTY OF GALVESTON, TEXAS; PLANNING CASE NUMBER **19P-038**; MAKING VARIOUS FINDINGS AND PROVISIONS RELATED TO THE SUBJECT; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, Article 4 of the 2015 Galveston Land Development Regulations (LDR) allows for the creation of a Planned Unit Development (PUD) Overlay Zoning District; and,

WHEREAS, Jones and Carter, Lindsay Reyes ("Applicants"), and property owner, CRVI HPW TRS, Inc., are requesting to amend an existing PUD Overlay Zoning District for a single-family dwelling detached subdivision with a private street; and,

WHEREAS, Ordinance No. 18-011 granted a PUD on property commonly known as **West Isle - approximately 100.79 acres adjacent to Pointe West Subdivision** and which is legally described as the 100.79 acres of Land Out of Abstract 121 Hall & Jones Survey Tr 1-7 Acres 219.885, a Subdivision, in the City and County of Galveston, Texas; and,

WHEREAS, as further detailed in the Staff Report, attached and incorporated herein as **Attachment 1** (including Exhibits), the subject site is on a 219.89 acre tract, which is located West of the Pointe West subdivision and Beach Access Point #40, South of FM 3005, North of the Gulf of Mexico, and East of Beach Access Point #41 and the San Luis Pass. The applicant intends to develop a thirty-two (32) lot single-family residential subdivision with a private street. A PUD overlay is a prerequisite for a development with a private street; and,

WHEREAS, the Applicant wishes to amend the development schedule. Per the applicant the project met unanticipated delays associated with permitting requirements from state and federal agencies. The applicant requests to amend the existing PUD Overlay District in order to incorporate a revised development schedule. The Applicant has not proposed any other change to the development plan; and,

WHEREAS, the proposed subdivision is located landward of public beaches and seaward of the first public road generally parallel to the public beach (FM 3005); therefore all construction activities must be reviewed by the Texas General Land Office (GLO); and,

WHEREAS, Staff recommends approval of the request, provided the only change in the development plan for the proposed West Isle development is the development schedule ; and,

WHEREAS, at its meeting of September 17, 2019, the Planning Commission voted to recommend approval of the request; and,

WHEREAS, Staff recommends approval of the request to amend the development schedule with conditions as provided in **SECTION 3 below;** and,

WHEREAS, after notice and conduct of a public hearing, the City Council of the City of Galveston, Texas, deems it in the public interest to grant Applicant's request to amend the development schedule for a Planned Unit Development (PUD) Overlay Zoning District granted by Ordinance No. 18-011 for a PUD in a Single-Family Residential (R-1) base zoning district on property commonly known as **West Isle - approximately 100.79 acres adjacent to Pointe West Subdivision,** in the City and County of Galveston, Texas, subject to the conditions set forth in **Section 3** below.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF GALVESTON, TEXAS:

SECTION 1. The findings and recitations set out in the preamble to this Ordinance are found to be true and correct, and they are adopted by the City Council and made a part hereof for all purposes.

SECTION 2. Subject to certain conditions set forth in **Section 3** below, the development schedule is amended for the Planned Unit Development (PUD) Overlay Zoning District granted by Ordinance No. 18-011 for a PUD in a Single-Family Residential (R-1) base zoning district in order to develop a thirty-two (32) lot single-family residential subdivision with a private street on property commonly known as **West Isle - approximately 100.79 acres adjacent to Pointe West Subdivision** and which is legally described as the 100.79 acres of Land Out of Abstract 121 Hall & Jones Survey Tr 1-7 Acres 219.885, a Subdivision, in the City and County of Galveston, Texas.

SECTION 3. The Planned Unit Development (PUD) Overlay Zoning District is subject to the following conditions:

Specific Conditions to 19P-038:

1. Granting of a PUD zoning district shall not relieve the developer from complying with all other applicable sections of the Land Development Regulations (LDR), and other Codes and Ordinances of the City of Galveston, unless such relief is specified in the approved PUD plan and PUD ordinance; specifically, to allow the development of a private street;

2. The area defined as the public beach in the proposed development shall be maintained as a public beach open space with unrestricted vehicular beach access, traffic, and parking, as noted in the City of Galveston Beach Access Plan;

3. The Development Services Department shall initiate a case to revoke the Planned Unit Development (PUD) if construction does not commence according to the applicant's development schedule;

4. The applicant shall adhere to all comments and/or conditions received from City departments and/or private utility companies. Should conformance with the comments/conditions require alterations to the project, as approved, the case must be returned to the Planning Commission for additional review and approval. Failure to comply with all comments/conditions may result in penalties and/or revocation of this Planned Unit Development;

5. The applicant shall apply for and secure a Beachfront Construction Certificate/Dune Protection Permit for all construction activities prior to the commencement of any construction;

Standard Conditions of a Planned Unit Development (PUD): 19P-038

6. The applicant shall adhere to all comments/conditions received from City departments;

7. Any change or revisions to the adopted PUD Plan shall require an amendment to the PUD ordinance, which requires review by the Planning Commission and City Council. Minor additions and modifications to the approved PUD plan meeting the criteria set forth in Article 4, Section 4.102 (d)(3) of the Land Development Regulations (LDR) may be approved by the Development Services Department;

8. The proposed project must comply with all other requirements of the City of Galveston's Land Development Regulations; and,

9. The applicant shall submit for approval all plans to the Development Services Department for compliance with all City codes.

SECTION 4. The zoning classification for this property shall be changed to Commercial Zoning (C), PUD overlay and shall be designated as C-PUD on the zoning maps of the City of Galveston, subject to the conditions set forth in **Section 3** above.

SECTION 5. It is hereby declared to be the intention of the City Council that the sections, paragraphs, sentences, clauses, and phrases of this Ordinance are severable. If any phrase, clause, sentence, paragraph or section of this Ordinance should be declared invalid by a final judgment or decree of any court of competent jurisdiction, such invalidity shall not affect any of the remaining phrases, clauses, sentences, paragraphs, and sections of this Ordinance.

SECTION 6. All Ordinances or parts thereof in conflict herewith are repealed to the extent of such conflict only.

SECTION 7. In accordance with the provisions of Sections 12 and 13 of Article II of the City Charter this Ordinance has been publicly available in the office of the City Secretary for not less than 72 hours prior to its adoption; that this Ordinance may be read and published by descriptive caption only.

SECTION 8. This Ordinance shall be and become effective from and after its adoption and publication in accordance with the provisions of the Charter of the City of Galveston.

APPROVED AS TO FORM:

_____
DONNA M. FAIRWEATHER
ASSISTANT CITY ATTORNEY

I, Janelle Williams, Secretary of the City Council of the City of Galveston, do hereby certify that the foregoing is a true and correct copy of an Ordinance adopted by the City Council of the City of Galveston at its Regular Meeting held on October 17, 2019, as the same appears in records of this office.

IN TESTIMONY WHEREOF, I subscribe my name hereto officially under the corporate seal of the City of Galveston this _____ day of _____, 2019.

_____
Secretary for the City Council
of the City of Galveston

ORDINANCE NO. 19-__

AN ORDINANCE OF THE CITY OF GALVESTON, TEXAS, DESIGNATING THE PROPERTY LOCATED AT **1107 CHURCH / AVENUE F,** AS A "GALVESTON LANDMARK", PROPERTY IS LEGALLY DESCRIBED AS M. B. MENARD SURVEY, LOT 5, BLOCK 371, IN THE CITY AND COUNTY OF GALVESTON, TEXAS; REQUESTING THE HISTORIC PRESERVATION OFFICER RECORD THE PROPERTY'S LANDMARK DESIGNATION IN THE OFFICIAL PUBLIC RECORDS OF REAL PROPERTY IN GALVESTON COUNTY, THE TAX RECORDS OF THE CITY OF GALVESTON AND THE CENTRAL APPRAISAL DISTRICT, AND THE OFFICIAL ZONING MAPS OF THE CITY OF GALVESTON, TEXAS; PLANNING CASE NUMBER **19P-046**; MAKING VARIOUS FINDINGS AND PROVISIONS RELATED TO THE SUBJECT.

WHEREAS, on March 11, 1999, the Galveston City Council adopted Ordinance Number 99-14 creating the Landmark Designation Process requiring that a property requesting such designation must meet certain criteria and that the designation is considered a "change of zoning" for the property and is therefore treated as such; and,

WHEREAS, the Applicant and Property Owner, Randall P. Jones, request that the structure located at **1107 Church / Avenue F,** and legally described as M. B. Menard Survey, Lot 5, Block 371, in the City and County of Galveston, Texas, be officially designated as a Galveston Landmark; and,

WHEREAS, the subject structure, the Thomas J, Cordray House, (Cordray House) was constructed around 1871. Thomas J. Cordray was a carpenter and the one – and a half story, gable roofed, wood framed house is of a simplified Folk Victorian design; and,

WHEREAS, the Cordray House is within the designated East End Historic District and has been an established visual feature of the community since its construction in 1871. The Cordray House retains its historic integrity, and retains its original location, design, setting, materials, workmanship, feeling and association; and,

WHEREAS, the property meets the criteria for Landmark Designation as set out in the Staff Report, attached as **Exhibit 1** and incorporated herein for all intents and purposes, and is a contributing element of the historic neighborhood; and,

WHEREAS, the property was reviewed and met the criteria for Landmark Designation as set forth in Article 10 of the City's Land Development Regulations; and,

WHEREAS, the property is not eligible to participate in the City of Galveston's Local Tax Exemption for New Historic Districts and Galveston Landmarks Program. It is eligible to participate in the Financial Incentive for Substantial Rehabilitation Program; and,

WHEREAS, at its regular meeting of August 19, 2019, the Landmark Commission voted to recommend approval of the request; and,

WHEREAS, at its regular meeting of August 20, 2019, the Planning Commission voted to recommend approval of the request; and

WHEREAS, Staff recommends that Planning Case Number 19P-046 request for Landmark Designation of the property located at **1107 Church / Avenue F,** be approved with the condition provided in Section 2 below; and,

WHEREAS, after notice and public hearing as required by law, the City Council finds that it is in the public's interest to approve the application and designate the structure located at **1107 Church / Avenue F,** and legally described as M. B. Menard Survey, Lot 5, Block 371, in the City and County of Galveston, Texas, as a "Galveston Landmark".

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF GALVESTON, TEXAS:

SECTION 1. The findings and recitations set out in the preamble to this Ordinance are found true and correct and they are hereby adopted by the City Council and made a part hereof for all purposes.

SECTION 2. After public hearing, the City Council approves the request for Landmark Designation of the property located at **1107 Church / Avenue F** and legally described as M. B. Menard Survey, Lot 5, Block 371, in the City and County of Galveston, Texas, subject to the following condition:

Standard Condition:

1. As with all properties containing a Historic Overlay Designation, including Landmark Designations, exterior alterations to the property will be subject to review and approval by the Landmark Commission and must conform to the Design Standards for Historic Properties of Galveston, Texas.

SECTION 3. The City of Galveston Historic Preservation Officer will maintain all records and will record the property's Landmark Designation in the Official Public Records of Real Property of Galveston County, in the tax records of the City of Galveston and the Central Appraisal District, and in the Official Zoning Maps of the City of Galveston, Texas.

SECTION 4. It is hereby declared to be the intention of the City Council that the sections, paragraphs, sentences, clauses, and phrases of this Ordinance are severable and, if any phrase, clause, sentence, paragraph or section of this Ordinance should be declared invalid by the final judgment or decree of any court of competent jurisdiction, such invalidity shall not affect any of the remaining phrases, clauses, sentences, paragraphs, and sections of this Ordinance.

SECTION 5. All Ordinances or parts thereof in conflict herewith are repealed to the extent of such conflict only.

SECTION 6. In accordance with the provisions of Sections 12 and 13 of Article II of The City Charter this Ordinance has been publicly available in the office of the City Secretary for not less than 72 hours prior to its adoption; that this Ordinance may be read and published by descriptive caption only.

SECTION 7. This Ordinance shall become effective upon its adoption and publication in accordance with the provisions of The Charter of the City of Galveston.

APPROVED AS TO FORM:

_____
DONNA M. FAIRWEATHER
ASSISTANT CITY ATTORNEY

I, Janelle Williams, Secretary of the City Council of the City of Galveston, do hereby certify that the foregoing is a true and correct copy of an Ordinance adopted by the City Council of the City of Galveston at its Regular Meeting held on September 19, 2019, as the same appears in records of this office.

IN TESTIMONY WHEREOF, I subscribe my name hereto officially under the corporate seal of the City of Galveston this _____, 2019.

_____
Secretary for the City Council
of the City of Galveston

City Council
Planning and Development Division
City of Galveston
September 19, 2019

19P-046 STAFF REPORT

ADDRESS:
1107 Church / Avenue F

LEGAL DESCRIPTION:
Property is legally described as M.B. Menard Survey, Lot 5, Block 371, in the City and County of Galveston, Texas

APPLICANT/REPRESENTATIVE:
Randall P. Jones

PROPERTY OWNERS:
Same

ZONING DISTRICT:
Residential Single Family, Historic (R-3-H)

HISTORIC DISTRICT:
East End

REQUEST:
Request for designation as a Galveston Landmark

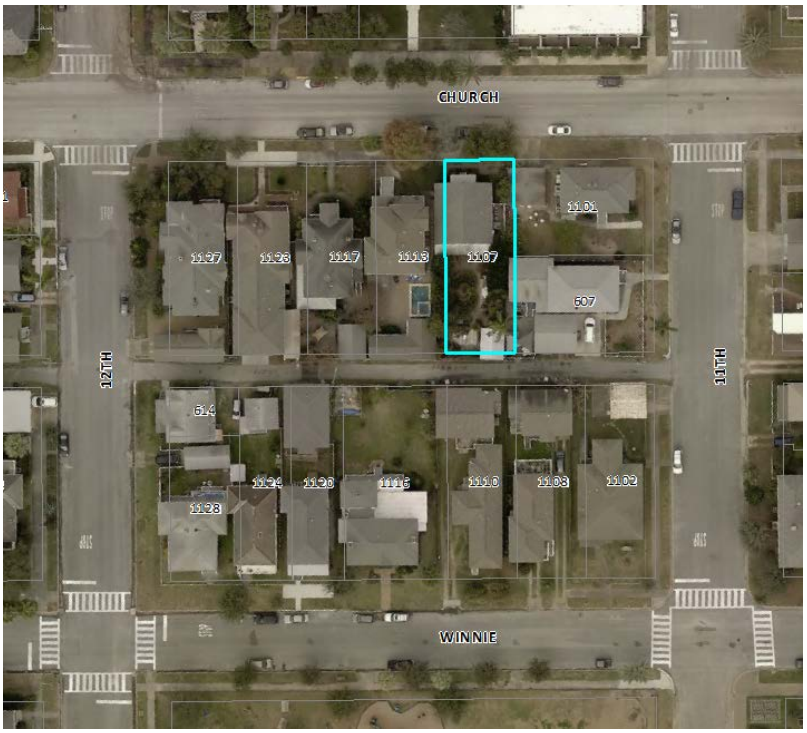
STAFF RECOMMENDATION:
Approval with Conditions

ATTACHMENTS:
A – Applicant's Submittal

STAFF:
Catherine Gorman, AICP
Assistant Director/HPO
409-797-3665
cgorman@galvestontx.gov

Public Notice and Comment:

Sent	Returned	In Favor	Opposed	No Comment
30	3	3	0	0



Zoning and Land Use

Location	Zoning	Land Use
Subject Site	Residential, Single Family- Historic (R-3-H), East End Historic District	Residential
North	Residential, Single Family- Historic (R-3-H), East End Historic District	Residential
South	Residential, Single Family- Historic (R-3-H), East End Historic District	Residential
East	Residential, Single Family- Historic (R-3-H), East End Historic District	Residential
West	Residential, Single Family- Historic (R-3-H), East End Historic District	Residential

Executive Summary

The applicants are requesting designation of the above referenced address, as a Galveston Landmark.

Analysis

As per Article 10 of the Land Development Regulations, the following criteria should be considered during the Landmark Designation review process:

1. **The character, interest, or value as part of the development, heritage, or cultural characteristics of the City of Galveston, Galveston County, the State of Texas, or the United States.**

   Carpenter Thomas J. Cordray constructed the one-and-a-half-story, gable-roofed, wood-framed house at 1107 Church around 1871. The simplified Folk Victorian design reflects Cordray's skills as a vernacular builder active in Galveston in the decade after the Civil War. His family resided in the house only briefly before selling it, signifying an effort to capitalize on the city's booming growth and expanding population during the period. Between 1883 and 1926, various owners utilized the house as a rental property. One of these owners added a porch to the central entrance during the 1890s. Ownership during the late-twentieth-century was much more stable and, consequently, the house retains a high degree of architectural integrity.

2. **Recognition as a Recorded Texas Historic Landmark, National Historic Landmark, or entered into the National Register of Historic Places.**
   The Cordray House is a contributing resource to the East End National Historic Landmark District.

3. **Distinctive characteristics of a period or method of construction, or architecture; representative of, or a rare survivor of, the work of a master designer, builder or craftsmen.**
   The Cordray House is a one-and-a-half-story, wood-framed house with a gabled roof and a pier-and-beam foundation raised about three feet above grade. The house is clad with wood siding painted white. The design of the house demonstrates simplified elements of Folk Victorian architecture common during the early 1870s. The footprint of the house is roughly square and the elevations are mostly symmetrical. A central entrance on the three-bay north elevation accesses a central hallway on the interior.

The front porch, dating to the 1890s, is more highly detailed. An L-shaped rear extension is either original or a pre-1889 addition.

4. **Representative of an established and familiar visual feature of a neighborhood, community, or city.**
   The Cordray House has been an established and familiar visual feature of the East End neighborhood since its construction in 1871, making it 148 years old in 2019.

5. **Retention of historic integrity, meaning that the property possesses several, and usually most, of the aspects of integrity:**

   The Cordray House retains all aspects of integrity including: location, design, setting, materials, workmanship, feeling, and association.

6. **Likelihood of the continuation of a building's historical use, or its potential adaptation for new uses without the need for major intervention that could seriously damage its historic character or integrity.**

   The Cordray House has continually served as single-family residence since its construction, continually maintained by its respective owners. A city landmark designation will further honor and protect the house as a part of the city's history.

Financial Incentives for Historic Properties

The subject property is within a designated historic district, and is not eligible to participate in the Local Tax Exemption for New Historic Districts and Galveston Landmarks Program. It is eligible to participate in the Financial Incentive for Substantial Rehabilitation Program. The benefit is a freeze in city property taxes for a period of ten years upon completion of substantial renovations.

Other Reviews

The Landmark Commission reviewed this request at the August 19, 2019 meeting and recommended approval. The Planning Commission reviewed this request at the August 20, 2019 meeting and also recommended approval. Both votes were unanimous.

Staff Recommendation

Staff recommends approval with the following condition:

Standard Condition:

1. As with all properties containing a Historic Overlay Designation, including Landmark Designations, exterior alterations to the property will be subject to review and approval by the Landmark Commission and must conform to the Design Standards for Historic Properties of Galveston, Texas.

Respectfully Submitted,

Catherine Gorman, AICP
Assistant Planning Director, HPO

August 26, 2019
Date

The Thomas Cordray House

1107 Church

I. Historical and Cultural Significance

Summary

Carpenter Thomas J. Cordray constructed the one-and-a-half-story, gable-roofed, wood-framed house at 1107 Church around 1871. The simplified Folk Victorian design reflects Cordray's skills as a vernacular builder active in Galveston in the decade after the Civil War. His family resided in the house only briefly before selling it, signifying an effort to capitalize on the city's booming growth and expanding population during the period. Between 1883 and 1926, various owners utilized the house as a rental property. One of these owners added a porch to the central entrance during the 1890s. Ownership during the late-twentieth-century was much more stable and, consequently, the house retains a high degree of architectural integrity.

Historical narrative statement

According to an 1880 US Census, Thomas Julius Cordray was born February 1835 in South Carolina.[1] An 1830 city directory of Charleston lists Thomas Cordray, Sr. as a carpenter.[2] If the birthdate of Thomas Julius Cordray given in the 1880 census is correct, then the Thomas Cordray listed in the 1830 directory is likely his grandfather, indicating a lengthy family tradition in the carpentry trade. His father, Thomas Cordray, Jr., was born in Charleston in 1803 and brought his family to Galveston in January 1849.[3]

In 1867, the T.J. Cordray married Katherine Fox, born September 21, 1845, in Galveston to Ireland native Christopher Fox. The mother of Katherine and her two brothers, George and Christopher, is unidentified. She likely died prior to 1853 when Christopher Fox married Sophia Stevens. That couple added a second daughter, Jennie, to the family.[4] After their marriage, Thomas and Katherine Cordray had at least eight children: Emily, Eugene, Thomas, George, Edmund, Christopher, Paul, and Michael.[5]

In 1856, Cordray purchased lots 5, 6, and 7 of block 371, which had previously been held by a series of land speculators. He built three houses on the lots. First, in 1870, he built the house now standing on the corner. The following year he added the subject house at 1107 Church. And lastly, in 1874, he added the Greek Revival house at 607 11th Street. The family lived in each of the houses, at least briefly. An 1872 city directory lists the family as residing on Church between 11th and 12th streets.[6] The listing is most likely a reference to the house now designated as 1107 Church. [7]

Cordray sold 1107 Church to William and Annie Wood in1873 for $3600, suggesting investment motivations may have been behind its construction.[8] The family eventually relocated to a house at the corner of 12th and Mechanic where they lived as of 1896 when Katherine died. Research has not uncovered any details about the Woods. Their stay in the house was brief as they sold the property to Dennis and Frances (Shannon) Fitzwilliam in 1876. Dennis Fitzwilliam, born about 1845 in Ireland, worked as a bookkeeper and clerk for P. Fitzwilliam and Brother, cotton factors with offices on the Strand. The couple had three children: Amelia, John, and Agnes.[9] The family relocated in 1883, selling the house to the Citizens Loan Company.[10] For the remainder of the nineteenth century, the house was used as a rental property under various owners.

The earliest known depictions of the house are found in the 1871 and 1885 bird's eye views of the city (Figure 1 and Figure 2). The images demonstrate the house's large gable roof and symmetrical front elevation in their present configurations. The existing porch, however, is not present. The house's footprint drawn in the 1889 Sanborn fire insurance map also lacks a front porch (Figure 3). This image gives insights to the earliest configuration of the rear of the house and configuration of secondary buildings. Two one-story segments—representing either original components or early additions—extend southward from the rear of the house. Two small, one-story, wood-framed outbuildings are located in the southeast corner of the lot.

Prior to the rendering of the 1899 Sanborn map (Figure 4), one of the multiple property owners of the 1890s added a one-story entrance porch. The dimensions of the porch appear to be consistent with the 1912 and 1947 maps (Figure 5 and Figure 6) as well as the existing porch. Therefore, it is likely that the

existing porch dates to the 1890s. The smaller of the two outbuildings does not appear on the 1899 map and the larger was gone by 1912 when the map did not include any outbuildings.

In the first quarter of the twentieth century, a sequence of famous Galveston businessmen acquired the house and used it as a rental property. First, in 1902 county treasurer James S. Waters purchased the house. Waters and his family built and owned the large house across the street at 1116 Church. After the 1900 Hurricane, he played an active role in planning the city's revival.[11] The acquisition of the Cordray House demonstrates an expansion of his financial interests during this period. He used the house as a rental property for two years before selling it to Moritz O. Kopperl, who was the president of Merchants National Bank and was identified in an 1896 study by Rabbi Henry Cohen as one of Texas' most famous Jews.[12] Kopperl retained the house for 12 years before selling it to a group led by Maco Stewart, the founder of the Stewart Title Company. That group held the property until 1926.[13]

City directories identify several middle-class tenants from the first quarter of the century. Traveling salesman Frederick W. Zwiefel and his family lived in the house for much of the first decade. Directories in 1913 and 1914 identify R. Herman Koehler, a dentist with an office in the City National Bank building. For a decade afterward, the tenant was Mary E. Rogers, the widow of John Rogers. For a time, son Newton Rogers, a ship carpenter, resided with Mary in the house.[14]

Gentry and Anna Scales purchased the house in 1926 and resided there until 1950. Perhaps coinciding with their purchase of the property, a pair of apartment buildings were constructed at the rear of the property prior to 1931. The apartments appear in the 1947 Sanborn map (Figure 6). The western building was demolished at some point after 1947 but the eastern building remains in place abutting the alley (Figure 9). Gentry Scales worked as a marine engineer and later as a crane operator.[15]

In 1950, Scales sold the house to Galveston natives John and Lillian Nolan. John worked as an administrative assistant at UTMB and Lillian worked from home as a seamstress. She was noted for creating Mardi gras costumes. John died in 1968 and Lillian remained in the house until her own death in 1987.[16] Joe L. Garcia purchased the house from the Nolan estate and completed a rehabilitation which included the enclosure of the rear porch. Galveston Historical Foundation featured the house as part of its

1995 Historic Homes Tour celebration. Susan S. Hargrove purchased the house in 1995 and lived there until 2001 when she sold it to the current owner, Randall P. Jones. Mr. Jones completed another rehabilitation of the house, redesigned the landscaping of the property, and renovated the secondary building as a guest house. In 2003, GHF featured the house again during its homes tour event.[17]

II. **Architectural Description**

The Cordray House is a one-and-a-half-story, wood-framed house with a gabled roof and a pier-and-beam foundation raised about three feet above grade. The house is clad with wood siding painted white. The design of the house demonstrates simplified elements of Folk Victorian architecture common during the early 1870s. The footprint of the house is roughly square and the elevations are mostly symmetrical. A central entrance on the three-bay north elevation accesses a central hallway on the interior. The front porch, dating to the 1890s, is more highly detailed. An L-shaped rear extension is either original or a pre-1889 addition.

The house now sits on a 5140-square-foot lot at the western edge of a large plot of land purchased by Thomas J. Cordray in 1856. The building is set back about 25 feet from Church Street. A concrete-slab sidewalk lines the property on the north side. At the center of the house, the walkway extends southwards to the main entrance and northwards to Church Street, but there are no curb cuts in the rounded brick curb. A rounded concrete base identifies the northern boundary of the lot. Grass and four trees line the curb strip. The rear of the lot has a formal landscape plan. A gable-roofed garage stands in the southeast corner of the lot and is accessible via the alley between Church and Winnie streets.

The three-bay front elevation (Figure 7) addresses Church Street to the north. The centrally located entrance has one, half-glazed door that may be original. A rectangular transom accents the door. Each of the peripheral bays has a single four-over-four, wooden-sash window with operable wooden shutters. The upper half-story has two shuttered, sash windows. A one-story front porch extends across the central bay and terminates at the medial corners of the two first-story windows. Four narrow wooden columns support the porch's flat roof. The carved capitals of the columns are the house's most ornate

features. The distinguished appearance of the porch owes to its later construction date. While Cordray's original design utilized simplified "folk" elements of the early Victorian era, the porch dates to an era when decorative flourishes were more common in smaller houses.

Due to the density of plantings around the house and the house's minimal setbacks on lateral lot lines, the east and west elevations are obscured from public view. The south elevation (Figure 8) is shaded by trees in the rear yard but mostly visible. The attic level has two sash windows matching the materials and configuration of their counterparts on the north elevation. On the lower level, a one-story, shed-roofed porch is partially enclosed with siding on the east end and otherwise screened. The clad portion has one four-over-four wood sash window.

The house stands near the southwest corner of the intersection of Church and 11th Street. The other Corday houses, built between 1870 and 1874 by Thomas J. Cordray, remain standing to the east. The expansive 1893 James S. Waters House is located across Church Street, next to an apartment complex at the northwest corner of the intersection. The house lies inside the boundaries of the East End Historic District and it contributes to the district's historic significance.

III. **Figures**

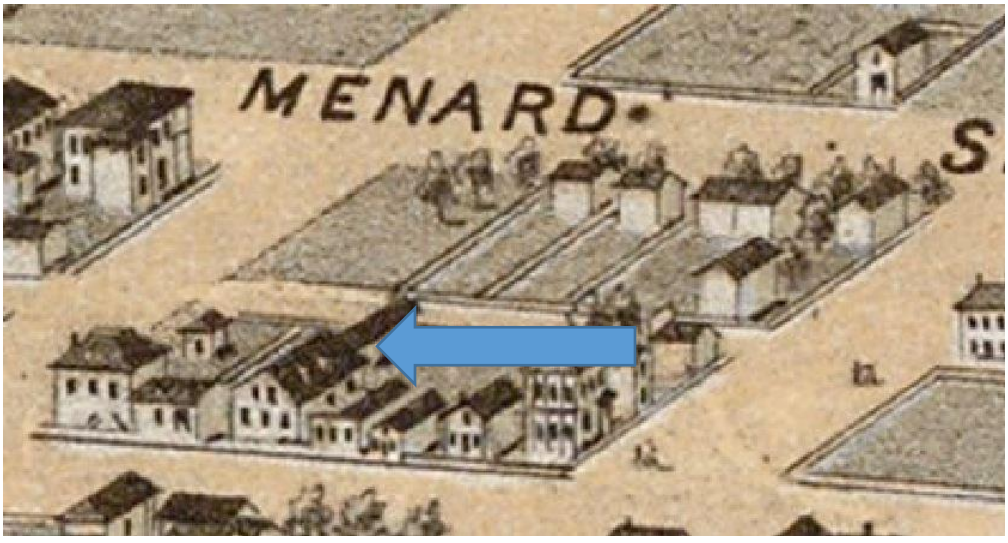


Figure 1 – The Cordray House at 1107 Church indicated by blue arrow in this close-up from Camille N. Drie's 1871 bird's eye view of Galveston.

Figure 2 – The Cordray House at 1107 Church indicated by blue arrow in this close-up from Augustus Koch's 1885 bird's eye view of Galveston.

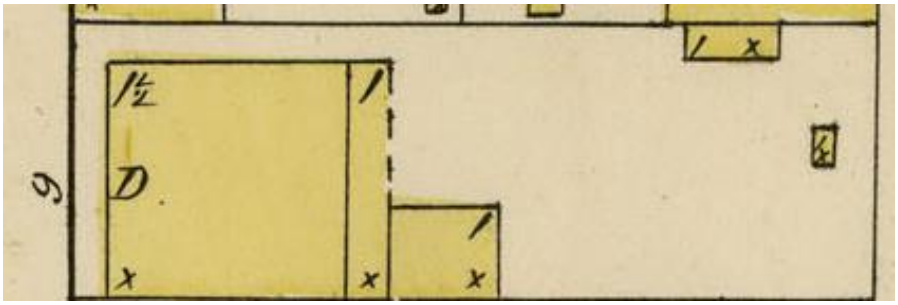


Figure 3 – The Cordray House depicted in an 1889 Sanborn Fire Insurance Map. (Dolph Briscoe Center, University of Texas, Austin, Texas.)

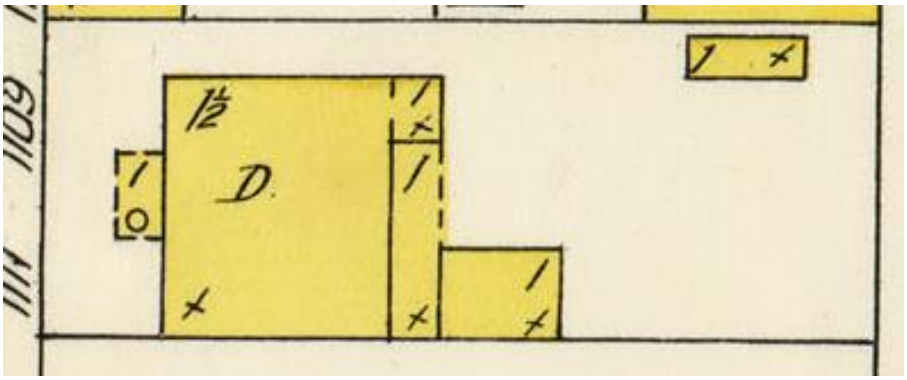


Figure 4 – The Cordray House depicted in an 1899 Sanborn Fire Insurance Map. (Dolph Briscoe Center, University of Texas, Austin, Texas.)

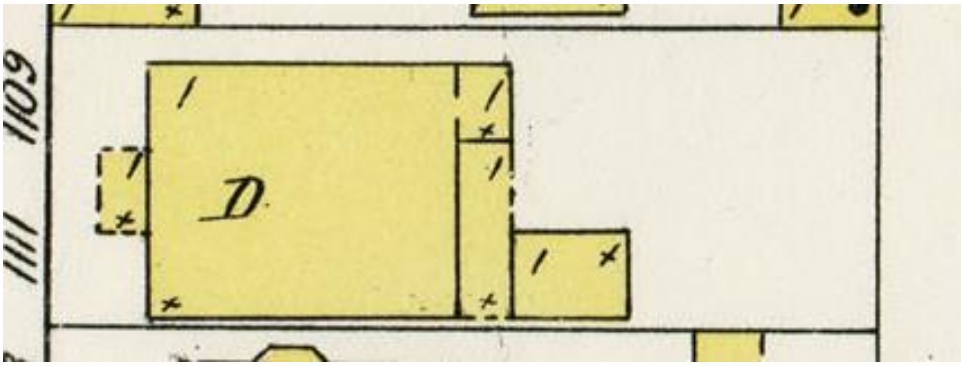


Figure 5 - The Cordray House depicted in a 1912 Sanborn Fire Insurance Map. (Dolph Briscoe Center, University of Texas, Austin, Texas.)

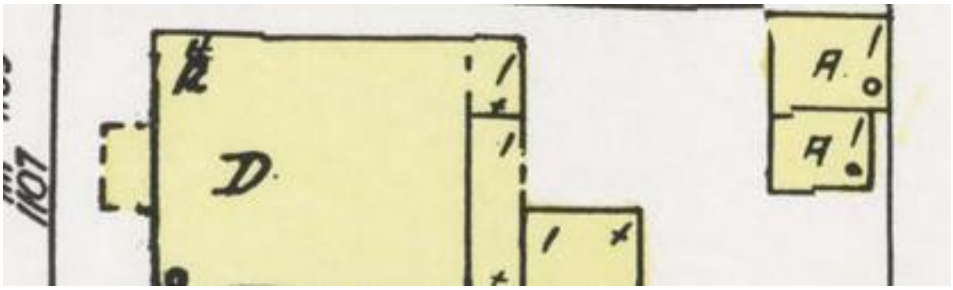


Figure 6 – The Cordray House depicted in a 1947 Sanborn Fire Insurance Map. (Dolph Briscoe Center, University of Texas, Austin, Texas.)

Figure 7 – The north elevation of the Cordray House at 1107 Church. (Credit: Jason Klimisch. Available at Preservation Resource Center, Galveston Historical Foundation, Galveston, Texas.)

Figure 8 – The south elevation and rear yard of the Cordray House at 1107 Church. (Credit: Jason Klimisch. Available at Preservation Resource Center, Galveston Historical Foundation, Galveston, Texas.)

Figure 9 – The secondary building on the Cordray House lot at 1107 Church. (Credit: Jason Klimisch. Available at Preservation Resource Center, Galveston Historical Foundation, Galveston, Texas.)

Figure 10 – The secondary building on the Cordray House lot at 1107 Church. (Credit: Jason Klimisch. Available at Preservation Resource Center, Galveston Historical Foundation, Galveston, Texas.)

Figure 11 – The formal landscape of the Cordray House rear yard at 1107 Church. (Credit: Jason Klimisch. Available at Preservation Resource Center, Galveston Historical Foundation, Galveston, Texas.)

IV. **Sources**

[1] "United States Census, 1900," database with images, *FamilySearch*(https://familysearch.org/ark:/61903/1:1:M3G4-156 : accessed 15 May 2019), Thomas J Cordrey, Galveston city Ward 1, Galveston, Texas, United States; citing enumeration district (ED) 114, sheet 10A, family 196, NARA microfilm publication T623 (Washington, D.C.: National Archives and Records Administration, 1972.); FHL microfilm 1,241,637.

[2] Hagy, James W. *Charleston, South Carolina City Directories for the Years 1830-1841*. 1997. *1930 Cordray listing available at Preservation Resource Center, Galveston Historical Foundation, Galveston, Texas.*

[3] "A Veteran's Death," Galveston *Daily News*; Saturday, March 24, 1894.

[4] "Christopher Fox, 1873," *Find a Grave*. Web. https://www.findagrave.com/memorial/127830988. Accessed May 15, 2019; "Katherine *Fox* Cordray, 1896," *Find a Grave*. Web. https://www.findagrave.com/memorial/147649850/katherine-cordray8. Accessed May 15, 2019; "Jennie *Fox* Lyons, 1920," *Find a Grave*. Web. https://www.findagrave.com/memorial/117260342/jennie-lyons. Accessed May 15, 2019;

[5] United States Census, 1880; United States Census, 1900; "Old Settler Gone," Galveston *Daily News*; October 22, 1896.

[6] Galveston City Directory: 1872, Preservation Resource Center, Galveston Historical Foundation, Galveston, Texas.

[7] "Katherine *Fox* Cordray, 1896," *Find a Grave*; Insurance Records for 1101 Church, 1107 Church, and 607 11th Street, Galveston and Texas History Center, Rosenberg Library, Galveston, Texas; "1873 Thomas Cordray Home, 1107 Church," Galveston Historical Foundation Historic Homes Tour Brochure, 2003, pp. 8-9. Preservation Resource Center, Galveston Historical Foundation.

[8] "1873 Thomas Cordray Home, 1107 Church," 2003 Historic Homes Tour Brochure.

[9] "1873 Thomas Cordray Home, 1107 Church," 2003 Historic Homes Tour Brochure; "Dennis Fitzwilliam, 1891," *Find a Grave*. Web. https://www.findagrave.com/memorial/67684998. Accessed May 15, 2019; Select Galveston City Directories: 1872-1878, Preservation Resource Center, Galveston Historical Foundation, Galveston, Texas.

[10] "1873 Thomas Cordray Home, 1107 Church," 2003 Historic Homes Tour Brochure.

[11] "Recorded Texas Historic Landmark Nomination, James S. Waters House," 2015. Texas Historical Commission, Austin, Texas.

[12] "Galveston City Directory, 1906-1907." Preservation Resource Center, Galveston Historical Foundation (GHF), Galveston, Texas; Cohen, Henry. "The Jews in Texas," *Publications of the American Jewish Historical Society*, No. 4 (1896), pp. 9-19

[13] "1873 Thomas Cordray Home, 1107 Church," 2003 Historic Homes Tour Brochure.

[14] Select Galveston City Directories: 1906-1925, Preservation Resource Center, Galveston Historical Foundation, Galveston, Texas.

[15] "1873 Thomas Cordray Home, 1107 Church," 2003 Historic Homes Tour Brochure. Select Galveston City Directories: 1935-1941, Preservation Resource Center, Galveston Historical Foundation, Galveston, Texas.

[16] "1873 Thomas Cordray Home, 1107 Church," 2003 Historic Homes Tour Brochure; "1873 Thomas Cordray Home, 1107 Church," Galveston Historical Foundation Historic Homes Tour Brochure, 1995, pp. 6-7. Preservation Resource Center, Galveston Historical Foundation.

[17] Galveston CAD Property Details, 1107 Church, Property ID 102990; "1873 Thomas Cordray Home, 1107 Church," 2003 Historic Homes Tour Brochure.

ORDINANCE NO. 19-__

AN ORDINANCE OF THE CITY OF GALVESTON, TEXAS, DESIGNATING THE PROPERTY LOCATED AT **2201 MARKET / AVENUE D,** AS A "GALVESTON LANDMARK", PROPERTY IS LEGALLY DESCRIBED AS M. B. MENARD SURVEY, LOTS 6 AND 7, BLOCK 502, IN THE CITY AND COUNTY OF GALVESTON, TEXAS; REQUESTING THE HISTORIC PRESERVATION OFFICER RECORD THE PROPERTY'S LANDMARK DESIGNATION IN THE OFFICIAL PUBLIC RECORDS OF REAL PROPERTY IN GALVESTON COUNTY, THE TAX RECORDS OF THE CITY OF GALVESTON AND THE CENTRAL APPRAISAL DISTRICT, AND THE OFFICIAL ZONING MAPS OF THE CITY OF GALVESTON, TEXAS; DESIGNATING THE SITE AS A HISTORICALLY OR ARCHEOLOGICAL SIGNIFICANT SITE IN NEED OF TAX RELIEF TO ENCOURAGE ITS PRESERVATION; PLANNING CASE NUMBER **19P-049**; MAKING VARIOUS FINDINGS AND PROVISIONS RELATED TO THE SUBJECT.

WHEREAS, on March 11, 1999, the Galveston City Council adopted Ordinance Number 99-14 creating the Landmark Designation Process requiring that a property requesting such designation must meet certain criteria and that the designation is considered a "change of zoning" for the property and is therefore treated as such; and,

WHEREAS, the Applicant, Brent Farley, Kennedy Sutherland, LLP., and Property Owner, 2201 Market Ltd., request that the structure located at **2201 Market / Avenue D,** and legally described as M. B. Menard Survey, Lots 6 and 7, Block 502, in the City and County of Galveston, Texas, be officially designated as a Galveston Landmark; and,

WHEREAS, the subject structure, the United States National Bank building, (United States National Bank) was constructed in 1925 to house the United States National Bank. The United States National Bank was a major financial institution in Galveston and traces its history back to 1874, with the founding of Island City Savings Bank; and,

WHEREAS, the United States National Bank (now Frost Bank) was the last bank chartered that was allowed to incorporate "United States" into its name. The United States National Bank building was listed on the National Register of Historic Places in 1984 as part of the Galveston Central Business District Multiple Resource Area; and,

WHEREAS, the United States National Bank building The United States National Bank Building was designed by Alfred C. Blossom of New York City, and has been an established visual feature of the community since its construction. The United States National Bank building retains its historic integrity, and retains its original location, design, setting, materials, workmanship, feeling and association; and,

WHEREAS, as set out in the Staff Report, attached as **Exhibit 1** and incorporated herein for all intents and purposes, the property was reviewed and met the criteria for Landmark Designation as set forth in Article 10 of the City's Land Development Regulations; and,

WHEREAS, the property is eligible to participate in the City of Galveston's Local Tax Exemption for New Historic Districts and Galveston Landmarks Program. It is eligible to participate in the Financial Incentive for Substantial Rehabilitation Program. The benefit is a freeze in city property taxes for a period of ten years upon completion of substantial renovations; and,

WHEREAS, at its regular meeting of September 16, 2019, the Landmark Commission voted to recommend approval of the request; and,

WHEREAS, at its regular meeting of September 17, 2019, the Planning Commission voted to recommend approval of the request; and,

WHEREAS, Staff recommends that Planning Case Number 19P-049 request for Landmark Designation of the property located at **2201 Market / Avenue D,** be approved with the condition provided in Section 2 below; and,

WHEREAS, after notice and public hearing as required by law, the City Council finds that it is in the public's interest to approve the application and designate the structure located at **2201 Market / Avenue D,** and legally described as M. B. Menard Survey, Lots 6 and 7, Block 502, in the City and County of Galveston, Texas, as a "Galveston Landmark" and as a historically or archeologically significant site in need of tax relief to encourage its preservation."

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF GALVESTON, TEXAS:

SECTION 1. The findings and recitations set out in the preamble to this Ordinance are found true and correct and they are hereby adopted by the City Council and made a part hereof for all purposes.

SECTION 2. After public hearing, the City Council approves the request for Landmark Designation of the property located at **2201 Market / Avenue D** and legally described as M. B. Menard Survey, Lots 6 and 7, Block 502, in the City and County of Galveston, Texas, subject to the following condition:

Standard Condition:

1. As with all properties containing a Historic Overlay Designation, including Landmark Designations, exterior alterations to the property will be subject to review and approval by the Landmark Commission and must conform to the Design Standards for Historic Properties of Galveston, Texas.

SECTION 3. Pursuant to City of Galveston Ordinance Number 15-059, the City Council designates the structure as a "historically or archeologically significant site in need of tax relief to encourage its preservation". The property is eligible to participate in the Financial Incentive for Substantial Rehabilitation Program. The benefit is a freeze in city

property taxes for a period of ten years upon completion of substantial renovation.

SECTION 4. The City of Galveston Historic Preservation Officer will maintain all records and will record the property's Landmark Designation in the Official Public Records of Real Property of Galveston County, in the tax records of the City of Galveston and the Central Appraisal District, and in the Official Zoning Maps of the City of Galveston, Texas.

SECTION 5. It is hereby declared to be the intention of the City Council that the sections, paragraphs, sentences, clauses, and phrases of this Ordinance are severable and, if any phrase, clause, sentence, paragraph or section of this Ordinance should be declared invalid by the final judgment or decree of any court of competent jurisdiction, such invalidity shall not affect any of the remaining phrases, clauses, sentences, paragraphs, and sections of this Ordinance.

SECTION 6. All Ordinances or parts thereof in conflict herewith are repealed to the extent of such conflict only.

SECTION 7. In accordance with the provisions of Sections 12 and 13 of Article II of The City Charter this Ordinance has been publicly available in the office of the City Secretary for not less than 72 hours prior to its adoption; that this Ordinance may be read and published by descriptive caption only.

SECTION 8. This Ordinance shall become effective upon its adoption and publication in accordance with the provisions of The Charter of the City of Galveston.

APPROVED AS TO FORM:

_____
DONNA M. FAIRWEATHER
ASSISTANT CITY ATTORNEY

I, Janelle Williams, Secretary of the City Council of the City of Galveston, do hereby certify that the foregoing is a true and correct copy of an Ordinance adopted by the City Council of the City of Galveston at its Regular Meeting held on October 17, 2019, as the same appears in records of this office.

IN TESTIMONY WHEREOF, I subscribe my name hereto officially under the corporate seal of the City of Galveston this _____, 2019.

_____
Secretary for the City Council
of the City of Galveston

2201 Market / Avenue D
Landmark – 19P-049;
Tax relief eligible

City Council
Planning and Development Division
City of Galveston
October 17, 2019

19P-049 STAFF REPORT

ADDRESS:
2201 Market / Avenue D

LEGAL DESCRIPTION:
Property is legally described as M. B. Menard Survey, Lots 6 and 7, Block 502, in the City and County of Galveston, Texas

APPLICANT/REPRESENTATIVE:
Brent Farley, Kennedy Sutherland, LLP

PROPERTY OWNERS:
2201 Market Ltd.

ZONING DISTRICT:
Central Business (CB)

HISTORIC DISTRICT:
n/a

REQUEST:
Request for designation as a Galveston Landmark

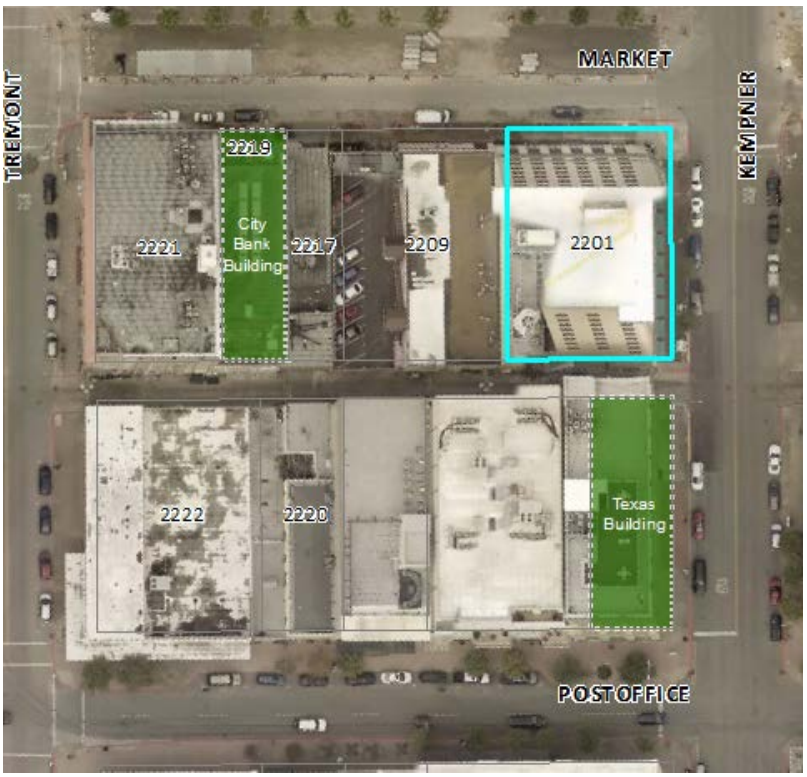
STAFF RECOMMENDATION:
Approval with Conditions

ATTACHMENTS:
A – Applicant's Submittal

STAFF:
Catherine Gorman, AICP
Assistant Director/HPO
409-797-3665
cgorman@galvestontx.gov

Public Notice and Comment:

Sent	Returned	In Favor	Opposed	No Comment
61	5	5	0	0



Zoning and Land Use

Location	Zoning	Land Use
Subject Site	Central Business (CB)	Commercial
North	Central Business (CB)	Commercial
South	Central Business (CB) and Central Business, Galveston Landmark (CB-H)	Commercial/Residential
East	Central Business (CB)	Commercial
West	Central Business (CB)	Residential

Executive Summary

The applicants are requesting designation of the above referenced address, as a Galveston Landmark.

Analysis

As per Article 10 of the Land Development Regulations, the following criteria should be considered during the Landmark Designation review process:

1. **The character, interest, or value as part of the development, heritage, or cultural characteristics of the City of Galveston, Galveston County, the State of Texas, or the United States.**

   The building was constructed in 1925 to house the United States National Bank. The United States National Bank was a major financial institution in Galveston and traces its history back to 1874, with the founding of Island City Savings Bank. In 1902, the Kempner family bought a controlling interest in the bank and changed its name to Texas Bank and Trust Co. The Texas Bank and Trust Co. announced construction of the 12-sotry building in 1923. On January 1, 1924, the bank was rechartered as the United States National Bank. The United States National Bank (now Frost Bank) was the last bank chartered that was allowed to incorporate "United States" into its name.

2. **Recognition as a Recorded Texas Historic Landmark, National Historic Landmark, or entered into the National Register of Historic Places.**
   The United States National Bank Building was listed on the National Register of Historic Places in 1984 as part of the Galveston Central Business District Multiple Resource Area.

3. **Distinctive characteristics of a period or method of construction, or architecture; representative of, or a rare survivor of, the work of a master designer, builder or craftsmen.**
   The United States National Bank Building was designed by Alfred C. Blossom of New York City. Mr. Blossom was an engineer and architect trained in London who also designed the Magnolia Building in Dallas for Galvestonian John H. Sealy.

4. **Retention of historic integrity, meaning that the property possesses several, and usually most, of the aspects of integrity:**

   The United States National Building retains all aspects of integrity including: location, design, setting, materials, workmanship, feeling, and association.

5. **Likelihood of the continuation of a building's historical use, or its potential adaptation for new uses without the need for major intervention that could seriously damage its historic character or integrity.**

   The United States National Building is currently being converted from office use to residential use on the upper floors. A city landmark designation will allow for such modification while preserving the building's character and integrity.

Financial Incentives for Historic Properties

The subject property is eligible to participate in the Local Tax Exemption for New Historic Districts and Galveston Landmarks Program. The property is also eligible to participate in the Financial Incentive for Substantial Rehabilitation Program. The benefit is a freeze in city property taxes for a period of ten years upon completion of substantial renovations.

Other Reviews

The Landmark Commission reviewed at the September 16, 2019 meeting and recommended approval. The Planning Commission reviewed on September 17, 2019 and recommended approval. Both votes were unanimous.

Staff Recommendation

Staff recommends approval with the following condition:

Standard Condition:

1. As with all properties containing a Historic Overlay Designation, including Landmark Designations, exterior alterations to the property will be subject to review and approval by the Landmark Commission and must conform to the Design Standards for Historic Properties of Galveston, Texas.

Respectfully Submitted,

Catherine Gorman, AICP
Assistant Planning Director, HPO

Date

Attachment A

KENNEDY SUTHERLAND LLP

August 16, 2019

Landmark Commission
Planning and Development Division
823 Rosenberg, 4th Floor, Room 401
Galveston, Texas 77550

Re: Landmark Designation: United States National Bank Building

Dear Sir or Madam:

We are pleased to submit a Landmark Designation application with supporting documents on behalf of our client, 2201 Market Ltd. of Galveston, Texas. The application for landmark designation relates to the historic United States National Bank building located at 2201 Market Street in Galveston, Texas. The following documentation is enclosed:

1. Photographs of the United States National Bank Building;
2. Statement of Historical and Cultural Significance;
3. Statement of Architectural Significance;
4. Site Plan of Lot; and a
5. Survey

Your prompt attention to this matter is appreciated. Please do not hesitate to contact me with any questions regarding this transfer notice.

Truly,

Brent Farley

enclosures

112 E. Pecan Street, Suite 2810 San Antonio, Texas 78205 Office: 210.228.9500 Fax: 210.228.0781 www.kslawllp.com

Statement of Historical and Cultural Significance

The United States National Bank was a major financial institution in Galveston and traces its history back to 1874, with founding of Island City Savings Bank. In 1902, the Kempner family bought a controlling interest in the bank and changed its name to Texas Bank and Trust Co. Texas Bank and Trust Co. announced construction of the 12-story building in 1923. The Texas Bank and Trust Co. was rechartered as the United States National Bank on January 1, 1924. United States National Bank (now Frost Bank) was the last bank chartered that was allowed to incorporate "United States" in its name.

At 12 stories, the United States National Bank Building remains one of the most significant architectural buildings in Galveston. The building was designed by Alfred C. Blossom of New York City. Blossom was an engineer and architect trained in London who also designed Magnolia Building in Dallas. The building has been described as the third modern, skyscraper, office building in Galveston. It represents a major financial and architectural landmark in Galveston.

Statement of
Architectural Significance

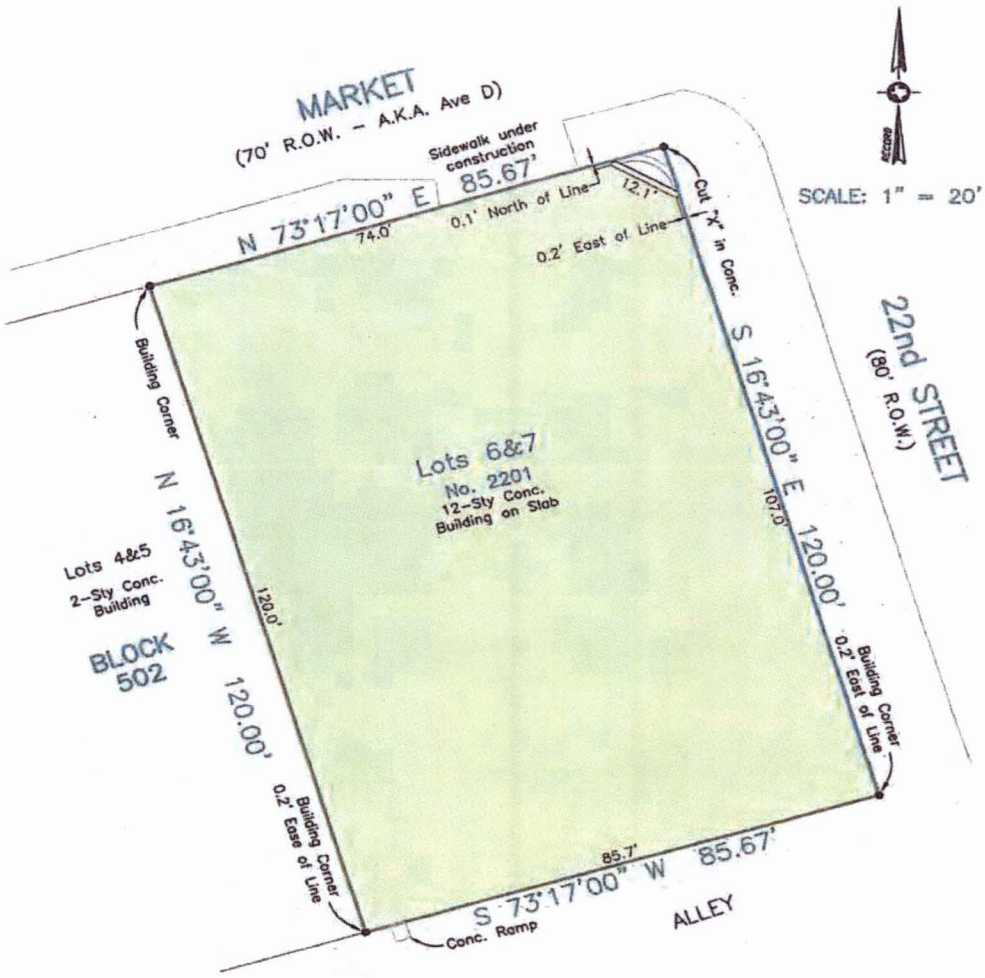
The building is a 12-story, Italian Renaissance style 1923 "skyscraper." It has limestone faced primary facades along Market Street and 22nd Street with brick secondary facades. It is a rectangular shaped building with a clipped corner designating the main lobby entrance. The main entry doorway has an ornate pediment with a backlit clock above. The ground floor consists of retail storefront spaces. The second floor is the main banking lobby. The banking lobby is two stories high with tall arched windows separated by limestone pilasters with carved Corinthian capitals. A simple entablature separates the third and fourth floors. The upper floors are a repetitive window grid. The 11th and 12th floor windows are separated by a decorative stone panel and pilasters with Corinthian capitals. The building is capped with a deep bracketed cornice that conceals the flat roof.

The main entry lobby has a marble staircase with an intricate polished brass stair railing leading to the main banking lobby. The lobby has a gold and silver leafed, carved plaster ceiling with polished marble walls. The main banking floor has marble teller stations, a marble floor, and an ornate plaster ceiling.

The secondary building facades underwent major restoration in 1989 to replace the crumbling brick. The underlying steel supports had deteriorated. They were replaced with stainless steel. The pressed copper cornice was also replicated in fiberglass at that time. In 2008, the steel supports for the limestone stones were failing and replaced with stainless steel just prior to Hurricane Ike.

Photos

Survey



Survey of Lots Six (6) and Seven (7), in Blocck Five Hundred Two (502), of THE CITY OF GALVESTON, a subdivision in Galveston County, Texas, according to the map thereof in common use.

I hereby certify that on the below date, the herein described property, together with improvements located thereon, was surveyed on the ground and under my direction, and that this map, together with dimensions as shown hereon, accurately represents the facts as found on the ground this date.

Brian S. House
Registered Professional
Land Surveyor No. 6520

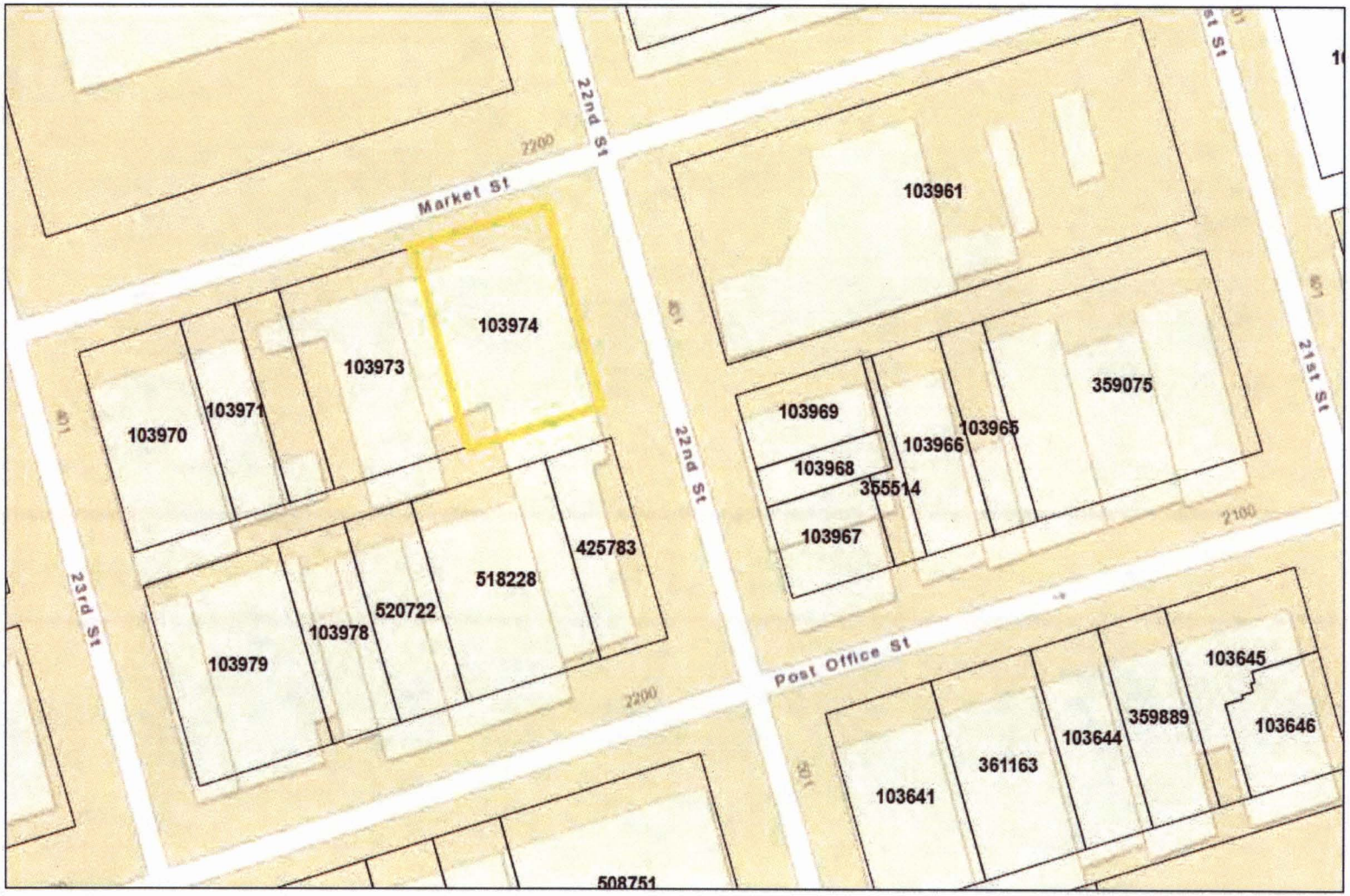
STATE OF TEXAS
REGISTERED
BRIAN S. HOUSE
6520
PROFESSIONAL
LAND SURVEYOR

SURVEY DATE:	MAY 16, 2018
FILE No.:	3505-0502-0006-000
DRAFTING:	ATC
JOB No.:	18-0415

High Tide Land Surveying LLC.
GALVESTON OFFICE
Registration Number: 10193855
(409) 740-1517 www.hightidelandsurveying.com
8017 HARBORSIDE DRIVE | GALVESTON, TX 77554
Mailing | P.O. BOX 16142 | GALVESTON, TX 77552

NOTES:
1) This property does lie within the 100 Year Flood Plain as established by the Federal Emergency Management Agency.
2) This property is subject to any restrictions of record as established by the City, Plat, or Subdivision Covenants and Restrictions; may also be subject to easements and setbacks for utility services and power lines as individually recorded or established by OSHA (call your power company).
3) Bearings based on Monumentation at South R.O.W. line of Avenue D
4) Surveyed without benefit of a Title Report.

Plat Map



June 7, 2018

Property ID

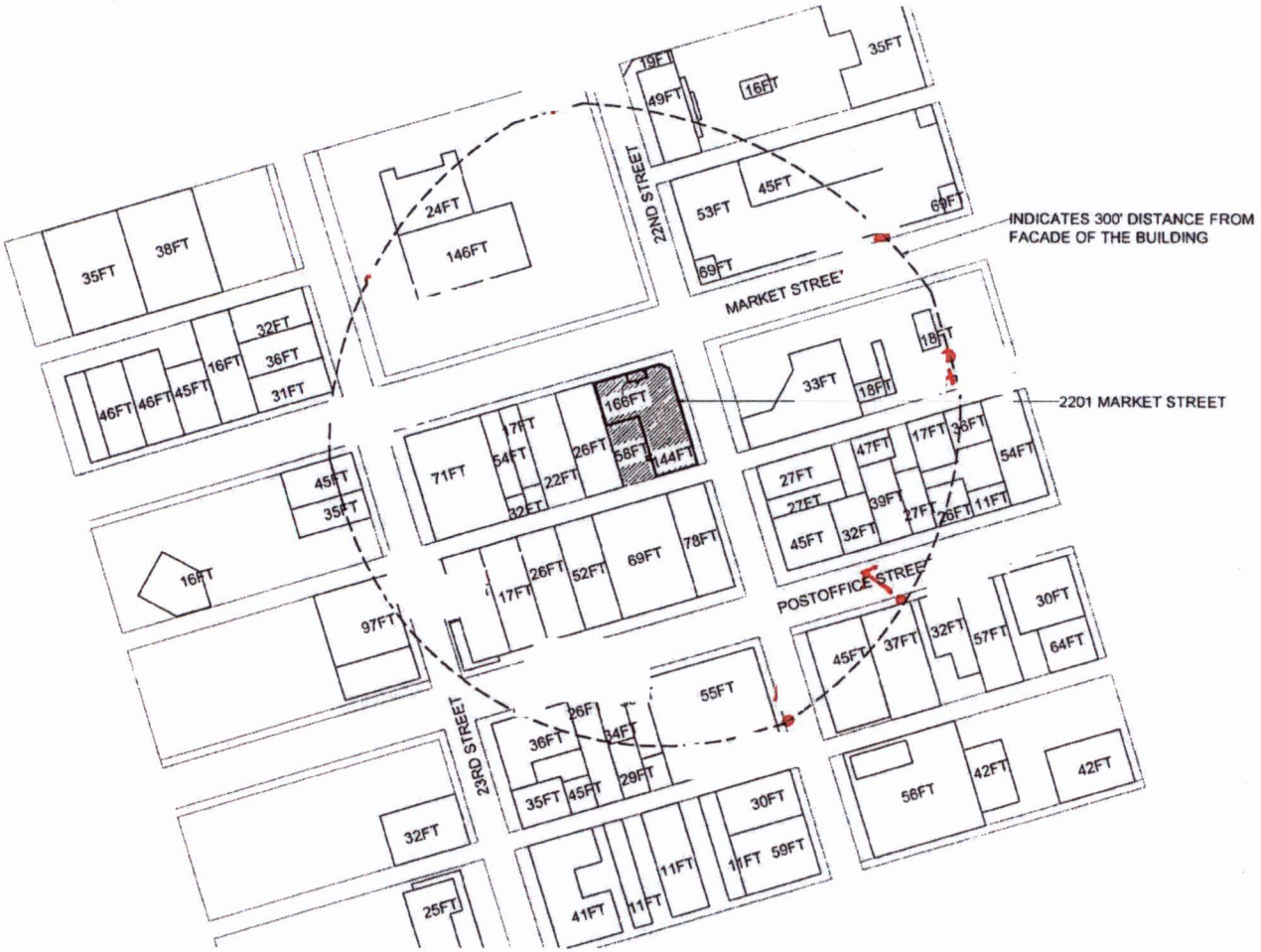
1:1,128

0 0.01 0.01 0.03 mi

0 0.01 0.03 0.05 km

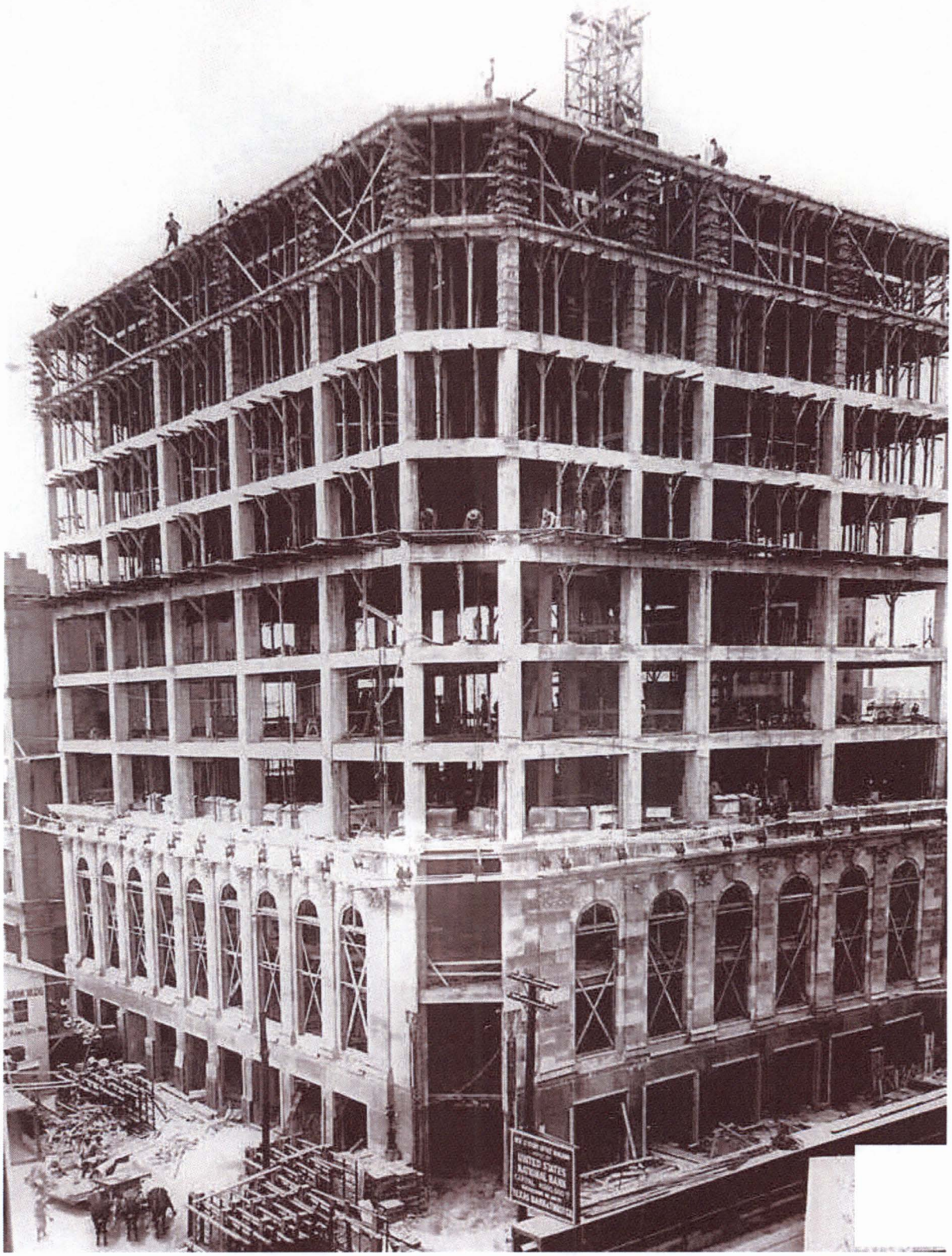
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), Esri, HERE, Garmin, INCREMENT P, NGA, USGS | Earthstar Geographics |

Site Plan of Lot



Site

U.S.N.B. Building, 2201 Market Street
Galveston, Texas 77550



Construction of the United States National Bank of Galveston founded by the Kempner family as the Island City Savings Bank in 1874.

Photograph courtesy of Rosenberg Library

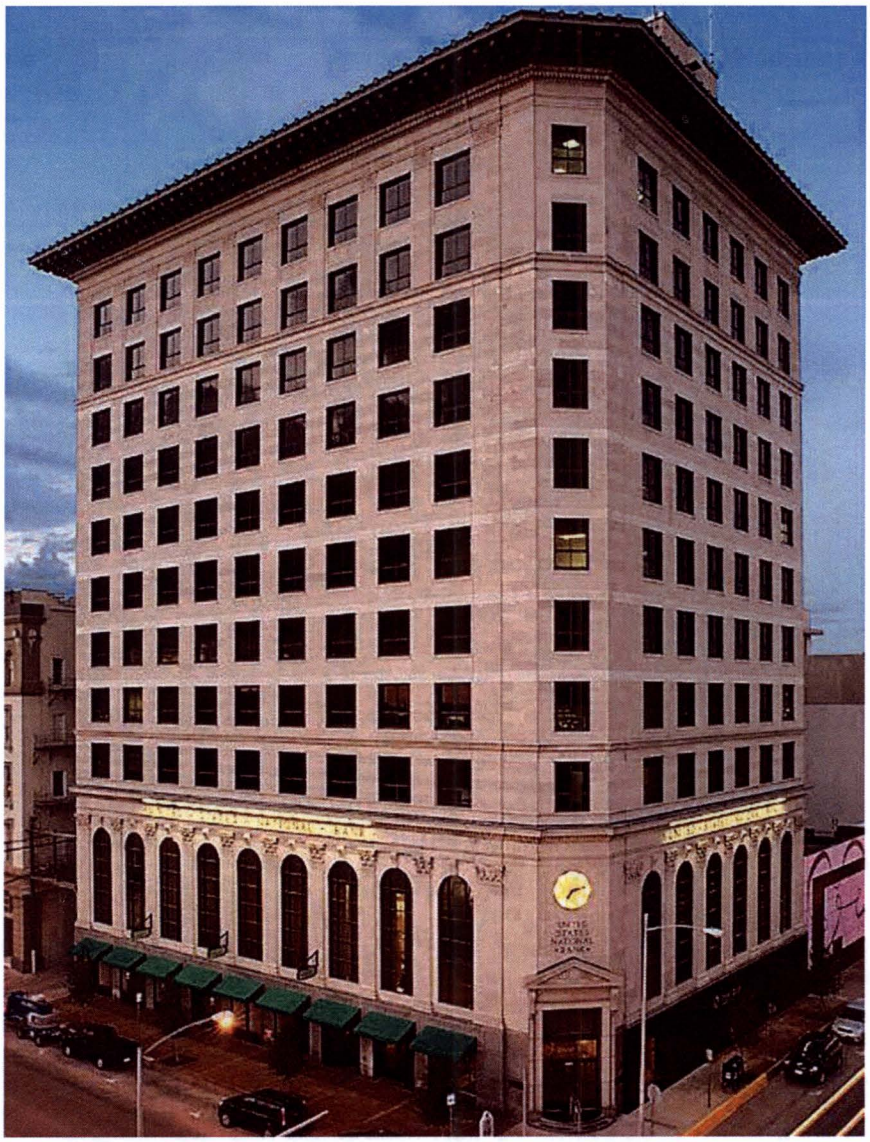


Photo 6- Original carved limestone main entry detail at the corner of 22nd Street and Market Street. The original doors have been replaced with aluminum storefront. The original cast bronze transom grill remains. The clock is backlit at night, and it keeps correct time.

Photo 5- Alley elevation from 22nd Street looking west. Brick façade with original cast iron storefronts.

Photo 7- Main lobby marble stair with ornate brass railing, marble walls, and silver and gold leaf ceiling.

Second floor banking lobby with marble floors, marble teller stations, and coffered plaster ceiling. Ceiling light fixtures are original.

ENTERED IN
THE NATIONAL REGISTER
OF HISTORIC PLACES
UNITED STATES
NATIONAL BANK
GALVESTON

1925
Photograph courtesy of Roseburg Library
United States
National Bank Building

ORDINANCE NO. 19-____

AN ORDINANCE OF THE CITY OF GALVESTON, TEXAS, GRANTING A VARIANCE PURSUANT TO SECTION 4-1 "SALES NEAR SCHOOLS, CHURCHS OR HOSPITALS" OF "THE CODE OF THE CITY OF GALVESTON, 1982 AS AMENDED" AND IN ACCORDANCE WITH SECTION 109.33(e) OF THE TEXAS ALCOHOLIC BEVERAGE CODE; REGARDING THE SALE OF ALCOHOLIC BEVERAGES ON PROPERTY LOCATED AT 3316 CHURCH / AVENUE F; WHICH IS LEGALLY DESCRIBED AS "FALSTAFF PLACE PARTIAL REPLAT (2018), LOT 3-A, IN THE CITY AND COUNTY OF GALVESTON TEXAS AND WHICH IS LOCATED WITHIN THREE HUNDRED FEET OF A SCHOOL, CHURCH, OR HOSPITAL; PLANNING CASE NUMBER 19PA-044; MAKING VARIOUS FINDINGS AND PROVISIONS RELATED TO THE SUBJECT.

WHEREAS, Applicant, JMK5 Holdings Galveston, LLC, is requesting a variance from the Galveston Municipal Code in order to allow the sale of alcohol, within 300-feet of any church, public or private school, or public hospital in the city of Galveston. The property owner is Falstaff Storage, LLC. The subject site is zoned "Commercial (C)"; and,

WHEREAS, as detailed in the staff report, attached and incorporated as **Exhibit "1"**, the subject site is located at 3316 Church / Avenue F; which is legally described as "Falstaff Place Partial Replat (2018), Lot 3-A, in the City and County of Galveston; and,

WHEREAS, the subject property is the former Falstaff Brewery located at 3316 Church Street. The proposed property has sat derelict for many years. The applicant has done extensive rehabilitation to the structure and the fifth floor has been converted into an event venue that will serve alcohol for private parties. The proposed land use is considered a "Place of Private Assembly" which is a Limited Land Use in a Commercial (C) zoning district. The venue will operate in the evenings and on the weekends; and,

WHEREAS, the requested variance is to allow the sale of alcoholic beverages within 300 feet of a private school. For issuance of a TABC license, 3316 Church / Avenue F would require a variance approved by City Council; and,

WHEREAS, the measurement requirement set forth by the Texas Alcoholic Beverage Code (TABC) described in Section 109.33(b), measures distance from schools in a straight line from property line to property line and in a direct line across intersections. The measurement from the subject property line and the requested variance is from 300-feet to 165-feet (Property line to property line = 75 feet, vertically up the building = 90 feet); and,

WHEREAS, TABC section 109.33(a) (1) "Sales Near School, Church, or Hospital" states in part "the governing board of an incorporated city or town may enact regulations applicable in the city or town, prohibiting the sale of alcoholic beverages by a dealer whose place of business is within 300 feet of a church, public or private school, or public hospital"; and,

WHEREAS, the TABC section 109.33(e) states, "[T]he commissioners court or a county or the governing board of a city or town that has enacted a regulation under subsection (a) of this

section may also allow variances to the regulation if the commissioners court or governing body determines that enforcement of the regulation in a particular instance is not in the best interest of the public, constitutes waste or inefficient use of land or other resources, creates an undue hardship on an applicant for a license or permit does not serve its intended purpose, is not effective or necessary, or for any other reason the court or governing board, after consideration of the health, safety, and welfare of the public and the equities of the situation, determines is in the best interest of the community"; and,

WHEREAS, on September 17, 2019, the applicant submitted an application requesting a variance pursuant to Section 4-1 of the City Code of Galveston; and,

WHEREAS, Section 4-1 of the Code of the City of Galveston states:

> "The sale of alcoholic beverages by any dealer or by the agent, servant or employee of any dealer who sells alcoholic beverages is hereby prohibited where the place of business of such dealer is within three hundred (300) feet of any church, public or private school or public hospital in the city. The measurement shall be as set out in the Texas Alcoholic Beverage Code, as amended"; and,

WHEREAS, pursuant to the City Code, Chapter 4 Section 4-1(b), a property owner may apply to City Council for a variance from the prohibition of sales near schools, churches or hospitals; and,

WHEREAS, City Code, Chapter 4-1 (c) states: "If City Council determines, after notice and hearing, that enforcement or the prohibition in a particular instance is not in the best interest of the public, constitutes waste or inefficient use of land or other resources, creates an undue hardship on an applicant for a license or permit, does not serve its intended purpose, is not effective or necessary, or for any other reason the council, after consideration of the health, safety, and welfare of the public and equities of the situation, determines is in the best interest of the community, City Council may allow a variance from this prohibition as permitted in the Alcoholic Beverage Code"; and,

WHEREAS, Staff recommends City Council take action regarding the request for a variance with regard to the sale of alcoholic beverages within three hundred (300) feet of any church, public or private school, or public hospital in the city for property located at 3316 Falstaff / Avenue F, in the City and County of Galveston, Texas; and,

WHEREAS, after notice and public hearing as required by law, the City Council of the City of Galveston, Texas deems it to be in the public interest to grant a variance from Section 4-1(a) of the Galveston City Code to JMK5 Holdings Galveston, LLC, Applicant, for the property located at 3316 Church / Avenue F, which is legally described as "Falstaff Place Partial Replat (2018), Lot 3-A, in the City and County of Galveston, Texas.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF GALVESTON, TEXAS:

SECTION 1. The findings and recitations set out in the preamble to this Ordinance are found to be true and correct and they are hereby adopted by the City Council and made a part hereof for all purposes.

SECTION 2. JMK5 Holdings Galveston, LLC, Applicant, is hereby granted a variance pursuant to Section 109.33(e) of the Texas Alcoholic Beverage Commission and in accordance with Section 4-1 of the Code of the City of Galveston in regard to the sale of alcoholic beverages, thus allowing the sale of alcoholic beverages within three hundred (300) feet of any church, public or private school, or public hospital that is located within 300 feet of the owner's business location at 3316 Church / Avenue F, which is legally described as "Falstaff Place Partial Replat (2018), Lot 3-A, in the City and County of Galveston, Texas.

SECTION 3. It is hereby declared to be the intention of the City Council that the sections, paragraphs, sentences, clauses and phrases of this Ordinance are severable and, if any phrase, clause, sentence, paragraph or section of this Ordinance should be declared invalid by the final judgment or decree of any court of competent jurisdiction, such invalidity shall not affect any of the remaining phrases, clauses, sentences, paragraphs and sections of this Ordinance.

SECTION 4. In accordance with the provisions of Sections 12 and 13 of Article II of the City Charter this Ordinance has been publicly available in the office of the City Secretary for not less than 72 hours prior to its adoption; that this Ordinance may be read and published by descriptive caption only.

SECTION 5. This Ordinance shall be and become effective from and after its adoption and publication in accordance with the provisions of the Charter of the City of Galveston.

APPROVED AS TO FORM:

_____
DONNA M. FAIRWEATHER
ASSISTANT CITY ATTORNEY

I, Janelle Williams, Secretary of the City Council of the City of Galveston, do hereby certify that the foregoing is a true and correct copy of an Ordinance adopted by the City Council of the City of Galveston at its regular meeting held on October 17, 2019, as the same appears in records of this office.

IN TESTIMONY WHEREOF, I subscribe my name hereto officially under the corporate seal of the City of Galveston this ___ day of _____, 2019.

_____
Secretary for the City Council
of the City of Galveston

October 3, 2019

Honorable Mayor Jim Yarbrough
and City Council Members
Galveston, Texas

Dear Mayor and Council Members:

Subject: **19PA-044 (3316 Church/Avenue F)** Request for a variance to appeal the Section 4-1(a) of the Galveston City Code in regards to sale of alcoholic beverages within three hundred (300) feet of any church, public or private school, or public hospital in the city. Property is legally described as Falstaff Place Partial Replat (2018), Lot 3-A, in the City and County of Galveston, Texas.
Applicant: JMK5 Holdings Galveston, LLC
Property Owner: Falstaff Storage, LLC

Site of Request:

The subject property is the former Falstaff Brewery located at 3316 Church Street. The subject site is zoned Commercial (C). The proposed property has sat derelict for many years. The applicant purchased the property and has done extensive rehabilitation to the structure. The fifth floor has been converted into an event venue that will serve alcohol for private parties. The proposed land use is considered a "Place of Private Assembly" by the Galveston Land Development Regulations. The "Place of Private Assembly" land use is a Limited Land Use in a Commercial (C) zoning district. The venue will operate in the evenings and on the weekends. The Upward Hope Academy, a private school, is located across Church Street.

Site of School:

Upward Hope Academy is located at 3301 Church Street. The school is a private high school for grades 9 through 12. Their hours of operation are Monday through Thursday from 7:30 am to 3:00 pm and Friday from 7:30 am to 2:00 pm. The school Principal, Kathy Whatley sent a letter of no objection to the applicant. Please reference Exhibit C for the letter. The school is not operated during the hours that The Tasting Room will be in operation. Alcohol will be served at private parties and is located on the fifth floor

Galveston Municipal Code Chapter 4 – Section 4-1 (a):

Section 4-1 of the Galveston Municipal Code states the following:

The sale of alcoholic beverages by any dealer or by the agent, servant or employee of any dealer who sells alcoholic beverages is hereby prohibited where the place of business of such dealer is within three hundred (300) feet of any church, public or private school or public hospital in the city. The measurement shall be as set out in the Alcoholic Beverage Code, as amended.

The measurement requirement set forth by the Alcoholic Beverage Code is described in Section 109.33(b)(2). The measurement of the distance between the place of business where alcoholic beverages are sold and the public or private school shall be:

> If the permit or license holder is located on or above the fifth story of a multistory building, in a direct line from the property line of the public or private school to the property line of the place of business, in a direct line across intersections, and vertically up the building at the property line to the base of the floor on which the permit or license holder is located. .

Galveston City Code Chapter 4, Section 4-1 (b) (c):

A property owner may apply to City Council for a variance from this prohibition. The property owner must file with the City Council a request for variance specifying the grounds supporting the variance, and an application fee sufficient to pay the costs of notice.

If City Council determines, after notice and hearing, that enforcement or the prohibition in a particular instance is not in the best interest of the public, constitutes waste or inefficient use of land or other resources, creates an undue hardship on an applicant for a license or permit, does not serve its intended purpose, is not effective or necessary, or for any other reason the council, after consideration of the health, safety, and welfare of the public and equities of the situation, determines is in the best interest of the community, City Council may allow a variance from this prohibition as permitted in the Alcoholic Beverage Code.

Property Owner Notification as of October 17, 2019:

Sent	Returned	In Favor	In Opposition	No Comment
21				

Applicants Justification:

The request is due to the nature of the event center and hotel that are being built in proximity to a school. In revitalizing the Falstaff Brewery as an event center and hotel, it is imperative to the success of the project that alcoholic beverages are sold on site. This is only possible if the City provides a variance from Municipal Code.

Requested Variance: from 300-feet to 165-feet (Property line to property line = 75 feet, vertically up the building = 90 feet)

Exhibits

(A) – Aerial Map
(B) – Applicant's Submittal
(C) – Letter from Upward Hope Academy

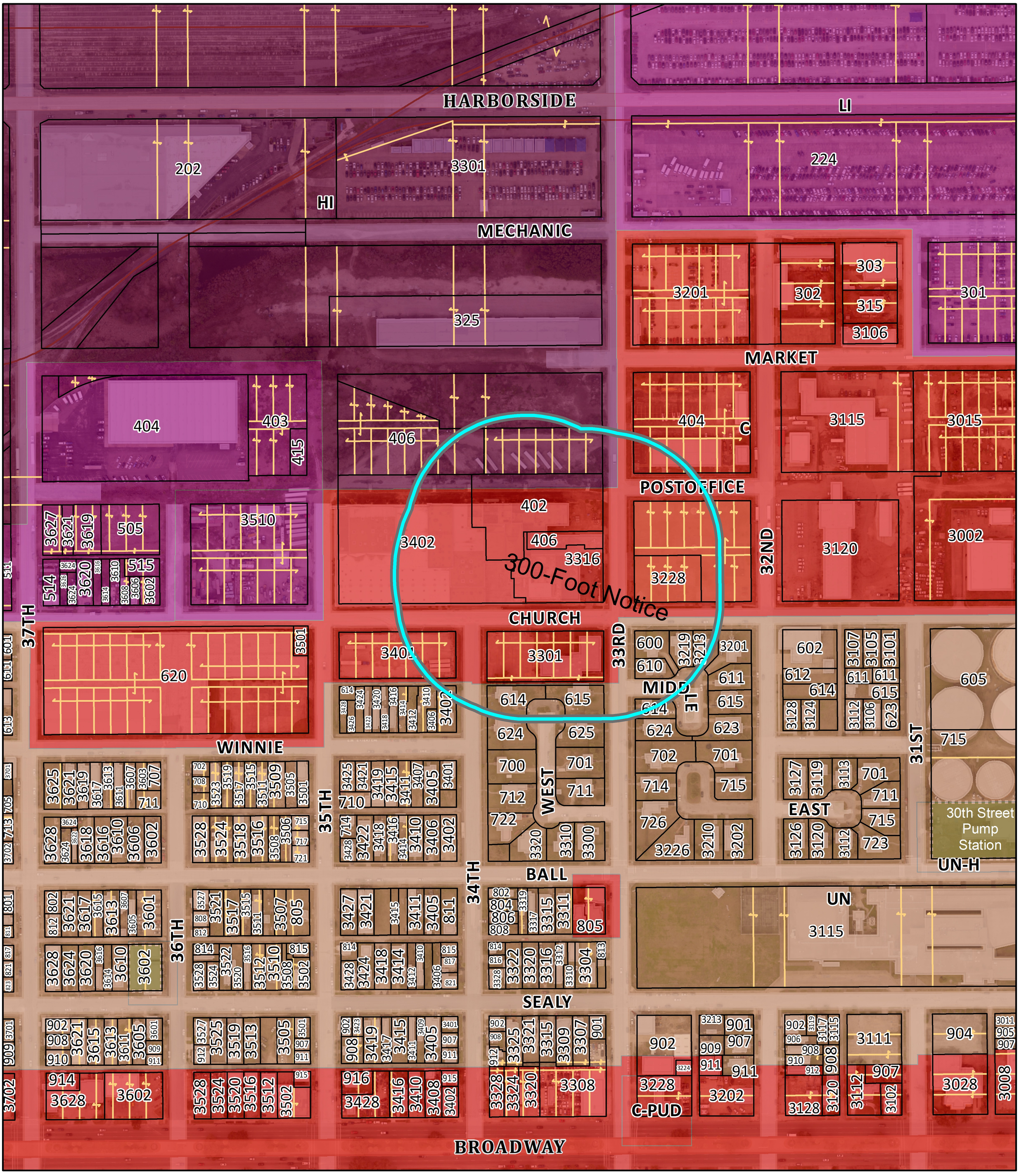
Respectfully submitted,

_____ _____

Janice Norman, Planning Manager Date

_____ _____

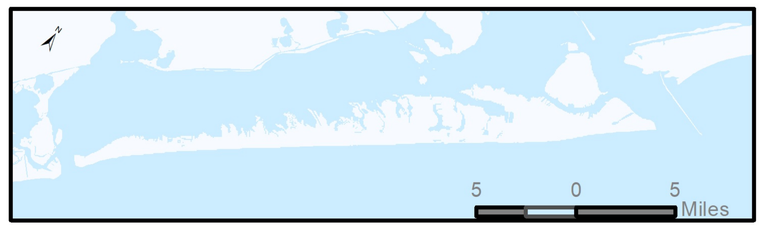
Catherine Gorman, Assistant Director, HPO, AICP Date



This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes.

It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries.
The data presented on these pages is not legally binding on the City of Galveston or any of its departments. These maps and the associated data are representations ONLY and may contain errors in the databases. Therefore, the information presented on this map is for informational purposes only and should not be construed to be legally binding.

Map prepared by the City of Galveston Development Services Department (normanjan) 10/2/2019



FORM SIDEWALK & REVIEW BY ARCHITECT AND ENGINEER PRIOR TO PLACING CONCRETE

ADJACENT PROPERTY AND DEMOLISHED BUILDING

ADJACENT PROPERTY AND EXISTING BUILDING

ADJACENT PROPERTY AND DEMOLISHED BUILDING

NEW ENTRY

2ND FLOOR ROOF (NEW CLASS "A" MODIFIED BITUMEN ROOF SYSTEM) RE A1 12

NEW STAIR TOWER ROOF (NEW CLASS "A" MODIFIED BITUMEN ROOF SYSTEM) RE A1 12

4TH FLOOR ROOF (NEW CLASS "A" MODIFIED BITUMEN ROOF SYSTEM) RE A1 12

3RD FLOOR ROOF (NEW CLASS "A" MODIFIED BITUMEN ROOF SYSTEM) RE A1 12

5TH FLOOR ROOF (NEW CLASS "A" MODIFIED BITUMEN ROOF SYSTEM) RE A1 12

5TH FLOOR ROOF @ TASTING ROOM (NEW MODIFIED CLASS "A" BITUMEN ROOF SYSTEM) RE A1 12

TERRACE ROOF DECK

EXISTING PLANTER

PROPERTY LINE

SLOPE

NEW CONCRETE SIDEWALK (REFER TO RAMP SOLUTION)

EASEMENT ROUTE

LANDING

CURB

NEW VEGETATION BED

NEW 6" CURB

SLOPE TO DRAIN

CONCRETE

LANDING (LEVEL WITH EXISTING SIDEWALK)

TOOLED GROOVES @ 2" O.C. IN RAMP SLOPED SURFACE

LOADING / DROPPING ZONE

2" TOPPING ASPHALT AT EXISTING PARKING LOT

DUMPSTER

CONCRETE PAD

6' H CMU ENCLOSURE WITH NEW CONCRETE FOOTING

ACCESSIBLE ROUTE

LOADING ZONE

NEW 5" CONCRETE SIDEWALK 3000 P.S.I. #5 AT 12" O.C.E.W

SLOPE 1/4" MAX. 12"

KNOX BOX LOCATION (48" ABOVE GRADE)

NOTE: PROVIDE 4" WIDE YELLOW VEHICULAR GRADE PAINT STRIPES AT SHOWN LOCATION (SIMILAR AT PARKING STALLS)

01

LANDSCAPE BED

NEW CURB

CONCRETE

HOT DIPPED GALVANIZED HANDRAILS & STAIRS RE 02/A3.5

02 03 04 05 06 07

PARKING (17 TOTAL)

08 09 10 11 12 13 14 15 16 17

NEW CONCRETE DRIVEWAY 6" THICK 3000 P.S.I CONCRETE WITH #5 REBAR AT 12" O.C.

NEW CURB RAMP (RE 03-04/C1.2)

NEW 6" CURB

LANDSCAPE BED

SIDEWALK (REBUILD WHERE REQUIRED)

33RD STREET

PROPERTY LINE

EXISTING PLANTER

TERRACE ROOF DECK

EXISTING LANDSCAPE/SODDING NO WORK THIS AREA

EXISTING DRIVEWAY NO WORK THIS AREA

CHURCH STREET

NOTE
EXISTING ROOF ASSEMBLY - RATED 3 HOURS
12" CONCRETE MASONRY UNIT RATED 180 MINUTES, PER 2012 IBC TABLE 722.2.1.2 (1) & 722.2.1.2 (2))

PROPOSED ROOF ASSEMBLY - RATED 1 HOURS
UL263/DESIGN NO P602

FLOOR INFILL LEGEND
- INFILL RECTANGLE HOLE THIS LOCATION (RE STRUCTURAL)
- INFILL RECTANGLE HOLE THIS LOCATION (RE STRUCTURAL)

01 SITE PLAN
SCALE 1/8" = 1'-0"

Thu Nov 29 16:53:20 2018, DWG To PDF.pc3

DAVID WATSON, ARCHITECT & ASSOCIATES
402 TWENTIETH STREET
GALVESTON, TEXAS 77550
409 762 8000
DWARCH@AOL.COM

STRUCTURAL CONSULTANT
JAMES AUSTIN ENGINEERS INC.
13201 NORTHWEST FREEWAY SUITE #600
HOUSTON, TEXAS 77040
713 664 4471

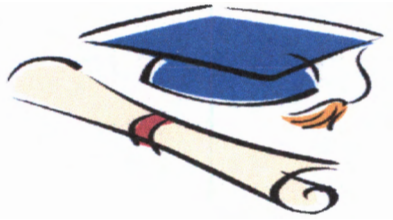
CONSULTANT

PROJECT/OWNER:
FALSTAFF STORAGE
3316 CHURCH STEET
GALVESTON, TEXAS 77550

REVISIONS

MARK	DATE	DESCRIPTION
	AUG 11 2017	ISSUED FOR PERMITTING
1	NOV 3 2017	CITY COMMENTS 1
2	DEC 1 2017	CITY COMMENTS 2
3	MAR 8 2018	CITY COMMENTS 3
4	MAR 14 2018	CITY COMMENTS 4
5	JUNE 26 2018	AMENDMENTS
	NOV 30 2018	FULL SET ISSUED

SHEET NUMBER
C1.1



Upward Hope Academy

3305 Church Street

Galveston, Texas 77550

409-497-4393 or 409-457-9256

To whom it may concern,

Upward Hope Academy does not have any issues with Events At The Tasting room serving alcohol evenings and weekends. This would in no way interfere with the school. If you have any questions, I can be reached at the numbers listed above.

Kathy Whatley Principal UHA

Kathy Whatley

ORDINANCE NO. 19- ____

AN ORDINANCE OF THE CITY OF GALVESTON, TEXAS, AMENDING CHAPTER 10, "BUILDING CODE," OF "THE CODE OF THE CITY OF GALVESTON, 1982; AS AMENDED", BY AMENDING THE "2012 INTERNATIONAL RESIDENTIAL CODE AMENDMENTS", "ATTACHMENT A", "APPENDIX R", "FEES" TO COMPLY WITH STATE LAW LEGISLATIVE CHANGES RELATED TO PERMIT FEES; PROVIDING FOR AN EFFECTIVE DATE; MAKING VARIOUS FINDINGS AND PROVISIONS RELATED TO THE SUBJECT.

WHEREAS, the Code of the City of Galveston currently includes the 2012 International Residential Code Amendments, along with local amendments identified in "Attachment A" and including Appendix R, related to permit fees; and,

WHEREAS, the 86th Legislative session has resulted in new state laws that require amendments to the City of Galveston permit fees; and,

WHEREAS, as presented in the Staff Report, attached and incorporated herein as **Exhibit 1,** the requested amendments are in accordance with mandated legislative changes; and,

WHEREAS, Staff, recommends amending the related "Appendix R" fees to comply with state law legislative changes as provided in Section 2 herein; and,

WHEREAS, the City Council of the City of Galveston deems it to be in the public interest to amend "Attachment A, Appendix R", of Chapter 10 "The Building Code" of "The Code of the City of Galveston 1982, as amended", modifying the permit fees to comply with state law.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF GALVESTON, TEXAS:

SECTION 1. The findings and recitations set out in the preamble to this Ordinance are found to be true and correct and they are hereby adopted by the City Council and made a part hereof for all purposes.

SECTION 2. "Attachment A, Appendix R" as referenced in Chapter 10 "the Building Code of the City of Galveston is hereby amended to read and provide as follows:

APPENDIX R

~~2012~~ IRC Schedule of Building Permit Fees

(A) **Existing Structures** ~~& Signs~~
~~Additions, Alterations, Repairs, Storage Buildings, Garage, Roofing~~

~~Valuation of Work~~	~~Fee~~
~~$500.00 to $1,000.00~~	~~$24.00~~
~~$1,001.00 to $15,000.00~~	~~$29.50 for the first $2,000.00 plus $5.50 for each additional thousand or fraction thereof, to and including $15,000.00.~~
~~$15,001.00 to $50,000.00~~	~~$101.00 for the first $15,000.00 plus $5.50 for each additional thousand or fraction thereof to and including $50,000.00.~~
~~$50,001.00 to $100,000.00~~	~~$293.50 for the first $50,000.00 plus $4.50 for each additional thousand or fraction thereof to and including $100,000.00.~~
~~$100,001.00 to $500,000.00~~	~~$518.50 for the first $100,000.00 plus $3.50 for each additional thousand or fraction thereof to and including $500,000.00.~~
~~$500,001.00 and up~~	~~$1,918.50 for the first $500,000.00 plus $2.50 for each additional thousand or fraction thereof.~~

Work	**FEE**
Building Permit Additions	$.40 / square foot
Building Plan Review – Additions	$.20 / square foot
Roof Permit	$150.00
Windows	$150.00
Storage Building	$150.00
Building Permit – Remodel Interior	$250.00
Building Permit – Remodel Exterior	$300.00

(B) New Construction

	Residential Site One & Two Family Dwelling	15 cents per square foot plus Inspection Charge and Plan Checking Fee.
	Commercial	20 cents per square foot for the first 20,000 square feet plus .05 per square foot there, plus Site Inspection Charge, Plan Checking Fee and Fire Marshall Fee.
(C)	**Plan Checking Fees**	When a plan is required to be submitted to the Planning Division, a Plan Checking Fee shall be assessed. Said fee shall be equal to one half of the building permit fee for Building Division review.
(D)	**Site Inspection Fees**	A Site Inspection for building layout shall be required on all new construction. Said Site Inspection fee shall be $25.00.
(E)	**Demolition**	For the demolition of any building or structures, the fee shall be: 0 up to 100,000 cu ft. is $50.00. 100,000+ cu ft. at $.50/per thousand cu ft.
(F)	**Moving Permit**	The moving of any building or structure shall be $100.00, plus Site Inspection Charge provided if the structure remains in the City limits.
(G)	**Late Fee/Stop Work Orders**	Where work for which a permit is required by this Code, is started or proceeded with, prior to obtaining said permit, the fees herein specified shall be doubled with minimum being $100.00.
(H)	**Energy related plan review**	Plan review fee $50.00 ~~Inspection fee for 3 inspections $75.00~~

(I)	**Re-inspection Fee (*1st visit*)**	$50.00
	Re-inspection Fee (*2 or more visits to same property for same violation)*	$200.00

SECTION 3. It is hereby declared to be the intention of the City Council that the sections, paragraphs, sentences, clauses and phrases of this Ordinance are severable and, if any phrase, clause, sentence, paragraph or section of this Ordinance should be declared invalid by the final judgment or decree of any court of competent jurisdiction, such invalidity shall not affect any of the remaining phrases, clauses, sentences, paragraphs and sections of this Ordinance.

SECTION 4. All Ordinances or parts thereof in conflict herewith are repealed to the extent of such conflict only.

SECTION 5. In accordance with the provisions of Sections 12 and 13 of Article II of the City Charter this Ordinance has been publicly available in the office of the City Secretary for not less than 72 hours prior to its adoption; that this Ordinance may be read and published by descriptive caption only.

SECTION 6. This Ordinance shall be and become effective from and after its adoption and publication in accordance with the provisions of the Charter of the City of Galveston.

APPROVED AS TO FORM:

_____
DONNA M. FAIRWEATHER
ASSISTANT CITY ATTORNEY

I, Janelle Williams, Secretary of the City Council of the City of Galveston, do hereby certify that the foregoing is a true and correct copy of an Ordinance adopted by the City Council of the City of Galveston at its Regular meeting held on October 17, 2019, as the same appears in records of this office.

IN TESTIMONY WHEREOF, I subscribe my name hereto officially under the corporate seal of the City of Galveston this _____ day of _____, 2019.

_____
Secretary for the City Council
of the City of Galveston

CITY OF GALVESTON - BUILDING DIVISION
P.O. Box 779
Galveston, Texas 77553
Phone: 409-797-3660
Email: planningcounter@galvestonTX.gov

To: City Council

From: Todd Sukup, Assistant Director of Development Services

Date: 7/10/2019

Re: Staff Report – Permit fee changes for compliance with State law

House bill 852 was signed by the governor on May 21st and made effective immediately. The bill prohibits cities from determining permit fees for residential dwellings based on the value of the dwelling or the cost of constructing or improving the dwelling. The bill also prohibits municipalities from requiring the disclosure of information related to the value of or the cost of constructing or improving a dwelling as a condition of obtaining a permit except as required by FEMA for participation in the NFIP.

Most permit fees collected by the city of Galveston already conform to State law. However, the following fees are affected by the change and must be modified:

Residential Remodels
Residential Additions
Residential Roofs
Residential Windows

Staff recommends adoption of the following fees to comply with state law:

Description	**Fee**
Building Permit - Additions	$.40 / square foot
Plan Review- Additions	$.20/ square foot

(This covers building, planning, engineering, coordinator review, administrative fees and inspections. Repetitive failures require $50 re-inspection fee)

Roof Permit $150
(This covers planning, fire marshal review, administrative fees and if necessary, 1st time inspection. Re-inspections require $50 re-inspection fee.)

Accessory Structure Permit $150
(This covers planning, fire marshal review, administrative fees and if necessary, 1st time inspection. Re-inspections require $50 re-inspection fee.)

Windows $150
(This covers planning review, fire review, engineering review, building review, administrative fees and inspection. Re-inspections require $50 re-inspection fee.)

Building Permit – Remodel interior $250
(This covers building review, MEP review, planning (simple review), engineering review, coordinator review, administrative fees, required 1st time inspections. Re-inspections require $50 re-inspection fee.)

Building Permit – Remodel Exterior $300
(This covers building review, MEP review, planning (comprehensive review), engineering review, coordinator review, administrative fees, required 1st time inspections. Re-inspections require $50 re-inspection fee.)

Remodel permits 2018: 902 permits for $119,842. (15% of total permit fees)	average =	$133 per permit
Total permit fees 2018:	$791,739	
Total cost of review/permits/ inspections FY 2019 =	$1,969,370	
Total cost of review/ permits/ inspections FY 2019 (remodels only) =	$295,405	
Total cost to recover per permit	average=	$327 per permit

The modification proposed would comply with State law.

In conclusion, the current change proposal is intended to bring the city into compliance with state law. Data collected in the following months will allow staff to perform cost-recovery analysis as part of a larger review of the entire permit fee structure.

ORDINANCE NO. 19- _____

AN ORDINANCE OF THE CITY OF GALVESTON, TEXAS, AMENDING THE CODE OF THE CITY OF GALVESTON, AS AMENDED, CHAPTER 1, "GENERAL PROVISIONS" TO AMEND, UPDATE REGULATIONS, STANDARDS, AND DEFINITIONS; TO MAKE CLARIFICATIONS, RENAME, RENUMBER AND REARRANGE THE CHAPTER AS APPLICABLE; PROVIDING FOR PENALTIES AS APPLICABLE; MAKING VARIOUS FINDINGS AND PROVISIONS RELATED TO THE SUBJECT; PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the Galveston City Council seeks to promote the public health, safety, morals and general welfare of the municipality and the safe, orderly, and healthful development of the municipality; and,

WHEREAS, staff has reviewed various chapters of the City Code. Staff has made recommendations in order to update rules, regulations, standards and procedures and make clarifications, and modifications, as applicable to the Chapter in furtherance of promoting the public health, safety, morals and general welfare of the municipality and the safe, orderly, and healthful development of the municipality; and,

WHEREAS, the City Council deems it in the public's interest to amend Chapter 1, "General Provisions, of "The Code of The City of Galveston 1982, as amended," as provided below.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF GALVESTON, TEXAS:

SECTION 1. The findings and recitations set out in the preamble to this Ordinance are found to be true and correct and they are hereby adopted by the City Council and made a part hereof for all purposes.

SECTION 2. Chapter 1, "General Provisions" of "The Code of The City of Galveston 1982, as amended," is amended to provide as follows:

Chapter 1. General Provisions

***

Sec. 1-2. - Terms construed.

In the construction of this Code, and of all ordinances and resolutions passed by the City Council, the rules and definitions set out in this section shall be observed, unless such construction would be inconsistent with the manifest intent of the city council. The rules of construction and definitions set out herein shall not be applied to any section of this Code which shall contain any express provisions excluding such construction, or where the subject matter or context of such section may be repugnant thereto.

Generally. All general provisions, terms, phrases and expressions contained in this Code shall be liberally construed in order that the true intent and meaning of the city council may be fully carried out.

In the interpretation and application of any provisions of this Code, they shall be held to be the minimum requirements adopted for the promotion of the public health, safety, comfort, convenience and general welfare. Where any provision of the Code imposes greater restrictions upon the subject matter than another more general provision imposed by the Code or other law, the provision imposing the greater restriction or regulation shall be deemed to be controlling.

Citation. An ordinance violation notice and notice to appear before the city municipal court of record, as provided for in this article.

City. The words "the city" shall mean the City of Galveston, in the County of Galveston and State of Texas.

City Auditor, City Attorney, City Manager, the City secretary, or their designees. The words *"City Auditor", "City Attorney", "City Manager", "City secretary"* or their designees shall be construed to mean the *City Auditor, City Attorney, City Manager, the City secretary, or their designees*, respectively of the City of Galveston.

~~*City secretary, city manager or other officers.* The words "city secretary", "city manager" or other city officers or departments shall be construed to mean the city secretary, chief of police or such other municipal officers or departments respectively of the City of Galveston, Texas.~~

Code. The term "code" shall mean The Code of the City of Galveston, 1982, as designated in section 1-1 above.

~~Gender. A word importing the masculine gender only shall extend and be applied to females and to firms, partnerships and corporations as well as to males.~~

***

~~*Residency.* Domicile, one's home and fixed place of habitation to which the person intends to return after any temporary absence.~~

Residency. A principal physical residence of not less than one (1) year. For the purposes of this section, a person must meet all of the following to meet the requirement for a "principal physical residence", if applicable:

a. The person must use the residence address for voter registration and driver's license or identification purposes;

b. The person must use the residence address as the person's home address on documents such as employment records, resumes, business cards, government forms, and loan applications;

c. The person must not claim a homestead exemption on any property other than the principal physical residence.

***

Sec. 1-7. - Compliance with Code required.

(a) *General penalty for violation.* Whenever in this Code or in any ordinance of the city an act is prohibited or is made or declared to be unlawful or an offense or a misdemeanor, or wherever in such Code or ordinance the doing of any act is required or the failure to do any act is declared to be unlawful, where no specific penalty is provided therefor, the violation of any such provision of this Code or any such ordinance shall be punished by a fine not exceeding five hundred dollars ($500.00); provided, however, the maximum penalty for offenses arising under such Code or ordinance of the city governing fire safety, zoning, public health and sanitation, including the dumping of refuse, and vegetation and litter violations shall not exceed the sum of two thousand dollars ($2,000.00); provided further, that if such maximum penalty provided for by this Code or any such offense is greater than the maximum penalty provided for the same or a similar offense under the laws of the state, then the maximum penalty for the violation as provided by state statute shall be the maximum penalty under this Code. Each day any violation of this Code or of any ordinance shall continue shall constitute a separate offense.

***

~~Sec. 1-9. - Code enforcement citations in criminal enforcement.~~ Reserved.

~~(a) *Construction, administration and relation to related laws.* The authority, responsibility and duties of peace officers to issue citations, pursuant to Article 14.06(d) of the Code of Criminal Procedure, and/or Section 543.003 of the Transportation Code, is not obviated or in any way eliminated by the provisions of this section.~~

~~A citation issued pursuant to this section does not relate to the issuance of a citation by a peace officer pursuant to Article 14.06(d) of the Code of Criminal Procedure, or Section 543.003 of the Transportation Code.~~

~~(b) *Authority to issue citations.* Pursuant to this section, and the scope of their assigned duties, a citation may be issued by any of the following individuals:~~

~~(1) Code compliance officer/certified code enforcement officer—Certified pursuant to the Texas Department of State Health Services and registered with the Texas Occupational Code.~~

~~(2) Certified building official—Certified pursuant to the International Code Council.~~

~~(3) Certified building inspector—Certified pursuant to the International Code Council.~~

~~(4) Plumbing inspector—Pursuant to Texas Occupations Code, Title 8 Subchapter J, Section 1301.502 (Texas Plumbing License Law).~~

~~(5) Animal control officer—Certified pursuant to the Texas Department of State Health Services of the Texas Health and Safety Code, Chapter 829.~~

~~(6) Sanitation officer—Certified pursuant to the Texas Department of State Health Services and registered with the Texas Occupational Code.~~

(c) *Scope of duties.* Pursuant to their authority, the following shall issue citations within the enforcement parameters and provisions enumerated below:

(1) Code compliance officer/certified code enforcement officer pursuant to:

- Chapter 10 "Dangerous Building Code".
- Chapter 23 "Nuisances".
- International Building Code, as adopted.
- International Property Maintenance Code, as adopted.

(2) Certified building official pursuant to:

- Chapter 10 "Dangerous Building Code".
- Chapter 23 "Nuisances".
- International Building Code, as adopted.
- International Property Maintenance Code, as adopted.

(3) Certified building inspector pursuant to:

- Chapter 10 "Dangerous Building Code".
- Chapter 23 "Nuisances".
- International Building Code, as adopted.
- International Property Maintenance Code, as adopted.

(4) Plumbing inspector pursuant to:

- Texas Occupations Code, Title 8 Subchapter J, Section 1301.502 (Texas Plumbing License Law).
- Chapter 30 "Plumbing and Gas", in accordance with the Texas Plumbing License Law.

(5) Animal control officer pursuant to:

- Chapter 7 "Animals and Fowl".

(6) Sanitation officer pursuant to:

- Chapter 15 "Garbage and Trash".
- Chapter 20 "Litter".

(d) *Form and content of citation.* A citation issued under this section must be in a form approved by the municipal court clerk that includes; but is not limited to, the following information:

(1) The name, address, date of birth, or driver's license number and physical description, and telephone number of the person cited;

(2) The offense for which the person is charged;

(3) The date and location of the offense;

(4) An appearance date;

(5) A statement requiring the person receiving the citation to appear at municipal court on or before the appearance date indicated on the citation;

(6) A statement of the person's promise to respond to the citation, pursuant to Article 27.14 of the Code of Criminal Procedure, as amended, by the appearance date indicated on the citation, including a place for the person cited to provide the person's signature; and

(7) The signature of the person issuing the citation.

(e) *Pleading subsequent to the issuance of a citation.*

(1) All pleas arising from the issuance of a citation under this section shall be made pursuant to Article 27.14 of the Code of Criminal Procedure, as amended.

(2) Refusal of the person cited to sign a citation issued under this section shall in no way effect the validity of the issued citation.

(f) *Related offenses and penalty.*

(1) *Ordinance violation of promise to appear.* A person issued a citation, as authorized by this section, commits an offense if the person fails to appear or fails to enter a plea pursuant to subsection (e) on or before the appearance date indicated on the citation.

(2) *Interference or obstruction of issuance.* A person commits an offense if the person interferes with or obstructs the issuance of a citation under this section.

(3) *Providing false or fictitious name.* A person commits an offense if the person gives a false or fictitious name, address, or other information to an individual authorized to issue a citation under this section.

(g) *Penalty.* A violation under this section is a Class C misdemeanor offense punishable upon conviction by a fine not to exceed five hundred dollars ($500.00) per offense. Each day shall constitute a separate offense.

Pursuant to state law and this Code, the maximum penalty for offenses arising under such code or ordinance of the city governing fire safety, zoning, public health and sanitation, shall not exceed the sum of two thousand dollars ($2,000.00).

If such maximum penalty provided for by this Code or any such offense is greater than the maximum penalty provided for the same or a similar offense under the laws of the state, then the maximum penalty for violation as provided by state statute shall be the maximum penalty under this Code.

Penalties provided for are in addition to any other enforcement remedies that the city may have under city ordinances and state law.

SECTION 3. It is hereby declared to be the intention of the City Council that the sections, paragraphs, sentences, clauses and phrases of this Ordinance are severable and, if any phrase, clause, sentence, paragraph or section of this Ordinance should be declared invalid by the final judgment or decree of any court of competent jurisdiction, such invalidity shall not affect any of the remaining phrases, clauses, sentences, paragraphs and sections of this Ordinance.

SECTION 4. All Ordinances or parts thereof in conflict herewith are repealed to the extent of such conflict only.

SECTION 5. In accordance with the provisions of Sections 12 and 13 of Article II of the City Charter this Ordinance has been publicly available in the office of the City Secretary for not less than 72 hours prior to its adoption; that this Ordinance may be read and published by descriptive caption only.

SECTION 6. This Ordinance shall be and become effective on, from and after its adoption and publication in accordance with the provisions of the Charter of the City of Galveston.

APPROVED AS TO FORM:

_____
DONNA M. FAIRWEATHER
ASSISTANT CITY ATTORNEY

I, Janelle Williams, Secretary of the City Council of the City of Galveston, do hereby certify that the foregoing is a true and correct copy of an Ordinance adopted by the City Council of the City of Galveston at its regular meeting held on October 17, 2019, as the same appears in records of this office.

IN TESTIMONY WHEREOF, I subscribe my name hereto officially under the corporate seal of the City of Galveston this _____ day of _____, 2019.

_____
Secretary for the City Council
Of the City of Galveston

ORDINANCE NO. 19- _____

AN ORDINANCE OF THE CITY OF GALVESTON, TEXAS, AMENDING THE CODE OF THE CITY OF GALVESTON, AS AMENDED, CHAPTER 3, "AIRPORTS" TO AMEND, UPDATE REGULATIONS, STANDARDS, AND DEFINITIONS; TO MAKE CLARIFICATIONS, RENAME, RENUMBER AND REARRANGE THE CHAPTER AS APPLICABLE; PROVIDING FOR PENALTIES AS APPLICABLE; MAKING VARIOUS FINDINGS AND PROVISIONS RELATED TO THE SUBJECT; PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the Galveston City Council seeks to promote the public health, safety, morals and general welfare of the municipality and the safe, orderly, and healthful development of the municipality; and,

WHEREAS, staff has reviewed various Chapters of the City Code. Staff has made recommendations in order to update regulations, standards and procedures and make clarifications, and modifications, as applicable to the Chapter in furtherance of promoting the public health, safety, morals and general welfare of the municipality and the safe, orderly, and healthful development of the municipality; and,

WHEREAS, the City Council deems it in the public's interest to amend Chapter 3, "Airports", of "The Code of The City of Galveston 1982, as amended," as provided below.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF GALVESTON, TEXAS:

SECTION 1. The findings and recitations set out in the preamble to this Ordinance are found to be true and correct and they are hereby adopted by the City Council and made a part hereof for all purposes.

SECTION 2. Chapter 3, "Airports" of "The Code of The City of Galveston 1982, as amended," is amended to provide as follows:

Chapter 3 - AIRPORTS[1]

Footnotes:

Editor's note— Ord. No. 82-101, § 1, adopted Dec. 16, 1982, repealed former Ch. 3, "Airports and Aviation," §§ 3-1—3-11, as derived from Ord. No. 82-6, adopted Jan. 14, 1982. ~~The city has entered into a contract with Pan Am World Services, Inc., for the operation of Galveston Municipal Airport~~.

ARTICLE I. - IN GENERAL

Sec. 3-1. - Authority of ~~city attorney~~ City Attorney.

Upon the recommendation of the City Manager, or his designee, the City Attorney is hereby authorized to take all action necessary, including the filing of suit as the City Attorney, in his discretion, deems necessary to enforce tenancies at the ~~Galveston Municipal~~ Scholes International Airport (Scholes Field). ~~The City Attorney shall promptly report all actions taken pursuant to this section to the City Council.~~

Sec. 3-2. - Authority of City Council.

City Council shall have the authority to authorize the City Manager to enter into a separate written agreement with a promoter or sponsor of an air show or fly-in, in which provisions of this chapter shall not apply.

Sec. 3-3. - Authority of City Manager.

Upon final approval by the ~~city attorney~~ City Attorney, the City Manager is authorized to execute leases of real property located at ~~Galveston~~ Scholes International Airport, if the term of the lease does not exceed three (3) years, inclusive of all options, renewals and extensions, and if the lease is at or greater than fair market value. If the lease is less than fair market value, the City Manager shall obtain City Council approval prior to executing such lease.

~~**Secs. 3-4—3-20. - Reserved**~~.

Sec. 3-4. – Authority of Airport Director.

The Airport Director is authorized to enforce these regulations as required to assure the convenience and safety of the traveling public and others using the Airport for transportation purposes. The Director may prohibit use of the Airport or any part thereof by any person in violation of these rules and regulations and may use any legal remedy or recourse to aid the enforcement of the provisions contained in these rules and regulations.

Secs. 3-5—3-20. - Reserved.

ARTICLE II. - FLY-INS/AIR SHOWS

Sec. 3-21. - Definitions.

As used in this article, the following terms shall have the meanings respectively ascribed to them in this section:

Fly-in/Air Show and *event* mean any form of entertainment provided by flying exhibitions, airplane races, or airplane exhibits where admission is charged to the public, if the event will require use of Airport property not under lease to the promoter for parking, aircraft staging, exhibits, racing or exhibitions.

Promoter means any person who attempts to organize, promote or solicit funds for the organization or promotion of a fly-in/air show.

Sec. 3-22. - Prohibited acts.

(a) No person may act as a promoter of a fly-in/air show in the city without first having registered with the City Manager.

(b) No person may direct or control or participate in the direction or control of a fly-in/air show unless a valid permit for the event has been issued as provided in this article.

Sec. 3-23. - Registration of promoters.

(a) A promoter of a fly-in/air show shall register with the City Manager.

(b) The registration form must include:

(1) The name and address of the promoter;

(2) The names and addresses of the promoter's associates and employees who are assisting in the promotion of the fly-in/air show; and

(3) A statement as to whether or not the promoter or any of his associates or employees have ever been convicted of any crime involving the misappropriation of funds, theft, burglary, or robbery.

(c) A registration fee of fifty dollars ($50.00) must be submitted with the registration form.

(d) The application must be verified by the promoter and be based on his best information and belief.

Sec. 3-24. - Application for permit.

(a) A promoter desiring to hold a fly-in/air show in the city shall file a permit application with the City Manager.

(b) The application must be filed at least sixty (60) days before the day the event is to be held.

(c) The application must include:

(1) The name and address of the promoter and the names and addresses of all associates and employees of the promoter assisting in the promotion of the event;

(2) A financial statement of the promoter and a statement specifying from whom capital for the event is being supplied;

(3) A description of the place where the event is to be held;

(4) A signed agreement with the ~~airport director~~ Airport Director for the use of airport property for parking and staging area for aircraft;

(5) The dates and times that the event is to be held;

(6) A description of the plans to keep all vehicular traffic out of the staging area for aircraft;

(7) A description of the plans for a representative of a fixed base operator to greet each arriving aircraft to make arrangements for fueling;

(8) Proof that a discreet frequency for ground control of all aircraft has been received;

(9) A full and complete statement describing the promoter's preparations for the event to comply with the minimum standards of sanitation and health as prescribed by Texas Health and Safety Code, Chapter 341 and local ordinances, as amended;

(10) A description of plans to place lighted barricades between the apron space east of the taxiway, furnished by the city;

(11) Plans that provide an area where aircraft will be towed before starting of the aircraft;

(12) Proof of liability insurance in an amount satisfactory to the City's Risk Manager, naming the city as an additional insured.

(d) The application for the permit must be verified by the promoter and be based on his best information and belief.

(e) A filing fee of fifty dollars ($50.00) must be submitted with the application for a permit.

Sec. 3-25. - Reports.

(a) On the filing of an application for a permit, the City Manager shall forward a copy of the application to the ~~City Health Officer~~, the Chief of Police, the Fire Chief and the Airport Director. ~~director of the municipal airport~~.

~~(b) The City Health Officer shall make a written report to the City Council. The report shall state whether or not the City Health Officer believes that the preparations described in the application would, if carried out, be sufficient to protect the community and the persons attending the fly-in/air show from health dangers and to avoid violations of the Texas Health and Safety Code, Chapter 341, as amended, and local ordinances~~.

The Chief of Police shall make a written report to the City Council. The report shall state whether or not the Chief of Police believes that the preparations described in the application would, if carried out, be sufficient to provide sufficient parking, to assure the orderly flow of traffic, and to provide adequate security for the safety of the community and the persons attending the event.

The ~~fire chief~~ Fire Chief shall make a written report to the City Council. The report shall state whether or not the ~~fire chief~~ Fire Chief believes that the preparations described in the application would, if carried out, be in accordance with ~~FAA regulations~~, all local and state fire codes, as well as local ordinances, to provide adequate safety of the premises, community and the persons attending the event.

The Airport Director ~~manager of the municipal airport~~ shall make a written report to the City Council. The report shall state whether or not the Airport Director ~~manager of the municipal airport~~ believes that the preparations and plans described in the application would, if carried out, be sufficient to comply with FAA Rules and Regulations and

provide for the safe conduct of the operations at the ~~municipal airport~~ Airport during the event.

(c) The reports of the city officials shall be filed with the City Manager no later than two (2) days before the day of the hearing on the permit application.

(d) The city officials shall be present at the hearing on the permit application and may be called to testify by any person having an interest in the permit.

Sec. 3-26. - Hearing.

(a) The City Council shall set a date and time for a hearing on the application for a permit. The application must be on file with the city at least fifteen (15) days before City Council shall conduct a hearing and the hearing must be held no later than thirty (30) days before the first day of the event.

(b) The promoter is entitled to ten (10) days' notice prior to the day of hearing.

(c) Any person may appear at the hearing and give testimony for or against the granting of the permit.

Sec. 3-27. - Denial of permit; grounds.

(a) A permit for a fly-in/air show shall be granted to an applicant by the City Council unless the council finds from a preponderance of the evidence presented at the hearing that:

(1) False or misleading information is contained in the application or required information is omitted;

(2) The promoter does not have sufficient financial backing or stability to carry out the preparations specified in the application or to ensure the faithful performance of his agreements;

(3) The preparations specified in the application are insufficient to protect the community or the persons attending the event from health dangers or to avoid violations of the Texas Health and Safety Code, Chapter 341, and local ordinances;

(4) The times and place for the event create a substantial danger of congestion and disruption of other lawful activities in the immediate vicinity of the event;

(5) The plans do not provide for the safe conduct of operations at the ~~municipal airport~~ Airport;

(6) The plans do not provide for adequate parking at the event;

(7) The plans do not provide for adequate security to provide for the safety of the community or persons in attendance at the event;

(8) The plans do not comply with FAA Rules and Regulations;

(9) The plans do not provide adequately for the removal of litter and waste from the event site; and

(10) The plans do not provide that a discreet frequency to control ground traffic has been received.

(b) A finding under subsection 3-27(a) of this article requires a majority vote of the City Council.

Sec. 3-28. - Permit.

A permit, if issued, shall authorize the promoter to hold a fly-in/air show at a specified place and at specified times.

Sec. 3-29. - Revocation of permit.

(a) At any time prior to fifteen (15) days before the day of the beginning of the event, the City Council may, after reasonable notice to the promoter and a hearing, revoke the permit on a finding by a majority of the council that the preparations for the event will not be completed in time for the beginning of the event and that the failure to carry out preparations will result in a serious threat to the health of the community or the persons attending the event.

(b) A permit is irrevocable during the period between five (5) days before the day of the beginning of the event and the final day of the event.

Sec. 3-30. - Appeal.

(a) A person affected by an action of the City Council in granting, denying, or revoking a permit for a fly-in/air show may appeal by filing a petition in the district court.

(b) The action of the City Council shall be reviewed under the substantial evidence rule.

(c) An appeal under this section does not suspend any action of the City Council unless suspension is ordered by the district court.

Sec. 3-31. - Reimbursement of costs to city.

In order to reimburse the city for use of ramp area, parking area and other expenses that are incurred by the city as a result of the event, the promoter shall pay the greater of the amount set forth in an itemized statement prepared and delivered by the City Manager or his designee, or a sum equal to twenty ~~(20)~~ percent (20%) of the gross amount of admissions.

Sec. 3-32. - Penalties.

Any person who violates the provisions of section 3-22 of this article is guilty of a misdemeanor and on conviction is punishable by a fine of not more than five hundred dollars ($500.00).

ARTICLE III. - RULES AND REGULATIONS

Sec. 3-33. - Purpose.

The Scholes ~~Field~~ International Airport is owned, managed, operated and maintained by the City of Galveston, Texas. The requirements for policing the Airport are necessarily distinct and different from those for other city owned property. Strict control, particularly of the air operations areas (AOA) and other working areas must be exercised, and must be based on a city ordinance to be enforceable. It is the purpose of this article to create such rules and regulations as are necessary to provide this control.

The management and administration of those portions of the Airport, to which access by the public is limited, must necessarily be the responsibility of the ~~airport manager~~ Airport Director. The ~~airport manager~~ Airport Director must have assistance available from the Galveston ~~police department~~ Police Department to process complaints of violations thereof. The policing of those areas of the Airport, open to the public for general use, will be the responsibility of the Galveston ~~police department~~ Police Department.

Areas of the Airport, to which the general public cannot be allowed free access, for reasons of public safety and interference with aircraft operations, must obviously be distinguished from those areas to which the public has unrestricted access, such as the Airport streets, public vehicular parking areas and the Airport terminal. Reference herein to certain areas to which the public has, or does not have access for general purposes, is not to be construed as limiting or qualifying the public access of the Airport.

Sec. 3-34. - Definitions.

As used in this article, the following terms shall have the meaning respectively ascribed to them in this section.

Air Operations Area (AOA) shall mean the areas of the airport used or intended to be used for landing, take-off, or surface maneuvering of aircraft. Within the AOA, are Movement and Non-Movement Areas. (See crosshatched area on Figure 1.)

Air Traffic Control (ATC) shall mean the Galveston Air Traffic Control Tower and includes the controllers on duty.

Aircraft shall mean and include any and all contrivances now or hereafter used for the navigation of or flight in air or space, including but not limited to airplanes, lighter-than-aircraft, helicopters, gliders, amphibians, seaplanes, and ultralight vehicles.

Airport shall mean ~~Galveston~~ Scholes International Airport at ~~Scholes Field~~ Galveston, also known as Scholes Field.

Airport Rules and Regulations shall mean these Rules and Regulations.

~~*Airport manager*~~ Airport Director shall mean the Scholes ~~Field airport manager~~ International Airport Director, or, in the absence of the ~~airport manager~~ Airport Director, the person acting as the ~~airport manager's~~ Airport Director's designated representative.

Charter Flights shall mean those flights, other than regularly scheduled airline service, on which passengers and/or cargo are carried for hire.

City shall mean the City of Galveston, Texas and includes employees, agents and representatives.

Commercial Aeronautical Activity shall mean the buying or selling or Leasing of any goods, products or services.

FAA shall mean the Federal Aviation Administration.

FAR shall mean Federal Aviation Regulations.

FBO shall mean any person, firm, corporation or other business entity which conducts a fixed base operation upon Scholes ~~Field~~ International Airport.

Fixed Base Operator shall mean any commercial business granted the right by the City of Galveston to operate on the Airport and provide, at the minimum, the following aeronautical services: aircraft fueling and oil dispensing services, aircraft line services, basic aircraft and engine repair services, aircraft hangar storage, and provides customary services to general aviation users, such as public restrooms, waiting lounges, conference rooms, crew lounges and flight briefing room, crew car, basic pilot supplies and charging stations for customer's electronic devices.

~~person, partnership, corporation or other business entity that sells aircraft fuels and lubricants on the airport t premises~~.

Flying Club shall mean ~~not-for-profit~~ any person, firm or cooperation engaged in ownership or lease of aircraft that provide flying services only to its ~~members hip organization consisting of six (6) or more persons, operating for the purpose of providing flight instructions for its members only and/or providing aircraft for use by its~~ members. Flying Clubs can be operated as either a non-profit or Commercial operation.

Fuel Handling shall mean the transporting, delivering, dispensing, or draining of fuel, or draining of fuel waste products.

Fuel Storage Area shall mean and include those portions of the Airport designated, either temporarily or permanently, by the ~~airport manager~~ Airport Director as areas in which gasoline, jet fuel, or any other type of fuel may be stored.

Movement Area shall mean and include all taxiways and runways and is under the jurisdiction of the control tower. Clearance from ATC is required prior to entering into the movement area.

Non-movement area shall mean and include all aircraft ramps and is not controlled by ATC, Movement in this area is permissible without clearance or communications with ATC.

NTSB shall mean the National Transportation Safety Board.

Operator shall man any person in legal or actual control of an aircraft on, or in the vicinity of Scholes ~~Field~~ International Airport.

Permission shall mean permission granted by the ~~airport manager~~ Airport Director.

Person shall mean any individual, firm, copartnership, corporation, association or company, (including but not limited to, any assignee, receiver, trustee or similar representative thereof), or the United States of America, or any foreign government, or any state or political subdivision thereof.

Public Aircraft Parking and Storage Area shall mean and include those portions of the Airport designated and made available, either temporarily or permanently, by the ~~airport manager~~ Airport Director to the public for the parking or storage of aircraft.

Public Landing Area shall mean and include those portions of the Airport including runways and taxiways designated and made available by the ~~airport manager~~ Airport Director to the public for the landing and taking off of aircraft and other areas between and adjacent to said runways and taxiways.

Public Ramps and Aprons shall mean and include those portions of the Airport designated and made available by the ~~airport manager~~ Airport Director to the public for loading or unloading of passengers or cargo on and from aircraft.

Public Vehicular Parking Area shall mean and include those portions of the Airport designated and made available by the ~~airport manager~~ Airport Director to the public for the parking of vehicles.

Skydiving Operation shall mean a person engaged in the business of providing for the purpose of, or in support of, a parachute jump or a parachute drop. This parachute operation can involve, but is not limited to, the following persons; parachutist, parachutist in command and passenger in tandem parachute operations, drop zone or owner or operator, jump master, certificated parachute rigger, or pilot.

Vehicles shall mean and include automobiles, trucks, buses, motorcycles, horse-drawn vehicles, bicycles, pushcarts, and any other device in or upon which any person or property is or may be transported, carried or drawn upon land, except aircraft.

Sec. 3-35. - Conflict in rules.

If there is a conflict between any of these Rules and Regulations and any Federal Aviation Regulation (FAR), the Federal Aviation Regulation shall prevail.

Sec. 3-36. - Airport Management.

(a) *Closing Airport.* The ~~airport manager~~ Airport Director may suspend or restrict any or all operations at the Airport whenever such action is deemed necessary in the interest of safety.

(b) *Circulation of Rules.* Copies of these Rules and Regulations shall be made available to all Airport tenants. Copies will be retained in the office of the ~~airport manager~~ Airport Director for review by anyone during normal business hours.

~~(c) *Detaining aircraft.* The airport manager shall have the authority to detain any aircraft for nonpayment of any charges due the airport for repairs or maintenance work on the aircraft.~~

(c ~~)(d~~) *Enforcement of Rules.* The enforcement of these Rules and Regulations is the responsibility of the ~~airport manager~~ Airport Director.

(d~~)(e)~~ *Enforcement.* The ~~airport manager~~ Airport Director shall have the authority to enforce the provisions of these Rules and Regulations and a violation of these Rules and Regulations will be cause for suspension of operating privileges at the Airport.

(e)~~(f)~~ *Police Powers.* Actual police power for the Airport shall be vested with the Galveston Police Department.

(f)~~(g)~~ *Safeguard of Persons and Property.* The ~~airport manager~~ Airport Director shall, at all times, have authority to take such action as may be necessary to safeguard any person, aircraft, equipment or property on the Airport.

Sec. 3-37. - Miscellaneous provisions.

(a) *General Rules.* No person in or upon the Airport shall do or omit to do any act that endangers or is likely to endanger any person or property.

(b) *Injury and Damage Reports.* The operator of any aircraft or vehicle involved in any accident causing personal injury or property damage to Airport property, or to property of others regardless of the amount of damages, shall make a prompt report of the accident to the ~~airport manager~~ Airport Director.

(c) *Lost and Found.* Any person finding a lost article on the Airport premises shall deliver it to the ~~office of the airport manager or "operations office~~" Airport Administration Office. Articles unclaimed may be returned to the finder after ninety (90) days or disposed of at the ~~airport manager~~ Airport Director's discretion.

(d) *Compliance with Federal Aviation Regulations.* No person shall fail to comply with the *Federal Aviation Regulations* promulgated by the FAA for observance by aircraft operated anywhere in the United States, and presently or hereafter effective, are hereby referred to, adopted and made a part hereof as though fully set forth and incorporated herein.

(e) *Take-Off.* All aircraft shall hold short of the runway for landing and take-off traffic before taxiing into take-off position, unless otherwise directed by ATC.

Sec. 3-38. - Ground Operations.

(a) *Vehicles and Pedestrians.*

(1) *Speed Limit.*

a. No person shall operate any vehicle on any road or driveway on the Airport in excess of twenty (20) miles per hour, or as otherwise posted. This restriction shall not apply to authorized emergency vehicles while engaged in emergency operations.

b. No person shall operate any motor vehicle, on any part of the ~~air operations area~~ AOA in excess of ten (10) miles per hour or as otherwise authorized by the ~~airport manager~~ Airport Director. The restriction shall not apply to authorized emergency vehicles while engaged in emergency operations.

c. Any law enforcement officer or the ~~airport manager~~ Airport Director may, in the event of an emergency, impose speed limits contrary to those posted or implied.

d. It shall be a defense that excessive speed was authorized by the ~~airport manager~~ Airport Director.

(2) *Blocking Traffic.* No person shall park or stop a vehicle, without permission of the ~~airport manager~~ Airport Director,

a. In front of a driveway;

b. In front of an airport access gate;

c. In a designated fire or emergency lane;

d. On the roadway side of any stopped or parked vehicle; or,

e. In other than leased or authorized areas for the purpose of washing, greasing or to make repairs except repairs necessitated by an emergency.

f. This section shall not apply to an emergency vehicle responding to an emergency.

(3) *Air Operations Area (AOA).* No vehicle shall enter the Air Operations Area non-movement area without permission from the ~~airport manager~~ Airport Director. No vehicle shall enter the movement areas without permission from ATC when the Control Tower is open, or the Airport Director, when the Control Tower is closed. This section shall not apply to authorized emergency vehicles or appropriately marked vehicles when the Control Tower is closed.

(4) *Runways.* Unless specifically approved by ATC or the ~~airport manager~~ Airport Director, when the Control Tower is closed, no vehicle may be operated on any designated landing or take-off area of the Airport. Any vehicle operating on the landing and takeoff areas shall be operated in accordance with ~~the airport security and emergency operations plan~~ FAA applicable orders and directives.

(a) The violation of section 3-38, (4), shall be punishable by a fine of not more than Five Hundred Dollars ($500.00). Each day a violation of section 3-38, (4) continues shall constitute a separate offense.

(5) *Right-of-Way.* All vehicles operating on the ~~air operations area~~ AOA shall yield the right-of-way to any and all aircraft that are in motion or that have their engines running, unless otherwise directed by ATC.

(6) *Removal of Vehicles.* The ~~airport manager~~ Airport Director may move, remove or cause to be removed, from any area of the Airport, any vehicle that is disabled, abandoned or parked in violation of these Rules and Regulations, or that presents an operational problem to any area of the Airport.

The owner and operator of the removed vehicle shall be liable for expenses incurred for removal. The City shall not be liable for any damages that may result from the removal of the vehicle.

(7) *Authorized ~~areas~~ Vehicles.* No person may operate a motor vehicle on any part of the Airport that is not specifically designated. It shall be an affirmative defense to this section that ATC or the ~~airport manager~~ Airport Director gave permission for the operation of the vehicle.

(8) *Observing Signs.* All motor vehicle operators shall observe all street signs, or other signs or markings pertinent to the operation of a motor vehicle while on

the Airport. It shall be a defense to this section that a law enforcement official or an Airport official directed the motor vehicle operator to disregard the sign(s).

(9) *Restricted Areas.* No person shall enter ~~upon the landing area, runways, taxiways, aprons, ramps, service areas or enter into those buildings, hangars or other~~ areas that are marked or posted as being `restricted', `private', `employees only', or `authorized personnel/vehicles only' except:

a. Those persons specifically authorized by the ~~airport manager~~ Airport Director when in the Non-Movement Area when the Control Tower is open;

b. Those persons specifically authorized by ATC when in the Movement Areas when the Control Tower is open or the Airport Director when the Control Tower is closed.

c~~b~~. Persons assigned to duty or transacting business therein;

d~~c~~. Passengers under appropriate supervision who are entering the public ramps and aprons for enplaning or deplaning.

(b) *Aircraft.*

(1) *Safety.* No aircraft shall be operated on any surface of the Airport:

a. In a careless or negligent manner which endangers person or property.

b. In disregard of the rights and safety of others.

c. At a speed or in a manner which endangers person or property.

d. While the operator is under the obvious influence of alcohol, or drugs whether legal or illegal.

(2) *Lights.* All aircraft being taxied, towed or otherwise moved between the hours of sunset and sunrise shall be moved with operating lights, or escorted by a lighted motor vehicle.

(3) ~~*Hangar access.* Aircraft may taxi to and from hangars located on Airport Boulevard and Commanche Street. Taxiing must be accomplished in the most expeditious manner between the hangars and the air operations area~~.

3(4) *Storage.* No aircraft may be taxied into or out of a hangar under the power of its own engine.

4(5) *Taxiways.* All aircraft will use only those areas designated as taxiways for the purpose of taxiing.

5(6) *Back-taxiing* on runways must be reported when the operator has the equipment to do so or when directed by ATC to do so.

(c) *Fire Hazards and Explosives.*

(1) Every person going upon or using the Airport or its facilities shall exercise extreme care and caution to avoid and prevent fire.

(2) No person shall smoke cigars, cigarettes, pipes or otherwise have an open flame ~~anywhere on the air operations area, or any other place~~ within fifty (50) feet of

any fuel carrier or fuel storage area or where smoking is specifically prohibited by signs~~, or any open space within fifty (50) feet of any fuel carrier or fuel storage area~~.

(3) No person shall start any open fires of any type on any part of the Airport without permission of the ~~airport manager~~ Airport Director.

(4) No person shall store, keep, handle, use, dispense or transport at, in or upon the Airport, any Class A, Class B or Class C explosives or poisons as defined by the Hazardous Material Regulations of the Department of Transportation, at any such time or place in such a manner or condition that endangers or is likely to endanger any person or property.

(5) No person shall tamper with any fire equipment, including sprinklers, sprinkler valve, or fire extinguisher at the Airport. No person shall use any fire equipment for any purpose other than fire-fighting or fire prevention. All such equipment shall be inspected and conform with the National Fire Protection Association regulations.

(6) No person shall operate any flame- or spark-producing device on any part of the Airport without permission from the ~~airport manager~~ Airport Director.

(d) *Radioactive Material.* Permission of ~~airport manager~~ Airport Director must be obtained for the movement, storage and handling of radioactive material on or upon the Airport. The ~~airport manager~~ Airport Director shall grant permission only if: (1) Such materials are packaged, marked, labeled and limited as required by the Interstate Commerce Commission (ICC), the Atomic Energy Commission, and the Federal Aviation Administration regulations; and (2) It does not create an undue hazard to persons or property. Advance notice of at least twenty-four (24) hours shall be given to the ~~airport manager~~ Airport Director to permit a full investigation and clearance for any operation requiring a waiver for the movement, storage or handling of such materials.

(e) *Hangar Entrances.* All hangar entrances shall be kept clear at all times.

(f) *Fueling.* All aircraft fueling operations shall be conducted in accordance with the National Fire Protection Association's current standards for fueling aircraft. All fuel servicing vehicles shall be designed, constructed and equipped in compliance with National Fire Protection Association standards for vehicles servicing aircraft with standard grades of aviation fuel.

Sec. 3-39. - Landing and Takeoff Rules.

(a) *Landings and departing.* Aircraft landing and departing shall comply with all FAA applicable orders and directives ~~Aircraft landing shall make the landing runway available to other aircraft as promptly as possible by clearing the runway. All aircraft shall hold their position if in the holding area. All aircraft on the runway shall clear the runway during an emergency unless otherwise directed by the FAA, or the airport manager~~.

~~(b) *Traffic patterns.* Airport management suggests that all aircraft airport manager operating into or out of the airport observe traffic patterns established by the FAA and the airport manager.~~

~~(c) *Touch-and-go.* Traffic permitting, touch-and-go landings may be made at the discretion of the pilot without prior approval of the airport manager Airport Director.~~

~~(d) *Straight-in approaches.* Straight-in approaches are permitted provided such aircraft shall give way to other aircraft already in the traffic pattern.~~

Sec. 3-40. - ~~Reserved~~. Drones/Unmanned Aircraft Systems (UAS)

(a) Prior to operating a UAS within a 5-mile radius of Scholes International Airport, individuals must be in compliance with the regulations set forth in the Federal Aviation Administration Advisory Circular No. 107, which is available for download/review at https://www.faa.gov/uas/.

Sec. 3-41. - Ultralight Vehicles.

(a) *Introduction.* All ultralight vehicles operating into and out of the Scholes ~~Field~~ International Airport shall operate in accordance with these Rules and Regulations and as directed by ATC when the Control Tower is open. The purpose of these Rules and Regulations is to provide for the safe, orderly and efficient operation of ultralight vehicles at the Airport. Any person or organization desiring to change any of these Rules and Regulations may initiate such changes or modifications by contacting the ~~airport manager~~ Airport Director.

(b) *Applicability.* The ultralight vehicles that operate into and out of the Airport and meet the definition of an ultralight vehicle as defined in FAR Part 103 (14 CFR 103) shall be subject to these Rules and Regulations.

(c) *Registration.* Before operating an ultralight vehicle at the Airport, the operator shall register with the ~~airport manager~~ Airport Director.

(d) *Operations.* All flight operations shall be in accordance with FAR Part 103. ~~All operations within Scholes Field control zone shall be conducted in accordance with an approved letter of agreement between the FAA Houston intercontinental tower and the Airport authority~~. All operations conducted in the Scholes ~~Field control zone~~ International Airport air space shall be conducted at or below an altitude of eight hundred (800) feet aboveground level (AGL).

(e) *Safety.* Unsafe or potentially unsafe practices shall be reported to the ~~airport manager~~ Airport Director when they occur. Ultralight vehicle accidents occurring on or within two (2) miles of the airport shall be reported in writing to the FAA approved AOPA Safety Foundation and the ~~airport manager~~ Airport Director within twenty-four (24) hours of the occurrence.

Sec. 3-42. - General Provisions.

(a) *Garbage Disposal.* No person shall place, discharge, or deposit in any manner, garbage or any refuse in or upon any part of the Airport, except at such places and in

such containers specifically designated and marked for such purpose and under such conditions as the ~~airport manager~~ Airport Director may from time to time prescribe.

(b) *Solicitation and Advertising.* No person shall solicit funds, erect signs, advertise, distribute or post circulars on any part of the Airport without written permission from the ~~airport manager~~ Airport Director.

(c) *Building Restriction Line (BRL).* No structures may be erected beyond the ~~building restriction line~~ (BRL) or in conflict with the approved Airport Layout Plan. Furthermore, all structures must comply with the City building codes and Airport Zoning and Land Use.

(d) *Subleasing.* Leased property on the Airport may be subleased by the Lessee only in accordance with Lessee's lease.

(e) *Lease of Airport Property.* City-owned, airport hangars, buildings and other property may be leased to individuals, companies or corporations for a term and fee as approved by the City. The conditions of the term and fee will be made a part of said lease.

(f) *Entry upon Airport.* All persons entering upon Airport property shall comply with the Rules and Regulations set forth herein. Unless specifically stated, no culpable mental state shall be required as an element of a violation of these Rules and Regulations.

(g) *Unauthorized Signs and Houses.* No signs, permanent or portable, mobile homes or portable buildings or house trailers may be erected, moved in or installed on the Airport property except as may be specifically authorized by the ~~airport manager~~ Airport Director.

(h) *Commercial Activity.* No person shall carry on any commercial activity on the Airport without permission from the Airport Director.

(i) *Photography.* No ~~airport manager~~ Airport Director commercial photography shall be permitted on the Airport without permission from the ~~airport manager~~ Airport Director.

(j) *Storage of Cargo or Other Property.* No person shall use any area of the Airport for the storage of cargo or other property without the permission of the ~~airport manager~~ Airport Director. The ~~airport manager~~ Airport Director may move or cause to be moved, any such cargo or property at the expense of the owner and with no liability to the City or its agent or employees for damages resulting from such removal. This section shall not apply to a lessee using property described by a signed lease agreement.

(k) *Parachute Activity.* No person, except in an emergency, shall descend by parachute and land upon the Airport without permission from the ~~airport manager~~ Airport Director and ATC when the Control Tower is open.

(l) *Release of Property.* No person shall disturb, move or remove any aircraft parts or other equipment found on the Airport or as a result of an accident until release of the aircraft or parts thereof by the NTSB or the FAA or the ~~airport manager~~ Airport Director.

(m) *Disabled aircraft.* Except as provided in paragraph (l) of this section, no aircraft owner, the owner's operators and agents shall fail to promptly remove from the ~~air operations area~~ AOA of the Airport, under the direction of the ~~airport manager~~ Airport Director the owner's disabled or wrecked aircraft. In the event of failure to do so, the ~~airport manager~~ Airport Director may move or cause to be removed, said aircraft at the expense of the owner with no liability to the City, its agents or employees for damages resulting from said removal.

(n) *Aircraft repair.* There shall be no ~~No~~ ~~cleaning of or other maintaining~~ maintenance of an aircraft outside of its leasehold, or designated FBO maintenance hangars without the prior approval of the Airport Director. Used oil, and other chemical residue, shall be disposed of in accordance to current EPA directives.

(o) *Fixed Base Operations.* No fixed base operations shall be conducted at the Airport except pursuant to a written lease agreement with the City, approved by City Council.

(p) *Terminal Operations.* No service shall be offered to the public in the terminal except from a counter, office, or other facility approved by the ~~airport manager~~ Airport Director suitable for the activity stated.

(q) *Flying Club.* No flying club shall be conducted on the Airport without the consent, in writing, of the ~~airport manager~~ Airport Director.

(r) *Agricultural Operations.* No agricultural spraying operations conducted on the Airport will be conducted except in accordance with procedures approved by the ~~airport manager~~ Airport Director.

(s) *Entry into Air Operations Area (AOA).* No person shall enter the ~~air operations area~~ *AOA* of the Airport, either on foot or by vehicle without permission. Any person so entering does so at their own risk and with no liability to the City, or its agents or employees for injury or damage to person or property.

(t) *Debris.* No debris of any kind shall be left or otherwise deposited upon the surface of the ~~air operations area~~ *AOA* of the Airport.

(u) *Damage to* Airport. No person shall cause damage of any kind to the Airport whether through violation of these rules or through vandalism, or through any intentional act. Any person causing damage shall be liable therefor to said City of Galveston for such damages.

(v) *Interference with Aircraft.* No person shall interfere or tamper with any aircraft or its parts, or start the engine of any aircraft at the Airport without the consent of the owner or operator of said aircraft.

(w) *Radio Interference.* No person shall operate equipment, radios or other devices on the Airport that interferes with aircraft radio communications or any navigational aid.

~~(x) *Landing fees.*~~

~~(1) Any person or entity landing a helicopter at Galveston International airport shall pay a landing fee. The landing fee shall be twenty dollars ($20.00) for all~~

~~helicopters under ten thousand (10,000) pounds and forty dollars ($40.00) for all helicopters ten thousand (10,000) pounds and over. The airport manager shall be responsible for billing and collecting such fees and shall promptly deposit the funds with the city as directed by the director of finance. The airport manager shall submit to the city manager a monthly report of landing fees billed and collected. Any entity that fails to pay the landing fees or becomes delinquent in payment of invoiced fees, shall be prohibited from making further landings at the airport, except for emergency landings.~~

~~(2) Exceptions: Any entity that, for a minimum monthly rental of one hundred dollars ($100.00), rents airport office space, counter space, or other facility, shall be exempt from the landing fees. A person or entity landing a helicopter of a government agency or helicopter used for medical emergencies, shall be exempt from the landing fees.~~

Sec. 3-43. - Penalties.

(a) Any person violating any of these Rules and Regulations in sections 3-38, 3-41 and 3-42 shall be deemed guilty of a misdemeanor and shall, upon conviction thereof, be subject to a fine in any amount not to exceed Five Hundred Dollars ($500.00).

(b) Each day a violation continues to exist shall constitute a separate offense.

(c) Any person violating any provision of the Texas Penal Code, Highway Vehicle Code, or any other applicable state or federal regulation as it may apply to activities on the Airport is subject to punitive action either locally or on a federal or state level.

Sec. 3-44. ~~– Emergency Response procedures.~~ Reserved.

~~The emergency response procedures are not set out herein but are on file and available for inspection in the office of the city secretary.~~

Sec. 3-45. ~~- Security plan.~~ Reserved.

~~The security plan is not set out herein but is on file and available for inspection in the office of the city secretary.~~

Sec. 3-46. – Fixed Base Operations.

(a) No person shall operate as a fixed base operator, unless such person has met and agrees to abide by the most current "Airport Minimum Operating Standards". ~~"Minimum Standards for Fixed Base Operators, 1997"~~ and approved by City Council. ~~except as provided. However,~~ This provision shall not apply during fuel emergencies, as determined by the City Manager, or designee as set forth in subsection (g) below.

(b) The "Airport Minimum Operating Standards" ~~"Minimum Standards for Fixed Base Operators, 1997"~~ shall be available in the office of the City Secretary and office of the ~~airport manager~~ Airport Director during normal business hours. The "Airport Minimum Operating Standards" ~~"Minimum Standards for Fixed Base Operators, 1997"~~ may be amended or modified only by City Council approval.

(c) In addition to selling fuel and lubricants, a fixed base operator shall perform the mandatory operations as stated in the ”Airport Minimum Operating Standards” ~~"Minimum Standards for Fixed Base Operators, 1997," including but not limited to: airframe, power plant, and accessory repair, and operation of a ground frequency~~ aircraft line services, major aircraft repair services, aircraft storage, sale of aircraft parts and accessories and provision of customary services to general aviation users, such as public restrooms, waiting lounges, conference rooms, crew lounges and flight planning services.

(d) A fixed base operator may also perform any and all of the General Aviation Specialty Services as outline ~~following optional services as stated~~ in the “Airport Minimum Operating Standards” ~~"Minimum Standards for Fixed Base Operators, 1997,"~~ including but not limited to: air taxi and charter; radio, instrument and propeller repair; flight training; aircraft rental; aircraft sales; and operation of a flying club. If a fixed base operator performs any of these optional services, the fixed base operator shall meet and abide by the guidelines and requirements for that optional service as stated in the “Airport Minimum Operating Standards” ~~"Minimum Standards for Fixed Base Operators, 1997."~~

(e) If a person or entity that is not a fixed base operator performs any of these optional services, that person or entity shall meet and abide by the guidelines and requirements for that optional service as stated in the “Airport Minimum Operating Standards” ~~"Minimum Standards for Fixed Base Operators, 1997~~."

(f) The violation of this section ~~3-46~~ shall be punishable by a fine of not more than Five Hundred Dollars ($500.00). Each day a violation of this section ~~3-46~~ continues shall constitute a separate offense.

(g) A fuel emergency shall mean there is no fixed base operator to provide fuel, or the approved fixed base operator is unable or unwilling to sell fuel at a regular and consistent volume to satisfy normal demands of Airport patrons. During a fuel emergency, the City Manager, or designee, may authorize the City or one or more Airport tenants to provide fuel to Airport t patrons for a period not to exceed ninety (90) days. During such emergency, the City Manager, or designee, may waive one (1) or more requirements set forth in the “Airport Minimum Operating Standards” "~~Minimum Standards for Fixed Base Operators, 1997.~~" The City Manager, or designee, may prescribe conditions, including but not limited to, the type and amounts of insurance coverage, and payment of fuel flowage fees to the city. The City Manager, shall report the emergency to the City Council at the next regular meeting of the City Council. City Council may extend the fuel emergency for a period beyond ninety (90) days. All decisions by the City Manager and City Council shall be final.

SECTION 3. It is hereby declared to be the intention of the City Council that the sections, paragraphs, sentences, clauses and phrases of this Ordinance are severable and, if any phrase, clause, sentence, paragraph or section of this Ordinance should be declared invalid by the final judgment or decree of any court of competent jurisdiction, such

invalidity shall not affect any of the remaining phrases, clauses, sentences, paragraphs and sections of this Ordinance.

SECTION 4. All Ordinances or parts thereof in conflict herewith are repealed to the extent of such conflict only.

SECTION 5. In accordance with the provisions of Sections 12 and 13 of Article II of the City Charter this Ordinance has been publicly available in the office of the City Secretary for not less than 72 hours prior to its adoption; that this Ordinance may be read and published by descriptive caption only.

SECTION 6. This Ordinance shall be and become effective on _____, 20__, from and after its adoption and publication in accordance with the provisions of the Charter of the City of Galveston.

APPROVED AS TO FORM:

_____
DONNA M. FAIRWEATHER
ASSISTANT CITY ATTORNEY

I, Janelle Williams, Secretary of the City Council of the City of Galveston, do hereby certify that the foregoing is a true and correct copy of an Ordinance adopted by the City Council of the City of Galveston at its regular meeting held on _____, 2019, as the same appears in records of this office.

IN TESTIMONY WHEREOF, I subscribe my name hereto officially under the corporate seal of the City of Galveston this _____ day of _____, 2019.

_____
Secretary for the City Council
Of the City of Galveston

ORDINANCE NO. 19-_____

AN ORDINANCE OF THE CITY OF GALVESTON, TEXAS, AMENDING THE CODE OF THE CITY OF GALVESTON, AS AMENDED, CHAPTER 7, "ANIMALS AND FOWL", TO AMEND, UPDATE REGULATIONS, STANDARDS, AND DEFINITIONS; TO MAKE CLARIFICATIONS, RENAME, RENUMBER AND REARRANGE THE CHAPTER AS APPLICABLE; PROVIDING FOR PENALTIES AS APPLICABLE; MAKING VARIOUS FINDINGS AND PROVISIONS RELATED TO THE SUBJECT; PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the Galveston City Council seeks to promote the public health, safety, morals and general welfare of the municipality and the safe, orderly, and healthful development of the municipality; and,

WHEREAS, staff has reviewed various Chapters of the City Code. Staff has made recommendations in order to update rules, regulations, standards and procedures and make clarifications, and modifications, as applicable to the Chapter in furtherance of promoting the public health, safety, morals and general welfare of the municipality and the safe, orderly, and healthful development of the municipality; and,

WHEREAS, the Galveston Animal Services Advisory Committee and Staff have identified a need to update and amend Chapter 7, "Article I", "Animals & Fowl", and recommends updating and amending Chapter 7, "Animals and Fowl", as provided

in section 2; and,

WHEREAS, the City Council deems it in the public's interest to amend Chapter 7, "Animals and Fowl", of "The Code of The City of Galveston 1982, as amended," as provided below.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF GALVESTON, TEXAS:

SECTION 1. The findings and recitations set out in the preamble to this Ordinance are found to be true and correct and they are adopted by the City Council and made a part hereof for all purposes.

SECTION 2. The Code of the City of Galveston 1982, as amended, Chapter 7 "Animals and Fowl", is amended to read and provide as follows:

Article I. In General.

Sec. 7-1. Definitions.

****

Coop shall mean an enclosed structure designed to house chickens.

Coop Run shall mean a completely enclosed area designed to allow chickens access to the outdoors while providing protection from predators.

***

Director or *local rabies control authority* means the city chief of police or his designee who shall, among other duties, be responsible for enforcing the animal ordinances, the minimum standards for rabies control, and any rules adopted by the Texas Board of Health under the rabies quarantine provisions of ~~V.T.C.A.~~, the Texas Health and Safety Code ~~§ 826.045, or its successor.~~

***

Livestock means an animal raised for human consumption or an equine or bovine (cow) animal.

***

Run shall mean ~~a completely~~ an enclosed area designed to allow ~~chickens~~ animals access to the outdoors while providing protection from predators.

***

Sec. 7-2. - Running at large prohibited.

(a) An owner of an animal shall ensure that such animal does not run at large in violation of this chapter and an owner shall be subject to punishment without regard to whether the owner was acting with a culpable mental state.

(b) It shall be unlawful for any person owning, keeping or having any animal in his possession or control to allow it to run at large.

(c) It shall be unlawful to allow any animal to be restrained by a leash, rope or cord and not be under the immediate control of the owner of the animal.

(d) An animal found to be a dangerous dog is additionally and subject to the conditions of section 7-15.

(de) The provisions of this section shall not apply if:

(1) The animal is under physical restraint by the owner;

(2) The animal is participating in obedience training or competition, dog shows, field trails or performing acts such as herding under the control and supervision of an owner. ~~or handler;~~

~~(3) The animal is~~ found to be a dangerous dog and subject to the conditions of section 7-15~~; or~~

~~(4) The animal is wild or exotic animal prohibited by section 7-40.~~

(ef) Each time an animal runs at large in violation of this section constitutes a separate offense, punishable by a fine of not more than one hundred dollars ($100.00).

***

Sec. 7-14. - Impoundment—Mandatory spay/neuter of impounded animals.
***

(c) Fees. An animal's owner must pay the impoundment and boarding fee before the animal is released. The animal shelter shall deposit the fees collected in the city's treasury or as agreed to by contract with the city according to the ~~V.T.C.A~~., Texas Health and Safety Code § ~~826.016 or its successor~~. The fees may be used only to help defray the cost of administering this chapter or the ordinances or rules of the city's police, animal control, or animal shelter.

(d) Any dog or cat found to be without a microchip or registration tag attached to a collar worn by the dog or cat is declared to be a stray animal. Stray dogs and cats are declared to be a public nuisance. Stray dogs and cats shall be impounded for a period of seventy-two (72) hours. After seventy-two (72) hours the stray dog or cat becomes the property of the animal shelter who may make a humane disposition of each unclaimed stray dog or cat, including making the dog or cat available for adoption.

(e) Required; exceptions.

(1) Any stray dog or cat impounded must be spayed or neutered prior to adoption, in accordance with state law.

(2) All dogs or cats impounded within the corporate city limits will be spayed/neutered prior to being released to the owner. In the case that an appointment must be scheduled for surgery after release the animal owner must present the animal for the scheduled appointment. Failure to present the animal will constitute a violation of this chapter. The cost to spay/neuter the animal shall be paid by the owner along with the impound fees.

(3) The following animals will not be spayed/neutered as directed under subsection (a):

a. The animal weighs less than two (2) pounds;

b. A licensed veterinarian certifies that the dog or cat should not be spayed/neutered for health reasons or is permanently non-fertile;

c. The animal is a trained animal used by or under the authority of a governmental agency in police or rescue work;

d. Animals picked up for the first time belonging to a breeder that has:

i. A copy of the animal's health statement; and

ii. Paid the fee for a first offense and all other fees associated with the impoundment of the animal. Should the animal be impounded a second time it will be spay/neutered.

e. Animals picked up for the first time belonging to an owner that has:

i. A copy of the animal's health statement; and

ii. Paid the fee for a first offense and all other fees associated with the impoundment of the animal. Should the animal be impounded a second time it will be spayed/neutered.

f. A violation of this section shall be a class C misdemeanor punishable by a minimum fine of one hundred dollars ($100.00), not to exceed five hundred dollars ($500.00). Each violation shall be considered a separate punishable offense.

Sec. 7-15. - Dangerous dogs.

***

~~*Sign(s)* shall mean a sign, at least eight (8) inches by twelve (12) inches, of a permanent nature stating "BEWARE OF DANGEROUS DOG" in red lettering on a white background. The lettering shall be no less than two (2) inches in height and made of a reflective material that is visible in low-light situations or at night. In addition, the sign shall include a symbol warning, understandable by small children, of the presence of a dangerous dog.~~

Sign(s) shall mean a sign of a permanent nature stating "BEWARE OF DANGEROUS DOG" The lettering shall be made of a reflective material that is visible in low-light situations or at night. In addition, the sign shall include a symbol warning, understandable by small children, of the presence of a dangerous dog.

***

(c) *Requirements for a dangerous dog.*

(1) Not later than the 30th day after the person learns that the person is the owner of a dangerous dog, the person shall:

***

g. The Dangerous dog must be spayed / neutered and microchipped. City of Galveston must be listed as a contact person with the microchip company.

(2) The owner of the dangerous dog who does not comply with subsection (1) shall immediately deliver the dog to the animal control authority.

(3) If, on application of any person, the municipal court of Record finds, after notice and hearing as provided by subsection (h), that the owner of the dog has failed to comply with subsections (c)(1) or (c)(2), the court shall order the animal control authority to seize the dog and shall issue a warrant authorizing the seizure. The animal control authority shall seize the dog or order its seizure and shall provide for the impoundment of the dog in secure and humane conditions.

(4) The owner shall pay any cost or fee assessed by the city and or animal shelter.

(5) The court shall order the animal control authority to humanely destroy the dog if the owner has not complied with subsection (c)(1) before the 11th day after the date on which the dog is seized or delivered to the animal control authority. The court shall order the authority to return the dog to the owner if the owner complies with subsection

(c)(1) before the 11th day after the date on which the dog is seized or delivered to the animal control authority.

(6) The court may order the humane destruction of a dog if the owner of the dog has not been located before the 15th day after the seizure and impoundment of the dog.

(7) For purposes of this section, a person learns that the person is the owner of a dangerous dog when:

a. The owner knows of a dangerous dog attack described in subsection 7-1(f);

b. The owner receives notice that the Galveston Municipal Court of Record has found that the dog is a dangerous dog under subsection (h); or

c. The owner is informed by the animal control authority that the dog has been determined to be a dangerous dog ~~under subsection (d).~~

(d) *Reporting of incident.*

(1) *Animal control authority.*

a. If a person reports a dangerous dog incident, the animal control authority may investigate the incident. The animal control authority may adopt appropriate forms to aid in the enforcement of this section. If, after receiving the sworn statements of any witnesses, the animal control authority determines the dog is a dangerous dog, it shall notify the owner of the determination.

b. An owner, not later than the 15th day after the date the owner is notified that a dog owned by the owner is a dangerous dog, may appeal the determination of the animal control authority to the Galveston Municipal Court of Record. An owner may appeal the decision of the Galveston Municipal Court of Record in the same manner as appeal for other cases from the municipal court of record.

~~(2) *Municipal court*~~

~~a. A person may also report a dangerous dog incident to the municipal court of Record. The owner of the dog shall deliver the dog to the animal control authority not later than the fifth day after the date on which the owner receives notice that the report has been filed. The animal control authority may otherwise provide for the impoundment of the dog in secure and humane conditions until the court orders the disposition of the dog.~~

~~b. If the owner fails to deliver the dog as required by subsection (d)(2)a., the court shall order the animal control authority to seize the dog and shall issue a warrant authorizing the seizure. The authority shall seize the dog or order its seizure and shall provide for the impoundment of the dog in secure and humane conditions until the court orders the disposition of the dog. The owner shall pay any cost incurred in seizing the dog.~~

~~c. The court shall determine, after notice and hearing as provided in subsection (h), whether the dog is a dangerous dog.~~

~~d. The court, after determining that the dog is a dangerous dog, may order the animal control authority to continue to impound the dangerous dog in secure and humane~~

~~conditions until the court orders disposition of the dog under subsection (c) and the dog is returned to the owner or destroyed.~~

~~e.~~ ~~The owner shall pay a cost or fee assessed under subsection (c)(4).~~

***

(e ~~(2)~~ *Municipal Court of Record .*

a. A person may also report a dangerous dog incident to the municipal court of Record. ~~The owner of the dog shall deliver the dog to the animal control authority not later than the fifth day after the date on which the owner receives notice that the report has been filed. The animal control authority may otherwise provide for the impoundment of the dog in secure and humane conditions until the court orders the disposition of the dog.~~

~~b.~~ ~~If the owner fails to deliver the dog as required by subsection (d)(2)a., the court shall order the animal control authority to seize the dog and shall issue a warrant authorizing the seizure. The authority shall seize the dog or order its seizure and shall provide for the impoundment of the dog in secure and humane conditions until the court orders the disposition of the dog. The owner shall pay any cost incurred in seizing the dog.~~

b/c. ~~The court shall determine, after notice and hearing as provided in subsection (h), whether the dog is a dangerous dog.~~

~~d.~~ ~~The court, after determining that the dog is a dangerous dog, may order the animal control authority to continue to impound the dangerous dog in secure and humane conditions until the court orders disposition of the dog under subsection (c) and the dog is returned to the owner or destroyed.~~

~~e.~~ ~~The owner shall pay a cost or fee assessed under subsection (c)(4).~~

b. The jurisdiction for the hearing of a dangerous dog determination under subsection (d) or subsection (c)(3) shall be the Galveston Municipal Court of Record, which shall set a time for a hearing to determine whether the dog is a dangerous dog or whether the owner of the dog has complied with subsection (c).

(c) A dangerous dog found to be at large or otherwise in violation of this chapter shall be impounded and a disposition hearing set within 10 days of impound. This hearing will determine if the owner has failed to maintain compliance with this chapter. If the court finds the animal owner has violated this chapter the court may order the humane destruction of the dangerous dog.

***

(h) *Hearing.*

(1) The jurisdiction for the hearing of a dangerous dog determination under subsection (d) or subsection (c)(3) shall be the Galveston Municipal Court of Record, which shall set a time for a hearing to determine whether the dog is a dangerous dog or whether the owner of the dog has complied with subsection (c).

(2) The owner of a dog subject to a dangerous animal determination or a disposition hearing under this section, or the person from whom the dog was seized, and the person

who made the complaint shall be notified, in writing, of the date, time and location of the hearing within five (5) days after the impoundment of the dog.

(3) The determination hearing or disposition hearing shall be held not later than the 10th day after impoundment of the dog.

(4) The municipal judge shall consider evidence provided by any interested party, including the city attorney, in making its determination.

(5) If the municipal judge determines that the dog, which is the subject of the hearing, is a danger to the community, the municipal judge shall issue an order as to the disposition of the dangerous dog and any conditions that may be placed upon the owner for the continued maintenance of the dangerous dog.

(6) Nothing in this section precludes the owner of a dangerous dog, which is the subject of the hearing from waiving its right to a determination hearing. If a person waives the right to a hearing, the dog will be deemed to be dangerous and the owner shall immediately comply with any conditions imposed or authorize the destruction of the dangerous dog. If the dangerous dog is ordered destroyed and is impounded at the animal shelter, the owner shall release the dangerous dog to the animal shelter for destruction. If the dangerous dog is ordered destroyed and impounded at a veterinary clinic, the owner shall have the dangerous dog destroyed by the licensed veterinarian immediately and provide documentation of the destruction to the animal control authority.

(i) *Violations and penalties.*

***

(8) It is a defense to prosecution for an attack by a dangerous dog or for complying with the requirements of a dangerous dog if the person is:

***

c. A dog trainer or an employee of a licensed guard dog company under ~~V.T.C.A.,~~ Texas Occupations Code, ~~ch. 1702, as amended~~.

Sec. 7-15.1. - Nuisance animal—Noise.

It shall be unlawful for the owner or keeper of any animal to allow the animal to bark, howl, whine or make any sound in such a manner, with such intensity, or with such continued duration so as to annoy, distress or disturb the quiet, comfort or repose of persons of normal sensibilities within the vicinity of hearing thereof. ~~A violation of this section shall be a class C misdemeanor and upon conviction shall be punishable by a fine not to exceed five hundred dollars ($500.00).~~

A violation of this section shall be a class C misdemeanor punishable by a minimum fine of one hundred dollars ($100.00), not to exceed five hundred dollars ($500.00). Each violation shall be considered a separate punishable offense.

Sec. 7-16. - Refusal to allow impoundment; unauthorized release of animals.

(a) Refusal of any owner or the person in possession or control of any animal to allow or permit the animal control officer to take custody of such animal for impoundment due to violations of this chapter shall constitute a separate offense hereunder. The owner causing such refusal shall be subject to a fine of not less than two hundred dollars ($200.00) nor more than two thousand dollars ($2,000.00) per day of violation.

(b) It shall be unlawful for any person to release an impounded animal except upon approval of the director.

Sec. 7-17. - Animal excrement laws.

~~This section shall not apply to horses on the public beaches.~~

(1) Owners of animals must pick up all of their animals' excrement that is secreted off their property.

(2) A violation of this section shall be a class C misdemeanor punishable by a minimum fine of one hundred dollars ($100.00), not to exceed five hundred dollars ($500.00). Each violation shall be considered a separate punishable offense

~~Violations of the excrement law shall subject the owner to a fine from ten dollars ($10.00) per violation to fifty dollars ($50.00) per violation.~~

Sec. 7-18. - Humane treatment of animals.

(a) Owners must humanely treat their animals. Humane treatment includes, but is not limited to providing proper and adequate food, drink, shade, shelter, training, and veterinary care.

(b) It shall be unlawful for any person to use, allow, or permit to be used animal fighting equipment.

(c) It shall be unlawful for an owner of property to use, allow, or permit the use of animal fighting equipment.

(d) It shall be unlawful for any person to in any manner tease, annoy, disturb, molest, or irritate an animal that is confined to the owner's premises.

(e) Owners shall maintain and keep all pens, coops, kennels, fenced areas, and enclosures of any kind clean to prevent odors, and the attraction of insects, vermin, or other nuisances. The premises upon which animals are kept shall be clean and free from noxious and unpleasant odors. Spray or other chemicals shall be used at reasonable intervals to keep the premises free of flies, mosquitoes, ticks, fleas, and other vectors. Cages, pens, or enclosures used to confine animals shall be of sufficient size to maintain all animals within such pen or enclosures comfortably and in good health.

(f) No person shall leave any animal in any standing or parked vehicle at any time. ~~in such a way as to endanger the animal's health, safety, or welfare~~. An animal control officer or police officer may use reasonable force to remove the animal from the vehicle whenever it appears that the animal's health, safety, or welfare is or will be endangered if the owner of the vehicle cannot be located after reasonable attempts. The animal shall be taken to the animal shelter or to a veterinarian if the animal is in distress. A written notice bearing the name of the officer removing the animal, a telephone number where he can be contacted and the location where the animal may be claimed by the owner shall be attached to the vehicle.

Any person in violation of this subsection shall bear the full cost and expense incurred by the city or animal shelter in the care, medical treatment, impoundment cost and disposal of the animal, including the removal from the vehicle.

(g) It shall be unlawful to tether, chain, or fasten an animal in such a manner as to cause it injury, disease, or pain or not permit it to reach shelter, food and water.

(h) ~~Violations of the humane treatment law shall subject the owner to a fine from one hundred dollars ($100.00) to two hundred dollars ($200.00) per violation.~~

A violation of this section shall be a class C misdemeanor punishable by a minimum fine of one hundred dollars ($100.00), not to exceed five hundred dollars ($500.00). Each violation shall be considered a separate punishable offense.

***

Sec. 7-19. - Animal control officers and police officers; authority.

(a) Animal control officers and police officers of the city shall be authorized to seize animals that are in violation of this chapter and a police officer may arrest any person who attempts to prevent the detention of the animal.

(b) Animal control officers and Police officers are authorized to tranquilize or kill any animal that is running loose and cannot be apprehended by reasonable means that appears to be dangerous, seriously injured, or diseased.

(c) Animal control officers and police officers of the city are authorized to issue notice of violations for any violation of this chapter.

***

Sec. 7-24. - Use and sale of rabies vaccine.

(a) Rabies vaccine for animals may be administered only by or under the direct supervision of a veterinarian.

(b) A veterinarian may not administer or directly supervise the administration of rabies vaccine in this state unless the person is:

(1) Licensed by the state board of veterinary medical examiners to practice veterinary medicine; or

(2) Practicing veterinary medicine on an installation of the armed forces or National Guard.

(c) A person may not sell or distribute rabies vaccine for animals to any person except a licensed veterinarian or to a person working in a veterinary clinic who accepts the vaccine on behalf of the veterinarian.

(d) This section does not prohibit a pharmacy licensed by the Texas State Board of Pharmacy from supplying rabies vaccine for animals to a licensed veterinarian.

(e) This section does not prohibit a veterinarian licensed by the State Board of Veterinary Medical Examiners from selling or dispensing rabies vaccine to an individual with whom the veterinarian has a veterinarian-client-patient relationship as described by V.T.C.A., Texas Occupations Code ch. 801, for the sole purpose of allowing that individual to administer the rabies vaccine to that individual's own livestock.

(f) A person commits an offense if the person:

(1) Administers or attempts to administer rabies vaccine in a manner not authorized by this section;

(2) Dispenses or attempts to dispense rabies vaccine in a manner not authorized by this section;

(3) Sells or distributes rabies vaccine for animals in violation of this section.

(g) An offense under this section is a class C misdemeanor punishable by a minimum fine of $500.00 up to $2,000.00.

Sec. 7-40. - Keeping of wild and exotic animals prohibited.

It shall be unlawful for any person to possess, keep, permit, cause or allow any wild or exotic animal upon or within any premises within the city; except as provided below, in the City Code or pursuant to State law. ~~however,~~

(a) This prohibition shall not apply to zoological parks, performing animal exhibitions, circuses or veterinary hospitals;

(b) This prohibition exempts goats and pigs where city permits have been issued and where city zoning requirements zoned for livestock are allowed.

Sec. 7-41. - Fees enumerated.

(a) There shall be charged by the city the following fees for issuance of licenses and permits required under this chapter:

(1) Dog and cat licenses ~~required under section 7-9~~:

a. Altered pet license (spayed/neutered), annually $5.00

b. Senior citizens (age 60+) altered pets, annually 4.00

c. Certified service animals altered pets, annually 4.00

d. Unaltered pet license (not spayed/neutered), annually 50.00

(2) Duplicate dog or cat license, annually 2.00

(3) Kennel, cattery and animal establishment license ~~required under section 7-27~~:

a. For each kennel or cattery authorized to house less than fifteen (15) dogs or cats, or combination thereof 50.00

***

(4) Pickup and dispose of dead animals and fowl, per animal ..... No fee

(5) Poultry or fowl permit 10.00

(6) Goat or Pig permit, annually $5.00

Sec. 7-42. – Animal Services Advisory Committee ~~Definitions; committee established~~.

(a) There is hereby established an animal services advisory committee. The purpose of the committee shall be to assist animal shelters located in the city to comply with the ~~V.T.C.A.,~~ Texas Health and Safety Code ~~ch. 823~~. and to provide recommendations as necessary to the City of Galveston.

***

SECTION 3. It is declared to be the intention of the City Council that the sections, paragraphs, sentences, clauses, and phrases of this Ordinance are severable. If any phrase, clause, sentence, paragraph, or section of this Ordinance should be declared invalid by a final judgment or decree of any court of competent jurisdiction, such invalidity shall not affect any of the remaining phrases, clauses, sentences, paragraphs, and sections of this Ordinance.

SECTION 4. All Ordinances or parts thereof in conflict herewith are repealed to the extent of such conflict only.

SECTION 5. In accordance with the provisions of Sections 12 and 13 of Article II of the City Charter, this Ordinance has been publicly available in the office of the City Secretary for not less than 72 hours prior to its adoption; that this Ordinance may be read and published by descriptive caption only.

SECTION 6. This Ordinance shall be and become effective from and after its adoption and publication in accordance with the provisions of the Charter of the City of Galveston.

APPROVED AS TO FORM:

_____
DONNA M. FAIRWEATHER
ASSISTANT CITY ATTORNEY

I, Janelle Williams, Secretary of the City Council of the City of Galveston, do hereby certify that the foregoing is a true and correct copy of an Ordinance adopted by the City Council of the City of Galveston at its regular meeting held on October 17, 2019, as the same appears in records of this office.

IN TESTIMONY WHEREOF, I subscribe my name hereto officially under the corporate seal of the City of Galveston this _____ day of _____, 2019.

_____
Secretary for the City Council
of the City of Galveston

ORDINANCE NO. 19- _____

AN ORDINANCE OF THE CITY OF GALVESTON, TEXAS, AMENDING THE CODE OF THE CITY OF GALVESTON, AS AMENDED, CHAPTER 11, "CEMETERIES" TO AMEND, UPDATE REGULATIONS, STANDARDS, AND DEFINITIONS; TO MAKE CLARIFICATIONS, RENAME, RENUMBER AND REARRANGE THE CHAPTER AS APPLICABLE; PROVIDING FOR PENALTIES AS APPLICABLE; MAKING VARIOUS FINDINGS AND PROVISIONS RELATED TO THE SUBJECT; PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the Galveston City Council seeks to promote the public health, safety, morals and general welfare of the municipality and the safe, orderly, and healthful development of the municipality; and,

WHEREAS, staff has reviewed various Chapters of the City Code. Staff has made recommendations in order to update rules, regulations, standards and procedures and make clarifications, and modifications, as applicable to the Chapter in furtherance of promoting the public health, safety, morals and general welfare of the municipality and the safe, orderly, and healthful development of the municipality; and,

WHEREAS, the City Council deems it in the public's interest to amend Chapter 11, "Cemeteries", of "The Code of The City of Galveston 1982, as amended," as provided below.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF GALVESTON, TEXAS:

SECTION 1. The findings and recitations set out in the preamble to this Ordinance are found to be true and correct and they are hereby adopted by the City Council and made a part hereof for all purposes.

SECTION 2. Chapter 11, "Cemeteries" of "The Code of The City of Galveston 1982, as amended," is amended to provide as follows:

***

Sec. 11-21. - ~~City sexton.~~ Director of Parks and Recreation

The ~~City sexton~~. Director of Parks and Recreation shall be in charge of all cemeteries included in this article and be primarily responsible for ensuring conformance with the provisions of this article and state law. In order to ensure conformance with this article and to properly maintain said cemeteries, the ~~City sexton~~. Director of Parks and Recreation may promulgate reasonable rules and regulations which, when approved by the city council, shall have the binding effect of law and violation thereof shall be a misdemeanor.

Sec. 11-22. - Levels of landscaping; monuments, etc.

No item located within the cemeteries covered by this article shall ever be higher than the surrounding grave level. This prohibition shall include, but not be limited to, graves, gravesites, curbing, bushes, trees, shrubs or any other live vegetable matter with the exception of an appropriate grass. This prohibition shall not include tombstones or appropriate grave markers of a type or kind approved by the ~~City sexton~~. Director of Parks and Recreation.

Sec. 11-23. - Fees.

All sums and moneys to be charged by the city for goods, services or property furnished by the city in connection with cemeteries covered under this article shall be based on a schedule of fees. Said schedule shall be determined by the city manager or ~~his~~ the duly authorized representative and shall be commensurate with the expenses incurred by or value to the city.

Sec. 11-24. - Suspicious circumstances—Cemeteries.

It shall be unlawful for any person within the corporate limits of the city to enter, remain, stay, or loiter in any cemetery between 10:00 p.m. and 6:00 a.m., where ~~he has~~ they have no right or permission to be, under suspicious circumstances, and without being able to give a satisfactory account of the same.

SECTION 3. It is hereby declared to be the intention of the City Council that the sections, paragraphs, sentences, clauses and phrases of this Ordinance are severable and, if any phrase, clause, sentence, paragraph or section of this Ordinance should be declared invalid by the final judgment or decree of any court of competent jurisdiction, such invalidity shall not affect any of the remaining phrases, clauses, sentences, paragraphs and sections of this Ordinance.

SECTION 4. All Ordinances or parts thereof in conflict herewith are repealed to the extent of such conflict only.

SECTION 5. In accordance with the provisions of Sections 12 and 13 of Article II of the City Charter this Ordinance has been publicly available in the office of the City Secretary for not less than 72 hours prior to its adoption; that this Ordinance may be read and published by descriptive caption only.

SECTION 6. This Ordinance shall be and become effective on, from and after its adoption and publication in accordance with the provisions of the Charter of the City of Galveston.

APPROVED AS TO FORM:

_____
DONNA M. FAIRWEATHER
ASSISTANT CITY ATTORNEY

I, Janelle Williams, Secretary of the City Council of the City of Galveston, do hereby certify that the foregoing is a true and correct copy of an Ordinance adopted by the City Council of the City of Galveston at its regular meeting held on October 17, 2019, as the same appears in records of this office.

IN TESTIMONY WHEREOF, I subscribe my name hereto officially under the corporate seal of the City of Galveston this _____ day of _____, 2019.

_____
Secretary for the City Council
Of the City of Galveston

ORDINANCE NO. 19- _____

AN ORDINANCE OF THE CITY OF GALVESTON, TEXAS, AMENDING THE CODE OF THE CITY OF GALVESTON, AS AMENDED, CHAPTER 22.5, "NEIGHBORHOOD PARTNERSHIP PROGRAM" TO AMEND, UPDATE REGULATIONS, STANDARDS, AND DEFINITIONS; TO MAKE CLARIFICATIONS, RENAME, RENUMBER AND REARRANGE THE CHAPTER AS APPLICABLE; PROVIDING FOR PENALTIES AS APPLICABLE; MAKING VARIOUS FINDINGS AND PROVISIONS RELATED TO THE SUBJECT; PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the Galveston City Council seeks to promote the public health, safety, morals and general welfare of the municipality and the safe, orderly, and healthful development of the municipality; and,

WHEREAS, staff has reviewed various Chapters of the City Code. Staff has made recommendations in order to update regulations, standards and procedures and make clarifications, and modifications, as applicable to the Chapter in furtherance of promoting the public health, safety, morals and general welfare of the municipality and the safe, orderly, and healthful development of the municipality; and,

WHEREAS, the City Council deems it in the public's interest to amend Chapter 22.5 "Neighborhood Partnership Program", of "The Code of The City of Galveston 1982, as amended," as provided below.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF GALVESTON, TEXAS:

SECTION 1. The findings and recitations set out in the preamble to this Ordinance are found to be true and correct and they are hereby adopted by the City Council and made a part hereof for all purposes.

SECTION 2. Chapter 22.5, "Neighborhood Partnership Program", of "The Code of The City of Galveston 1982, as amended," is amended to provide as follows:

CHAPTER 22.5 ~~NEIGHBORHOOD PARTNERSHIP PROGRAM~~ RESERVED.

~~Chapter 22.5 - NEIGHBORHOOD PARTNERSHIP PROGRAM~~[1] RESERVED

Sec. 22.5-1. - ~~Neighborhood services coordinator.~~ RESERVED.

~~The "neighborhood services coordinator" for the City of Galveston is hereby designated to serve as the liaison between the city and community organizations on neighborhood issues.~~

SECTION 3. It is hereby declared to be the intention of the City Council that the sections, paragraphs, sentences, clauses and phrases of this Ordinance are severable and, if any phrase, clause, sentence, paragraph or section of this Ordinance should be declared invalid by the final judgment or decree of any court of competent jurisdiction, such invalidity shall not affect any of the remaining phrases, clauses, sentences, paragraphs and sections of this Ordinance.

SECTION 4. All Ordinances or parts thereof in conflict herewith are repealed to the extent of such conflict only.

SECTION 5. In accordance with the provisions of Sections 12 and 13 of Article II of the City Charter this Ordinance has been publicly available in the office of the City Secretary for not less than 72 hours prior to its adoption; that this Ordinance may be read and published by descriptive caption only.

SECTION 6. This Ordinance shall be and become effective on, from and after its adoption and publication in accordance with the provisions of the Charter of the City of Galveston.

APPROVED AS TO FORM:

_____
DONNA M. FAIRWEATHER
ASSISTANT CITY ATTORNEY

I, Janelle Williams, Secretary of the City Council of the City of Galveston, do hereby certify that the foregoing is a true and correct copy of an Ordinance adopted by the City Council of the City of Galveston at its regular meeting held on October 17, 2019, as the same appears in records of this office.

IN TESTIMONY WHEREOF, I subscribe my name hereto officially under the corporate seal of the City of Galveston this _____ day of _____, 2019.

_____
Secretary for the City Council
Of the City of Galveston

2019

Port of Galveston CAFRS

PORTSP2019-1b

GLENN BULGHERINI, CPA, FCPA, CICA, CCS

CITY OF GALVESTON
REPORT ON PORT OF GALVESTON CAFRS
PREPARED BY THE CITY OF GALVESTON CITY AUDITOR'S OFFICE

June 11, 2019

The City Auditor's Office is submitting this report as an addendum to the audit report *"Receipt and Use of Hurricane Ike Insurance Proceeds"* dated April 19, 2019. This report focuses on the responsibility that City Council, the Wharves Board, and the Citizens of Galveston expect from Port management. These expectations have a corresponding effect on the Port of Galveston's CAFRs. We are bringing forth two (2) findings that we consider important. They are:

1. Requirement of Board Approval.

2. Information to External Auditors.

The following explains these findings in greater depth.

REQUIREMENT OF BOARD APPROVAL:

The City Auditor's Office is aware of a prior period adjustment made to write off the FEMA Receivable. This prior period adjustment reduces the FEMA Receivable by $8,279,129 and shows up in the draft copy of the Port's 2018 CAFR. The draft 2018 CAFR gives the reason for this prior period adjustment as *"Based on an extensive review of this receivable by management along with advice received from the new disaster recovery consultant, a determination was made that these outstanding claims were questionable as to the timing and possible collection of the receivable".* We conclude that this prior period adjustment should receive board approval before it can enter onto the Port's 2018 CAFR.

The external auditors identify this prior period adjustment as an error correction. The Wharves Board currently does not have a written policy for board approval to address the correction of an accounting error. However, The Wharves Board does have written policies regulating performance of duties. These policies include: *"The following described actions are deemed policy matters and require Board approval: Any other matter which is customarily recognized in business circles as normally requiring approval by a board of directors in the orderly management of a business of comparable magnitude and complexity".* We conclude that Port management did not abide by this policy before writing off the $8,279,129 FEMA Receivable.

Port management is responsible for initiating the FEMA Receivable write off in the draft 2018 CAFR for the Port. Therefore, Port management should have adequate knowledge of the Wharves Board's written policies regulating their performance of duties. The City

Auditor's Office determines that this disregard is due to Port management not placing a high enough level of importance on the significance of the Wharves Board's written policies regulating the performance of duties. The Wharves Board's written policies requiring board approval intends to put the necessary controls in place to fully disclose the financial transactions at the Port of Galveston to the public. The override of this policy by Port management does not set the standard for public perception as one of transparency.

The risk for not bringing this prior period adjustment to the Wharves Board for a vote of approval will result in failure to comply with The Wharves Board's written policies on behalf of Port management. Port management should communicate to the board that the FEMA Receivable is on the Port of Galveston CAFRs as a current asset from fiscal year 2012 through fiscal year 2017. The Port of Galveston has collected less than 10% of this FEMA Receivable through those six (6) years. The Wharves Board should consider if there is any duty to report these findings to any third party entities that may have relied upon these CAFRs for this six-year period. The graph below illustrates the current asset balances stated in the Port's CAFRs for the FEMA Receivable.

FISCAL YEAR END	FEMA RECEIVABLE STATED IN CAFR
2012	$3,472,086
2013	$7,258,257
2014	$7,999,056
2015	$8,841,080
2016	$8,092,253
2017	$8,402,636

Please see City Auditors Office Recommendation 1 at the end of this report.

INFORMATION TO EXTERNAL AUDITORS:

The external auditors did not initially have a chance to perform all risk assessment procedures for the Port's 2018 audit engagement. The risk assessment procedures not initially performed were inquiries of the internal audit function of the City Auditor's Office. The external auditors should have an opportunity to inquire about information that the City Auditor's Office may have and determine its relevancy regardless of whether or not the internal audit function is used. The determination of relevancy concerning the internal audit function inquiry does not lie with Port management or the Wharves Board, but rather with the external auditors.

The AICPA (American Institute of Certified Public Accountants) auditing standards pertinent to this finding is effective for audits of financial statements for periods ending on or after December 15, 2014.

AU-C 315:06 (a.)

"The risk assessment procedures should include the following:

Inquiries of management, appropriate individuals within the internal audit function (if such function exists), others within the entity who, in the auditor's professional judgement, may have information that is likely to assist in identifying risks of material misstatement due to fraud or error".

Also pertinent to this finding are the powers and duties of the City Auditor stated in the City of Galveston Code Section 2-126.

Scope of Work (1) (f)
"The City Auditor is empowered to conduct performance and financial related audits, investigations and other audit work to determine whether: Financial and performance reports are being provided that disclose fairly, accurately, and fully all information that is required by law or other established or stated criteria that is necessary to ascertain the nature and scope of programs and activities, and that is necessary to establish a proper basis for evaluating the results of programs and activities".

The Port of Galveston management did not communicate to the external auditors any knowledge of the internal audit function. This knowledge would have likely been assistance to the external auditors in identifying risks of material misstatement due to error. Neither Port management nor Wharves Board members should have the power to interfere with the performance of the internal audit function inquiry by the external auditors.

There are two (2) negative outcomes for this finding. First, the external auditors were not aware of the absence of Port accounting procedures for the deobligation of FEMA funds. Organizations accounting for FEMA funds normally keep records on deobligations. FEMA deobligations are funds that FEMA will not reimburse to an organization for a specific project. FEMA deobligations associated with The Port of Galveston are due to noncompliance issues. An organization that receives advance funding from FEMA could owe money back to FEMA should funds be deobligated. FEMA can request this money back even if the organization has already spent those funds.

Second, the City Auditor's Office has information concerning the Port of Galveston and FEMA. This information results from an interview with the new disaster recovery consultant conducted by the City Auditor's Office. This interview revealed that the new disaster recovery consultant has notified the Port of Galveston of a minimum liability that the Port will owe back to FEMA in the estimated amount of $800,000. The disaster recovery consultant also stated that the estimated liability to FEMA could go as high as $2,000,000. The City Auditor's Office concludes that this is information that the external auditors should have been able to obtain from an initial inquiry of the internal audit function.

Please see City Auditors Office Recommendation 2 at the end of this report.

City Auditors Office Recommendation 1

Port management should fully disclose all information in regards to the prior period adjustment to the Wharves Board and then seek board approval before reducing the FEMA receivable by $8,279,129. Disclosure of all information will allow the Wharves Board to consider if there is a duty to report any information to third party entities that may have relied upon the Port's CAFRs between fiscal years 2012 through 2017. Prior board approval will give the Wharves Board an opportunity to determine if there should be a policy to address error corrections. Presenting all of the facts first and then seeking prior board approval from the Wharves Board in accordance with written policies will help to ensure transparency and confidence to the public.

City Auditors Office Recommendation 2

The Port of Galveston should create and enforce written policies for *"requiring communication to the external auditor's"* concerning knowledge of appropriate individuals within the internal audit function. These policies will help to:

1. Ensure that the external auditors fully understand the Port's internal control structure and the risks associated with the financial reporting.

2. Avoid time delays and additional cost to the Port in finalizing the annual CAFR.

3. Stay in compliance with generally accepted accounting principles prescribed by the Governmental Accounting Standards.

GALVESTON WHARVES
• 123 Rosenberg Avenue 8th Floor, Galveston, Texas 77550
• Galveston (409) 765-9321 • Houston (281) 286-2484
• Fax (409) 766-6171 • Website: http://www.portofgalveston.com

BOARD OF TRUSTEES OF
THE GALVESTON WHARVES
Benjamin F. Holland Jr., Chairman Emeritus
E. L. "Ted" O'Rourke, Chairman
Albert P. Shannon, Vice Chairman
Leigh Elizabeth Beeton, Trustee
Dr. Craig Brown, Trustee
Richard DeVries, Trustee
Harry D. Maxwell, Jr., Trustee
Todd P. Sullivan, Trustee

PORT DIRECTOR/CEO
Rodger Rees

Mr. Glenn Bulgherini
City Auditor
City of Galveston
823 Rosenberg
Galveston, TX 77550

Re: Draft Report on Port of Galveston CAFRs Prepared by the City of Galveston City Auditor's Office, dated June 11, 2019

Dear Mr. Bulgherini:

Receipt is acknowledged of the referenced draft report. This letter constitutes the response to said report by the Board of Trustees of the Galveston Wharves, also known as the Port of Galveston (referred to below as either the "Board of Trustees" or the "Port"). The Board of Trustees appreciates your time and effort in preparing the report. This response is being provided to you per your request.

The FEMA Receivable referenced in the report was discussed during the July, August, September, October and December 2018 monthly Board of Trustees Workshop Meetings. Management further advised the Board of Trustees at the January 2019 Board of Trustees Finance Committee Meeting of management's recommendation that the FEMA Receivable be written off. There were no objections to this action by any members of the Finance Committee or other Trustees, who regularly attend Finance Committee meetings. The Board of Trustees received the draft 2018 CAFR in February 2019, which included the write-off of the FEMA Receivable. The Board of Trustees received and approved the CAFR in June 2019.The CAFR is not "final" until approved by the Board of Trustees. The final CAFR was the same as the draft received in February 2019.

In response to the "City Auditors Office Recommendation 1," the Port will adopt a formal policy under which management will present to the Board of Trustees at a Regular Monthly Meeting any material delinquent accounts receivable that management recommends be written off during each year, on or before the Board of Trustees' January Regular Monthly Meeting in the following calendar year. The Trustees will review and consider approval of management's recommendation by a recorded vote, so that there is no question about Board of Trustees approval of such action.

In response to the "City Auditors Office Recommendation 2," the Port will adopt a formal policy requiring management to provide contact information for the City Auditor's office to the firm selected to perform the Port's annual external audit, so that the external auditing firm can contact the City Auditor's office as that firm deems appropriate in exercising its professional judgment.

Thank you for your attention to these matters.

Sincerely,

Rodger E. Rees
Port Director/CEO

Cc: Board of Trustees of the Galveston Wharves

RESOLUTION NO. 19-_____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF GALVESTON, TEXAS, EXPRESSING ITS INTENT TO CLOSE TAX INCREMENT REINVESTMENTS ZONES 12 AND 14 IN THE CITY OF GALVESTON; ACKNOWLEDGING THE COUNTY OF GALVESTON'S SUPPORT FOR SUCH CLOSURE; DIRECTING THE GALVESTON REDEVELOPMENT ISLAND AUTHORITY TO TAKE ALL NECESSARY STEPS TO WIND UP AGREEMENTS WITH THE DEVELOPERS AND/OR LENDERS OF THOSE ZONES WITH ALL DELIBERATE SPEED AND MAKE PERIODIC REPORTS OF THE PROGRESS OF THOSE EFFORTS SO AS TO ALLOW THE CITY TO EFECT CLOSURE OF BOTH ZONES IN DECEMBER 2019; AND PROVIDING FOR FINDINGS OF FACT AND FOR AN EFFECTIVE DATE.

WHEREAS, the City of Galveston has previously by Ordinance created two Tax Increment Reinvestment Zones on Galveston Island pursuant to Tex. Tax Code Ch. 311, designated TIRZ 12 and TIRZ 14. TIRZ No. 12, commonly referred to as the North Broadway TIRZ, will expire by its own terms in December, 2031 and TIRZ No. 14, commonly referred to as the Airport TIRZ, will expire by its own terms in December, 2033; and

WHEREAS, the County of Galveston and its associated Road and Flood District as well as Galveston Navigation District #1, have chosen to participate in each of those TIRZ entities; and

WHEREAS, the City of Galveston has delegated to the Galveston Island Redevelopment Authority, hereinafter the RDA, the duties and responsibilities of management and administration of the TIRZ Zones including the Development Agreements with TIRZ developers and financing arrangements with lenders in each Zone as the RDA may deem advisable; and

WHEREAS, the City of Galveston has determined that it wishes to close both TIRZ Nos. 12 and 14 during calendar year 2019 and the Commissioners Court of Galveston County has also at an open meeting passed a motion expressing its support for such closure; and

WHEREAS, certain acts are required to be accomplished by the Galveston RDA to allow such closures to proceed.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GALVESTON, TEXAS:

SECTION 1. The findings and recitations set out in the preamble to this Resolution are found to be true and correct and are hereby adopted by the City Council and made a part hereof for all purposes.

SECTION 2. The City Council of the City of Galveston, Texas hereby requests and directs the Galveston Island Redevelopment Authority to undertake with all deliberate speed all necessary actions with the developers and lenders for each of TIRZ Zones Nos. 12 and 14 so to allow the City of Galveston to move forward with the closure of each Zone no later than December 31, 2019 in compliance with the requirement of Tex. Tax Code Ch. 311, including but not limited to the satisfaction of any outstanding indebtedness attributable to these Zones and satisfaction of any outstanding development costs. The RDA shall issue periodic reports of its progress through a designated representative to Council for consideration at its November 14, 2019 meeting as well as a final report as soon as possible.

SECTION 3. The City Secretary is directed to deliver a copy of this Resolution to the President of the Galveston RDA as soon as practicable after its passage.

SECTION 4. This Resolution shall be and become effective immediately upon its adoption.

APPROVED AS TO FORM:

_____
DONALD S. GLYWASKY
CITY ATTORNEY

I, Janelle Williams, Secretary of the City Council of the City of Galveston, do hereby certify that the foregoing is a true and correct copy of a Resolution adopted by the City Council of the City of Galveston at its Regular Meeting held on the 17th day of October 2019, as the same appears in records of this office.

IN TESTIMONY WHEREOF, I subscribe my name hereto officially under the corporate seal of the City of Galveston this _____ day of _____, 2019.

_____
Secretary for the City Council
of the City of Galveston

MEMORANDUM

TO: Members of City Council

FROM: Donald Glywasky, City Attorney

DATE: October 7, 2019

RE: Resolution authorizing conveyance of real property to the Galveston Bay Foundation to be held as a wetland conservation area.

1) This is to act as a staff report relating additional information relation to the proposed resolution cited above. The resolution authorizes the City Manager to convey to the Galveston Bay Foundation ten acres acquired by the City from Galveston Independent School District.

2) The City has previously entered into contracts for the construction of additional water storage tanks to serve the 59th Street Pump Station. One of the additional tanks intruded upon a wetland area. Our environmental consultant, Rhonda Griggs with Adkins, was able negotiate with the Corps of Engineers to allow this tank to intrude on a wetland area were the City to mitigate the loss. To do so, the City purchased ten acres of wetland area from the Galveston Island School District. The next step is to convey that property to a group which will conserve it as a wetland, and Ms. Griggs recommended conveyance to the Galveston Bay Foundation.

3) Not for profits who undertake acceptance of real property in conservancy charge a fee for acceptance of the property. The fee statement from Galveston Bay Foundation is $34,166.66. A copy of the statement is attached. They include a property tax increase of $30.00 per year. I would not think there would be any tax but otherwise I accept the statement at face value.

4) I have drafted a warranty deed to convey the property in fee simple subject to a condition subsequent. The condition subsequent is the requirement that the tract be conserved as a wetland area. This will satisfy the condition with the USACE. If the condition is not adhered to, then the property automatically reverts to the City. The warranty deed is attached to the resolution in its draft form.

5) The GLO has been reimbursing the City's cost in this project, including the cost of this real estate. I am advised by Trian Jankowski that the GLO is balking at the Galveston Foundation fees since they have a maintenance aspect to them which is not reimbursable. She continues to press the point, but full reimbursement is in contention. Initial funding will issue from the water account.

6) I have sent the proposed escrow agreement and associated forms to Galveston Bay Foundation. They will assign it to counsel and I expect I shall hear from them presently.

7) The resolution act as authorization for the City Manager to execute the deed conveying the property to Galveston Bay Foundation and associated documents. Under Texas Local Gov't Code, their agreement to conserve the property is sufficient consideration to support the conveyance.

8) Should you have any questions, please advise.

RESOLUTION NO. 19-_____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF GALVESTON, TEXAS, APPROVING AND AUTHORIZING THE CITY MANAGER TO CONVEY TO THE GALVESTON BAY FOUNDATION REAL PROPERTY CONSISTING OF TWO PARCELS OF FIVE ACRES EACH NORTHWEST OF BROOME ROAD AND WREN ROAD 400 FEET TO THE EAST OF SWEETWATER LAKE, AUTHORIZING PAYMENT OF STEWARDSHIP FEE OF $34,166.66 TO GALVESTON BAY FOUNDATION, AUTHORIZING USE OF SOUTHLAND TITLE COMPANY TO PREPARE THE TITLE POLICY AND CLOSING DOCUMENTS WITH THE CITY PAYING THE COSTS THEREOF, AUTHORIZING THE CITY MANAGER TO EXECUTE THE NECESSARY DOCUMENTS UPON APPROVAL OF THE CITY ATTORNEY; DIRECTING CITY MANAGER TO SEEK REIMBURSEMENT OF ASSOCIATED COSTS FROM THE GENERAL LAND OFFICE; PROVIDING FOR FINDINGS OF FACT AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the City of Galveston has undertaken a capital improvement project to upgrade the distribution of water to the City with the construction of a new pump station at 59th Street in Galveston paid by CDBG funds administered through the General Land Office, and

WHEREAS, a separate by closely related component of that project is the construction of new storage tanks adjoining the pump station to increase storage capacity; and

WHEREAS, the construction of one of the new storage tanks will be located adjacent to the 59th Street Pump Station on real property owned by the City which has been delineated as a wetland area by the US Army Corps of Engineers; and

WHEREAS, prior to the construction of the storage tank on the wetland area the City must mitigate the loss of those wetlands to allow the project to move forward; and

WHEREAS, a method of mitigation acceptable to the US Army Corps of Engineers is for the City to acquire a wetland area and dedicate it to perpetual conservation through donation to an appropriate conservation agency such as the Galveston Bay Foundation; and

WHEREAS, the City of Galveston had purchased from the Galveston Independent School District two parcels of wetland property consisting of five acres each for a total of ten acres northwest of Broome Road and Wren Drive In Galveston and legally described as ABST 121 PAGE 67 & 68 N 1/2 OF LOT 416 (4161) TRIMBLE & LINDSEY SEC 1 and ABST 121 PAGE 67 & 68 N 1/2 OF LOT 407 (407-1) TRIMBLE & LINDSEY SEC 1 for the purpose of utilizing the property for mitigation purposes; and

WHEREAS, Texas Local Gov't Code §253.011 provides that the agreement of Galveston Bay Foundation to abide with covenants imposed by the City of Galveston to ensure the real property is preserved in its current state as a wetland, that it not be developed except with minor additions to ensure its continues existence as a wetland area to be set forth in a deed between the parties substantially as set forth in the exhibit attached within the judgment of the City Attorney; and

WHEREAS, the City has determined that it is advisable to effectuate the conveyance of the wetland tract to Galveston Bay Foundation for conservancy as a wetland area as soon as possible after passage of this Resolution.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GALVESTON, TEXAS:

SECTION 1. The findings and recitations set out in the preamble to this Resolution are found to be true and correct and are hereby adopted by the City Council and made a part hereof for all purposes.

SECTION 2. The City Council of the City of Galveston hereby authorizes the City Manager to convey the two parcels of wetland property consisting of five acres each for a total of ten acres northwest of Broome Brown and Wren Drive In Galveston and legally described as ABST 121 PAGE 67 & 68 N 1/2 OF LOT 416 (416-1) TRIMBLE & LNDSEY SEC 1 and ABST 121 PAGE 67 & 68 N 1/2 OF LOT 407 (407-1) TRIMBLE & LINDSEY SEC 1 to the Galveston Bay Foundation utilizing an instrument in substantial conformity to the instrument attached as Exhibit A; and

SECTION 3. The City Manager is further authorized to pay to the Galveston Bay Foundation a stewardship fee in the amount of Thirty Four Thousand One Hundred Sixty Six Dollars and 66/100 ($34,166.66) at closing as well as other associated costs of incurred at closing he is authorized to sign any necessary documents required to effectuate the purchase upon approval of the City Attorney; and

SECTION 4. The City Manager is further authorized to utilize the services of Southland Title Company to prepare the necessary title search, title policy and closing documents and pay such associated costs as may be imposed by Southland Title Company

SECTION 5. The City Manager is further directed to undertake all efforts to obtain reimbursement of the costs associated with this conveyance from the Texas General Land Office.

SECTION 6. That this Resolution shall be effective as of the date of its adoption.\\

APPROVED AS TO FORM:

DONALD S. GLYWASKY
CITY ATTORNEY

I, Janelle Williams, Secretary of the City of Council of the City of Galveston, do hereby certify that the foregoing is a true and correct copy of a Resolution adopted by the City Council of the City of Galveston at its regular meeting held on the 17th day of October, 2019, as the same appears in records of this office.

IN TESTIMONY WHEREOF I subscribe my name hereto officially under the corporate seal of the City of Galveston this day of _____, 2019.

JANELLE WILLIAMS
CITY SECRETARY

EXHIBIT A

NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OF THE FOLLOWING INFORMATION FROM THIS INSTRUMENT BEFORE IT IS FILED FOR RECORD IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER'S LICENSE NUMBER.

SPECIAL WARRANTY DEED

Date August 1, 2019

Grantor CITY OF GALVESTON, pursuant to that resolution of the City Council dated October 17, 2019

Grantor's Mailing Address

823 Rosenberg

Galveston, Texas 77550

Grantee GALVESTON BAY FOUNDATION

Grantee's Mailing Address

City Hall

823 Rosenberg, Rm 203

Galveston, TX 77550

Consideration

One Dollar Cash and other valuable consideration, receipt and sufficiency of which are hereby acknowledged.

Property

Being that approximately 10-acre tract of land located in Galveston County, Texas, as more particularly described on Exhibit A, attached hereto and incorporated herein by reference for all purposes.

Covenants, Reservations from and Exceptions to Conveyance and Warranty

1. This conveyance is subject to those conditions stated herein for all purposes set forth in Exhibit B.

2. Taxes and special assessments are prorated as of this date, and Grantee assumes and agrees to pay same.

3. Further, mineral interests have been reserved by a predecessor in title and are not a part of this conveyance.

4. The grantee covenants that it will preserve the property in its current state as a wetland preserve.

5. The grantees covenants that no improvements will be made on the property except the following activities are permitted:

   (a) A sign; limited to a maximum of eight square feet per sign noting the property has been designated as a wetland preserve and is under the ownership and control of GBF;

   (b) Habitat enhancement devices such as birdhouses and bat houses

   (c) Tree stands and blinds for nature study.

   (d) No Invasive Species may be introduced and GBF will use its best efforts to control the introduction and spread of invasive species such as kudzu and other non-native vegetation;

   (e) Cutting trees, Construction, or other disturbance of resources, including removal of Invasive Species, to the extent reasonably prudent to remove, mitigate, or warn against an unreasonable risk of harm to the health persons or of Native Species on or about the Property;
   .

   (f) Planting, replanting, and maintaining Native Species or, Planting, replanting, and maintaining other vegetation such as may be necessary to ensure continued existence of the area as a wetland;

(g) Other activities that GBF determines are consistent with maintenance of the property as a wetland area

Grantor, for the consideration and subject to the Reservations from and Exceptions to Conveyance and Warranty, grants, sells, and conveys to Grantee the Property, together with all and singular the rights and appurtenances thereto in any wise belonging, to have and hold it unto Grantee and Grantee's successors and assigns, and Grantor binds itself, its successors and assigns to warrant and forever defend all and singular the Property to Grantee and Grantee's successors and assigns against every person whomsoever lawfully claiming or to claim the same or any part thereof, by, through, or under Grantor, but not otherwise, except as to the Reservations from and Exceptions to Conveyance and Warranty; but the above conveyance is made subject to the following limitation, that the property granted shall endure only so long as the property is preserved as a wetland area in compliance with the covenants defined herein; such limitation to be binding upon and to be observed by the grantee herein as well as its heirs, successors, administrator and assigns and to run in favor of and be enforceable by any person who shall hereafter own the above described lands. Also, when said period of limitation shall cease to endure, then and thereupon this conveyance shall be null and void and the said lands and premises shall absolutely revert to Grantor herein, its heirs and assigns without necessity for suit or re-entry; and no act or omission on the part of any beneficiary of this clause shall be a waiver of the operation or enforcement of such condition..

GRANTEE AGREES TO TAKE THE PROPERTY "AS-IS," "WHERE-IS," AND WITH ALL FAULTS AND CONDITIONS AND LATENT AND PATENT DEFECTS THEREON. GRANTEE ACKNOWLEDGES AND AGREES THAT, EXCEPT FOR THE EXPRESS REPRESENTATIONS AND WARRANTIES SET FORTH ABOVE AND IN THE AGREEMENT, GRANTOR HAS NOT MADE, DOES NOT MAKE, AND SPECIFICALLY DISCLAIMS, AND GRANTEE IS NOT RELYING AND SHALL NOT RELY ON, ANY REPRESENTATIONS, WARRANTIES, PROMISES, COVENANTS, AGREEMENTS, OR GUARANTEES OF ANY KIND OR CHARACTER WHATSOEVER, WHETHER EXPRESS OR IMPLIED, ORAL OR WRITTEN, PAST, PRESENT, OR FUTURE, OF, AS TO, CONCERNING, OR WITH RESPECT TO THE NATURE, QUALITY, OR CONDITION OF THE PROPERTY, BUT RATHER, GRANTEE IS RELYING AND SHALL RELY ONLY ON ITS OWN INSPECTION OF THE PROPERTY AND ITS OWN JUDGMENT.

When the context requires, singular nouns and pronouns include the plural.

[SIGNATURES ON FOLLOWING PAGES]

Grantor

City of Galveston

By: _____

Brian A Maxwell

City Manager

STATE OF TEXAS §

§

COUNTY OF GALVESTON §

The foregoing instrument was acknowledged before me this _____ day of October, 2019, by Brian A Maxwell, acting in his capacity as City Manager of and on behalf of the City Council of the City of Galveston.

_____

Notary Public, State of Texas

Grantee

GALVESTON BAY FOUNDATION, INC.

By: _____

Name:_____

Title: _____

STATE OF TEXAS §

§

COUNTY OF GALVESTON §

The foregoing instrument was acknowledged before me this _____ day of _____, 2019, by _____, acting in his/her capacity as _____ of and on behalf of the City of Galveston.

_____

Notary Public, State of Texas

After recording, please return to:

Donald S. Glywasky

City Attorney

823 Rosenberg Room 203

Galveston Texas 77550

Exhibits to be attached to Deed:

Exhibit A – Legal Description of the Property

Exhibit B-Permitted Exceptions

EXHIBIT A

TO DEED

LEGAL DESCRIPTION

BEING A 10.00 (435,600 SQ. FT.) ACRE PARCEL OF LAND, SITUATED IN THE HALL AND JONES SURVEY, ABSTRACT NO. 121, IN GALVESTON COUNTY, TEXAS, AND BEING THE NORTH HALF OF LOT 416 & 407 IN THE TRIMBLE AND LINDSEY SURVEY, SECTION 1, CONVEYED TO GALVESTON INDEPENDENT SCHOOL DISTRICT, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS (ALL BEARINGS BASED ON TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE 4204, NORTH AMERICAN DATUM OF 1983 (NAD83) SURFACE COORDINATES).

BEGINNING AT A 1 INCH IRON ROD FOUND AT THE NORTHWEST CORNER OF THE NORTH HALF OF SAID LOT 416, (NORTHING 13678166.31 EASTING 2073708.69);

THENCE NORTH 89° 55' 19" EAST, ALONG THE NORTH LINE OF SAID LOT 416 AND 407 BEING COMMON WITH THE SOUTH LINE OF A CALLED 457.548 ACRE TRACT OF LAND CONVEYED TO THE GALVESTON BAY FOUNDATION, AT 330.00 FEET PASSING A 1 INCH IRON ROD AT THE NORTHEAST CORNER OF THE NORTH HALF OF LOT 416 SAME BEING THE NORTHWEST CORNER OF THE NORTH HALF OF LOT 407, CONTINUING A TOTAL DISTANCE OF 660.00 FEET TO A 1 INCH IRON PIPE FOUND AND BEING THE NORTHEAST CORNER OF THE NORTH HALF OF SAID LOT 407;

THENCE SOUTH 00° 04' 51" EAST, 660.00 FEET ALONG THE EAST LINE OF THE NORTH HALF LOT 407 TO A 5/8 INCH IRON ROD FOUND AND BEING THE SOUTHEAST CORNER OF THE NORTH HALF OF SAID LOT 407;

THENCE SOUTH 89° 55' 19" WEST, ALONG THE NORTH LINE OF THE SOUTH HALF OF LOT 416 & 407 OF THE TRIMBLE AND LINDSEY SURVEY, SECTION ONE, CONVEYED TO LAMPSON NGUYEN RECORDED IN CLERK'S FILE NO. 2018055145 GALVESTON COUNTY OFFICIAL PUBLIC RECORDS, AT 330.00 FEET PASSING A 1/2 INCH IRON ROD AT THE SOUTHWEST CORNER OF THE NORTH HALF OF LOT 407 SAME BEING THE SOUTHEAST CORNER OF THE NORTH HALF OF LOT 416, CONTINUING A TOTAL DISTANCE OF 660.00 FEET TO A 5/8 INCH IRON ROD STAMPED "ATKINS" SET AND BEING THE SOUTHWEST CORNER OF THE NORTH HALF OF SAID LOT 416;

THENCE NORTH 00° 04'51" WEST, 660.00 FEET ALONG THE WEST LINE OF THE NORTH HALF OF SAID LOT 416 TO THE POINT OF BEGINNING, CONTAINING 10.00 ACRES (435,600 SQ. FT.) OF LAND IN GALVESTON COUNTY, TEXAS.

EXHIBIT B

TO DEED

PERMITTED EXCEPTIONS

This conveyance is made and accepted subject to all the restrictions, covenants and conditions, easements, set-back lines, charges, mineral interests, reserved and/or granted, and rights-of-way either apparent or of record in the Office of the County Clerk of Galveston County, Texas, including, but not limited to, the following, which are also reservations from and exceptions to conveyance and warranty:

1. Any titles or rights asserted by anyone, including, but not limited to persons, the public, corporations, governments or other entities, to tidelands, or lands comprising the shores or beds of navigable or perennial rivers and streams, lakes, bays, gulfs or oceans, or to lands beyond the line of the harbor or bulkhead lines as established or changed by any government, or to filled-in lands, or artificial islands, or to statutory water rights, including riparian rights, or to the area extending from the line of mean low tide to the line of vegetation, or the rights of access to that area or easement along and across that area.
2. Any zoning ordinances now in force in the City of Galveston, Texas.
3. Rights of parties in possession.
4. Any and all visible and or apparent easements over, under, or across the Property which a survey or physical inspection may disclose.
5. Any encroachment, encumbrance violation, variation or adverse circumstance affecting the title that would be disclosed by an accurate and complete land survey of the land.
6. Any portion of the Property lying within the boundaries of a public or private roadway, whether dedicated or not.
7. Terms, conditions and stipulations contained in that certain un-recorded City of Galveston Resolution No. _____.
8. All leases, grants, exceptions or reservations of coal, lignite, oil, gas and other minerals, together with all rights, privileges and immunities relating thereto, appearing in the Public Records.
9. Any and all unrecorded leases and/or rental agreements, with rights of tenants in possession.
10. Any right, title, interest or claim (valid or invalid) of any character had or asserted by the State of Texas or by any other Government or Governmental Authority or by the

public generally (1) in and to portions of the above described Property which may be within the bed, shore or banks of a perennial stream or lake navigable in fact or in law or within the bed or shores or the beach adjacent thereto of a body of water affected by the ebb and flow of the tide; and (2) in and to portions of the above described Property which may be between the water's edge and the line of vegetation on the upland or for any claim or right of ingress thereto or egress therefrom.

City of Galveston

DEPARTMENT OF MUNICIPAL UTILITIES

Robert Pugh, Director of Municipal Utilities

rpugh@galvestontx.gov| Office Number: (409) 797-3960 | www.galvestontx.gov

Date: October 9, 2019

To: Brian Maxwell, City Manager
Honorable Mayor and City Council Members

From: Robert Pugh, Director of Municipal Utilities

RE: Consider approving a Resolution supporting the City of Galveston's $300,000 Funding Group 1 Grant application to the United States Department of the Interior, Bureau of Reclamation's (USBR) "WaterSMART Grants: Water and Energy Efficiency Grants for Fiscal Year 2020," including $450,000 in City matching funds to support the City's water loss mitigation program.

I. Background

A. In March 2018, the City of Galveston commissioned a non-revenue (NRW) analysis with Cavanaugh and Associates, P.A. (Cavanaugh) per the standards of the American Water Works Association's (AWWA) "Water Audit Method" and "The M36 Manual for Water Audits and Loss Control Programs." The results of this audit revealed substantial water loss at levels greater than optimal for a system with the characteristics and operation of the Galveston water utility. The report estimated a water loss of 1,031 MG/year at an economic value of $2.57 Million for the 2018 Calendar year and recommended an annual economic water loss target of $316 MG/Year with an economic value of $733,626. This reduction in water loss would achieve savings of 715 MG/year, or $1.837 Million. Based on the findings, Cavanaugh recommended:

1. Implementation of a pro-active leak detection program;
2. Developing a system-wide asset management program;
3. Developing a District metering area program; and
4. Developing a methodology to manage and optimize pressure throughout the water delivery system.

B. On March 28, 2019 the City Council approved a Professional Services Agreement (Agreement) with Pure Technologies, U.S., Inc. in the amount of $395,100 for implementation of a NRW program aimed at reducing water leakage and lost revenue in the Combined Utility System Fund. (RFP #19-09, "Water Loss Mitigation/Non-Revenue Water Loss Control Program Plan). The Agreement encompasses a Phase I Scope of work as follows:

Robert Pugh, Director of Municipal Utilities
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1. A "Mass balance" of purchased water to monitor leakage in the primary water mains;
2. Identify customer meter inaccuracies with targeted algorithms in lieu of random metering sampling;
3. Establishment of District Metered Areas on the Island's west end; and
4. Conducting a City-wide leak inspection survey.

C. On March 28, 2019 the City Council approved an update to Galveston's Water Conservation Plan which provided for water loss reduction goals that are 40% greater than state recommended targets. These goals were crafted assuming that the NRW program would be implemented.

D. On March 28, 2019 the City Council approved Resolution No. 19-015 authorizing the application of a $1.5M in WaterSMART Grant to the USBR to support the NRW program under Funding Group 2. The Resolution approved the City committing a local cash contribution in the amount of $1,551,050 (51%) to meet the total project cost requirement of $3,051,050. The City was not selected to receive the grant.

E. On September 6, 2019 a conference call was conducted with USBR to review the City's WaterSMART Grant application and received feedback to improve future applications. It was determined that 111 applications were submitted, 62 for Funding Group 1 ($300k Grant) and (49 for Funding Group 2 ($1.5M Grant). 45 were selected for Grant approval, with 28 being Group 1 and 17 from Group 2. Accordingly, Funding Group 2 applications were determined to be more competitive and it was recommended that applying for future Funding Group 1 grants would increase the probability of success.

F. On October 3, 2019 the City submitted a $300k FY2020 WaterSMART Grant application to USBR with proposed 60% funding by the City ($450k) for a total project cost of $750k.

II. Current Situation

A. On October 3, 2019 the City submitted a $300k Funding Group 1 Grant application to the United States Department of the Interior, Bureau of Reclamation's (USBR) "Water SMART Grants: Water and Energy Efficiency Grants for Fiscal Year 2020," including $450k in City matching funds to support the City's water loss mitigation program. Obtaining $300k in Grant funds will reduce the amount of City expenditures for the NRW program cost.

III. Issues:

Robert Pugh, Director of Municipal Utilities
rpugh@galvestontx.gov| Office Number: (409) 797-3960 | www.galvestontx.gov

A. Cost: The city would provide 60% ($450k) in matching funds for the $300k grant to support the estimated total cost of $750k of the Phase I program. The estimated total cost includes the Pure Technologies U.S. Inc. Agreement, staff salaries and wages, and Civil site work to install meters for District Metered Areas (DMAs).
B. Timing: Approving the Resolution will confirm the City's commitment to provide 60% ($450k) in matching funds for the USBR Funding Group 1 WaterSMART Grant application submitted on October 3, 2019 and enhance the probability of award.
C. Liability: The City does not have any foreseeable liability related to applying for or receiving the Grant.
D. Impact of Ramifications: Obtaining a $300k USBR WaterSMART Grant will reduce the City's cost of funding the NRW program.

IV. Alternatives in order of priority

A. Approve the Resolution for the $300k USBR Funding Group 1 WaterSMART Grant Application with 60% ($450k) City participation for a total project cost of $750k.
B. Do not approve the Resolution for the $300k USBR Funding Group 1 WaterSMART Grant Application with 60% ($450k) City participation for a total project cost of $750k.

V. Recommendation

Approve the Resolution for the $300k USBR Funding Group 1 WaterSMART Grant Application with 60% ($450k) City participation for a total project cost of $750k.

VI. Fiscal Impact Report

Requested by:	Robert Pugh Director of Municipal Utilities
Funding Source:	Combined Utility System Fund, Water and Sewer Certificates of Obligation and potential WaterSMART Grant Funds.
Cost of Implementation	$450,000.00

City of Galveston

DEPARTMENT OF MUNICIPAL UTILITIES

Robert Pugh, Director of Municipal Utilities

rpugh@galvestontx.gov| Office Number: (409) 797-3960 | www.galvestontx.gov

Respectfully Submitted,

_____

Robert Pugh, Director of Municipal Utilities

Forwarded for Approval,

_____

Brandon Cook, Assistant City Manager of
Development and Municipal Services

RESOLUTION NO. 20-XXX

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF GALVESTON, TEXAS, SUPPORTING A REQUEST TO THE UNITED STATES DEPARTMENT OF THE INTERIOR, BUREAU OF RECLAMATION POLICY AND ADMINISTRATION FOR WATERSMART: WATER AND ENERGY EFFICIENCY GRANTS FOR FISCAL YEAR 2020 FUNDING IN THE AMOUNT OF THREE HUNDRED THOUSAND DOLLARS ($300,000) FOR VARIOUS WATER EFFICIENCY AND CONSERVATION PROJECTS WITHIN THE CITY OF GALVESTON; AUTHORIZING THE CITY MANAGER OR HIS DESIGNEE TO SUBMIT ALL REQUIRED GRANT APPLICATIONS, INFORMATION AND DATA TO SUPPORT SAME; MAKING VARIOUS FINDINGS AND PROVISIONS RELATED TO THE SUBJECT; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the United States Department of the Interior, Bureau of Reclamation Policy and Administration has announced the Fiscal Year 2020 grant program for "WaterSMART Grants: Water and Energy Efficiency Grants for Fiscal Year 2020"; and

WHEREAS, the grants available are calculated to improve water conservation and eligible projects include Municipal metering; and

WHEREAS, the "WaterSMART Grants" exclude normal operation and maintenance, water reclamation and groundwater reclamation among other things; and

WHEREAS, the City of Galveston has developed a WaterSMART application request for funds to install water service meters and install distribution systems meters associated with production and/or leakage quantification; and

WHEREAS, the City hereby commits to provide a local cash contribution in the amount of $450,000 (60%) to meet the total project cost requirement of $750,000; and

WHEREAS, the City is committed to maintaining the equipment purchased with WaterSMART funding throughout the useful life of the project; and

WHEREAS, the City Council of the City of Galveston deems it in the public interest to authorize the City Manager or his designee to take necessary actions to apply for funding from the United States Department of Interior, Bureau of Reclamation Policy and Administration's program for "WaterSMART Grants: Water and Energy Efficiency Grants for Fiscal Year 2020";

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GALVESTON, TEXAS:

SECTION 1. The findings and recitations set out in the preamble to this Resolution are found to be true and correct and are hereby adopted by the City Council and made a part hereof for all purposes.

SECTION 2. The City Council of the City of Galveston hereby authorizes the City Manager to take the following actions in response to the United States Department of Interior, Bureau of Reclamation Policy and Administration's program for "WaterSMART Grants: Water and Energy Efficiency Grants for Fiscal Year 2020:

1. The City Manager's application, required documentation and data associated with the request for $300,000 of federal WaterSMART funding is hereby ratified;

2. The City Manager is authorized to represent that the City of Galveston will make $450,000 available to match the WaterSMART funding, if approved by Department of the Interior; and

3. The City Manager is authorized to represent that the City of Galveston agrees to maintain water distribution equipment purchased through the WaterSMART program for the entirety of its useful life.

SECTION 3. This Resolution shall be and become effective from and after its adoption.

APPROVED AS TO FORM:

_____
DONALD GLYWASKY
CITY ATTORNEY

I, Janelle Williams, Secretary of the City of Council of the City of Galveston, do hereby certify that the foregoing is true and correct copy of a Resolution adopted by the City Council of the City of Galveston at its Regular Meeting held on the 17th day of October, 2019, as the same appears in records of this office.

IN TESTIMONY WHEREOF, I subscribe my name hereto officially under the corporate seal of the City of Galveston this 17th day of October, 2019.

_____
Secretary of the City Council
of the City of Galveston

Memorandum of Understanding

This Memorandum of Understanding, executed by the Department of Continuing Education at Galveston College (GC) and the City of Galveston (COG) to provide as series of four courses which make up the Leadership Pathway training for the COG. The rates stated below are valid until September 30, 2021.

STATEMENT OF SERVICES:

GC will provide qualified professional trainers for the Leadership Pathway training that consists of a series of courses that will be repeated on an annual basis for COG employees with a minimum of 10 people per class. Students who successfully complete these courses will be given a certificate of Completion, and CEU'S will be transcripted. Class schedules will be coordinated by the GC Coordinator and COG Executive Director of Human Resources and held at Galveston College.

Courses	**Rate**
1. **Understanding the Human Resources Function: Managing Human Assets**	**$159 per person**
2. **Public Administration: Leadership Vs. Management**	**$299 per person**
3. **Leadership Transparency and Communication**	**$299 per person**

Responsibilities of Galveston College:

- Register each student referred by the COG Executive Director of HR
- Provide a qualified instructor to teach the Leadership Pathway courses with the necessary course materials needed for the class
- Be responsive to student needs during class
- Galveston College will work with the City of Galveston and the trainer to implement and schedule the trainings at Galveston College
- Invoice the City of Galveston at the contract rate amount for each student per course upon completion
- Provide students with GC certificates upon completion of course; students must be in attendance the entire time of the class and be identified by the instructor
- If GC must cancel a class, a make-up class will be rescheduled as expeditiously as possible to reschedule COG employees
- GC provide feedback to COG Executive Director of HR on attendance and evaluation of classes

Responsibilities of the City of Galveston:

- Employees will sign-up for scheduled training classes through COG
- GC with provide a sign-in sheet of employees registered for assigned classes
- Employees must have a COG ID to attend classes and be listed on the GC registration roster
- Inform GC at least 24 hours prior to class if a class must be cancelled so it can be rescheduled
- Provide full payment upon receipt of invoice for the services performed by Galveston College

It is mutually agreed that amendments may be made to this Memorandum of Understanding by mutual consent of the signatories.

For Galveston College: _____Date: _____
Myles Shelton, Ed. D., President

For Galveston: _____ Date: _____
Brian A. Maxwell, City Manager

October 17, 2019

To: Brian Maxwell, City Manager
Hon. Mayor and City Council Members

From: Tesa Wrobleski, FEMA Public Assistance Program Manager

RE: Consider approval of DCMC Partners Task Order #2 to the Disaster Services contract awarded on October 31, 2018 authorizing the expenditure of an amount not to exceed $105,968.00 for Technical Assistance and disaster consulting services and authorizing the Finance Director to utilize local funds in advance of anticipated reimbursement.

I. Background

The City of Galveston entered into contract with DCMC, LLC. Dba DCMC Partners (Company) on October 31, 2018 for disaster consulting services.

A. As a result of Hurricane Harvey the City hired DCMC partners to develop 7 Notice of Intent applications for the Hazard Mitigation Grant Program (HMGP) in April 2018 for submittal to the Texas Division of Emergency Management (TDEM).

B. The City was notified by TDEM that all 7 projects were potentially eligible projects and asked to submit applications for all 7 projects.

C. The City and DCMC completed 7 HMGP detailed application packages with Benefit Cost Analysis detail and submitted to TDEM in the fall of 2018.

D. TDEM selected the 15th street project to submit to FEMA for project funding.

E. TDEM and FEMA worked with the City of Galveston on the 15th street project proposal and has selected the 15th Street drainage proposal for funding.

E. The 15th street drainage project will be completed in 2 phases.

F. TDEM and FEMA have currently awarded Phase I of the project which includes the Design and Engineering Phase Services for an amount not to exceed $2,660,512.00. This amount is 75% federal funded ($1,995,384) 25% local ($665,128).
G. Upon successful completion of the engineering in Phase I, the City will submit the completed application (completed by the City and DCMC) to TDEM and FEMA for the Phase II construction of the project. The Phase II Construction project is currently estimated at $28,793,800.

II. Current Situation

TDEM and FEMA have awarded Phase 1 for the Hurricane Harvey HMGP project for an amount of $2,660,512.00. DCMC Partners assistance is needed to support the downtown drainage Hazard Mitigation Grant Proposal (HMGP) awarded by FEMA and TDEM for the Phase I project.

The approval of DCMC Partners Task Order #2 is for a not to exceed $105,968.00 to assist the in-house FEMA Public Assistance Program Manager with the Phase I deliverables for the FEMA/TDEM grant award through design, engineering, and proposal development needed to get the project to Phase 2 submittal to TDEM and FEMA for the award of construction funding.

1. Funding Source - $105,968.00. GO Bonds (75% Federal $79,476.00) (25% Local $26,492.00), the General fund, the Infrastructure and Debt fund, and the Settlement and Capital Reserve Fund.
2. Timing – The need is immediate.

III. Alternatives in order of priority

A. Approval of DCMC Task Order #2 with DCMC Partners.
   1. Funding Source – The not to exceed cost of $105,968.00 will be paid from the GO Bonds, the General fund, the Infrastructure and Debt fund, and the Settlement and Capital Reserve Fund.
2. Timing – The timing is immediate to support the 404 HMGP Award.

B. Do not approve Task Order #2 with DCMC Partners.
   1. Cost – No Additional cost at this time.

2. Impact or Ramifications – The City will not have outside expertise to assist with HMGP Award deliverables and the application for the Phase 2 of the grant which will result in Phase 2 construction of the project not being funded.

IV. Recommendation

Concur with Alternative A and approve the not to exceed amount of $105,968.00.

August 28, 2019

Tesa Wrobleski, Disaster Recovery
City of Galveston
825 Rosenberg Street
Galveston, TX 77550

Dear Ms. Wrobleski –

On behalf of DCMC Partners, I am pleased to provide you with this task order for Hazard Mitigation grant management for the Phase I activities for the 14th street drainage project. This task order is based on the recently awarded contract between the City of Galveston and DCMC, LLC (dba DCMC Partners), signed October 04, 2018.

DCMC Partners is a crisis management and public safety consulting firm that helps public and private organizations approach the unknown with confidence. Our firm brings extensive experience managing and implementing the FEMA Public Assistance (PA) and Hazard Mitigation Grant (HMGP) programs, including helping clients across the country obtain and keep well over $21 billion in FEMA funding, plus billions more from other Federal agencies and insurance. We have managed recovery efforts and solved many of the most challenging and complex problems standing in their way, securing literally billions of dollars more assistance for our clients than FEMA originally offered through our efforts. DCMC Partner has an extensive background working with municipalities to develop public assistance claims. Currently, members of the DCMC Partners are currently working with impacted communities throughout Texas.

DCMC Partners understands the City of Galveston is seeking technical assistance in managing the Phase I activities that include attendance at the design development meetings, development of the final benefit cost analysis, development of the Phase II application and completion of the environmental and historical concurrence letters. To support this need, DCMC proposes engaging one of our Senior Recovery Specialists, Rick Patterson, as your point of contact to manage the work. Additionally, DCMC Partners provides the following table of activities and projection of hours by resource to complete these tasks:

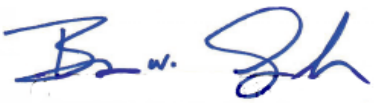
Tasks and Activities	Position Title	PM	SME	SME TS	GM	GM TS
	Hourly Rate	$ 154.00	$142.00	$ 168.00	$ 126.00	$ 150.00
404 Project Implementation Kick-off Meeting; Status update reports		3		20	4	
Bid/procurement/contracting activities; Status update reports		3		20	4	

Tasks and Activities	Position Title	PM	SME	SME TS	GM	GM TS
	Hourly Rate	$ 154.00	$142.00	$ 168.00	$ 126.00	$ 150.00
Design/engineering development meetings; Status update reports		20	20	20		
Final scope development; Status update reports		10	10	20		
Final project site data collection; Status update reports				20		
Final cost estimate development; Status update reports		5	15	20		
Final BCA development; Status update reports		10	30			
Final EHP data collection & drafting; Status update reports		15	20	40		
Phase 2 project schedule and workplan development; Status update reports		10	10	20		
Phase 2 application package drafting & assembly; Status update reports		10	30			
Review of phase 2 application package; Final revisions to Phase 2 application package; Status update reports		4		40		
Submission of Phase 2 application package to TDEM; Status update reports			20			
Phase 2 application management during review process; Status update reports		10	25			
Grant Management and Payment requests for Phase 1 activities		20	20		120	40

To provide the services and deliverables described above, DCMC Partners proposes a cost not to exceed $105,968.00. This estimate is based on the attached budget to manage the hazard mitigation grant, utilizing the rate sheet contained in our proposal, to include using both the regular rate and the rate that includes expenses, as travel for staff is anticipated in this project. DCMC will only bill for work actually performed.

DCMC Partners appreciates the opportunity to support the City of Galveston with its recovery efforts.. After you have considered this task order, we would be happy to discuss any questions you may have. We want this engagement to work and to be successful for the City, in hopes of establishing and maintaining a long-term relationship into the future. If you would like to discuss this proposal, please contact me.

Sincerely,



Barry W. Scanlon, Partner
DCMC Partners
bscanlon@dcmcpartners.com
(571)-233-3137

ENGAGEMENT AUTHORIZATION

By signing below, City of Galveston("Client") agrees to the described scope of work and authorizes DCMC, LLC (d.b.a. DCMC Partners – "Consultant") to proceed with work necessary under this engagement. The signatory also stipulates that he/she is authorized to sign on behalf of Client and to commit the necessary funds to pay for completion of the project.

_____

Authorized Signature

_____

Printed Name

_____

Title

_____

Date

City of Galveston

P. O. Box 779 / Galveston, Texas 77553-0779

Staff Report

October 17, 2019

Brian Maxwell, City Manager
Honorable Mayor and City Council Members

Subject: Consideration of Annual (2019-2020) Service Plan Update for Bayside @ Waterman's Public Improvement District (PID) and associated Resolution thereof.

I. Background

A. By Resolution adopted by City Council, on October 28, 2014, authorized the PID in accordance with its finding as to the advisability of certain public improvement projects (the "Authorized Improvements") which were subject to a series of previous Public Hearings, that the PID is to implement.

B. City Council adopted Ordinance No. 14-063 on December 11, 2014, which levied assessments for public improvements on property within the PID boundaries as set forth in the Service and Assessment Plans and Assessment Roll for the PID, and included some $9.6 Million in Special Assessments Bonds for the Authorized Improvements.

C. Authorized Improvements include Water, Wastewater, Streets, Landscaping, and Public Parking.

D. The associated Service and Assessment Plan covers a period of at least five years, and must also define the annual indebtedness and projected costs for improvements.

E. The Service and Assessment Plan (SAP) must be reviewed and updated annually for the purpose of determining the annual budget for capital improvements, and the 2019-2020 update has been prepared for City Council consideration.

F. The SAP includes a summary of projected cash flow on page 3, of all annual installments, delinquent annual installments, penalties, and interest in in the 2019-2023 period.

II. Current Situation

City Council is requested to consider approval of the 2019-2020 Service and Assessment Plan (Exhibit A attached) and the adoption of the associated Resolution.

III. Alternatives in order of priority

A. City Council approves the resolution.

1. Cost – None.
2. Timing – Annual update required.
3. Divisional Improvements – Service and Assessment Plan update to Authorized Improvements associated with the Bayside at Waterman's PID.

B. City Council does not approve the resolution.

1. Cost – None, however Special Assessment Bonds for the Authorized Improvements Require Service and Assessment Plan be updated annually.
2. Timing – Annual update required.
3. Divisional Improvements - Service and Assessment Plan update to Authorized Improvements associated with the Bayside at Waterman's PID.

IV. Recommendation

Concur in Alternative A and approve the 2019-20 Service Plan Update.

V. Fiscal Impact Report

Requested by	Garrett McLeod Economic Development Coordinator
Funding Source	None at this time – PID is utilizing Special Assessments (on the platted lots) to debt service the Special Assessment Bonds for the Authorized Improvements (Infrastructure).
Savings Estimation	N/A

VI. Environmental Impact

N/A

Respectfully Submitted,

_____

Garrett McLeod
Economic Development Coordinator

www.FinanceDTA.com

ANNUAL SERVICE AND ASSESSMENT PLAN (SAP) UPDATE (2019)

CITY OF GALVESTON

BAYSIDE AT WATERMAN'S PUBLIC IMPROVEMENT DISTRICT

Report Date: [Insert Date]

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ANNUAL SERVICE AND ASSESSMENT PLAN (SAP) UPDATE (2019) BAYSIDE AT WATERMAN'S PUBLIC IMPROVEMENT DISTRICT

Prepared for:

City of Galveston

823 Rosenberg St., Galveston, Texas 77550

Attention: Mike Loftin, Finance Director

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I INTRODUCTION

The Bayside at Waterman's Public Improvement District (the "PID") was created by the City Council of the City of Galveston (the "City") by resolution on October 28, 2014 in accordance with the Public Improvement District Act, being Chapter 372 of the Texas Local Government Code (the "PID Act") to finance and/or reimburse the costs of certain public improvements (the "Projects" or "Improvements") for the benefit of the property in the PID. A service and assessment plan (the "Service and Assessment Plan") was subsequently prepared at the direction of the City identifying the Projects and their estimated costs, the manner of assessing the property in the PID for the costs of the Projects, and the indebtedness to be incurred. Following a public hearing held on June 26, 2014, which was continued to July 24, 2014, then August 28, 2014, and finally concluded September 11, 2014, the City accepted and approved the Service and Assessment Plan and levied assessments by ordinance on December 11, 2014. The $9,600,000 PID Special Assessment Revenue Bonds, Series 2014 (the "Series 2014 Bonds") were issued in December 2014 pursuant to the bond ordinance approved by the City on December 11, 2014.

Pursuant to Sections 372.013 and 372.014 of the PID Act and the ordinance approving this Annual Service Plan Update to the Service and Assessment Plan (the "Annual Service Plan Update"), the Service and Assessment Plan is to be reviewed and updated annually in August of each year or as soon thereafter practical and is to include an Assessment Plan. This Annual Service Plan Update for 2019 is comprised of the following parts:

- Service Plan Update;
- Assessment Plan; and
- Assessment Roll

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II ANNUAL SERVICE PLAN UPDATE

Section 372.013 of the PID Act requires that the Annual Service Plan Update (i) define the annual indebtedness and the projected costs of the Projects and (ii) cover a period of at least five (5) years. Please refer the following tables for the aforementioned information.

A PID Bonded Indebtedness

The sources and uses of funds for the Series 2014 Bonds is shown in **Table II-1** below. No other Bonds are presently contemplated.

Table II-1: Sources and Uses of Funds for the Series 2014 Bonds

Type of Fund	Dollar Amount
SOURCES OF FUNDS	
BONDS PROCEEDS	$9,600,000
ORIGINAL ISSUE DISCOUNT	($145,373)
TOTAL SOURCES OF FUNDS	**$9,454,627**
USE OF FUNDS	
PROJECT COSTS	$6,875,595
CAPITALIZED INTEREST	$871,810
RESERVE FUND	$728,875
COST OF ISSUANCE	$978,347
TOTAL USES OF FUNDS	**$9,454,627**

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B Five Year PID Cash Flow Projections

Projected debt service and assessment installments for a five (5) year period are shown in **Table II-2** below.

Table II-2: 5-Year Cash Flow Projections

		Tax Year				
Description	**Total***	**2019**	**2020**	**2021**	**2022**	**2023**
Revenues						
Assessment Installments[1]	$4,103,932	$820,934	$811,298	$826,683	$815,559	$829,458
Capitalized Interest	$0	$0	$0	$0	$0	$0
Capitalized Interest Earnings Credit	$0	$0	$0	$0	$0	$0
Reserve Fund Earnings Credit	$0	$0	$0	$0	$0	$0
Total Revenues	**$4,103,932**	**$820,934**	**$811,298**	**$826,683**	**$815,559**	**$829,458**
Expenditures						
Bond Interest[2]	$2,627,656	$546,063	$536,219	$526,375	$515,125	$503,875
Bond Principal[3]	$975,000	$175,000	$175,000	$200,000	$200,000	$225,000
Prepayment Reserve	$87,850	$18,300	$17,950	$17,600	$17,200	$16,800
Delinquency Reserve	$131,775	$27,450	$26,925	$26,400	$25,800	$25,200
Administrative Expenses	$281,651	$54,122	$55,204	$56,308	$57,434	$58,583
Total Expenditures	**$4,103,932**	**$820,934**	**$811,298**	**$826,683**	**$815,559**	**$829,458**

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Note: May not sum due to rounding.

C Description of Projects

A description of each of the public improvement Projects is listed below.

C.1 Water System Improvements

The water system improvements consist of waterlines pipes within the right-of-way (ROW) of the site which tie into the existing waterline in Stewart Road.

C.2 Wastewater Improvements

The sanitary sewer improvements include collection lines along Stewart Road and

1 Assessments are payable by January 31 following the tax year shown.
2 Scheduled interest on the bonds due in the year following the applicable tax year shown.
3 Scheduled principal on the bonds due in the year following the applicable tax year shown.

throughout the site, along with manholes, that collect and transmit the wastewater flows from the residential section to the existing main City collection system in Stewart Road.

C.3 Drainage

The drainage improvements consist of drainage swales and culverts with area inlets that collect the onsite drainage and outfall south to the existing drainage ditch along Stewart Road or east to Lake Como.

C.4 Landscaping and Earthwork

Earthwork for the site includes fill for the right-of-way and drainage access to the lots and other related improvements. The right-of-way embankment includes placement of fill and compacting to grade according to the construction plans to ensure street drainage and the required coverage for utilities. The lot access improvements include the placement of the fill to the specified grades to ensure positive drainage to the right-of-way and drainage outlets. Landscaping for the site includes the relocation of palm trees to designated green spaces, pedestrian pathways, and other public areas within the Project. Additional plantings and ground cover in the open spaces, medians, and other public areas will supplement the palm trees.

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C.5 Parking

Public parking improvements include parking spaces to the west of Stewart Mansion on either side of Waterman Way between the Mansion Court and the Lighthouse Court.

C.6 Streets and Roadways

The street and roadway improvements consist of:

- Waterman Way – Primary entry to the site commencing at Stewart Road to a roundabout where it widens with parking on either side until a second roundabout where it narrows to the remainder of the internal streets.
- Internal Streets – Internal public streets with concrete paving overlaid, or with decorative brick pavers, and ribbon curb.
- Stewart Road Medians – Widening of Stewart Road and the improvement of the road median with landscaping.

D Estimated Costs of Projects

The final costs of the Public Improvements funded by proceeds of the PID Bonds are shown in **Table II-3**.

Table II-3: Estimated Cost of Improvement Projects

Project	Original Estimated Cost	Costs Expended To-Date	Percent Expended
Hard/Soft Costs			
Water System Improvements	$608,647	$608,647	100%
Wastewater Improvements	$758,431	$758,431	100%
Drainage	$135,519	$135,519	100%
Landscaping & Earthwork	$2,408,553	$2,408,553	100%
Parking	$161,936	$161,936	100%
Streets and Roadways	$2,802,509	$2,802,509	100%
Grand Total	**$6,875,595**	**$6,875,595**	**100%**

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E Prior Tax Year's Annual Assessment Installment Collections

A summary of the Annual Installments, delinquent Annual Installments, foreclosure proceeds and prepaid assessments collected during the 2017-2018 and 2018-2019 Fiscal Years is presented in **Table II-4** below.

Table II-4: FY 2017-2018 and 2018-2019 Collections

Fiscal Year	Annual Installments Assessed	Annual Installments Collected as of October 2, 2018	Delinquent Penalty Collected as of October 2, 2018	Delinquent Interest Collected as of October 2, 2018	Outstanding Annual Installments to be Collected
2017-2018	$812,207.50	$795,068.23	$55,652.54	$15,871.23	$17,139.26
Fiscal Year	**Annual Installments Assessed**	**Annual Installments Collected as of February 11, 2019**	**Delinquent Penalty Collected as of February 11, 2019**	**Delinquent Interest Collected as of February 11, 2019**	**Outstanding Annual Installments to be Collected**
2018-2019	$804,060.40	$783,731.39	$0.00	$0.00	$20,329.01

On November 7, 2017, Laffite's Harbor Development II, LP, a Texas limited partnership (the "Developer"), the developer and primary landowner in the PID, filed a voluntary petition for relief pursuant to Chapter 11 of Title 11 of the Bankruptcy Code, 11 U.S.C. §101 et seq., in the United States Bankruptcy Court Southern District of Texas. On January 6,

2018, Icon Bank of Texas, N.A. ("Icon") filed a Motion for Relief from the Automatic Stay predicated, in part, on a lack of adequate protection to the diminution in value of their interests in the Developer's property.

On January 31, 2018, the Developer joined Icon and entered an Agreed Order Regarding the Automatic Stay pursuant to which Icon, at their discretion, was permitted to conduct a non-judicial foreclosure sale on or after March 6, 2018. On March 6, 2018, Icon foreclosed on the Developer's property. Following the foreclosure, the Developer no longer owns the property and is no longer responsible for the payment of Annual Installments of Assessments. The bankruptcy court ordered that the case be dismissed and the case was closed on April 17, 2018. Icon is now the owner of the majority of the property in the PID.

Icon has informed the City that under the terms of the foreclosure, it has no obligation to provide the Quarterly Improvement Implementation Report under the Disclosure Agreement and will make no filings pursuant to the Disclosure Agreement. Under the terms of the Disclosure Agreement, the City is not obligated to make or provide the Quarterly Improvement Implementation Report.

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III ASSESSMENT PLAN

Section 372.015 of the PID Act states that the governing body of the municipality shall apportion the cost of an improvement to be assessed against property in an improvement district, and the apportionment shall be made on the basis of special benefits accruing to the property because of the improvement. More specifically, the PID Act provides that the costs of the improvements may be assessed (i) equally per front foot or square foot; (ii) according to the value of the property as determined by the governing body, with or without regard to improvements on the property; or (iii) in any other manner that results in imposing equal shares of the cost on property similarly benefitted.

A Method of Assessment

The Service and Assessment Plan apportioned the cost of the Projects to residential property in proportion to the then estimated average buildout value (i.e., estimated completed home values). Assessments were then calculated and fixed for the following eight (8) lot types:

- Condominiums;
- Cottages;
- Garden;
- Fish Camp;
- Townhomes;
- Premium;
- Premium Plus; and
- Waterfront.

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In addition, one percent (1.00%) of the estimated cost of the Projects is allocated to the homeowners' association community center (the "HOA"). The resulting average PID assessments (the "Assessments") by lot type are shown in **Table III-1** on the following page.

Table III-1: PID Assessments

Lot Type	Lots	Estimated Buildout Value	Percent of Total	Total Assessment	Average Assessment Per Lot
Condominiums	10	$3,300,000	2.1%	$198,078	$19,808
Cottages	24	$16,800,000	10.5%	$1,008,398	$42,017
Garden	20	$15,500,000	9.7%	$930,367	$46,518
Fish Camp	23	$4,887,500	3.1%	$293,366	$12,755
Townhomes	18	$18,900,000	11.8%	$1,134,448	$63,025
Premium	12	$19,800,000	12.4%	$1,188,469	$99,039
Premium Plus	29	$36,250,000	22.7%	$2,175,859	$75,030
Waterfront	26	$42,900,000	26.8%	$2,575,016	$99,039
HOA Facilities	N/A	N/A	1.0%	$96,000	N/A
Total	**162**	**$158,337,500**	**100.0%**	**$9,600,000**	**N/A**

Note: May not sum due to rounding.

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B Annual Assessment Installments

The Assessments may be paid in full or in part at any time. If not paid in full, the Assessments are payable in thirty annual installments of principal and interest (the "Annual Installments") along with administrative expenses ("Administrative Expenses").

The Assessments commenced collection with the 2015 tax year. Pursuant to the Service and Assessment Plan and in accordance with Section 372.018 of the PID Act, the Assessments bear interest at the rate of interest on the Series 2014 Bonds plus one-half of one percent. The interest in excess of the interest on the Series 2014 Bonds (the "Excess Interest") is used to fund a prepayment reserve (the "Prepayment Reserve") and a delinquency reserve ("Delinquency Reserve"). The Excess Interest is allocated forty percent (40%) to the Prepayment Reserve and sixty percent (60%) to the Delinquency Reserve, until such time that the Prepayment Reserve and Delinquency Reserve equal one and one-half percent (1.50%) and four percent (4.00%), respectively, of the principal amount of the outstanding series 2014 Bonds. Administrative Expenses will be allocated to each tax parcel in proportion to its Assessment balance.

C Update of Assessment Roll

The Assessment Roll is to be updated each year to reflect (i) the Assessments and Annual Installments for each Tax Parcel in the PID and (ii) prepayments of the Assessments, if any. The Assessments in the Assessment Roll reflect the number and type of lots projected for each tax parcel as shown in the Service and Assessment Plan.

APPENDIX A

City of Galveston
Annual SAP Update (2019)
Bayside at Waterman's Public Improvement District

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ASSESSMENT ROLL

Annual Assessment Installments

All Tax Parcels

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$395,201.04	$395,201.04	$9,600,000.00	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$571,375.00	$571,375.00	$9,600,000.00	$50,000.00	$19,200.00	$28,800.00	$192,766.35
2016	$150,000.00	$571,375.00	$721,375.00	$9,600,000.00	$51,000.00	$19,200.00	$28,800.00	$820,375.00
2017	$150,000.00	$562,937.50	$712,937.50	$9,450,000.00	$52,020.00	$18,900.00	$28,350.00	$812,207.50
2018	$150,000.00	$554,500.00	$704,500.00	$9,300,000.00	$53,060.40	$18,600.00	$27,900.00	$804,060.40
2019	$175,000.00	$546,062.50	$721,062.50	$9,150,000.00	$54,121.61	$18,300.00	$27,450.00	$820,934.11
2020	$175,000.00	$536,218.76	$711,218.76	$8,975,000.00	$55,204.04	$17,950.00	$26,925.00	$811,297.80
2021	$200,000.00	$526,375.00	$726,375.00	$8,800,000.00	$56,308.12	$17,600.00	$26,400.00	$826,683.12
2022	$200,000.00	$515,125.00	$715,125.00	$8,600,000.00	$57,434.28	$17,200.00	$25,800.00	$815,559.28
2023	$225,000.00	$503,875.00	$728,875.00	$8,400,000.00	$58,582.97	$16,800.00	$25,200.00	$829,457.97
2024	$225,000.00	$491,218.76	$716,218.76	$8,175,000.00	$59,754.63	$16,350.00	$24,525.00	$816,848.39
2025	$225,000.00	$478,562.50	$703,562.50	$7,950,000.00	$60,949.72	$15,900.00	$23,850.00	$804,262.22
2026	$250,000.00	$465,906.26	$715,906.26	$7,725,000.00	$62,168.72	$15,450.00	$23,175.00	$816,699.98
2027	$275,000.00	$451,843.76	$726,843.76	$7,475,000.00	$63,412.09	$14,950.00	$22,425.00	$827,630.85
2028	$275,000.00	$436,375.00	$711,375.00	$7,200,000.00	$64,680.33	$14,400.00	$21,600.00	$812,055.33
2029	$300,000.00	$419,875.00	$719,875.00	$6,925,000.00	$65,973.94	$13,850.00	$20,775.00	$820,473.94
2030	$325,000.00	$401,875.00	$726,875.00	$6,625,000.00	$67,293.42	$13,250.00	$19,875.00	$827,293.42
2031	$325,000.00	$382,375.00	$707,375.00	$6,300,000.00	$68,639.29	$12,600.00	$18,900.00	$807,514.29
2032	$350,000.00	$362,875.00	$712,875.00	$5,975,000.00	$70,012.07	$11,950.00	$17,925.00	$812,762.07
2033	$375,000.00	$341,875.00	$716,875.00	$5,625,000.00	$71,412.31	$11,250.00	$16,875.00	$816,412.31
2034	$400,000.00	$319,375.00	$719,375.00	$5,250,000.00	$72,840.56	$10,500.00	$15,750.00	$818,465.56
2035	$425,000.00	$295,375.00	$720,375.00	$4,850,000.00	$74,297.37	$9,700.00	$14,550.00	$818,922.37
2036	$450,000.00	$269,875.00	$719,875.00	$4,425,000.00	$75,783.32	$8,850.00	$13,275.00	$817,783.32
2037	$475,000.00	$242,875.00	$717,875.00	$3,975,000.00	$77,298.98	$7,950.00	$11,925.00	$815,048.98
2038	$500,000.00	$214,375.00	$714,375.00	$3,500,000.00	$78,844.96	$7,000.00	$10,500.00	$810,719.96
2039	$525,000.00	$183,750.00	$708,750.00	$3,000,000.00	$80,421.86	$6,000.00	$9,000.00	$804,171.86
2040	$575,000.00	$151,593.76	$726,593.76	$2,475,000.00	$82,030.30	$4,950.00	$7,425.00	$820,999.06
2041	$600,000.00	$116,375.00	$716,375.00	$1,900,000.00	$83,670.91	$3,800.00	$5,700.00	$809,545.91
2042	$625,000.00	$79,625.00	$704,625.00	$1,300,000.00	$85,344.32	$2,600.00	$3,900.00	$796,469.32
2043	$675,000.00	$41,343.76	$716,343.76	$675,000.00	$87,051.21	$1,350.00	$2,025.00	$806,769.97
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
TOTAL	**$9,600,000.00**	**$11,430,388.60**	**$21,030,388.60**		**$1,939,611.73**	**$366,400.00**	**$549,600.00**	**$23,014,190.64**

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020

(b) Assumes Annual Installment has not been paid for such Tax Year.

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Appendix A
Annual Installments by Parcel ID

Parcel ID: 608616 **Lot Type:** WATERFRONT
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 608617 **Lot Type:** WATERFRONT
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 608618 **Lot Type:** WATERFRONT
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 608619 **Lot Type:** WATERFRONT
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 608620 **Lot Type:** WATERFRONT
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 608621 **Lot Type:** WATERFRONT
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 608622 **Lot Type:** WATERFRONT
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 608623 **Lot Type:** WATERFRONT
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 608624 **Lot Type:** WATERFRONT
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 608625 **Lot Type:** WATERFRONT
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 612962 **Lot Type:** HOA
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,952.01	$3,952.01	$96,000.00	$0.00	$0.00	$0.00	$3,952.01
2015	$0.00	$5,713.75	$5,713.75	$96,000.00	$500.00	$192.00	$288.00	$6,693.75
2016	$1,500.00	$5,713.75	$7,213.75	$96,000.00	$510.00	$192.00	$288.00	$8,203.75
2017	$1,500.00	$5,629.38	$7,129.38	$94,500.00	$520.20	$189.00	$283.50	$8,122.08
2018	$1,500.00	$5,545.00	$7,045.00	$93,000.00	$530.60	$186.00	$279.00	$8,040.60
2019	$1,750.00	$5,460.63	$7,210.63	$91,500.00	$541.22	$183.00	$274.50	$8,209.34
2020	$1,750.00	$5,362.19	$7,112.19	$89,750.00	$552.04	$179.50	$269.25	$8,112.98
2021	$2,000.00	$5,263.75	$7,263.75	$88,000.00	$563.08	$176.00	$264.00	$8,266.83
2022	$2,000.00	$5,151.25	$7,151.25	$86,000.00	$574.34	$172.00	$258.00	$8,155.59
2023	$2,250.00	$5,038.75	$7,288.75	$84,000.00	$585.83	$168.00	$252.00	$8,294.58
2024	$2,250.00	$4,912.19	$7,162.19	$81,750.00	$597.55	$163.50	$245.25	$8,168.48
2025	$2,250.00	$4,785.63	$7,035.63	$79,500.00	$609.50	$159.00	$238.50	$8,042.62
2026	$2,500.00	$4,659.06	$7,159.06	$77,250.00	$621.69	$154.50	$231.75	$8,167.00
2027	$2,750.00	$4,518.44	$7,268.44	$74,750.00	$634.12	$149.50	$224.25	$8,276.31
2028	$2,750.00	$4,363.75	$7,113.75	$72,000.00	$646.80	$144.00	$216.00	$8,120.55
2029	$3,000.00	$4,198.75	$7,198.75	$69,250.00	$659.74	$138.50	$207.75	$8,204.74
2030	$3,250.00	$4,018.75	$7,268.75	$66,250.00	$672.93	$132.50	$198.75	$8,272.93
2031	$3,250.00	$3,823.75	$7,073.75	$63,000.00	$686.39	$126.00	$189.00	$8,075.14
2032	$3,500.00	$3,628.75	$7,128.75	$59,750.00	$700.12	$119.50	$179.25	$8,127.62
2033	$3,750.00	$3,418.75	$7,168.75	$56,250.00	$714.12	$112.50	$168.75	$8,164.12
2034	$4,000.00	$3,193.75	$7,193.75	$52,500.00	$728.41	$105.00	$157.50	$8,184.66
2035	$4,250.00	$2,953.75	$7,203.75	$48,500.00	$742.97	$97.00	$145.50	$8,189.22
2036	$4,500.00	$2,698.75	$7,198.75	$44,250.00	$757.83	$88.50	$132.75	$8,177.83
2037	$4,750.00	$2,428.75	$7,178.75	$39,750.00	$772.99	$79.50	$119.25	$8,150.49
2038	$5,000.00	$2,143.75	$7,143.75	$35,000.00	$788.45	$70.00	$105.00	$8,107.20
2039	$5,250.00	$1,837.50	$7,087.50	$30,000.00	$804.22	$60.00	$90.00	$8,041.72
2040	$5,750.00	$1,515.94	$7,265.94	$24,750.00	$820.30	$49.50	$74.25	$8,209.99
2041	$6,000.00	$1,163.75	$7,163.75	$19,000.00	$836.71	$38.00	$57.00	$8,095.46
2042	$6,250.00	$796.25	$7,046.25	$13,000.00	$853.44	$26.00	$39.00	$7,964.69
2043	$6,750.00	$413.44	$7,163.44	$6,750.00	$870.51	$13.50	$20.25	$8,067.70
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$96,000.00**	**$114,303.89**	**$210,303.89**		**$19,396.12**	**$3,664.00**	**$5,496.00**	**$238,860.00**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 612962 **Lot Type:** CONDOMINIUMS
Number of Units: 10

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$8,154.24	$8,154.24	$198,078.16	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$11,789.26	$11,789.26	$198,078.16	$1,031.66	$396.16	$594.23	$3,971.01
2016	$3,094.97	$11,789.26	$14,884.23	$198,078.16	$1,052.29	$396.16	$594.23	$16,907.17
2017	$3,094.97	$11,615.17	$14,710.14	$194,983.18	$1,073.34	$389.97	$584.95	$16,758.39
2018	$3,094.97	$11,441.08	$14,536.05	$191,888.21	$1,094.80	$383.78	$575.66	$16,590.29
2019	$3,610.80	$11,266.98	$14,877.78	$188,793.24	$1,116.70	$377.59	$566.38	$16,938.45
2020	$3,610.80	$11,063.88	$14,674.68	$185,182.44	$1,139.03	$370.36	$555.55	$16,739.62
2021	$4,126.63	$10,860.77	$14,987.40	$181,571.64	$1,161.81	$363.14	$544.71	$17,057.07
2022	$4,126.63	$10,628.65	$14,755.28	$177,445.01	$1,185.05	$354.89	$532.34	$16,827.55
2023	$4,642.46	$10,396.52	$15,038.98	$173,318.39	$1,208.75	$346.64	$519.96	$17,114.32
2024	$4,642.46	$10,135.39	$14,777.84	$168,675.93	$1,232.93	$337.35	$506.03	$16,854.15
2025	$4,642.46	$9,874.25	$14,516.70	$164,033.47	$1,257.58	$328.07	$492.10	$16,594.46
2026	$5,158.29	$9,613.11	$14,771.39	$159,391.02	$1,282.74	$318.78	$478.17	$16,851.09
2027	$5,674.11	$9,322.96	$14,997.07	$154,232.73	$1,308.39	$308.47	$462.70	$17,076.62
2028	$5,674.11	$9,003.79	$14,677.90	$148,558.62	$1,334.56	$297.12	$445.68	$16,755.25
2029	$6,189.94	$8,663.34	$14,853.28	$142,884.50	$1,361.25	$285.77	$428.65	$16,928.95
2030	$6,705.77	$8,291.94	$14,997.71	$136,694.56	$1,388.47	$273.39	$410.08	$17,069.66
2031	$6,705.77	$7,889.60	$14,595.37	$129,988.79	$1,416.24	$259.98	$389.97	$16,661.56
2032	$7,221.60	$7,487.25	$14,708.85	$123,283.02	$1,444.57	$246.57	$369.85	$16,769.83
2033	$7,737.43	$7,053.96	$14,791.38	$116,061.42	$1,473.46	$232.12	$348.18	$16,845.15
2034	$8,253.26	$6,589.71	$14,842.97	$108,323.99	$1,502.93	$216.65	$324.97	$16,887.52
2035	$8,769.09	$6,094.51	$14,863.60	$100,070.73	$1,532.99	$200.14	$300.21	$16,896.94
2036	$9,284.91	$5,568.37	$14,853.28	$91,301.65	$1,563.65	$182.60	$273.90	$16,873.44
2037	$9,800.74	$5,011.27	$14,812.02	$82,016.74	$1,594.92	$164.03	$246.05	$16,817.02
2038	$10,316.57	$4,423.23	$14,739.80	$72,215.99	$1,626.82	$144.43	$216.65	$16,727.70
2039	$10,832.40	$3,791.34	$14,623.74	$61,899.42	$1,659.36	$123.80	$185.70	$16,592.59
2040	$11,864.06	$3,127.86	$14,991.91	$51,067.02	$1,692.54	$102.13	$153.20	$16,939.79
2041	$12,379.88	$2,401.18	$14,781.07	$39,202.97	$1,726.39	$78.41	$117.61	$16,703.48
2042	$12,895.71	$1,642.91	$14,538.63	$26,823.08	$1,760.92	$53.65	$80.47	$16,433.66
2043	$13,927.37	$853.05	$14,780.42	$13,927.37	$1,796.14	$27.85	$41.78	$16,646.20
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$198,078.16**	**$235,844.82**	**$433,922.98**		**$40,020.28**	**$7,559.98**	**$11,339.97**	**$474,828.93**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 612973 **Lot Type:** FISH CAMP
Number of Units: 20

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$10,501.67	$10,501.67	$255,100.66	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$15,183.14	$15,183.14	$255,100.66	$1,328.65	$510.20	$765.30	$5,114.18
2016	$3,985.95	$15,183.14	$19,169.09	$255,100.66	$1,355.22	$510.20	$765.30	$21,774.38
2017	$3,985.95	$14,958.93	$18,944.88	$251,114.71	$1,382.33	$502.23	$753.34	$21,582.78
2018	$3,985.95	$14,734.72	$18,720.67	$247,128.76	$1,409.97	$494.26	$741.39	$21,366.28
2019	$4,650.27	$14,510.51	$19,160.78	$243,142.81	$1,438.17	$486.29	$729.43	$21,814.67
2020	$4,650.27	$14,248.93	$18,899.21	$238,492.54	$1,466.94	$476.99	$715.48	$21,558.60
2021	$5,314.60	$13,987.35	$19,301.95	$233,842.27	$1,496.27	$467.68	$701.53	$21,967.44
2022	$5,314.60	$13,688.41	$19,003.01	$228,527.67	$1,526.20	$457.06	$685.58	$21,671.84
2023	$5,978.92	$13,389.46	$19,368.38	$223,213.07	$1,556.72	$446.43	$669.64	$22,041.17
2024	$5,978.92	$13,053.15	$19,032.07	$217,234.15	$1,587.86	$434.47	$651.70	$21,706.10
2025	$5,978.92	$12,716.83	$18,695.76	$211,255.23	$1,619.62	$422.51	$633.77	$21,371.65
2026	$6,643.25	$12,380.52	$19,023.77	$205,276.31	$1,652.01	$410.55	$615.83	$21,702.16
2027	$7,307.57	$12,006.84	$19,314.41	$198,633.06	$1,685.05	$397.27	$595.90	$21,992.62
2028	$7,307.57	$11,595.79	$18,903.36	$191,325.49	$1,718.75	$382.65	$573.98	$21,578.73
2029	$7,971.90	$11,157.33	$19,129.23	$184,017.92	$1,753.12	$368.04	$552.05	$21,802.44
2030	$8,636.22	$10,679.02	$19,315.24	$176,046.03	$1,788.19	$352.09	$528.14	$21,983.66
2031	$8,636.22	$10,160.85	$18,797.07	$167,409.81	$1,823.95	$334.82	$502.23	$21,458.06
2032	$9,300.54	$9,642.67	$18,943.22	$158,773.58	$1,860.43	$317.55	$476.32	$21,597.51
2033	$9,964.87	$9,084.64	$19,049.51	$149,473.04	$1,897.64	$298.95	$448.42	$21,694.51
2034	$10,629.19	$8,486.75	$19,115.94	$139,508.17	$1,935.59	$279.02	$418.52	$21,749.07
2035	$11,293.52	$7,849.00	$19,142.51	$128,878.98	$1,974.30	$257.76	$386.64	$21,761.21
2036	$11,957.84	$7,171.38	$19,129.23	$117,585.46	$2,013.79	$235.17	$352.76	$21,730.94
2037	$12,622.17	$6,453.91	$19,076.08	$105,627.62	$2,054.06	$211.26	$316.88	$21,658.28
2038	$13,286.49	$5,696.58	$18,983.08	$93,005.45	$2,095.15	$186.01	$279.02	$21,543.25
2039	$13,950.82	$4,882.79	$18,833.60	$79,718.95	$2,137.05	$159.44	$239.16	$21,369.25
2040	$15,279.47	$4,028.30	$19,307.77	$65,768.14	$2,179.79	$131.54	$197.30	$21,816.40
2041	$15,943.79	$3,092.43	$19,036.22	$50,488.67	$2,223.39	$100.98	$151.47	$21,512.05
2042	$16,608.12	$2,115.87	$18,723.99	$34,544.88	$2,267.85	$69.09	$103.63	$21,164.57
2043	$17,936.76	$1,098.63	$19,035.39	$17,936.76	$2,313.21	$35.87	$53.81	$21,438.29
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$255,100.66**	**$303,739.54**	**$558,840.20**		**$51,541.27**	**$9,736.34**	**$14,604.51**	**$611,522.11**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 612977 **Lot Type:** WATERFRONT
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 612978 **Lot Type:** WATERFRONT
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 612979 **Lot Type:** WATERFRONT
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 612980 **Lot Type:** WATERFRONT
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 612981 **Lot Type:** WATERFRONT
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 612982 **Lot Type:** WATERFRONT
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 612983 **Lot Type:** WATERFRONT
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 612984 **Lot Type:** WATERFRONT
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 612985 **Lot Type:** WATERFRONT
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 612986 **Lot Type:** WATERFRONT
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 612987 **Lot Type:** WATERFRONT
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 612988 **Lot Type:** WATERFRONT
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 612989 **Lot Type:** WATERFRONT
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 612990 **Lot Type:** WATERFRONT
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 612991 **Lot Type:** WATERFRONT
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 612992 **Lot Type:** WATERFRONT
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 612993 **Lot Type:** PREMIUM PLUS
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,088.73	$3,088.73	$75,029.60	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$4,465.63	$4,465.63	$75,029.60	$390.78	$150.06	$225.09	$1,504.17
2016	$1,172.34	$4,465.63	$5,637.97	$75,029.60	$398.59	$150.06	$225.09	$6,404.23
2017	$1,172.34	$4,399.69	$5,572.02	$73,857.27	$406.57	$147.71	$221.57	$6,347.88
2018	$1,172.34	$4,333.74	$5,506.08	$72,684.93	$414.70	$145.37	$218.05	$6,284.20
2019	$1,367.73	$4,267.80	$5,635.52	$71,512.59	$422.99	$143.03	$214.54	$6,416.08
2020	$1,367.73	$4,190.86	$5,558.59	$70,144.86	$431.45	$140.29	$210.43	$6,340.77
2021	$1,563.12	$4,113.93	$5,677.04	$68,777.14	$440.08	$137.55	$206.33	$6,461.01
2022	$1,563.12	$4,026.00	$5,589.12	$67,214.02	$448.88	$134.43	$201.64	$6,374.07
2023	$1,758.51	$3,938.08	$5,696.58	$65,650.90	$457.86	$131.30	$196.95	$6,482.70
2024	$1,758.51	$3,839.16	$5,597.67	$63,892.40	$467.02	$127.78	$191.68	$6,384.15
2025	$1,758.51	$3,740.25	$5,498.75	$62,133.89	$476.36	$124.27	$186.40	$6,285.78
2026	$1,953.90	$3,641.33	$5,595.23	$60,375.38	$485.88	$120.75	$181.13	$6,382.99
2027	$2,149.29	$3,531.42	$5,680.71	$58,421.49	$495.60	$116.84	$175.26	$6,468.42
2028	$2,149.29	$3,410.53	$5,559.81	$56,272.20	$505.51	$112.54	$168.82	$6,346.69
2029	$2,344.68	$3,281.57	$5,626.24	$54,122.92	$515.62	$108.25	$162.37	$6,412.48
2030	$2,540.06	$3,140.89	$5,680.95	$51,778.24	$525.94	$103.56	$155.33	$6,465.78
2031	$2,540.06	$2,988.48	$5,528.55	$49,238.18	$536.46	$98.48	$147.71	$6,311.20
2032	$2,735.45	$2,836.08	$5,571.53	$46,698.11	$547.19	$93.40	$140.09	$6,352.21
2033	$2,930.84	$2,671.95	$5,602.80	$43,962.66	$558.13	$87.93	$131.89	$6,380.74
2034	$3,126.23	$2,496.10	$5,622.34	$41,031.81	$569.29	$82.06	$123.10	$6,396.79
2035	$3,321.62	$2,308.53	$5,630.15	$37,905.58	$580.68	$75.81	$113.72	$6,400.36
2036	$3,517.01	$2,109.23	$5,626.24	$34,583.96	$592.29	$69.17	$103.75	$6,391.45
2037	$3,712.40	$1,898.21	$5,610.61	$31,066.95	$604.14	$62.13	$93.20	$6,370.08
2038	$3,907.79	$1,675.47	$5,583.26	$27,354.54	$616.22	$54.71	$82.06	$6,336.25
2039	$4,103.18	$1,436.11	$5,539.30	$23,446.75	$628.54	$46.89	$70.34	$6,285.07
2040	$4,493.96	$1,184.79	$5,678.75	$19,343.57	$641.11	$38.69	$58.03	$6,416.59
2041	$4,689.35	$909.54	$5,598.89	$14,849.61	$653.94	$29.70	$44.55	$6,327.07
2042	$4,884.74	$622.32	$5,507.06	$10,160.26	$667.02	$20.32	$30.48	$6,224.87
2043	$5,275.52	$323.13	$5,598.64	$5,275.52	$680.36	$10.55	$15.83	$6,305.38
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$75,029.60**	**$89,335.16**	**$164,364.76**		**$15,159.20**	**$2,863.63**	**$4,295.44**	**$179,859.44**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 612994 **Lot Type:** PREMIUM PLUS
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,088.73	$3,088.73	$75,029.60	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$4,465.63	$4,465.63	$75,029.60	$390.78	$150.06	$225.09	$1,504.17
2016	$1,172.34	$4,465.63	$5,637.97	$75,029.60	$398.59	$150.06	$225.09	$6,404.23
2017	$1,172.34	$4,399.69	$5,572.02	$73,857.27	$406.57	$147.71	$221.57	$6,347.88
2018	$1,172.34	$4,333.74	$5,506.08	$72,684.93	$414.70	$145.37	$218.05	$6,284.20
2019	$1,367.73	$4,267.80	$5,635.52	$71,512.59	$422.99	$143.03	$214.54	$6,416.08
2020	$1,367.73	$4,190.86	$5,558.59	$70,144.86	$431.45	$140.29	$210.43	$6,340.77
2021	$1,563.12	$4,113.93	$5,677.04	$68,777.14	$440.08	$137.55	$206.33	$6,461.01
2022	$1,563.12	$4,026.00	$5,589.12	$67,214.02	$448.88	$134.43	$201.64	$6,374.07
2023	$1,758.51	$3,938.08	$5,696.58	$65,650.90	$457.86	$131.30	$196.95	$6,482.70
2024	$1,758.51	$3,839.16	$5,597.67	$63,892.40	$467.02	$127.78	$191.68	$6,384.15
2025	$1,758.51	$3,740.25	$5,498.75	$62,133.89	$476.36	$124.27	$186.40	$6,285.78
2026	$1,953.90	$3,641.33	$5,595.23	$60,375.38	$485.88	$120.75	$181.13	$6,382.99
2027	$2,149.29	$3,531.42	$5,680.71	$58,421.49	$495.60	$116.84	$175.26	$6,468.42
2028	$2,149.29	$3,410.53	$5,559.81	$56,272.20	$505.51	$112.54	$168.82	$6,346.69
2029	$2,344.68	$3,281.57	$5,626.24	$54,122.92	$515.62	$108.25	$162.37	$6,412.48
2030	$2,540.06	$3,140.89	$5,680.95	$51,778.24	$525.94	$103.56	$155.33	$6,465.78
2031	$2,540.06	$2,988.48	$5,528.55	$49,238.18	$536.46	$98.48	$147.71	$6,311.20
2032	$2,735.45	$2,836.08	$5,571.53	$46,698.11	$547.19	$93.40	$140.09	$6,352.21
2033	$2,930.84	$2,671.95	$5,602.80	$43,962.66	$558.13	$87.93	$131.89	$6,380.74
2034	$3,126.23	$2,496.10	$5,622.34	$41,031.81	$569.29	$82.06	$123.10	$6,396.79
2035	$3,321.62	$2,308.53	$5,630.15	$37,905.58	$580.68	$75.81	$113.72	$6,400.36
2036	$3,517.01	$2,109.23	$5,626.24	$34,583.96	$592.29	$69.17	$103.75	$6,391.45
2037	$3,712.40	$1,898.21	$5,610.61	$31,066.95	$604.14	$62.13	$93.20	$6,370.08
2038	$3,907.79	$1,675.47	$5,583.26	$27,354.54	$616.22	$54.71	$82.06	$6,336.25
2039	$4,103.18	$1,436.11	$5,539.30	$23,446.75	$628.54	$46.89	$70.34	$6,285.07
2040	$4,493.96	$1,184.79	$5,678.75	$19,343.57	$641.11	$38.69	$58.03	$6,416.59
2041	$4,689.35	$909.54	$5,598.89	$14,849.61	$653.94	$29.70	$44.55	$6,327.07
2042	$4,884.74	$622.32	$5,507.06	$10,160.26	$667.02	$20.32	$30.48	$6,224.87
2043	$5,275.52	$323.13	$5,598.64	$5,275.52	$680.36	$10.55	$15.83	$6,305.38
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$75,029.60**	**$89,335.16**	**$164,364.76**		**$15,159.20**	**$2,863.63**	**$4,295.44**	**$179,859.44**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020

(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 612995 **Lot Type:** PREMIUM PLUS
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,088.73	$3,088.73	$75,029.60	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$4,465.63	$4,465.63	$75,029.60	$390.78	$150.06	$225.09	$1,504.17
2016	$1,172.34	$4,465.63	$5,637.97	$75,029.60	$398.59	$150.06	$225.09	$6,404.23
2017	$1,172.34	$4,399.69	$5,572.02	$73,857.27	$406.57	$147.71	$221.57	$6,347.88
2018	$1,172.34	$4,333.74	$5,506.08	$72,684.93	$414.70	$145.37	$218.05	$6,284.20
2019	$1,367.73	$4,267.80	$5,635.52	$71,512.59	$422.99	$143.03	$214.54	$6,416.08
2020	$1,367.73	$4,190.86	$5,558.59	$70,144.86	$431.45	$140.29	$210.43	$6,340.77
2021	$1,563.12	$4,113.93	$5,677.04	$68,777.14	$440.08	$137.55	$206.33	$6,461.01
2022	$1,563.12	$4,026.00	$5,589.12	$67,214.02	$448.88	$134.43	$201.64	$6,374.07
2023	$1,758.51	$3,938.08	$5,696.58	$65,650.90	$457.86	$131.30	$196.95	$6,482.70
2024	$1,758.51	$3,839.16	$5,597.67	$63,892.40	$467.02	$127.78	$191.68	$6,384.15
2025	$1,758.51	$3,740.25	$5,498.75	$62,133.89	$476.36	$124.27	$186.40	$6,285.78
2026	$1,953.90	$3,641.33	$5,595.23	$60,375.38	$485.88	$120.75	$181.13	$6,382.99
2027	$2,149.29	$3,531.42	$5,680.71	$58,421.49	$495.60	$116.84	$175.26	$6,468.42
2028	$2,149.29	$3,410.53	$5,559.81	$56,272.20	$505.51	$112.54	$168.82	$6,346.69
2029	$2,344.68	$3,281.57	$5,626.24	$54,122.92	$515.62	$108.25	$162.37	$6,412.48
2030	$2,540.06	$3,140.89	$5,680.95	$51,778.24	$525.94	$103.56	$155.33	$6,465.78
2031	$2,540.06	$2,988.48	$5,528.55	$49,238.18	$536.46	$98.48	$147.71	$6,311.20
2032	$2,735.45	$2,836.08	$5,571.53	$46,698.11	$547.19	$93.40	$140.09	$6,352.21
2033	$2,930.84	$2,671.95	$5,602.80	$43,962.66	$558.13	$87.93	$131.89	$6,380.74
2034	$3,126.23	$2,496.10	$5,622.34	$41,031.81	$569.29	$82.06	$123.10	$6,396.79
2035	$3,321.62	$2,308.53	$5,630.15	$37,905.58	$580.68	$75.81	$113.72	$6,400.36
2036	$3,517.01	$2,109.23	$5,626.24	$34,583.96	$592.29	$69.17	$103.75	$6,391.45
2037	$3,712.40	$1,898.21	$5,610.61	$31,066.95	$604.14	$62.13	$93.20	$6,370.08
2038	$3,907.79	$1,675.47	$5,583.26	$27,354.54	$616.22	$54.71	$82.06	$6,336.25
2039	$4,103.18	$1,436.11	$5,539.30	$23,446.75	$628.54	$46.89	$70.34	$6,285.07
2040	$4,493.96	$1,184.79	$5,678.75	$19,343.57	$641.11	$38.69	$58.03	$6,416.59
2041	$4,689.35	$909.54	$5,598.89	$14,849.61	$653.94	$29.70	$44.55	$6,327.07
2042	$4,884.74	$622.32	$5,507.06	$10,160.26	$667.02	$20.32	$30.48	$6,224.87
2043	$5,275.52	$323.13	$5,598.64	$5,275.52	$680.36	$10.55	$15.83	$6,305.38
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$75,029.60**	**$89,335.16**	**$164,364.76**		**$15,159.20**	**$2,863.63**	**$4,295.44**	**$179,859.44**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 612996 **Lot Type:** PREMIUM PLUS
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,088.73	$3,088.73	$75,029.60	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$4,465.63	$4,465.63	$75,029.60	$390.78	$150.06	$225.09	$1,504.17
2016	$1,172.34	$4,465.63	$5,637.97	$75,029.60	$398.59	$150.06	$225.09	$6,404.23
2017	$1,172.34	$4,399.69	$5,572.02	$73,857.27	$406.57	$147.71	$221.57	$6,347.88
2018	$1,172.34	$4,333.74	$5,506.08	$72,684.93	$414.70	$145.37	$218.05	$6,284.20
2019	$1,367.73	$4,267.80	$5,635.52	$71,512.59	$422.99	$143.03	$214.54	$6,416.08
2020	$1,367.73	$4,190.86	$5,558.59	$70,144.86	$431.45	$140.29	$210.43	$6,340.77
2021	$1,563.12	$4,113.93	$5,677.04	$68,777.14	$440.08	$137.55	$206.33	$6,461.01
2022	$1,563.12	$4,026.00	$5,589.12	$67,214.02	$448.88	$134.43	$201.64	$6,374.07
2023	$1,758.51	$3,938.08	$5,696.58	$65,650.90	$457.86	$131.30	$196.95	$6,482.70
2024	$1,758.51	$3,839.16	$5,597.67	$63,892.40	$467.02	$127.78	$191.68	$6,384.15
2025	$1,758.51	$3,740.25	$5,498.75	$62,133.89	$476.36	$124.27	$186.40	$6,285.78
2026	$1,953.90	$3,641.33	$5,595.23	$60,375.38	$485.88	$120.75	$181.13	$6,382.99
2027	$2,149.29	$3,531.42	$5,680.71	$58,421.49	$495.60	$116.84	$175.26	$6,468.42
2028	$2,149.29	$3,410.53	$5,559.81	$56,272.20	$505.51	$112.54	$168.82	$6,346.69
2029	$2,344.68	$3,281.57	$5,626.24	$54,122.92	$515.62	$108.25	$162.37	$6,412.48
2030	$2,540.06	$3,140.89	$5,680.95	$51,778.24	$525.94	$103.56	$155.33	$6,465.78
2031	$2,540.06	$2,988.48	$5,528.55	$49,238.18	$536.46	$98.48	$147.71	$6,311.20
2032	$2,735.45	$2,836.08	$5,571.53	$46,698.11	$547.19	$93.40	$140.09	$6,352.21
2033	$2,930.84	$2,671.95	$5,602.80	$43,962.66	$558.13	$87.93	$131.89	$6,380.74
2034	$3,126.23	$2,496.10	$5,622.34	$41,031.81	$569.29	$82.06	$123.10	$6,396.79
2035	$3,321.62	$2,308.53	$5,630.15	$37,905.58	$580.68	$75.81	$113.72	$6,400.36
2036	$3,517.01	$2,109.23	$5,626.24	$34,583.96	$592.29	$69.17	$103.75	$6,391.45
2037	$3,712.40	$1,898.21	$5,610.61	$31,066.95	$604.14	$62.13	$93.20	$6,370.08
2038	$3,907.79	$1,675.47	$5,583.26	$27,354.54	$616.22	$54.71	$82.06	$6,336.25
2039	$4,103.18	$1,436.11	$5,539.30	$23,446.75	$628.54	$46.89	$70.34	$6,285.07
2040	$4,493.96	$1,184.79	$5,678.75	$19,343.57	$641.11	$38.69	$58.03	$6,416.59
2041	$4,689.35	$909.54	$5,598.89	$14,849.61	$653.94	$29.70	$44.55	$6,327.07
2042	$4,884.74	$622.32	$5,507.06	$10,160.26	$667.02	$20.32	$30.48	$6,224.87
2043	$5,275.52	$323.13	$5,598.64	$5,275.52	$680.36	$10.55	$15.83	$6,305.38
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$75,029.60**	**$89,335.16**	**$164,364.76**		**$15,159.20**	**$2,863.63**	**$4,295.44**	**$179,859.44**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020

(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 612997 **Lot Type:** PREMIUM PLUS
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,088.73	$3,088.73	$75,029.60	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$4,465.63	$4,465.63	$75,029.60	$390.78	$150.06	$225.09	$1,504.17
2016	$1,172.34	$4,465.63	$5,637.97	$75,029.60	$398.59	$150.06	$225.09	$6,404.23
2017	$1,172.34	$4,399.69	$5,572.02	$73,857.27	$406.57	$147.71	$221.57	$6,347.88
2018	$1,172.34	$4,333.74	$5,506.08	$72,684.93	$414.70	$145.37	$218.05	$6,284.20
2019	$1,367.73	$4,267.80	$5,635.52	$71,512.59	$422.99	$143.03	$214.54	$6,416.08
2020	$1,367.73	$4,190.86	$5,558.59	$70,144.86	$431.45	$140.29	$210.43	$6,340.77
2021	$1,563.12	$4,113.93	$5,677.04	$68,777.14	$440.08	$137.55	$206.33	$6,461.01
2022	$1,563.12	$4,026.00	$5,589.12	$67,214.02	$448.88	$134.43	$201.64	$6,374.07
2023	$1,758.51	$3,938.08	$5,696.58	$65,650.90	$457.86	$131.30	$196.95	$6,482.70
2024	$1,758.51	$3,839.16	$5,597.67	$63,892.40	$467.02	$127.78	$191.68	$6,384.15
2025	$1,758.51	$3,740.25	$5,498.75	$62,133.89	$476.36	$124.27	$186.40	$6,285.78
2026	$1,953.90	$3,641.33	$5,595.23	$60,375.38	$485.88	$120.75	$181.13	$6,382.99
2027	$2,149.29	$3,531.42	$5,680.71	$58,421.49	$495.60	$116.84	$175.26	$6,468.42
2028	$2,149.29	$3,410.53	$5,559.81	$56,272.20	$505.51	$112.54	$168.82	$6,346.69
2029	$2,344.68	$3,281.57	$5,626.24	$54,122.92	$515.62	$108.25	$162.37	$6,412.48
2030	$2,540.06	$3,140.89	$5,680.95	$51,778.24	$525.94	$103.56	$155.33	$6,465.78
2031	$2,540.06	$2,988.48	$5,528.55	$49,238.18	$536.46	$98.48	$147.71	$6,311.20
2032	$2,735.45	$2,836.08	$5,571.53	$46,698.11	$547.19	$93.40	$140.09	$6,352.21
2033	$2,930.84	$2,671.95	$5,602.80	$43,962.66	$558.13	$87.93	$131.89	$6,380.74
2034	$3,126.23	$2,496.10	$5,622.34	$41,031.81	$569.29	$82.06	$123.10	$6,396.79
2035	$3,321.62	$2,308.53	$5,630.15	$37,905.58	$580.68	$75.81	$113.72	$6,400.36
2036	$3,517.01	$2,109.23	$5,626.24	$34,583.96	$592.29	$69.17	$103.75	$6,391.45
2037	$3,712.40	$1,898.21	$5,610.61	$31,066.95	$604.14	$62.13	$93.20	$6,370.08
2038	$3,907.79	$1,675.47	$5,583.26	$27,354.54	$616.22	$54.71	$82.06	$6,336.25
2039	$4,103.18	$1,436.11	$5,539.30	$23,446.75	$628.54	$46.89	$70.34	$6,285.07
2040	$4,493.96	$1,184.79	$5,678.75	$19,343.57	$641.11	$38.69	$58.03	$6,416.59
2041	$4,689.35	$909.54	$5,598.89	$14,849.61	$653.94	$29.70	$44.55	$6,327.07
2042	$4,884.74	$622.32	$5,507.06	$10,160.26	$667.02	$20.32	$30.48	$6,224.87
2043	$5,275.52	$323.13	$5,598.64	$5,275.52	$680.36	$10.55	$15.83	$6,305.38
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$75,029.60**	**$89,335.16**	**$164,364.76**		**$15,159.20**	**$2,863.63**	**$4,295.44**	**$179,859.44**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020

(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 612998 **Lot Type:** PREMIUM PLUS
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,088.73	$3,088.73	$75,029.60	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$4,465.63	$4,465.63	$75,029.60	$390.78	$150.06	$225.09	$1,504.17
2016	$1,172.34	$4,465.63	$5,637.97	$75,029.60	$398.59	$150.06	$225.09	$6,404.23
2017	$1,172.34	$4,399.69	$5,572.02	$73,857.27	$406.57	$147.71	$221.57	$6,347.88
2018	$1,172.34	$4,333.74	$5,506.08	$72,684.93	$414.70	$145.37	$218.05	$6,284.20
2019	$1,367.73	$4,267.80	$5,635.52	$71,512.59	$422.99	$143.03	$214.54	$6,416.08
2020	$1,367.73	$4,190.86	$5,558.59	$70,144.86	$431.45	$140.29	$210.43	$6,340.77
2021	$1,563.12	$4,113.93	$5,677.04	$68,777.14	$440.08	$137.55	$206.33	$6,461.01
2022	$1,563.12	$4,026.00	$5,589.12	$67,214.02	$448.88	$134.43	$201.64	$6,374.07
2023	$1,758.51	$3,938.08	$5,696.58	$65,650.90	$457.86	$131.30	$196.95	$6,482.70
2024	$1,758.51	$3,839.16	$5,597.67	$63,892.40	$467.02	$127.78	$191.68	$6,384.15
2025	$1,758.51	$3,740.25	$5,498.75	$62,133.89	$476.36	$124.27	$186.40	$6,285.78
2026	$1,953.90	$3,641.33	$5,595.23	$60,375.38	$485.88	$120.75	$181.13	$6,382.99
2027	$2,149.29	$3,531.42	$5,680.71	$58,421.49	$495.60	$116.84	$175.26	$6,468.42
2028	$2,149.29	$3,410.53	$5,559.81	$56,272.20	$505.51	$112.54	$168.82	$6,346.69
2029	$2,344.68	$3,281.57	$5,626.24	$54,122.92	$515.62	$108.25	$162.37	$6,412.48
2030	$2,540.06	$3,140.89	$5,680.95	$51,778.24	$525.94	$103.56	$155.33	$6,465.78
2031	$2,540.06	$2,988.48	$5,528.55	$49,238.18	$536.46	$98.48	$147.71	$6,311.20
2032	$2,735.45	$2,836.08	$5,571.53	$46,698.11	$547.19	$93.40	$140.09	$6,352.21
2033	$2,930.84	$2,671.95	$5,602.80	$43,962.66	$558.13	$87.93	$131.89	$6,380.74
2034	$3,126.23	$2,496.10	$5,622.34	$41,031.81	$569.29	$82.06	$123.10	$6,396.79
2035	$3,321.62	$2,308.53	$5,630.15	$37,905.58	$580.68	$75.81	$113.72	$6,400.36
2036	$3,517.01	$2,109.23	$5,626.24	$34,583.96	$592.29	$69.17	$103.75	$6,391.45
2037	$3,712.40	$1,898.21	$5,610.61	$31,066.95	$604.14	$62.13	$93.20	$6,370.08
2038	$3,907.79	$1,675.47	$5,583.26	$27,354.54	$616.22	$54.71	$82.06	$6,336.25
2039	$4,103.18	$1,436.11	$5,539.30	$23,446.75	$628.54	$46.89	$70.34	$6,285.07
2040	$4,493.96	$1,184.79	$5,678.75	$19,343.57	$641.11	$38.69	$58.03	$6,416.59
2041	$4,689.35	$909.54	$5,598.89	$14,849.61	$653.94	$29.70	$44.55	$6,327.07
2042	$4,884.74	$622.32	$5,507.06	$10,160.26	$667.02	$20.32	$30.48	$6,224.87
2043	$5,275.52	$323.13	$5,598.64	$5,275.52	$680.36	$10.55	$15.83	$6,305.38
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$75,029.60**	**$89,335.16**	**$164,364.76**		**$15,159.20**	**$2,863.63**	**$4,295.44**	**$179,859.44**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 612999 **Lot Type:** PREMIUM PLUS
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,088.73	$3,088.73	$75,029.60	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$4,465.63	$4,465.63	$75,029.60	$390.78	$150.06	$225.09	$1,504.17
2016	$1,172.34	$4,465.63	$5,637.97	$75,029.60	$398.59	$150.06	$225.09	$6,404.23
2017	$1,172.34	$4,399.69	$5,572.02	$73,857.27	$406.57	$147.71	$221.57	$6,347.88
2018	$1,172.34	$4,333.74	$5,506.08	$72,684.93	$414.70	$145.37	$218.05	$6,284.20
2019	$1,367.73	$4,267.80	$5,635.52	$71,512.59	$422.99	$143.03	$214.54	$6,416.08
2020	$1,367.73	$4,190.86	$5,558.59	$70,144.86	$431.45	$140.29	$210.43	$6,340.77
2021	$1,563.12	$4,113.93	$5,677.04	$68,777.14	$440.08	$137.55	$206.33	$6,461.01
2022	$1,563.12	$4,026.00	$5,589.12	$67,214.02	$448.88	$134.43	$201.64	$6,374.07
2023	$1,758.51	$3,938.08	$5,696.58	$65,650.90	$457.86	$131.30	$196.95	$6,482.70
2024	$1,758.51	$3,839.16	$5,597.67	$63,892.40	$467.02	$127.78	$191.68	$6,384.15
2025	$1,758.51	$3,740.25	$5,498.75	$62,133.89	$476.36	$124.27	$186.40	$6,285.78
2026	$1,953.90	$3,641.33	$5,595.23	$60,375.38	$485.88	$120.75	$181.13	$6,382.99
2027	$2,149.29	$3,531.42	$5,680.71	$58,421.49	$495.60	$116.84	$175.26	$6,468.42
2028	$2,149.29	$3,410.53	$5,559.81	$56,272.20	$505.51	$112.54	$168.82	$6,346.69
2029	$2,344.68	$3,281.57	$5,626.24	$54,122.92	$515.62	$108.25	$162.37	$6,412.48
2030	$2,540.06	$3,140.89	$5,680.95	$51,778.24	$525.94	$103.56	$155.33	$6,465.78
2031	$2,540.06	$2,988.48	$5,528.55	$49,238.18	$536.46	$98.48	$147.71	$6,311.20
2032	$2,735.45	$2,836.08	$5,571.53	$46,698.11	$547.19	$93.40	$140.09	$6,352.21
2033	$2,930.84	$2,671.95	$5,602.80	$43,962.66	$558.13	$87.93	$131.89	$6,380.74
2034	$3,126.23	$2,496.10	$5,622.34	$41,031.81	$569.29	$82.06	$123.10	$6,396.79
2035	$3,321.62	$2,308.53	$5,630.15	$37,905.58	$580.68	$75.81	$113.72	$6,400.36
2036	$3,517.01	$2,109.23	$5,626.24	$34,583.96	$592.29	$69.17	$103.75	$6,391.45
2037	$3,712.40	$1,898.21	$5,610.61	$31,066.95	$604.14	$62.13	$93.20	$6,370.08
2038	$3,907.79	$1,675.47	$5,583.26	$27,354.54	$616.22	$54.71	$82.06	$6,336.25
2039	$4,103.18	$1,436.11	$5,539.30	$23,446.75	$628.54	$46.89	$70.34	$6,285.07
2040	$4,493.96	$1,184.79	$5,678.75	$19,343.57	$641.11	$38.69	$58.03	$6,416.59
2041	$4,689.35	$909.54	$5,598.89	$14,849.61	$653.94	$29.70	$44.55	$6,327.07
2042	$4,884.74	$622.32	$5,507.06	$10,160.26	$667.02	$20.32	$30.48	$6,224.87
2043	$5,275.52	$323.13	$5,598.64	$5,275.52	$680.36	$10.55	$15.83	$6,305.38
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$75,029.60**	**$89,335.16**	**$164,364.76**		**$15,159.20**	**$2,863.63**	**$4,295.44**	**$179,859.44**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613000 **Lot Type:** PREMIUM PLUS
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,088.73	$3,088.73	$75,029.60	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$4,465.63	$4,465.63	$75,029.60	$390.78	$150.06	$225.09	$1,504.17
2016	$1,172.34	$4,465.63	$5,637.97	$75,029.60	$398.59	$150.06	$225.09	$6,404.23
2017	$1,172.34	$4,399.69	$5,572.02	$73,857.27	$406.57	$147.71	$221.57	$6,347.88
2018	$1,172.34	$4,333.74	$5,506.08	$72,684.93	$414.70	$145.37	$218.05	$6,284.20
2019	$1,367.73	$4,267.80	$5,635.52	$71,512.59	$422.99	$143.03	$214.54	$6,416.08
2020	$1,367.73	$4,190.86	$5,558.59	$70,144.86	$431.45	$140.29	$210.43	$6,340.77
2021	$1,563.12	$4,113.93	$5,677.04	$68,777.14	$440.08	$137.55	$206.33	$6,461.01
2022	$1,563.12	$4,026.00	$5,589.12	$67,214.02	$448.88	$134.43	$201.64	$6,374.07
2023	$1,758.51	$3,938.08	$5,696.58	$65,650.90	$457.86	$131.30	$196.95	$6,482.70
2024	$1,758.51	$3,839.16	$5,597.67	$63,892.40	$467.02	$127.78	$191.68	$6,384.15
2025	$1,758.51	$3,740.25	$5,498.75	$62,133.89	$476.36	$124.27	$186.40	$6,285.78
2026	$1,953.90	$3,641.33	$5,595.23	$60,375.38	$485.88	$120.75	$181.13	$6,382.99
2027	$2,149.29	$3,531.42	$5,680.71	$58,421.49	$495.60	$116.84	$175.26	$6,468.42
2028	$2,149.29	$3,410.53	$5,559.81	$56,272.20	$505.51	$112.54	$168.82	$6,346.69
2029	$2,344.68	$3,281.57	$5,626.24	$54,122.92	$515.62	$108.25	$162.37	$6,412.48
2030	$2,540.06	$3,140.89	$5,680.95	$51,778.24	$525.94	$103.56	$155.33	$6,465.78
2031	$2,540.06	$2,988.48	$5,528.55	$49,238.18	$536.46	$98.48	$147.71	$6,311.20
2032	$2,735.45	$2,836.08	$5,571.53	$46,698.11	$547.19	$93.40	$140.09	$6,352.21
2033	$2,930.84	$2,671.95	$5,602.80	$43,962.66	$558.13	$87.93	$131.89	$6,380.74
2034	$3,126.23	$2,496.10	$5,622.34	$41,031.81	$569.29	$82.06	$123.10	$6,396.79
2035	$3,321.62	$2,308.53	$5,630.15	$37,905.58	$580.68	$75.81	$113.72	$6,400.36
2036	$3,517.01	$2,109.23	$5,626.24	$34,583.96	$592.29	$69.17	$103.75	$6,391.45
2037	$3,712.40	$1,898.21	$5,610.61	$31,066.95	$604.14	$62.13	$93.20	$6,370.08
2038	$3,907.79	$1,675.47	$5,583.26	$27,354.54	$616.22	$54.71	$82.06	$6,336.25
2039	$4,103.18	$1,436.11	$5,539.30	$23,446.75	$628.54	$46.89	$70.34	$6,285.07
2040	$4,493.96	$1,184.79	$5,678.75	$19,343.57	$641.11	$38.69	$58.03	$6,416.59
2041	$4,689.35	$909.54	$5,598.89	$14,849.61	$653.94	$29.70	$44.55	$6,327.07
2042	$4,884.74	$622.32	$5,507.06	$10,160.26	$667.02	$20.32	$30.48	$6,224.87
2043	$5,275.52	$323.13	$5,598.64	$5,275.52	$680.36	$10.55	$15.83	$6,305.38
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$75,029.60**	**$89,335.16**	**$164,364.76**		**$15,159.20**	**$2,863.63**	**$4,295.44**	**$179,859.44**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613001 **Lot Type:** PREMIUM PLUS
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,088.73	$3,088.73	$75,029.60	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$4,465.63	$4,465.63	$75,029.60	$390.78	$150.06	$225.09	$1,504.17
2016	$1,172.34	$4,465.63	$5,637.97	$75,029.60	$398.59	$150.06	$225.09	$6,404.23
2017	$1,172.34	$4,399.69	$5,572.02	$73,857.27	$406.57	$147.71	$221.57	$6,347.88
2018	$1,172.34	$4,333.74	$5,506.08	$72,684.93	$414.70	$145.37	$218.05	$6,284.20
2019	$1,367.73	$4,267.80	$5,635.52	$71,512.59	$422.99	$143.03	$214.54	$6,416.08
2020	$1,367.73	$4,190.86	$5,558.59	$70,144.86	$431.45	$140.29	$210.43	$6,340.77
2021	$1,563.12	$4,113.93	$5,677.04	$68,777.14	$440.08	$137.55	$206.33	$6,461.01
2022	$1,563.12	$4,026.00	$5,589.12	$67,214.02	$448.88	$134.43	$201.64	$6,374.07
2023	$1,758.51	$3,938.08	$5,696.58	$65,650.90	$457.86	$131.30	$196.95	$6,482.70
2024	$1,758.51	$3,839.16	$5,597.67	$63,892.40	$467.02	$127.78	$191.68	$6,384.15
2025	$1,758.51	$3,740.25	$5,498.75	$62,133.89	$476.36	$124.27	$186.40	$6,285.78
2026	$1,953.90	$3,641.33	$5,595.23	$60,375.38	$485.88	$120.75	$181.13	$6,382.99
2027	$2,149.29	$3,531.42	$5,680.71	$58,421.49	$495.60	$116.84	$175.26	$6,468.42
2028	$2,149.29	$3,410.53	$5,559.81	$56,272.20	$505.51	$112.54	$168.82	$6,346.69
2029	$2,344.68	$3,281.57	$5,626.24	$54,122.92	$515.62	$108.25	$162.37	$6,412.48
2030	$2,540.06	$3,140.89	$5,680.95	$51,778.24	$525.94	$103.56	$155.33	$6,465.78
2031	$2,540.06	$2,988.48	$5,528.55	$49,238.18	$536.46	$98.48	$147.71	$6,311.20
2032	$2,735.45	$2,836.08	$5,571.53	$46,698.11	$547.19	$93.40	$140.09	$6,352.21
2033	$2,930.84	$2,671.95	$5,602.80	$43,962.66	$558.13	$87.93	$131.89	$6,380.74
2034	$3,126.23	$2,496.10	$5,622.34	$41,031.81	$569.29	$82.06	$123.10	$6,396.79
2035	$3,321.62	$2,308.53	$5,630.15	$37,905.58	$580.68	$75.81	$113.72	$6,400.36
2036	$3,517.01	$2,109.23	$5,626.24	$34,583.96	$592.29	$69.17	$103.75	$6,391.45
2037	$3,712.40	$1,898.21	$5,610.61	$31,066.95	$604.14	$62.13	$93.20	$6,370.08
2038	$3,907.79	$1,675.47	$5,583.26	$27,354.54	$616.22	$54.71	$82.06	$6,336.25
2039	$4,103.18	$1,436.11	$5,539.30	$23,446.75	$628.54	$46.89	$70.34	$6,285.07
2040	$4,493.96	$1,184.79	$5,678.75	$19,343.57	$641.11	$38.69	$58.03	$6,416.59
2041	$4,689.35	$909.54	$5,598.89	$14,849.61	$653.94	$29.70	$44.55	$6,327.07
2042	$4,884.74	$622.32	$5,507.06	$10,160.26	$667.02	$20.32	$30.48	$6,224.87
2043	$5,275.52	$323.13	$5,598.64	$5,275.52	$680.36	$10.55	$15.83	$6,305.38
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$75,029.60**	**$89,335.16**	**$164,364.76**		**$15,159.20**	**$2,863.63**	**$4,295.44**	**$179,859.44**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613002 **Lot Type:** PREMIUM PLUS
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,088.73	$3,088.73	$75,029.60	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$4,465.63	$4,465.63	$75,029.60	$390.78	$150.06	$225.09	$1,504.17
2016	$1,172.34	$4,465.63	$5,637.97	$75,029.60	$398.59	$150.06	$225.09	$6,404.23
2017	$1,172.34	$4,399.69	$5,572.02	$73,857.27	$406.57	$147.71	$221.57	$6,347.88
2018	$1,172.34	$4,333.74	$5,506.08	$72,684.93	$414.70	$145.37	$218.05	$6,284.20
2019	$1,367.73	$4,267.80	$5,635.52	$71,512.59	$422.99	$143.03	$214.54	$6,416.08
2020	$1,367.73	$4,190.86	$5,558.59	$70,144.86	$431.45	$140.29	$210.43	$6,340.77
2021	$1,563.12	$4,113.93	$5,677.04	$68,777.14	$440.08	$137.55	$206.33	$6,461.01
2022	$1,563.12	$4,026.00	$5,589.12	$67,214.02	$448.88	$134.43	$201.64	$6,374.07
2023	$1,758.51	$3,938.08	$5,696.58	$65,650.90	$457.86	$131.30	$196.95	$6,482.70
2024	$1,758.51	$3,839.16	$5,597.67	$63,892.40	$467.02	$127.78	$191.68	$6,384.15
2025	$1,758.51	$3,740.25	$5,498.75	$62,133.89	$476.36	$124.27	$186.40	$6,285.78
2026	$1,953.90	$3,641.33	$5,595.23	$60,375.38	$485.88	$120.75	$181.13	$6,382.99
2027	$2,149.29	$3,531.42	$5,680.71	$58,421.49	$495.60	$116.84	$175.26	$6,468.42
2028	$2,149.29	$3,410.53	$5,559.81	$56,272.20	$505.51	$112.54	$168.82	$6,346.69
2029	$2,344.68	$3,281.57	$5,626.24	$54,122.92	$515.62	$108.25	$162.37	$6,412.48
2030	$2,540.06	$3,140.89	$5,680.95	$51,778.24	$525.94	$103.56	$155.33	$6,465.78
2031	$2,540.06	$2,988.48	$5,528.55	$49,238.18	$536.46	$98.48	$147.71	$6,311.20
2032	$2,735.45	$2,836.08	$5,571.53	$46,698.11	$547.19	$93.40	$140.09	$6,352.21
2033	$2,930.84	$2,671.95	$5,602.80	$43,962.66	$558.13	$87.93	$131.89	$6,380.74
2034	$3,126.23	$2,496.10	$5,622.34	$41,031.81	$569.29	$82.06	$123.10	$6,396.79
2035	$3,321.62	$2,308.53	$5,630.15	$37,905.58	$580.68	$75.81	$113.72	$6,400.36
2036	$3,517.01	$2,109.23	$5,626.24	$34,583.96	$592.29	$69.17	$103.75	$6,391.45
2037	$3,712.40	$1,898.21	$5,610.61	$31,066.95	$604.14	$62.13	$93.20	$6,370.08
2038	$3,907.79	$1,675.47	$5,583.26	$27,354.54	$616.22	$54.71	$82.06	$6,336.25
2039	$4,103.18	$1,436.11	$5,539.30	$23,446.75	$628.54	$46.89	$70.34	$6,285.07
2040	$4,493.96	$1,184.79	$5,678.75	$19,343.57	$641.11	$38.69	$58.03	$6,416.59
2041	$4,689.35	$909.54	$5,598.89	$14,849.61	$653.94	$29.70	$44.55	$6,327.07
2042	$4,884.74	$622.32	$5,507.06	$10,160.26	$667.02	$20.32	$30.48	$6,224.87
2043	$5,275.52	$323.13	$5,598.64	$5,275.52	$680.36	$10.55	$15.83	$6,305.38
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$75,029.60**	**$89,335.16**	**$164,364.76**		**$15,159.20**	**$2,863.63**	**$4,295.44**	**$179,859.44**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613003 **Lot Type:** PREMIUM PLUS
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,088.73	$3,088.73	$75,029.60	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$4,465.63	$4,465.63	$75,029.60	$390.78	$150.06	$225.09	$1,504.17
2016	$1,172.34	$4,465.63	$5,637.97	$75,029.60	$398.59	$150.06	$225.09	$6,404.23
2017	$1,172.34	$4,399.69	$5,572.02	$73,857.27	$406.57	$147.71	$221.57	$6,347.88
2018	$1,172.34	$4,333.74	$5,506.08	$72,684.93	$414.70	$145.37	$218.05	$6,284.20
2019	$1,367.73	$4,267.80	$5,635.52	$71,512.59	$422.99	$143.03	$214.54	$6,416.08
2020	$1,367.73	$4,190.86	$5,558.59	$70,144.86	$431.45	$140.29	$210.43	$6,340.77
2021	$1,563.12	$4,113.93	$5,677.04	$68,777.14	$440.08	$137.55	$206.33	$6,461.01
2022	$1,563.12	$4,026.00	$5,589.12	$67,214.02	$448.88	$134.43	$201.64	$6,374.07
2023	$1,758.51	$3,938.08	$5,696.58	$65,650.90	$457.86	$131.30	$196.95	$6,482.70
2024	$1,758.51	$3,839.16	$5,597.67	$63,892.40	$467.02	$127.78	$191.68	$6,384.15
2025	$1,758.51	$3,740.25	$5,498.75	$62,133.89	$476.36	$124.27	$186.40	$6,285.78
2026	$1,953.90	$3,641.33	$5,595.23	$60,375.38	$485.88	$120.75	$181.13	$6,382.99
2027	$2,149.29	$3,531.42	$5,680.71	$58,421.49	$495.60	$116.84	$175.26	$6,468.42
2028	$2,149.29	$3,410.53	$5,559.81	$56,272.20	$505.51	$112.54	$168.82	$6,346.69
2029	$2,344.68	$3,281.57	$5,626.24	$54,122.92	$515.62	$108.25	$162.37	$6,412.48
2030	$2,540.06	$3,140.89	$5,680.95	$51,778.24	$525.94	$103.56	$155.33	$6,465.78
2031	$2,540.06	$2,988.48	$5,528.55	$49,238.18	$536.46	$98.48	$147.71	$6,311.20
2032	$2,735.45	$2,836.08	$5,571.53	$46,698.11	$547.19	$93.40	$140.09	$6,352.21
2033	$2,930.84	$2,671.95	$5,602.80	$43,962.66	$558.13	$87.93	$131.89	$6,380.74
2034	$3,126.23	$2,496.10	$5,622.34	$41,031.81	$569.29	$82.06	$123.10	$6,396.79
2035	$3,321.62	$2,308.53	$5,630.15	$37,905.58	$580.68	$75.81	$113.72	$6,400.36
2036	$3,517.01	$2,109.23	$5,626.24	$34,583.96	$592.29	$69.17	$103.75	$6,391.45
2037	$3,712.40	$1,898.21	$5,610.61	$31,066.95	$604.14	$62.13	$93.20	$6,370.08
2038	$3,907.79	$1,675.47	$5,583.26	$27,354.54	$616.22	$54.71	$82.06	$6,336.25
2039	$4,103.18	$1,436.11	$5,539.30	$23,446.75	$628.54	$46.89	$70.34	$6,285.07
2040	$4,493.96	$1,184.79	$5,678.75	$19,343.57	$641.11	$38.69	$58.03	$6,416.59
2041	$4,689.35	$909.54	$5,598.89	$14,849.61	$653.94	$29.70	$44.55	$6,327.07
2042	$4,884.74	$622.32	$5,507.06	$10,160.26	$667.02	$20.32	$30.48	$6,224.87
2043	$5,275.52	$323.13	$5,598.64	$5,275.52	$680.36	$10.55	$15.83	$6,305.38
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$75,029.60**	**$89,335.16**	**$164,364.76**		**$15,159.20**	**$2,863.63**	**$4,295.44**	**$179,859.44**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613004 **Lot Type:** PREMIUM PLUS
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,088.73	$3,088.73	$75,029.60	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$4,465.63	$4,465.63	$75,029.60	$390.78	$150.06	$225.09	$1,504.17
2016	$1,172.34	$4,465.63	$5,637.97	$75,029.60	$398.59	$150.06	$225.09	$6,404.23
2017	$1,172.34	$4,399.69	$5,572.02	$73,857.27	$406.57	$147.71	$221.57	$6,347.88
2018	$1,172.34	$4,333.74	$5,506.08	$72,684.93	$414.70	$145.37	$218.05	$6,284.20
2019	$1,367.73	$4,267.80	$5,635.52	$71,512.59	$422.99	$143.03	$214.54	$6,416.08
2020	$1,367.73	$4,190.86	$5,558.59	$70,144.86	$431.45	$140.29	$210.43	$6,340.77
2021	$1,563.12	$4,113.93	$5,677.04	$68,777.14	$440.08	$137.55	$206.33	$6,461.01
2022	$1,563.12	$4,026.00	$5,589.12	$67,214.02	$448.88	$134.43	$201.64	$6,374.07
2023	$1,758.51	$3,938.08	$5,696.58	$65,650.90	$457.86	$131.30	$196.95	$6,482.70
2024	$1,758.51	$3,839.16	$5,597.67	$63,892.40	$467.02	$127.78	$191.68	$6,384.15
2025	$1,758.51	$3,740.25	$5,498.75	$62,133.89	$476.36	$124.27	$186.40	$6,285.78
2026	$1,953.90	$3,641.33	$5,595.23	$60,375.38	$485.88	$120.75	$181.13	$6,382.99
2027	$2,149.29	$3,531.42	$5,680.71	$58,421.49	$495.60	$116.84	$175.26	$6,468.42
2028	$2,149.29	$3,410.53	$5,559.81	$56,272.20	$505.51	$112.54	$168.82	$6,346.69
2029	$2,344.68	$3,281.57	$5,626.24	$54,122.92	$515.62	$108.25	$162.37	$6,412.48
2030	$2,540.06	$3,140.89	$5,680.95	$51,778.24	$525.94	$103.56	$155.33	$6,465.78
2031	$2,540.06	$2,988.48	$5,528.55	$49,238.18	$536.46	$98.48	$147.71	$6,311.20
2032	$2,735.45	$2,836.08	$5,571.53	$46,698.11	$547.19	$93.40	$140.09	$6,352.21
2033	$2,930.84	$2,671.95	$5,602.80	$43,962.66	$558.13	$87.93	$131.89	$6,380.74
2034	$3,126.23	$2,496.10	$5,622.34	$41,031.81	$569.29	$82.06	$123.10	$6,396.79
2035	$3,321.62	$2,308.53	$5,630.15	$37,905.58	$580.68	$75.81	$113.72	$6,400.36
2036	$3,517.01	$2,109.23	$5,626.24	$34,583.96	$592.29	$69.17	$103.75	$6,391.45
2037	$3,712.40	$1,898.21	$5,610.61	$31,066.95	$604.14	$62.13	$93.20	$6,370.08
2038	$3,907.79	$1,675.47	$5,583.26	$27,354.54	$616.22	$54.71	$82.06	$6,336.25
2039	$4,103.18	$1,436.11	$5,539.30	$23,446.75	$628.54	$46.89	$70.34	$6,285.07
2040	$4,493.96	$1,184.79	$5,678.75	$19,343.57	$641.11	$38.69	$58.03	$6,416.59
2041	$4,689.35	$909.54	$5,598.89	$14,849.61	$653.94	$29.70	$44.55	$6,327.07
2042	$4,884.74	$622.32	$5,507.06	$10,160.26	$667.02	$20.32	$30.48	$6,224.87
2043	$5,275.52	$323.13	$5,598.64	$5,275.52	$680.36	$10.55	$15.83	$6,305.38
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$75,029.60**	**$89,335.16**	**$164,364.76**		**$15,159.20**	**$2,863.63**	**$4,295.44**	**$179,859.44**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613005 **Lot Type:** PREMIUM PLUS
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,088.73	$3,088.73	$75,029.60	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$4,465.63	$4,465.63	$75,029.60	$390.78	$150.06	$225.09	$1,504.17
2016	$1,172.34	$4,465.63	$5,637.97	$75,029.60	$398.59	$150.06	$225.09	$6,404.23
2017	$1,172.34	$4,399.69	$5,572.02	$73,857.27	$406.57	$147.71	$221.57	$6,347.88
2018	$1,172.34	$4,333.74	$5,506.08	$72,684.93	$414.70	$145.37	$218.05	$6,284.20
2019	$1,367.73	$4,267.80	$5,635.52	$71,512.59	$422.99	$143.03	$214.54	$6,416.08
2020	$1,367.73	$4,190.86	$5,558.59	$70,144.86	$431.45	$140.29	$210.43	$6,340.77
2021	$1,563.12	$4,113.93	$5,677.04	$68,777.14	$440.08	$137.55	$206.33	$6,461.01
2022	$1,563.12	$4,026.00	$5,589.12	$67,214.02	$448.88	$134.43	$201.64	$6,374.07
2023	$1,758.51	$3,938.08	$5,696.58	$65,650.90	$457.86	$131.30	$196.95	$6,482.70
2024	$1,758.51	$3,839.16	$5,597.67	$63,892.40	$467.02	$127.78	$191.68	$6,384.15
2025	$1,758.51	$3,740.25	$5,498.75	$62,133.89	$476.36	$124.27	$186.40	$6,285.78
2026	$1,953.90	$3,641.33	$5,595.23	$60,375.38	$485.88	$120.75	$181.13	$6,382.99
2027	$2,149.29	$3,531.42	$5,680.71	$58,421.49	$495.60	$116.84	$175.26	$6,468.42
2028	$2,149.29	$3,410.53	$5,559.81	$56,272.20	$505.51	$112.54	$168.82	$6,346.69
2029	$2,344.68	$3,281.57	$5,626.24	$54,122.92	$515.62	$108.25	$162.37	$6,412.48
2030	$2,540.06	$3,140.89	$5,680.95	$51,778.24	$525.94	$103.56	$155.33	$6,465.78
2031	$2,540.06	$2,988.48	$5,528.55	$49,238.18	$536.46	$98.48	$147.71	$6,311.20
2032	$2,735.45	$2,836.08	$5,571.53	$46,698.11	$547.19	$93.40	$140.09	$6,352.21
2033	$2,930.84	$2,671.95	$5,602.80	$43,962.66	$558.13	$87.93	$131.89	$6,380.74
2034	$3,126.23	$2,496.10	$5,622.34	$41,031.81	$569.29	$82.06	$123.10	$6,396.79
2035	$3,321.62	$2,308.53	$5,630.15	$37,905.58	$580.68	$75.81	$113.72	$6,400.36
2036	$3,517.01	$2,109.23	$5,626.24	$34,583.96	$592.29	$69.17	$103.75	$6,391.45
2037	$3,712.40	$1,898.21	$5,610.61	$31,066.95	$604.14	$62.13	$93.20	$6,370.08
2038	$3,907.79	$1,675.47	$5,583.26	$27,354.54	$616.22	$54.71	$82.06	$6,336.25
2039	$4,103.18	$1,436.11	$5,539.30	$23,446.75	$628.54	$46.89	$70.34	$6,285.07
2040	$4,493.96	$1,184.79	$5,678.75	$19,343.57	$641.11	$38.69	$58.03	$6,416.59
2041	$4,689.35	$909.54	$5,598.89	$14,849.61	$653.94	$29.70	$44.55	$6,327.07
2042	$4,884.74	$622.32	$5,507.06	$10,160.26	$667.02	$20.32	$30.48	$6,224.87
2043	$5,275.52	$323.13	$5,598.64	$5,275.52	$680.36	$10.55	$15.83	$6,305.38
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$75,029.60**	**$89,335.16**	**$164,364.76**		**$15,159.20**	**$2,863.63**	**$4,295.44**	**$179,859.44**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613006 **Lot Type:** PREMIUM PLUS
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,088.73	$3,088.73	$75,029.60	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$4,465.63	$4,465.63	$75,029.60	$390.78	$150.06	$225.09	$1,504.17
2016	$1,172.34	$4,465.63	$5,637.97	$75,029.60	$398.59	$150.06	$225.09	$6,404.23
2017	$1,172.34	$4,399.69	$5,572.02	$73,857.27	$406.57	$147.71	$221.57	$6,347.88
2018	$1,172.34	$4,333.74	$5,506.08	$72,684.93	$414.70	$145.37	$218.05	$6,284.20
2019	$1,367.73	$4,267.80	$5,635.52	$71,512.59	$422.99	$143.03	$214.54	$6,416.08
2020	$1,367.73	$4,190.86	$5,558.59	$70,144.86	$431.45	$140.29	$210.43	$6,340.77
2021	$1,563.12	$4,113.93	$5,677.04	$68,777.14	$440.08	$137.55	$206.33	$6,461.01
2022	$1,563.12	$4,026.00	$5,589.12	$67,214.02	$448.88	$134.43	$201.64	$6,374.07
2023	$1,758.51	$3,938.08	$5,696.58	$65,650.90	$457.86	$131.30	$196.95	$6,482.70
2024	$1,758.51	$3,839.16	$5,597.67	$63,892.40	$467.02	$127.78	$191.68	$6,384.15
2025	$1,758.51	$3,740.25	$5,498.75	$62,133.89	$476.36	$124.27	$186.40	$6,285.78
2026	$1,953.90	$3,641.33	$5,595.23	$60,375.38	$485.88	$120.75	$181.13	$6,382.99
2027	$2,149.29	$3,531.42	$5,680.71	$58,421.49	$495.60	$116.84	$175.26	$6,468.42
2028	$2,149.29	$3,410.53	$5,559.81	$56,272.20	$505.51	$112.54	$168.82	$6,346.69
2029	$2,344.68	$3,281.57	$5,626.24	$54,122.92	$515.62	$108.25	$162.37	$6,412.48
2030	$2,540.06	$3,140.89	$5,680.95	$51,778.24	$525.94	$103.56	$155.33	$6,465.78
2031	$2,540.06	$2,988.48	$5,528.55	$49,238.18	$536.46	$98.48	$147.71	$6,311.20
2032	$2,735.45	$2,836.08	$5,571.53	$46,698.11	$547.19	$93.40	$140.09	$6,352.21
2033	$2,930.84	$2,671.95	$5,602.80	$43,962.66	$558.13	$87.93	$131.89	$6,380.74
2034	$3,126.23	$2,496.10	$5,622.34	$41,031.81	$569.29	$82.06	$123.10	$6,396.79
2035	$3,321.62	$2,308.53	$5,630.15	$37,905.58	$580.68	$75.81	$113.72	$6,400.36
2036	$3,517.01	$2,109.23	$5,626.24	$34,583.96	$592.29	$69.17	$103.75	$6,391.45
2037	$3,712.40	$1,898.21	$5,610.61	$31,066.95	$604.14	$62.13	$93.20	$6,370.08
2038	$3,907.79	$1,675.47	$5,583.26	$27,354.54	$616.22	$54.71	$82.06	$6,336.25
2039	$4,103.18	$1,436.11	$5,539.30	$23,446.75	$628.54	$46.89	$70.34	$6,285.07
2040	$4,493.96	$1,184.79	$5,678.75	$19,343.57	$641.11	$38.69	$58.03	$6,416.59
2041	$4,689.35	$909.54	$5,598.89	$14,849.61	$653.94	$29.70	$44.55	$6,327.07
2042	$4,884.74	$622.32	$5,507.06	$10,160.26	$667.02	$20.32	$30.48	$6,224.87
2043	$5,275.52	$323.13	$5,598.64	$5,275.52	$680.36	$10.55	$15.83	$6,305.38
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$75,029.60**	**$89,335.16**	**$164,364.76**		**$15,159.20**	**$2,863.63**	**$4,295.44**	**$179,859.44**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613007 **Lot Type:** PREMIUM PLUS
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,088.73	$3,088.73	$75,029.60	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$4,465.63	$4,465.63	$75,029.60	$390.78	$150.06	$225.09	$1,504.17
2016	$1,172.34	$4,465.63	$5,637.97	$75,029.60	$398.59	$150.06	$225.09	$6,404.23
2017	$1,172.34	$4,399.69	$5,572.02	$73,857.27	$406.57	$147.71	$221.57	$6,347.88
2018	$1,172.34	$4,333.74	$5,506.08	$72,684.93	$414.70	$145.37	$218.05	$6,284.20
2019	$1,367.73	$4,267.80	$5,635.52	$71,512.59	$422.99	$143.03	$214.54	$6,416.08
2020	$1,367.73	$4,190.86	$5,558.59	$70,144.86	$431.45	$140.29	$210.43	$6,340.77
2021	$1,563.12	$4,113.93	$5,677.04	$68,777.14	$440.08	$137.55	$206.33	$6,461.01
2022	$1,563.12	$4,026.00	$5,589.12	$67,214.02	$448.88	$134.43	$201.64	$6,374.07
2023	$1,758.51	$3,938.08	$5,696.58	$65,650.90	$457.86	$131.30	$196.95	$6,482.70
2024	$1,758.51	$3,839.16	$5,597.67	$63,892.40	$467.02	$127.78	$191.68	$6,384.15
2025	$1,758.51	$3,740.25	$5,498.75	$62,133.89	$476.36	$124.27	$186.40	$6,285.78
2026	$1,953.90	$3,641.33	$5,595.23	$60,375.38	$485.88	$120.75	$181.13	$6,382.99
2027	$2,149.29	$3,531.42	$5,680.71	$58,421.49	$495.60	$116.84	$175.26	$6,468.42
2028	$2,149.29	$3,410.53	$5,559.81	$56,272.20	$505.51	$112.54	$168.82	$6,346.69
2029	$2,344.68	$3,281.57	$5,626.24	$54,122.92	$515.62	$108.25	$162.37	$6,412.48
2030	$2,540.06	$3,140.89	$5,680.95	$51,778.24	$525.94	$103.56	$155.33	$6,465.78
2031	$2,540.06	$2,988.48	$5,528.55	$49,238.18	$536.46	$98.48	$147.71	$6,311.20
2032	$2,735.45	$2,836.08	$5,571.53	$46,698.11	$547.19	$93.40	$140.09	$6,352.21
2033	$2,930.84	$2,671.95	$5,602.80	$43,962.66	$558.13	$87.93	$131.89	$6,380.74
2034	$3,126.23	$2,496.10	$5,622.34	$41,031.81	$569.29	$82.06	$123.10	$6,396.79
2035	$3,321.62	$2,308.53	$5,630.15	$37,905.58	$580.68	$75.81	$113.72	$6,400.36
2036	$3,517.01	$2,109.23	$5,626.24	$34,583.96	$592.29	$69.17	$103.75	$6,391.45
2037	$3,712.40	$1,898.21	$5,610.61	$31,066.95	$604.14	$62.13	$93.20	$6,370.08
2038	$3,907.79	$1,675.47	$5,583.26	$27,354.54	$616.22	$54.71	$82.06	$6,336.25
2039	$4,103.18	$1,436.11	$5,539.30	$23,446.75	$628.54	$46.89	$70.34	$6,285.07
2040	$4,493.96	$1,184.79	$5,678.75	$19,343.57	$641.11	$38.69	$58.03	$6,416.59
2041	$4,689.35	$909.54	$5,598.89	$14,849.61	$653.94	$29.70	$44.55	$6,327.07
2042	$4,884.74	$622.32	$5,507.06	$10,160.26	$667.02	$20.32	$30.48	$6,224.87
2043	$5,275.52	$323.13	$5,598.64	$5,275.52	$680.36	$10.55	$15.83	$6,305.38
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$75,029.60**	**$89,335.16**	**$164,364.76**		**$15,159.20**	**$2,863.63**	**$4,295.44**	**$179,859.44**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020

(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613008 **Lot Type:** PREMIUM PLUS
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,088.73	$3,088.73	$75,029.60	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$4,465.63	$4,465.63	$75,029.60	$390.78	$150.06	$225.09	$1,504.17
2016	$1,172.34	$4,465.63	$5,637.97	$75,029.60	$398.59	$150.06	$225.09	$6,404.23
2017	$1,172.34	$4,399.69	$5,572.02	$73,857.27	$406.57	$147.71	$221.57	$6,347.88
2018	$1,172.34	$4,333.74	$5,506.08	$72,684.93	$414.70	$145.37	$218.05	$6,284.20
2019	$1,367.73	$4,267.80	$5,635.52	$71,512.59	$422.99	$143.03	$214.54	$6,416.08
2020	$1,367.73	$4,190.86	$5,558.59	$70,144.86	$431.45	$140.29	$210.43	$6,340.77
2021	$1,563.12	$4,113.93	$5,677.04	$68,777.14	$440.08	$137.55	$206.33	$6,461.01
2022	$1,563.12	$4,026.00	$5,589.12	$67,214.02	$448.88	$134.43	$201.64	$6,374.07
2023	$1,758.51	$3,938.08	$5,696.58	$65,650.90	$457.86	$131.30	$196.95	$6,482.70
2024	$1,758.51	$3,839.16	$5,597.67	$63,892.40	$467.02	$127.78	$191.68	$6,384.15
2025	$1,758.51	$3,740.25	$5,498.75	$62,133.89	$476.36	$124.27	$186.40	$6,285.78
2026	$1,953.90	$3,641.33	$5,595.23	$60,375.38	$485.88	$120.75	$181.13	$6,382.99
2027	$2,149.29	$3,531.42	$5,680.71	$58,421.49	$495.60	$116.84	$175.26	$6,468.42
2028	$2,149.29	$3,410.53	$5,559.81	$56,272.20	$505.51	$112.54	$168.82	$6,346.69
2029	$2,344.68	$3,281.57	$5,626.24	$54,122.92	$515.62	$108.25	$162.37	$6,412.48
2030	$2,540.06	$3,140.89	$5,680.95	$51,778.24	$525.94	$103.56	$155.33	$6,465.78
2031	$2,540.06	$2,988.48	$5,528.55	$49,238.18	$536.46	$98.48	$147.71	$6,311.20
2032	$2,735.45	$2,836.08	$5,571.53	$46,698.11	$547.19	$93.40	$140.09	$6,352.21
2033	$2,930.84	$2,671.95	$5,602.80	$43,962.66	$558.13	$87.93	$131.89	$6,380.74
2034	$3,126.23	$2,496.10	$5,622.34	$41,031.81	$569.29	$82.06	$123.10	$6,396.79
2035	$3,321.62	$2,308.53	$5,630.15	$37,905.58	$580.68	$75.81	$113.72	$6,400.36
2036	$3,517.01	$2,109.23	$5,626.24	$34,583.96	$592.29	$69.17	$103.75	$6,391.45
2037	$3,712.40	$1,898.21	$5,610.61	$31,066.95	$604.14	$62.13	$93.20	$6,370.08
2038	$3,907.79	$1,675.47	$5,583.26	$27,354.54	$616.22	$54.71	$82.06	$6,336.25
2039	$4,103.18	$1,436.11	$5,539.30	$23,446.75	$628.54	$46.89	$70.34	$6,285.07
2040	$4,493.96	$1,184.79	$5,678.75	$19,343.57	$641.11	$38.69	$58.03	$6,416.59
2041	$4,689.35	$909.54	$5,598.89	$14,849.61	$653.94	$29.70	$44.55	$6,327.07
2042	$4,884.74	$622.32	$5,507.06	$10,160.26	$667.02	$20.32	$30.48	$6,224.87
2043	$5,275.52	$323.13	$5,598.64	$5,275.52	$680.36	$10.55	$15.83	$6,305.38
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$75,029.60**	**$89,335.16**	**$164,364.76**		**$15,159.20**	**$2,863.63**	**$4,295.44**	**$179,859.44**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613009 **Lot Type:** PREMIUM PLUS
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,088.73	$3,088.73	$75,029.60	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$4,465.63	$4,465.63	$75,029.60	$390.78	$150.06	$225.09	$1,504.17
2016	$1,172.34	$4,465.63	$5,637.97	$75,029.60	$398.59	$150.06	$225.09	$6,404.23
2017	$1,172.34	$4,399.69	$5,572.02	$73,857.27	$406.57	$147.71	$221.57	$6,347.88
2018	$1,172.34	$4,333.74	$5,506.08	$72,684.93	$414.70	$145.37	$218.05	$6,284.20
2019	$1,367.73	$4,267.80	$5,635.52	$71,512.59	$422.99	$143.03	$214.54	$6,416.08
2020	$1,367.73	$4,190.86	$5,558.59	$70,144.86	$431.45	$140.29	$210.43	$6,340.77
2021	$1,563.12	$4,113.93	$5,677.04	$68,777.14	$440.08	$137.55	$206.33	$6,461.01
2022	$1,563.12	$4,026.00	$5,589.12	$67,214.02	$448.88	$134.43	$201.64	$6,374.07
2023	$1,758.51	$3,938.08	$5,696.58	$65,650.90	$457.86	$131.30	$196.95	$6,482.70
2024	$1,758.51	$3,839.16	$5,597.67	$63,892.40	$467.02	$127.78	$191.68	$6,384.15
2025	$1,758.51	$3,740.25	$5,498.75	$62,133.89	$476.36	$124.27	$186.40	$6,285.78
2026	$1,953.90	$3,641.33	$5,595.23	$60,375.38	$485.88	$120.75	$181.13	$6,382.99
2027	$2,149.29	$3,531.42	$5,680.71	$58,421.49	$495.60	$116.84	$175.26	$6,468.42
2028	$2,149.29	$3,410.53	$5,559.81	$56,272.20	$505.51	$112.54	$168.82	$6,346.69
2029	$2,344.68	$3,281.57	$5,626.24	$54,122.92	$515.62	$108.25	$162.37	$6,412.48
2030	$2,540.06	$3,140.89	$5,680.95	$51,778.24	$525.94	$103.56	$155.33	$6,465.78
2031	$2,540.06	$2,988.48	$5,528.55	$49,238.18	$536.46	$98.48	$147.71	$6,311.20
2032	$2,735.45	$2,836.08	$5,571.53	$46,698.11	$547.19	$93.40	$140.09	$6,352.21
2033	$2,930.84	$2,671.95	$5,602.80	$43,962.66	$558.13	$87.93	$131.89	$6,380.74
2034	$3,126.23	$2,496.10	$5,622.34	$41,031.81	$569.29	$82.06	$123.10	$6,396.79
2035	$3,321.62	$2,308.53	$5,630.15	$37,905.58	$580.68	$75.81	$113.72	$6,400.36
2036	$3,517.01	$2,109.23	$5,626.24	$34,583.96	$592.29	$69.17	$103.75	$6,391.45
2037	$3,712.40	$1,898.21	$5,610.61	$31,066.95	$604.14	$62.13	$93.20	$6,370.08
2038	$3,907.79	$1,675.47	$5,583.26	$27,354.54	$616.22	$54.71	$82.06	$6,336.25
2039	$4,103.18	$1,436.11	$5,539.30	$23,446.75	$628.54	$46.89	$70.34	$6,285.07
2040	$4,493.96	$1,184.79	$5,678.75	$19,343.57	$641.11	$38.69	$58.03	$6,416.59
2041	$4,689.35	$909.54	$5,598.89	$14,849.61	$653.94	$29.70	$44.55	$6,327.07
2042	$4,884.74	$622.32	$5,507.06	$10,160.26	$667.02	$20.32	$30.48	$6,224.87
2043	$5,275.52	$323.13	$5,598.64	$5,275.52	$680.36	$10.55	$15.83	$6,305.38
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$75,029.60**	**$89,335.16**	**$164,364.76**		**$15,159.20**	**$2,863.63**	**$4,295.44**	**$179,859.44**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613010 **Lot Type:** PREMIUM PLUS
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,088.73	$3,088.73	$75,029.60	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$4,465.63	$4,465.63	$75,029.60	$390.78	$150.06	$225.09	$1,504.17
2016	$1,172.34	$4,465.63	$5,637.97	$75,029.60	$398.59	$150.06	$225.09	$6,404.23
2017	$1,172.34	$4,399.69	$5,572.02	$73,857.27	$406.57	$147.71	$221.57	$6,347.88
2018	$1,172.34	$4,333.74	$5,506.08	$72,684.93	$414.70	$145.37	$218.05	$6,284.20
2019	$1,367.73	$4,267.80	$5,635.52	$71,512.59	$422.99	$143.03	$214.54	$6,416.08
2020	$1,367.73	$4,190.86	$5,558.59	$70,144.86	$431.45	$140.29	$210.43	$6,340.77
2021	$1,563.12	$4,113.93	$5,677.04	$68,777.14	$440.08	$137.55	$206.33	$6,461.01
2022	$1,563.12	$4,026.00	$5,589.12	$67,214.02	$448.88	$134.43	$201.64	$6,374.07
2023	$1,758.51	$3,938.08	$5,696.58	$65,650.90	$457.86	$131.30	$196.95	$6,482.70
2024	$1,758.51	$3,839.16	$5,597.67	$63,892.40	$467.02	$127.78	$191.68	$6,384.15
2025	$1,758.51	$3,740.25	$5,498.75	$62,133.89	$476.36	$124.27	$186.40	$6,285.78
2026	$1,953.90	$3,641.33	$5,595.23	$60,375.38	$485.88	$120.75	$181.13	$6,382.99
2027	$2,149.29	$3,531.42	$5,680.71	$58,421.49	$495.60	$116.84	$175.26	$6,468.42
2028	$2,149.29	$3,410.53	$5,559.81	$56,272.20	$505.51	$112.54	$168.82	$6,346.69
2029	$2,344.68	$3,281.57	$5,626.24	$54,122.92	$515.62	$108.25	$162.37	$6,412.48
2030	$2,540.06	$3,140.89	$5,680.95	$51,778.24	$525.94	$103.56	$155.33	$6,465.78
2031	$2,540.06	$2,988.48	$5,528.55	$49,238.18	$536.46	$98.48	$147.71	$6,311.20
2032	$2,735.45	$2,836.08	$5,571.53	$46,698.11	$547.19	$93.40	$140.09	$6,352.21
2033	$2,930.84	$2,671.95	$5,602.80	$43,962.66	$558.13	$87.93	$131.89	$6,380.74
2034	$3,126.23	$2,496.10	$5,622.34	$41,031.81	$569.29	$82.06	$123.10	$6,396.79
2035	$3,321.62	$2,308.53	$5,630.15	$37,905.58	$580.68	$75.81	$113.72	$6,400.36
2036	$3,517.01	$2,109.23	$5,626.24	$34,583.96	$592.29	$69.17	$103.75	$6,391.45
2037	$3,712.40	$1,898.21	$5,610.61	$31,066.95	$604.14	$62.13	$93.20	$6,370.08
2038	$3,907.79	$1,675.47	$5,583.26	$27,354.54	$616.22	$54.71	$82.06	$6,336.25
2039	$4,103.18	$1,436.11	$5,539.30	$23,446.75	$628.54	$46.89	$70.34	$6,285.07
2040	$4,493.96	$1,184.79	$5,678.75	$19,343.57	$641.11	$38.69	$58.03	$6,416.59
2041	$4,689.35	$909.54	$5,598.89	$14,849.61	$653.94	$29.70	$44.55	$6,327.07
2042	$4,884.74	$622.32	$5,507.06	$10,160.26	$667.02	$20.32	$30.48	$6,224.87
2043	$5,275.52	$323.13	$5,598.64	$5,275.52	$680.36	$10.55	$15.83	$6,305.38
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$75,029.60**	**$89,335.16**	**$164,364.76**		**$15,159.20**	**$2,863.63**	**$4,295.44**	**$179,859.44**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613011 **Lot Type:** TOWNHOMES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$2,594.53	$2,594.53	$63,024.87	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$3,751.13	$3,751.13	$63,024.87	$328.25	$126.05	$189.07	$1,263.50
2016	$984.76	$3,751.13	$4,735.89	$63,024.87	$334.82	$126.05	$189.07	$5,379.55
2017	$984.76	$3,695.74	$4,680.50	$62,040.10	$341.52	$124.08	$186.12	$5,332.22
2018	$984.76	$3,640.34	$4,625.11	$61,055.34	$348.35	$122.11	$183.17	$5,278.73
2019	$1,148.89	$3,584.95	$4,733.84	$60,070.58	$355.31	$120.14	$180.21	$5,389.51
2020	$1,148.89	$3,520.32	$4,669.22	$58,921.69	$362.42	$117.84	$176.77	$5,326.24
2021	$1,313.02	$3,455.70	$4,768.72	$57,772.80	$369.67	$115.55	$173.32	$5,427.25
2022	$1,313.02	$3,381.84	$4,694.86	$56,459.78	$377.06	$112.92	$169.38	$5,354.22
2023	$1,477.15	$3,307.98	$4,785.13	$55,146.76	$384.60	$110.29	$165.44	$5,445.47
2024	$1,477.15	$3,224.90	$4,702.04	$53,669.61	$392.29	$107.34	$161.01	$5,362.68
2025	$1,477.15	$3,141.81	$4,618.95	$52,192.47	$400.14	$104.38	$156.58	$5,280.05
2026	$1,641.27	$3,058.72	$4,699.99	$50,715.32	$408.14	$101.43	$152.15	$5,361.71
2027	$1,805.40	$2,966.40	$4,771.79	$49,074.05	$416.31	$98.15	$147.22	$5,433.47
2028	$1,805.40	$2,864.84	$4,670.24	$47,268.65	$424.63	$94.54	$141.81	$5,331.22
2029	$1,969.53	$2,756.52	$4,726.04	$45,463.25	$433.12	$90.93	$136.39	$5,386.49
2030	$2,133.65	$2,638.35	$4,772.00	$43,493.72	$441.79	$86.99	$130.48	$5,431.26
2031	$2,133.65	$2,510.33	$4,643.98	$41,360.07	$450.62	$82.72	$124.08	$5,301.40
2032	$2,297.78	$2,382.31	$4,680.09	$39,226.42	$459.64	$78.45	$117.68	$5,335.86
2033	$2,461.91	$2,244.44	$4,706.35	$36,928.63	$468.83	$73.86	$110.79	$5,359.82
2034	$2,626.04	$2,096.73	$4,722.76	$34,466.72	$478.20	$68.93	$103.40	$5,373.30
2035	$2,790.16	$1,939.16	$4,729.33	$31,840.69	$487.77	$63.68	$95.52	$5,376.30
2036	$2,954.29	$1,771.75	$4,726.04	$29,050.52	$497.52	$58.10	$87.15	$5,368.82
2037	$3,118.42	$1,594.50	$4,712.91	$26,096.23	$507.47	$52.19	$78.29	$5,350.87
2038	$3,282.55	$1,407.39	$4,689.94	$22,977.82	$517.62	$45.96	$68.93	$5,322.45
2039	$3,446.67	$1,206.34	$4,653.01	$19,695.27	$527.98	$39.39	$59.09	$5,279.46
2040	$3,774.93	$995.23	$4,770.15	$16,248.60	$538.54	$32.50	$48.75	$5,389.93
2041	$3,939.05	$764.01	$4,703.07	$12,473.67	$549.31	$24.95	$37.42	$5,314.74
2042	$4,103.18	$522.75	$4,625.93	$8,534.62	$560.29	$17.07	$25.60	$5,228.89
2043	$4,431.44	$271.43	$4,702.86	$4,431.44	$571.50	$8.86	$13.29	$5,296.52
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$63,024.87**	**$75,041.53**	**$138,066.40**		**$12,733.73**	**$2,405.45**	**$3,608.17**	**$151,081.93**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613012 **Lot Type:** TOWNHOMES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$2,594.53	$2,594.53	$63,024.87	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$3,751.13	$3,751.13	$63,024.87	$328.25	$126.05	$189.07	$1,263.50
2016	$984.76	$3,751.13	$4,735.89	$63,024.87	$334.82	$126.05	$189.07	$5,379.55
2017	$984.76	$3,695.74	$4,680.50	$62,040.10	$341.52	$124.08	$186.12	$5,332.22
2018	$984.76	$3,640.34	$4,625.11	$61,055.34	$348.35	$122.11	$183.17	$5,278.73
2019	$1,148.89	$3,584.95	$4,733.84	$60,070.58	$355.31	$120.14	$180.21	$5,389.51
2020	$1,148.89	$3,520.32	$4,669.22	$58,921.69	$362.42	$117.84	$176.77	$5,326.24
2021	$1,313.02	$3,455.70	$4,768.72	$57,772.80	$369.67	$115.55	$173.32	$5,427.25
2022	$1,313.02	$3,381.84	$4,694.86	$56,459.78	$377.06	$112.92	$169.38	$5,354.22
2023	$1,477.15	$3,307.98	$4,785.13	$55,146.76	$384.60	$110.29	$165.44	$5,445.47
2024	$1,477.15	$3,224.90	$4,702.04	$53,669.61	$392.29	$107.34	$161.01	$5,362.68
2025	$1,477.15	$3,141.81	$4,618.95	$52,192.47	$400.14	$104.38	$156.58	$5,280.05
2026	$1,641.27	$3,058.72	$4,699.99	$50,715.32	$408.14	$101.43	$152.15	$5,361.71
2027	$1,805.40	$2,966.40	$4,771.79	$49,074.05	$416.31	$98.15	$147.22	$5,433.47
2028	$1,805.40	$2,864.84	$4,670.24	$47,268.65	$424.63	$94.54	$141.81	$5,331.22
2029	$1,969.53	$2,756.52	$4,726.04	$45,463.25	$433.12	$90.93	$136.39	$5,386.49
2030	$2,133.65	$2,638.35	$4,772.00	$43,493.72	$441.79	$86.99	$130.48	$5,431.26
2031	$2,133.65	$2,510.33	$4,643.98	$41,360.07	$450.62	$82.72	$124.08	$5,301.40
2032	$2,297.78	$2,382.31	$4,680.09	$39,226.42	$459.64	$78.45	$117.68	$5,335.86
2033	$2,461.91	$2,244.44	$4,706.35	$36,928.63	$468.83	$73.86	$110.79	$5,359.82
2034	$2,626.04	$2,096.73	$4,722.76	$34,466.72	$478.20	$68.93	$103.40	$5,373.30
2035	$2,790.16	$1,939.16	$4,729.33	$31,840.69	$487.77	$63.68	$95.52	$5,376.30
2036	$2,954.29	$1,771.75	$4,726.04	$29,050.52	$497.52	$58.10	$87.15	$5,368.82
2037	$3,118.42	$1,594.50	$4,712.91	$26,096.23	$507.47	$52.19	$78.29	$5,350.87
2038	$3,282.55	$1,407.39	$4,689.94	$22,977.82	$517.62	$45.96	$68.93	$5,322.45
2039	$3,446.67	$1,206.34	$4,653.01	$19,695.27	$527.98	$39.39	$59.09	$5,279.46
2040	$3,774.93	$995.23	$4,770.15	$16,248.60	$538.54	$32.50	$48.75	$5,389.93
2041	$3,939.05	$764.01	$4,703.07	$12,473.67	$549.31	$24.95	$37.42	$5,314.74
2042	$4,103.18	$522.75	$4,625.93	$8,534.62	$560.29	$17.07	$25.60	$5,228.89
2043	$4,431.44	$271.43	$4,702.86	$4,431.44	$571.50	$8.86	$13.29	$5,296.52
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$63,024.87**	**$75,041.53**	**$138,066.40**		**$12,733.73**	**$2,405.45**	**$3,608.17**	**$151,081.93**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613013 **Lot Type:** TOWNHOMES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$2,594.53	$2,594.53	$63,024.87	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$3,751.13	$3,751.13	$63,024.87	$328.25	$126.05	$189.07	$1,263.50
2016	$984.76	$3,751.13	$4,735.89	$63,024.87	$334.82	$126.05	$189.07	$5,379.55
2017	$984.76	$3,695.74	$4,680.50	$62,040.10	$341.52	$124.08	$186.12	$5,332.22
2018	$984.76	$3,640.34	$4,625.11	$61,055.34	$348.35	$122.11	$183.17	$5,278.73
2019	$1,148.89	$3,584.95	$4,733.84	$60,070.58	$355.31	$120.14	$180.21	$5,389.51
2020	$1,148.89	$3,520.32	$4,669.22	$58,921.69	$362.42	$117.84	$176.77	$5,326.24
2021	$1,313.02	$3,455.70	$4,768.72	$57,772.80	$369.67	$115.55	$173.32	$5,427.25
2022	$1,313.02	$3,381.84	$4,694.86	$56,459.78	$377.06	$112.92	$169.38	$5,354.22
2023	$1,477.15	$3,307.98	$4,785.13	$55,146.76	$384.60	$110.29	$165.44	$5,445.47
2024	$1,477.15	$3,224.90	$4,702.04	$53,669.61	$392.29	$107.34	$161.01	$5,362.68
2025	$1,477.15	$3,141.81	$4,618.95	$52,192.47	$400.14	$104.38	$156.58	$5,280.05
2026	$1,641.27	$3,058.72	$4,699.99	$50,715.32	$408.14	$101.43	$152.15	$5,361.71
2027	$1,805.40	$2,966.40	$4,771.79	$49,074.05	$416.31	$98.15	$147.22	$5,433.47
2028	$1,805.40	$2,864.84	$4,670.24	$47,268.65	$424.63	$94.54	$141.81	$5,331.22
2029	$1,969.53	$2,756.52	$4,726.04	$45,463.25	$433.12	$90.93	$136.39	$5,386.49
2030	$2,133.65	$2,638.35	$4,772.00	$43,493.72	$441.79	$86.99	$130.48	$5,431.26
2031	$2,133.65	$2,510.33	$4,643.98	$41,360.07	$450.62	$82.72	$124.08	$5,301.40
2032	$2,297.78	$2,382.31	$4,680.09	$39,226.42	$459.64	$78.45	$117.68	$5,335.86
2033	$2,461.91	$2,244.44	$4,706.35	$36,928.63	$468.83	$73.86	$110.79	$5,359.82
2034	$2,626.04	$2,096.73	$4,722.76	$34,466.72	$478.20	$68.93	$103.40	$5,373.30
2035	$2,790.16	$1,939.16	$4,729.33	$31,840.69	$487.77	$63.68	$95.52	$5,376.30
2036	$2,954.29	$1,771.75	$4,726.04	$29,050.52	$497.52	$58.10	$87.15	$5,368.82
2037	$3,118.42	$1,594.50	$4,712.91	$26,096.23	$507.47	$52.19	$78.29	$5,350.87
2038	$3,282.55	$1,407.39	$4,689.94	$22,977.82	$517.62	$45.96	$68.93	$5,322.45
2039	$3,446.67	$1,206.34	$4,653.01	$19,695.27	$527.98	$39.39	$59.09	$5,279.46
2040	$3,774.93	$995.23	$4,770.15	$16,248.60	$538.54	$32.50	$48.75	$5,389.93
2041	$3,939.05	$764.01	$4,703.07	$12,473.67	$549.31	$24.95	$37.42	$5,314.74
2042	$4,103.18	$522.75	$4,625.93	$8,534.62	$560.29	$17.07	$25.60	$5,228.89
2043	$4,431.44	$271.43	$4,702.86	$4,431.44	$571.50	$8.86	$13.29	$5,296.52
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$63,024.87**	**$75,041.53**	**$138,066.40**		**$12,733.73**	**$2,405.45**	**$3,608.17**	**$151,081.93**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613014 **Lot Type:** TOWNHOMES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$2,594.53	$2,594.53	$63,024.87	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$3,751.13	$3,751.13	$63,024.87	$328.25	$126.05	$189.07	$1,263.50
2016	$984.76	$3,751.13	$4,735.89	$63,024.87	$334.82	$126.05	$189.07	$5,379.55
2017	$984.76	$3,695.74	$4,680.50	$62,040.10	$341.52	$124.08	$186.12	$5,332.22
2018	$984.76	$3,640.34	$4,625.11	$61,055.34	$348.35	$122.11	$183.17	$5,278.73
2019	$1,148.89	$3,584.95	$4,733.84	$60,070.58	$355.31	$120.14	$180.21	$5,389.51
2020	$1,148.89	$3,520.32	$4,669.22	$58,921.69	$362.42	$117.84	$176.77	$5,326.24
2021	$1,313.02	$3,455.70	$4,768.72	$57,772.80	$369.67	$115.55	$173.32	$5,427.25
2022	$1,313.02	$3,381.84	$4,694.86	$56,459.78	$377.06	$112.92	$169.38	$5,354.22
2023	$1,477.15	$3,307.98	$4,785.13	$55,146.76	$384.60	$110.29	$165.44	$5,445.47
2024	$1,477.15	$3,224.90	$4,702.04	$53,669.61	$392.29	$107.34	$161.01	$5,362.68
2025	$1,477.15	$3,141.81	$4,618.95	$52,192.47	$400.14	$104.38	$156.58	$5,280.05
2026	$1,641.27	$3,058.72	$4,699.99	$50,715.32	$408.14	$101.43	$152.15	$5,361.71
2027	$1,805.40	$2,966.40	$4,771.79	$49,074.05	$416.31	$98.15	$147.22	$5,433.47
2028	$1,805.40	$2,864.84	$4,670.24	$47,268.65	$424.63	$94.54	$141.81	$5,331.22
2029	$1,969.53	$2,756.52	$4,726.04	$45,463.25	$433.12	$90.93	$136.39	$5,386.49
2030	$2,133.65	$2,638.35	$4,772.00	$43,493.72	$441.79	$86.99	$130.48	$5,431.26
2031	$2,133.65	$2,510.33	$4,643.98	$41,360.07	$450.62	$82.72	$124.08	$5,301.40
2032	$2,297.78	$2,382.31	$4,680.09	$39,226.42	$459.64	$78.45	$117.68	$5,335.86
2033	$2,461.91	$2,244.44	$4,706.35	$36,928.63	$468.83	$73.86	$110.79	$5,359.82
2034	$2,626.04	$2,096.73	$4,722.76	$34,466.72	$478.20	$68.93	$103.40	$5,373.30
2035	$2,790.16	$1,939.16	$4,729.33	$31,840.69	$487.77	$63.68	$95.52	$5,376.30
2036	$2,954.29	$1,771.75	$4,726.04	$29,050.52	$497.52	$58.10	$87.15	$5,368.82
2037	$3,118.42	$1,594.50	$4,712.91	$26,096.23	$507.47	$52.19	$78.29	$5,350.87
2038	$3,282.55	$1,407.39	$4,689.94	$22,977.82	$517.62	$45.96	$68.93	$5,322.45
2039	$3,446.67	$1,206.34	$4,653.01	$19,695.27	$527.98	$39.39	$59.09	$5,279.46
2040	$3,774.93	$995.23	$4,770.15	$16,248.60	$538.54	$32.50	$48.75	$5,389.93
2041	$3,939.05	$764.01	$4,703.07	$12,473.67	$549.31	$24.95	$37.42	$5,314.74
2042	$4,103.18	$522.75	$4,625.93	$8,534.62	$560.29	$17.07	$25.60	$5,228.89
2043	$4,431.44	$271.43	$4,702.86	$4,431.44	$571.50	$8.86	$13.29	$5,296.52
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$63,024.87**	**$75,041.53**	**$138,066.40**		**$12,733.73**	**$2,405.45**	**$3,608.17**	**$151,081.93**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613015 **Lot Type:** TOWNHOMES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$2,594.53	$2,594.53	$63,024.87	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$3,751.13	$3,751.13	$63,024.87	$328.25	$126.05	$189.07	$1,263.50
2016	$984.76	$3,751.13	$4,735.89	$63,024.87	$334.82	$126.05	$189.07	$5,379.55
2017	$984.76	$3,695.74	$4,680.50	$62,040.10	$341.52	$124.08	$186.12	$5,332.22
2018	$984.76	$3,640.34	$4,625.11	$61,055.34	$348.35	$122.11	$183.17	$5,278.73
2019	$1,148.89	$3,584.95	$4,733.84	$60,070.58	$355.31	$120.14	$180.21	$5,389.51
2020	$1,148.89	$3,520.32	$4,669.22	$58,921.69	$362.42	$117.84	$176.77	$5,326.24
2021	$1,313.02	$3,455.70	$4,768.72	$57,772.80	$369.67	$115.55	$173.32	$5,427.25
2022	$1,313.02	$3,381.84	$4,694.86	$56,459.78	$377.06	$112.92	$169.38	$5,354.22
2023	$1,477.15	$3,307.98	$4,785.13	$55,146.76	$384.60	$110.29	$165.44	$5,445.47
2024	$1,477.15	$3,224.90	$4,702.04	$53,669.61	$392.29	$107.34	$161.01	$5,362.68
2025	$1,477.15	$3,141.81	$4,618.95	$52,192.47	$400.14	$104.38	$156.58	$5,280.05
2026	$1,641.27	$3,058.72	$4,699.99	$50,715.32	$408.14	$101.43	$152.15	$5,361.71
2027	$1,805.40	$2,966.40	$4,771.79	$49,074.05	$416.31	$98.15	$147.22	$5,433.47
2028	$1,805.40	$2,864.84	$4,670.24	$47,268.65	$424.63	$94.54	$141.81	$5,331.22
2029	$1,969.53	$2,756.52	$4,726.04	$45,463.25	$433.12	$90.93	$136.39	$5,386.49
2030	$2,133.65	$2,638.35	$4,772.00	$43,493.72	$441.79	$86.99	$130.48	$5,431.26
2031	$2,133.65	$2,510.33	$4,643.98	$41,360.07	$450.62	$82.72	$124.08	$5,301.40
2032	$2,297.78	$2,382.31	$4,680.09	$39,226.42	$459.64	$78.45	$117.68	$5,335.86
2033	$2,461.91	$2,244.44	$4,706.35	$36,928.63	$468.83	$73.86	$110.79	$5,359.82
2034	$2,626.04	$2,096.73	$4,722.76	$34,466.72	$478.20	$68.93	$103.40	$5,373.30
2035	$2,790.16	$1,939.16	$4,729.33	$31,840.69	$487.77	$63.68	$95.52	$5,376.30
2036	$2,954.29	$1,771.75	$4,726.04	$29,050.52	$497.52	$58.10	$87.15	$5,368.82
2037	$3,118.42	$1,594.50	$4,712.91	$26,096.23	$507.47	$52.19	$78.29	$5,350.87
2038	$3,282.55	$1,407.39	$4,689.94	$22,977.82	$517.62	$45.96	$68.93	$5,322.45
2039	$3,446.67	$1,206.34	$4,653.01	$19,695.27	$527.98	$39.39	$59.09	$5,279.46
2040	$3,774.93	$995.23	$4,770.15	$16,248.60	$538.54	$32.50	$48.75	$5,389.93
2041	$3,939.05	$764.01	$4,703.07	$12,473.67	$549.31	$24.95	$37.42	$5,314.74
2042	$4,103.18	$522.75	$4,625.93	$8,534.62	$560.29	$17.07	$25.60	$5,228.89
2043	$4,431.44	$271.43	$4,702.86	$4,431.44	$571.50	$8.86	$13.29	$5,296.52
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$63,024.87**	**$75,041.53**	**$138,066.40**		**$12,733.73**	**$2,405.45**	**$3,608.17**	**$151,081.93**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613016 **Lot Type:** TOWNHOMES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$2,594.53	$2,594.53	$63,024.87	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$3,751.13	$3,751.13	$63,024.87	$328.25	$126.05	$189.07	$1,263.50
2016	$984.76	$3,751.13	$4,735.89	$63,024.87	$334.82	$126.05	$189.07	$5,379.55
2017	$984.76	$3,695.74	$4,680.50	$62,040.10	$341.52	$124.08	$186.12	$5,332.22
2018	$984.76	$3,640.34	$4,625.11	$61,055.34	$348.35	$122.11	$183.17	$5,278.73
2019	$1,148.89	$3,584.95	$4,733.84	$60,070.58	$355.31	$120.14	$180.21	$5,389.51
2020	$1,148.89	$3,520.32	$4,669.22	$58,921.69	$362.42	$117.84	$176.77	$5,326.24
2021	$1,313.02	$3,455.70	$4,768.72	$57,772.80	$369.67	$115.55	$173.32	$5,427.25
2022	$1,313.02	$3,381.84	$4,694.86	$56,459.78	$377.06	$112.92	$169.38	$5,354.22
2023	$1,477.15	$3,307.98	$4,785.13	$55,146.76	$384.60	$110.29	$165.44	$5,445.47
2024	$1,477.15	$3,224.90	$4,702.04	$53,669.61	$392.29	$107.34	$161.01	$5,362.68
2025	$1,477.15	$3,141.81	$4,618.95	$52,192.47	$400.14	$104.38	$156.58	$5,280.05
2026	$1,641.27	$3,058.72	$4,699.99	$50,715.32	$408.14	$101.43	$152.15	$5,361.71
2027	$1,805.40	$2,966.40	$4,771.79	$49,074.05	$416.31	$98.15	$147.22	$5,433.47
2028	$1,805.40	$2,864.84	$4,670.24	$47,268.65	$424.63	$94.54	$141.81	$5,331.22
2029	$1,969.53	$2,756.52	$4,726.04	$45,463.25	$433.12	$90.93	$136.39	$5,386.49
2030	$2,133.65	$2,638.35	$4,772.00	$43,493.72	$441.79	$86.99	$130.48	$5,431.26
2031	$2,133.65	$2,510.33	$4,643.98	$41,360.07	$450.62	$82.72	$124.08	$5,301.40
2032	$2,297.78	$2,382.31	$4,680.09	$39,226.42	$459.64	$78.45	$117.68	$5,335.86
2033	$2,461.91	$2,244.44	$4,706.35	$36,928.63	$468.83	$73.86	$110.79	$5,359.82
2034	$2,626.04	$2,096.73	$4,722.76	$34,466.72	$478.20	$68.93	$103.40	$5,373.30
2035	$2,790.16	$1,939.16	$4,729.33	$31,840.69	$487.77	$63.68	$95.52	$5,376.30
2036	$2,954.29	$1,771.75	$4,726.04	$29,050.52	$497.52	$58.10	$87.15	$5,368.82
2037	$3,118.42	$1,594.50	$4,712.91	$26,096.23	$507.47	$52.19	$78.29	$5,350.87
2038	$3,282.55	$1,407.39	$4,689.94	$22,977.82	$517.62	$45.96	$68.93	$5,322.45
2039	$3,446.67	$1,206.34	$4,653.01	$19,695.27	$527.98	$39.39	$59.09	$5,279.46
2040	$3,774.93	$995.23	$4,770.15	$16,248.60	$538.54	$32.50	$48.75	$5,389.93
2041	$3,939.05	$764.01	$4,703.07	$12,473.67	$549.31	$24.95	$37.42	$5,314.74
2042	$4,103.18	$522.75	$4,625.93	$8,534.62	$560.29	$17.07	$25.60	$5,228.89
2043	$4,431.44	$271.43	$4,702.86	$4,431.44	$571.50	$8.86	$13.29	$5,296.52
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$63,024.87**	**$75,041.53**	**$138,066.40**		**$12,733.73**	**$2,405.45**	**$3,608.17**	**$151,081.93**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613017 **Lot Type:** TOWNHOMES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$2,594.53	$2,594.53	$63,024.87	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$3,751.13	$3,751.13	$63,024.87	$328.25	$126.05	$189.07	$1,263.50
2016	$984.76	$3,751.13	$4,735.89	$63,024.87	$334.82	$126.05	$189.07	$5,379.55
2017	$984.76	$3,695.74	$4,680.50	$62,040.10	$341.52	$124.08	$186.12	$5,332.22
2018	$984.76	$3,640.34	$4,625.11	$61,055.34	$348.35	$122.11	$183.17	$5,278.73
2019	$1,148.89	$3,584.95	$4,733.84	$60,070.58	$355.31	$120.14	$180.21	$5,389.51
2020	$1,148.89	$3,520.32	$4,669.22	$58,921.69	$362.42	$117.84	$176.77	$5,326.24
2021	$1,313.02	$3,455.70	$4,768.72	$57,772.80	$369.67	$115.55	$173.32	$5,427.25
2022	$1,313.02	$3,381.84	$4,694.86	$56,459.78	$377.06	$112.92	$169.38	$5,354.22
2023	$1,477.15	$3,307.98	$4,785.13	$55,146.76	$384.60	$110.29	$165.44	$5,445.47
2024	$1,477.15	$3,224.90	$4,702.04	$53,669.61	$392.29	$107.34	$161.01	$5,362.68
2025	$1,477.15	$3,141.81	$4,618.95	$52,192.47	$400.14	$104.38	$156.58	$5,280.05
2026	$1,641.27	$3,058.72	$4,699.99	$50,715.32	$408.14	$101.43	$152.15	$5,361.71
2027	$1,805.40	$2,966.40	$4,771.79	$49,074.05	$416.31	$98.15	$147.22	$5,433.47
2028	$1,805.40	$2,864.84	$4,670.24	$47,268.65	$424.63	$94.54	$141.81	$5,331.22
2029	$1,969.53	$2,756.52	$4,726.04	$45,463.25	$433.12	$90.93	$136.39	$5,386.49
2030	$2,133.65	$2,638.35	$4,772.00	$43,493.72	$441.79	$86.99	$130.48	$5,431.26
2031	$2,133.65	$2,510.33	$4,643.98	$41,360.07	$450.62	$82.72	$124.08	$5,301.40
2032	$2,297.78	$2,382.31	$4,680.09	$39,226.42	$459.64	$78.45	$117.68	$5,335.86
2033	$2,461.91	$2,244.44	$4,706.35	$36,928.63	$468.83	$73.86	$110.79	$5,359.82
2034	$2,626.04	$2,096.73	$4,722.76	$34,466.72	$478.20	$68.93	$103.40	$5,373.30
2035	$2,790.16	$1,939.16	$4,729.33	$31,840.69	$487.77	$63.68	$95.52	$5,376.30
2036	$2,954.29	$1,771.75	$4,726.04	$29,050.52	$497.52	$58.10	$87.15	$5,368.82
2037	$3,118.42	$1,594.50	$4,712.91	$26,096.23	$507.47	$52.19	$78.29	$5,350.87
2038	$3,282.55	$1,407.39	$4,689.94	$22,977.82	$517.62	$45.96	$68.93	$5,322.45
2039	$3,446.67	$1,206.34	$4,653.01	$19,695.27	$527.98	$39.39	$59.09	$5,279.46
2040	$3,774.93	$995.23	$4,770.15	$16,248.60	$538.54	$32.50	$48.75	$5,389.93
2041	$3,939.05	$764.01	$4,703.07	$12,473.67	$549.31	$24.95	$37.42	$5,314.74
2042	$4,103.18	$522.75	$4,625.93	$8,534.62	$560.29	$17.07	$25.60	$5,228.89
2043	$4,431.44	$271.43	$4,702.86	$4,431.44	$571.50	$8.86	$13.29	$5,296.52
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$63,024.87**	**$75,041.53**	**$138,066.40**		**$12,733.73**	**$2,405.45**	**$3,608.17**	**$151,081.93**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613018 **Lot Type:** TOWNHOMES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$2,594.53	$2,594.53	$63,024.87	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$3,751.13	$3,751.13	$63,024.87	$328.25	$126.05	$189.07	$1,263.50
2016	$984.76	$3,751.13	$4,735.89	$63,024.87	$334.82	$126.05	$189.07	$5,379.55
2017	$984.76	$3,695.74	$4,680.50	$62,040.10	$341.52	$124.08	$186.12	$5,332.22
2018	$984.76	$3,640.34	$4,625.11	$61,055.34	$348.35	$122.11	$183.17	$5,278.73
2019	$1,148.89	$3,584.95	$4,733.84	$60,070.58	$355.31	$120.14	$180.21	$5,389.51
2020	$1,148.89	$3,520.32	$4,669.22	$58,921.69	$362.42	$117.84	$176.77	$5,326.24
2021	$1,313.02	$3,455.70	$4,768.72	$57,772.80	$369.67	$115.55	$173.32	$5,427.25
2022	$1,313.02	$3,381.84	$4,694.86	$56,459.78	$377.06	$112.92	$169.38	$5,354.22
2023	$1,477.15	$3,307.98	$4,785.13	$55,146.76	$384.60	$110.29	$165.44	$5,445.47
2024	$1,477.15	$3,224.90	$4,702.04	$53,669.61	$392.29	$107.34	$161.01	$5,362.68
2025	$1,477.15	$3,141.81	$4,618.95	$52,192.47	$400.14	$104.38	$156.58	$5,280.05
2026	$1,641.27	$3,058.72	$4,699.99	$50,715.32	$408.14	$101.43	$152.15	$5,361.71
2027	$1,805.40	$2,966.40	$4,771.79	$49,074.05	$416.31	$98.15	$147.22	$5,433.47
2028	$1,805.40	$2,864.84	$4,670.24	$47,268.65	$424.63	$94.54	$141.81	$5,331.22
2029	$1,969.53	$2,756.52	$4,726.04	$45,463.25	$433.12	$90.93	$136.39	$5,386.49
2030	$2,133.65	$2,638.35	$4,772.00	$43,493.72	$441.79	$86.99	$130.48	$5,431.26
2031	$2,133.65	$2,510.33	$4,643.98	$41,360.07	$450.62	$82.72	$124.08	$5,301.40
2032	$2,297.78	$2,382.31	$4,680.09	$39,226.42	$459.64	$78.45	$117.68	$5,335.86
2033	$2,461.91	$2,244.44	$4,706.35	$36,928.63	$468.83	$73.86	$110.79	$5,359.82
2034	$2,626.04	$2,096.73	$4,722.76	$34,466.72	$478.20	$68.93	$103.40	$5,373.30
2035	$2,790.16	$1,939.16	$4,729.33	$31,840.69	$487.77	$63.68	$95.52	$5,376.30
2036	$2,954.29	$1,771.75	$4,726.04	$29,050.52	$497.52	$58.10	$87.15	$5,368.82
2037	$3,118.42	$1,594.50	$4,712.91	$26,096.23	$507.47	$52.19	$78.29	$5,350.87
2038	$3,282.55	$1,407.39	$4,689.94	$22,977.82	$517.62	$45.96	$68.93	$5,322.45
2039	$3,446.67	$1,206.34	$4,653.01	$19,695.27	$527.98	$39.39	$59.09	$5,279.46
2040	$3,774.93	$995.23	$4,770.15	$16,248.60	$538.54	$32.50	$48.75	$5,389.93
2041	$3,939.05	$764.01	$4,703.07	$12,473.67	$549.31	$24.95	$37.42	$5,314.74
2042	$4,103.18	$522.75	$4,625.93	$8,534.62	$560.29	$17.07	$25.60	$5,228.89
2043	$4,431.44	$271.43	$4,702.86	$4,431.44	$571.50	$8.86	$13.29	$5,296.52
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$63,024.87**	**$75,041.53**	**$138,066.40**		**$12,733.73**	**$2,405.45**	**$3,608.17**	**$151,081.93**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613019 **Lot Type:** TOWNHOMES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$2,594.53	$2,594.53	$63,024.87	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$3,751.13	$3,751.13	$63,024.87	$328.25	$126.05	$189.07	$1,263.50
2016	$984.76	$3,751.13	$4,735.89	$63,024.87	$334.82	$126.05	$189.07	$5,379.55
2017	$984.76	$3,695.74	$4,680.50	$62,040.10	$341.52	$124.08	$186.12	$5,332.22
2018	$984.76	$3,640.34	$4,625.11	$61,055.34	$348.35	$122.11	$183.17	$5,278.73
2019	$1,148.89	$3,584.95	$4,733.84	$60,070.58	$355.31	$120.14	$180.21	$5,389.51
2020	$1,148.89	$3,520.32	$4,669.22	$58,921.69	$362.42	$117.84	$176.77	$5,326.24
2021	$1,313.02	$3,455.70	$4,768.72	$57,772.80	$369.67	$115.55	$173.32	$5,427.25
2022	$1,313.02	$3,381.84	$4,694.86	$56,459.78	$377.06	$112.92	$169.38	$5,354.22
2023	$1,477.15	$3,307.98	$4,785.13	$55,146.76	$384.60	$110.29	$165.44	$5,445.47
2024	$1,477.15	$3,224.90	$4,702.04	$53,669.61	$392.29	$107.34	$161.01	$5,362.68
2025	$1,477.15	$3,141.81	$4,618.95	$52,192.47	$400.14	$104.38	$156.58	$5,280.05
2026	$1,641.27	$3,058.72	$4,699.99	$50,715.32	$408.14	$101.43	$152.15	$5,361.71
2027	$1,805.40	$2,966.40	$4,771.79	$49,074.05	$416.31	$98.15	$147.22	$5,433.47
2028	$1,805.40	$2,864.84	$4,670.24	$47,268.65	$424.63	$94.54	$141.81	$5,331.22
2029	$1,969.53	$2,756.52	$4,726.04	$45,463.25	$433.12	$90.93	$136.39	$5,386.49
2030	$2,133.65	$2,638.35	$4,772.00	$43,493.72	$441.79	$86.99	$130.48	$5,431.26
2031	$2,133.65	$2,510.33	$4,643.98	$41,360.07	$450.62	$82.72	$124.08	$5,301.40
2032	$2,297.78	$2,382.31	$4,680.09	$39,226.42	$459.64	$78.45	$117.68	$5,335.86
2033	$2,461.91	$2,244.44	$4,706.35	$36,928.63	$468.83	$73.86	$110.79	$5,359.82
2034	$2,626.04	$2,096.73	$4,722.76	$34,466.72	$478.20	$68.93	$103.40	$5,373.30
2035	$2,790.16	$1,939.16	$4,729.33	$31,840.69	$487.77	$63.68	$95.52	$5,376.30
2036	$2,954.29	$1,771.75	$4,726.04	$29,050.52	$497.52	$58.10	$87.15	$5,368.82
2037	$3,118.42	$1,594.50	$4,712.91	$26,096.23	$507.47	$52.19	$78.29	$5,350.87
2038	$3,282.55	$1,407.39	$4,689.94	$22,977.82	$517.62	$45.96	$68.93	$5,322.45
2039	$3,446.67	$1,206.34	$4,653.01	$19,695.27	$527.98	$39.39	$59.09	$5,279.46
2040	$3,774.93	$995.23	$4,770.15	$16,248.60	$538.54	$32.50	$48.75	$5,389.93
2041	$3,939.05	$764.01	$4,703.07	$12,473.67	$549.31	$24.95	$37.42	$5,314.74
2042	$4,103.18	$522.75	$4,625.93	$8,534.62	$560.29	$17.07	$25.60	$5,228.89
2043	$4,431.44	$271.43	$4,702.86	$4,431.44	$571.50	$8.86	$13.29	$5,296.52
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$63,024.87**	**$75,041.53**	**$138,066.40**		**$12,733.73**	**$2,405.45**	**$3,608.17**	**$151,081.93**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613020 **Lot Type:** TOWNHOMES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$2,594.53	$2,594.53	$63,024.87	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$3,751.13	$3,751.13	$63,024.87	$328.25	$126.05	$189.07	$1,263.50
2016	$984.76	$3,751.13	$4,735.89	$63,024.87	$334.82	$126.05	$189.07	$5,379.55
2017	$984.76	$3,695.74	$4,680.50	$62,040.10	$341.52	$124.08	$186.12	$5,332.22
2018	$984.76	$3,640.34	$4,625.11	$61,055.34	$348.35	$122.11	$183.17	$5,278.73
2019	$1,148.89	$3,584.95	$4,733.84	$60,070.58	$355.31	$120.14	$180.21	$5,389.51
2020	$1,148.89	$3,520.32	$4,669.22	$58,921.69	$362.42	$117.84	$176.77	$5,326.24
2021	$1,313.02	$3,455.70	$4,768.72	$57,772.80	$369.67	$115.55	$173.32	$5,427.25
2022	$1,313.02	$3,381.84	$4,694.86	$56,459.78	$377.06	$112.92	$169.38	$5,354.22
2023	$1,477.15	$3,307.98	$4,785.13	$55,146.76	$384.60	$110.29	$165.44	$5,445.47
2024	$1,477.15	$3,224.90	$4,702.04	$53,669.61	$392.29	$107.34	$161.01	$5,362.68
2025	$1,477.15	$3,141.81	$4,618.95	$52,192.47	$400.14	$104.38	$156.58	$5,280.05
2026	$1,641.27	$3,058.72	$4,699.99	$50,715.32	$408.14	$101.43	$152.15	$5,361.71
2027	$1,805.40	$2,966.40	$4,771.79	$49,074.05	$416.31	$98.15	$147.22	$5,433.47
2028	$1,805.40	$2,864.84	$4,670.24	$47,268.65	$424.63	$94.54	$141.81	$5,331.22
2029	$1,969.53	$2,756.52	$4,726.04	$45,463.25	$433.12	$90.93	$136.39	$5,386.49
2030	$2,133.65	$2,638.35	$4,772.00	$43,493.72	$441.79	$86.99	$130.48	$5,431.26
2031	$2,133.65	$2,510.33	$4,643.98	$41,360.07	$450.62	$82.72	$124.08	$5,301.40
2032	$2,297.78	$2,382.31	$4,680.09	$39,226.42	$459.64	$78.45	$117.68	$5,335.86
2033	$2,461.91	$2,244.44	$4,706.35	$36,928.63	$468.83	$73.86	$110.79	$5,359.82
2034	$2,626.04	$2,096.73	$4,722.76	$34,466.72	$478.20	$68.93	$103.40	$5,373.30
2035	$2,790.16	$1,939.16	$4,729.33	$31,840.69	$487.77	$63.68	$95.52	$5,376.30
2036	$2,954.29	$1,771.75	$4,726.04	$29,050.52	$497.52	$58.10	$87.15	$5,368.82
2037	$3,118.42	$1,594.50	$4,712.91	$26,096.23	$507.47	$52.19	$78.29	$5,350.87
2038	$3,282.55	$1,407.39	$4,689.94	$22,977.82	$517.62	$45.96	$68.93	$5,322.45
2039	$3,446.67	$1,206.34	$4,653.01	$19,695.27	$527.98	$39.39	$59.09	$5,279.46
2040	$3,774.93	$995.23	$4,770.15	$16,248.60	$538.54	$32.50	$48.75	$5,389.93
2041	$3,939.05	$764.01	$4,703.07	$12,473.67	$549.31	$24.95	$37.42	$5,314.74
2042	$4,103.18	$522.75	$4,625.93	$8,534.62	$560.29	$17.07	$25.60	$5,228.89
2043	$4,431.44	$271.43	$4,702.86	$4,431.44	$571.50	$8.86	$13.29	$5,296.52
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$63,024.87**	**$75,041.53**	**$138,066.40**		**$12,733.73**	**$2,405.45**	**$3,608.17**	**$151,081.93**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613021 **Lot Type:** TOWNHOMES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$2,594.53	$2,594.53	$63,024.87	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$3,751.13	$3,751.13	$63,024.87	$328.25	$126.05	$189.07	$1,263.50
2016	$984.76	$3,751.13	$4,735.89	$63,024.87	$334.82	$126.05	$189.07	$5,379.55
2017	$984.76	$3,695.74	$4,680.50	$62,040.10	$341.52	$124.08	$186.12	$5,332.22
2018	$984.76	$3,640.34	$4,625.11	$61,055.34	$348.35	$122.11	$183.17	$5,278.73
2019	$1,148.89	$3,584.95	$4,733.84	$60,070.58	$355.31	$120.14	$180.21	$5,389.51
2020	$1,148.89	$3,520.32	$4,669.22	$58,921.69	$362.42	$117.84	$176.77	$5,326.24
2021	$1,313.02	$3,455.70	$4,768.72	$57,772.80	$369.67	$115.55	$173.32	$5,427.25
2022	$1,313.02	$3,381.84	$4,694.86	$56,459.78	$377.06	$112.92	$169.38	$5,354.22
2023	$1,477.15	$3,307.98	$4,785.13	$55,146.76	$384.60	$110.29	$165.44	$5,445.47
2024	$1,477.15	$3,224.90	$4,702.04	$53,669.61	$392.29	$107.34	$161.01	$5,362.68
2025	$1,477.15	$3,141.81	$4,618.95	$52,192.47	$400.14	$104.38	$156.58	$5,280.05
2026	$1,641.27	$3,058.72	$4,699.99	$50,715.32	$408.14	$101.43	$152.15	$5,361.71
2027	$1,805.40	$2,966.40	$4,771.79	$49,074.05	$416.31	$98.15	$147.22	$5,433.47
2028	$1,805.40	$2,864.84	$4,670.24	$47,268.65	$424.63	$94.54	$141.81	$5,331.22
2029	$1,969.53	$2,756.52	$4,726.04	$45,463.25	$433.12	$90.93	$136.39	$5,386.49
2030	$2,133.65	$2,638.35	$4,772.00	$43,493.72	$441.79	$86.99	$130.48	$5,431.26
2031	$2,133.65	$2,510.33	$4,643.98	$41,360.07	$450.62	$82.72	$124.08	$5,301.40
2032	$2,297.78	$2,382.31	$4,680.09	$39,226.42	$459.64	$78.45	$117.68	$5,335.86
2033	$2,461.91	$2,244.44	$4,706.35	$36,928.63	$468.83	$73.86	$110.79	$5,359.82
2034	$2,626.04	$2,096.73	$4,722.76	$34,466.72	$478.20	$68.93	$103.40	$5,373.30
2035	$2,790.16	$1,939.16	$4,729.33	$31,840.69	$487.77	$63.68	$95.52	$5,376.30
2036	$2,954.29	$1,771.75	$4,726.04	$29,050.52	$497.52	$58.10	$87.15	$5,368.82
2037	$3,118.42	$1,594.50	$4,712.91	$26,096.23	$507.47	$52.19	$78.29	$5,350.87
2038	$3,282.55	$1,407.39	$4,689.94	$22,977.82	$517.62	$45.96	$68.93	$5,322.45
2039	$3,446.67	$1,206.34	$4,653.01	$19,695.27	$527.98	$39.39	$59.09	$5,279.46
2040	$3,774.93	$995.23	$4,770.15	$16,248.60	$538.54	$32.50	$48.75	$5,389.93
2041	$3,939.05	$764.01	$4,703.07	$12,473.67	$549.31	$24.95	$37.42	$5,314.74
2042	$4,103.18	$522.75	$4,625.93	$8,534.62	$560.29	$17.07	$25.60	$5,228.89
2043	$4,431.44	$271.43	$4,702.86	$4,431.44	$571.50	$8.86	$13.29	$5,296.52
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$63,024.87**	**$75,041.53**	**$138,066.40**		**$12,733.73**	**$2,405.45**	**$3,608.17**	**$151,081.93**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613022 **Lot Type:** TOWNHOMES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$2,594.53	$2,594.53	$63,024.87	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$3,751.13	$3,751.13	$63,024.87	$328.25	$126.05	$189.07	$1,263.50
2016	$984.76	$3,751.13	$4,735.89	$63,024.87	$334.82	$126.05	$189.07	$5,379.55
2017	$984.76	$3,695.74	$4,680.50	$62,040.10	$341.52	$124.08	$186.12	$5,332.22
2018	$984.76	$3,640.34	$4,625.11	$61,055.34	$348.35	$122.11	$183.17	$5,278.73
2019	$1,148.89	$3,584.95	$4,733.84	$60,070.58	$355.31	$120.14	$180.21	$5,389.51
2020	$1,148.89	$3,520.32	$4,669.22	$58,921.69	$362.42	$117.84	$176.77	$5,326.24
2021	$1,313.02	$3,455.70	$4,768.72	$57,772.80	$369.67	$115.55	$173.32	$5,427.25
2022	$1,313.02	$3,381.84	$4,694.86	$56,459.78	$377.06	$112.92	$169.38	$5,354.22
2023	$1,477.15	$3,307.98	$4,785.13	$55,146.76	$384.60	$110.29	$165.44	$5,445.47
2024	$1,477.15	$3,224.90	$4,702.04	$53,669.61	$392.29	$107.34	$161.01	$5,362.68
2025	$1,477.15	$3,141.81	$4,618.95	$52,192.47	$400.14	$104.38	$156.58	$5,280.05
2026	$1,641.27	$3,058.72	$4,699.99	$50,715.32	$408.14	$101.43	$152.15	$5,361.71
2027	$1,805.40	$2,966.40	$4,771.79	$49,074.05	$416.31	$98.15	$147.22	$5,433.47
2028	$1,805.40	$2,864.84	$4,670.24	$47,268.65	$424.63	$94.54	$141.81	$5,331.22
2029	$1,969.53	$2,756.52	$4,726.04	$45,463.25	$433.12	$90.93	$136.39	$5,386.49
2030	$2,133.65	$2,638.35	$4,772.00	$43,493.72	$441.79	$86.99	$130.48	$5,431.26
2031	$2,133.65	$2,510.33	$4,643.98	$41,360.07	$450.62	$82.72	$124.08	$5,301.40
2032	$2,297.78	$2,382.31	$4,680.09	$39,226.42	$459.64	$78.45	$117.68	$5,335.86
2033	$2,461.91	$2,244.44	$4,706.35	$36,928.63	$468.83	$73.86	$110.79	$5,359.82
2034	$2,626.04	$2,096.73	$4,722.76	$34,466.72	$478.20	$68.93	$103.40	$5,373.30
2035	$2,790.16	$1,939.16	$4,729.33	$31,840.69	$487.77	$63.68	$95.52	$5,376.30
2036	$2,954.29	$1,771.75	$4,726.04	$29,050.52	$497.52	$58.10	$87.15	$5,368.82
2037	$3,118.42	$1,594.50	$4,712.91	$26,096.23	$507.47	$52.19	$78.29	$5,350.87
2038	$3,282.55	$1,407.39	$4,689.94	$22,977.82	$517.62	$45.96	$68.93	$5,322.45
2039	$3,446.67	$1,206.34	$4,653.01	$19,695.27	$527.98	$39.39	$59.09	$5,279.46
2040	$3,774.93	$995.23	$4,770.15	$16,248.60	$538.54	$32.50	$48.75	$5,389.93
2041	$3,939.05	$764.01	$4,703.07	$12,473.67	$549.31	$24.95	$37.42	$5,314.74
2042	$4,103.18	$522.75	$4,625.93	$8,534.62	$560.29	$17.07	$25.60	$5,228.89
2043	$4,431.44	$271.43	$4,702.86	$4,431.44	$571.50	$8.86	$13.29	$5,296.52
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$63,024.87**	**$75,041.53**	**$138,066.40**		**$12,733.73**	**$2,405.45**	**$3,608.17**	**$151,081.93**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613023 **Lot Type:** TOWNHOMES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$2,594.53	$2,594.53	$63,024.87	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$3,751.13	$3,751.13	$63,024.87	$328.25	$126.05	$189.07	$1,263.50
2016	$984.76	$3,751.13	$4,735.89	$63,024.87	$334.82	$126.05	$189.07	$5,379.55
2017	$984.76	$3,695.74	$4,680.50	$62,040.10	$341.52	$124.08	$186.12	$5,332.22
2018	$984.76	$3,640.34	$4,625.11	$61,055.34	$348.35	$122.11	$183.17	$5,278.73
2019	$1,148.89	$3,584.95	$4,733.84	$60,070.58	$355.31	$120.14	$180.21	$5,389.51
2020	$1,148.89	$3,520.32	$4,669.22	$58,921.69	$362.42	$117.84	$176.77	$5,326.24
2021	$1,313.02	$3,455.70	$4,768.72	$57,772.80	$369.67	$115.55	$173.32	$5,427.25
2022	$1,313.02	$3,381.84	$4,694.86	$56,459.78	$377.06	$112.92	$169.38	$5,354.22
2023	$1,477.15	$3,307.98	$4,785.13	$55,146.76	$384.60	$110.29	$165.44	$5,445.47
2024	$1,477.15	$3,224.90	$4,702.04	$53,669.61	$392.29	$107.34	$161.01	$5,362.68
2025	$1,477.15	$3,141.81	$4,618.95	$52,192.47	$400.14	$104.38	$156.58	$5,280.05
2026	$1,641.27	$3,058.72	$4,699.99	$50,715.32	$408.14	$101.43	$152.15	$5,361.71
2027	$1,805.40	$2,966.40	$4,771.79	$49,074.05	$416.31	$98.15	$147.22	$5,433.47
2028	$1,805.40	$2,864.84	$4,670.24	$47,268.65	$424.63	$94.54	$141.81	$5,331.22
2029	$1,969.53	$2,756.52	$4,726.04	$45,463.25	$433.12	$90.93	$136.39	$5,386.49
2030	$2,133.65	$2,638.35	$4,772.00	$43,493.72	$441.79	$86.99	$130.48	$5,431.26
2031	$2,133.65	$2,510.33	$4,643.98	$41,360.07	$450.62	$82.72	$124.08	$5,301.40
2032	$2,297.78	$2,382.31	$4,680.09	$39,226.42	$459.64	$78.45	$117.68	$5,335.86
2033	$2,461.91	$2,244.44	$4,706.35	$36,928.63	$468.83	$73.86	$110.79	$5,359.82
2034	$2,626.04	$2,096.73	$4,722.76	$34,466.72	$478.20	$68.93	$103.40	$5,373.30
2035	$2,790.16	$1,939.16	$4,729.33	$31,840.69	$487.77	$63.68	$95.52	$5,376.30
2036	$2,954.29	$1,771.75	$4,726.04	$29,050.52	$497.52	$58.10	$87.15	$5,368.82
2037	$3,118.42	$1,594.50	$4,712.91	$26,096.23	$507.47	$52.19	$78.29	$5,350.87
2038	$3,282.55	$1,407.39	$4,689.94	$22,977.82	$517.62	$45.96	$68.93	$5,322.45
2039	$3,446.67	$1,206.34	$4,653.01	$19,695.27	$527.98	$39.39	$59.09	$5,279.46
2040	$3,774.93	$995.23	$4,770.15	$16,248.60	$538.54	$32.50	$48.75	$5,389.93
2041	$3,939.05	$764.01	$4,703.07	$12,473.67	$549.31	$24.95	$37.42	$5,314.74
2042	$4,103.18	$522.75	$4,625.93	$8,534.62	$560.29	$17.07	$25.60	$5,228.89
2043	$4,431.44	$271.43	$4,702.86	$4,431.44	$571.50	$8.86	$13.29	$5,296.52
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$63,024.87**	**$75,041.53**	**$138,066.40**		**$12,733.73**	**$2,405.45**	**$3,608.17**	**$151,081.93**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613024 **Lot Type:** TOWNHOMES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$2,594.53	$2,594.53	$63,024.87	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$3,751.13	$3,751.13	$63,024.87	$328.25	$126.05	$189.07	$1,263.50
2016	$984.76	$3,751.13	$4,735.89	$63,024.87	$334.82	$126.05	$189.07	$5,379.55
2017	$984.76	$3,695.74	$4,680.50	$62,040.10	$341.52	$124.08	$186.12	$5,332.22
2018	$984.76	$3,640.34	$4,625.11	$61,055.34	$348.35	$122.11	$183.17	$5,278.73
2019	$1,148.89	$3,584.95	$4,733.84	$60,070.58	$355.31	$120.14	$180.21	$5,389.51
2020	$1,148.89	$3,520.32	$4,669.22	$58,921.69	$362.42	$117.84	$176.77	$5,326.24
2021	$1,313.02	$3,455.70	$4,768.72	$57,772.80	$369.67	$115.55	$173.32	$5,427.25
2022	$1,313.02	$3,381.84	$4,694.86	$56,459.78	$377.06	$112.92	$169.38	$5,354.22
2023	$1,477.15	$3,307.98	$4,785.13	$55,146.76	$384.60	$110.29	$165.44	$5,445.47
2024	$1,477.15	$3,224.90	$4,702.04	$53,669.61	$392.29	$107.34	$161.01	$5,362.68
2025	$1,477.15	$3,141.81	$4,618.95	$52,192.47	$400.14	$104.38	$156.58	$5,280.05
2026	$1,641.27	$3,058.72	$4,699.99	$50,715.32	$408.14	$101.43	$152.15	$5,361.71
2027	$1,805.40	$2,966.40	$4,771.79	$49,074.05	$416.31	$98.15	$147.22	$5,433.47
2028	$1,805.40	$2,864.84	$4,670.24	$47,268.65	$424.63	$94.54	$141.81	$5,331.22
2029	$1,969.53	$2,756.52	$4,726.04	$45,463.25	$433.12	$90.93	$136.39	$5,386.49
2030	$2,133.65	$2,638.35	$4,772.00	$43,493.72	$441.79	$86.99	$130.48	$5,431.26
2031	$2,133.65	$2,510.33	$4,643.98	$41,360.07	$450.62	$82.72	$124.08	$5,301.40
2032	$2,297.78	$2,382.31	$4,680.09	$39,226.42	$459.64	$78.45	$117.68	$5,335.86
2033	$2,461.91	$2,244.44	$4,706.35	$36,928.63	$468.83	$73.86	$110.79	$5,359.82
2034	$2,626.04	$2,096.73	$4,722.76	$34,466.72	$478.20	$68.93	$103.40	$5,373.30
2035	$2,790.16	$1,939.16	$4,729.33	$31,840.69	$487.77	$63.68	$95.52	$5,376.30
2036	$2,954.29	$1,771.75	$4,726.04	$29,050.52	$497.52	$58.10	$87.15	$5,368.82
2037	$3,118.42	$1,594.50	$4,712.91	$26,096.23	$507.47	$52.19	$78.29	$5,350.87
2038	$3,282.55	$1,407.39	$4,689.94	$22,977.82	$517.62	$45.96	$68.93	$5,322.45
2039	$3,446.67	$1,206.34	$4,653.01	$19,695.27	$527.98	$39.39	$59.09	$5,279.46
2040	$3,774.93	$995.23	$4,770.15	$16,248.60	$538.54	$32.50	$48.75	$5,389.93
2041	$3,939.05	$764.01	$4,703.07	$12,473.67	$549.31	$24.95	$37.42	$5,314.74
2042	$4,103.18	$522.75	$4,625.93	$8,534.62	$560.29	$17.07	$25.60	$5,228.89
2043	$4,431.44	$271.43	$4,702.86	$4,431.44	$571.50	$8.86	$13.29	$5,296.52
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$63,024.87**	**$75,041.53**	**$138,066.40**		**$12,733.73**	**$2,405.45**	**$3,608.17**	**$151,081.93**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613025 **Lot Type:** TOWNHOMES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$2,594.53	$2,594.53	$63,024.87	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$3,751.13	$3,751.13	$63,024.87	$328.25	$126.05	$189.07	$1,263.50
2016	$984.76	$3,751.13	$4,735.89	$63,024.87	$334.82	$126.05	$189.07	$5,379.55
2017	$984.76	$3,695.74	$4,680.50	$62,040.10	$341.52	$124.08	$186.12	$5,332.22
2018	$984.76	$3,640.34	$4,625.11	$61,055.34	$348.35	$122.11	$183.17	$5,278.73
2019	$1,148.89	$3,584.95	$4,733.84	$60,070.58	$355.31	$120.14	$180.21	$5,389.51
2020	$1,148.89	$3,520.32	$4,669.22	$58,921.69	$362.42	$117.84	$176.77	$5,326.24
2021	$1,313.02	$3,455.70	$4,768.72	$57,772.80	$369.67	$115.55	$173.32	$5,427.25
2022	$1,313.02	$3,381.84	$4,694.86	$56,459.78	$377.06	$112.92	$169.38	$5,354.22
2023	$1,477.15	$3,307.98	$4,785.13	$55,146.76	$384.60	$110.29	$165.44	$5,445.47
2024	$1,477.15	$3,224.90	$4,702.04	$53,669.61	$392.29	$107.34	$161.01	$5,362.68
2025	$1,477.15	$3,141.81	$4,618.95	$52,192.47	$400.14	$104.38	$156.58	$5,280.05
2026	$1,641.27	$3,058.72	$4,699.99	$50,715.32	$408.14	$101.43	$152.15	$5,361.71
2027	$1,805.40	$2,966.40	$4,771.79	$49,074.05	$416.31	$98.15	$147.22	$5,433.47
2028	$1,805.40	$2,864.84	$4,670.24	$47,268.65	$424.63	$94.54	$141.81	$5,331.22
2029	$1,969.53	$2,756.52	$4,726.04	$45,463.25	$433.12	$90.93	$136.39	$5,386.49
2030	$2,133.65	$2,638.35	$4,772.00	$43,493.72	$441.79	$86.99	$130.48	$5,431.26
2031	$2,133.65	$2,510.33	$4,643.98	$41,360.07	$450.62	$82.72	$124.08	$5,301.40
2032	$2,297.78	$2,382.31	$4,680.09	$39,226.42	$459.64	$78.45	$117.68	$5,335.86
2033	$2,461.91	$2,244.44	$4,706.35	$36,928.63	$468.83	$73.86	$110.79	$5,359.82
2034	$2,626.04	$2,096.73	$4,722.76	$34,466.72	$478.20	$68.93	$103.40	$5,373.30
2035	$2,790.16	$1,939.16	$4,729.33	$31,840.69	$487.77	$63.68	$95.52	$5,376.30
2036	$2,954.29	$1,771.75	$4,726.04	$29,050.52	$497.52	$58.10	$87.15	$5,368.82
2037	$3,118.42	$1,594.50	$4,712.91	$26,096.23	$507.47	$52.19	$78.29	$5,350.87
2038	$3,282.55	$1,407.39	$4,689.94	$22,977.82	$517.62	$45.96	$68.93	$5,322.45
2039	$3,446.67	$1,206.34	$4,653.01	$19,695.27	$527.98	$39.39	$59.09	$5,279.46
2040	$3,774.93	$995.23	$4,770.15	$16,248.60	$538.54	$32.50	$48.75	$5,389.93
2041	$3,939.05	$764.01	$4,703.07	$12,473.67	$549.31	$24.95	$37.42	$5,314.74
2042	$4,103.18	$522.75	$4,625.93	$8,534.62	$560.29	$17.07	$25.60	$5,228.89
2043	$4,431.44	$271.43	$4,702.86	$4,431.44	$571.50	$8.86	$13.29	$5,296.52
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$63,024.87**	**$75,041.53**	**$138,066.40**		**$12,733.73**	**$2,405.45**	**$3,608.17**	**$151,081.93**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613026 **Lot Type:** TOWNHOMES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$2,594.53	$2,594.53	$63,024.87	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$3,751.13	$3,751.13	$63,024.87	$328.25	$126.05	$189.07	$1,263.50
2016	$984.76	$3,751.13	$4,735.89	$63,024.87	$334.82	$126.05	$189.07	$5,379.55
2017	$984.76	$3,695.74	$4,680.50	$62,040.10	$341.52	$124.08	$186.12	$5,332.22
2018	$984.76	$3,640.34	$4,625.11	$61,055.34	$348.35	$122.11	$183.17	$5,278.73
2019	$1,148.89	$3,584.95	$4,733.84	$60,070.58	$355.31	$120.14	$180.21	$5,389.51
2020	$1,148.89	$3,520.32	$4,669.22	$58,921.69	$362.42	$117.84	$176.77	$5,326.24
2021	$1,313.02	$3,455.70	$4,768.72	$57,772.80	$369.67	$115.55	$173.32	$5,427.25
2022	$1,313.02	$3,381.84	$4,694.86	$56,459.78	$377.06	$112.92	$169.38	$5,354.22
2023	$1,477.15	$3,307.98	$4,785.13	$55,146.76	$384.60	$110.29	$165.44	$5,445.47
2024	$1,477.15	$3,224.90	$4,702.04	$53,669.61	$392.29	$107.34	$161.01	$5,362.68
2025	$1,477.15	$3,141.81	$4,618.95	$52,192.47	$400.14	$104.38	$156.58	$5,280.05
2026	$1,641.27	$3,058.72	$4,699.99	$50,715.32	$408.14	$101.43	$152.15	$5,361.71
2027	$1,805.40	$2,966.40	$4,771.79	$49,074.05	$416.31	$98.15	$147.22	$5,433.47
2028	$1,805.40	$2,864.84	$4,670.24	$47,268.65	$424.63	$94.54	$141.81	$5,331.22
2029	$1,969.53	$2,756.52	$4,726.04	$45,463.25	$433.12	$90.93	$136.39	$5,386.49
2030	$2,133.65	$2,638.35	$4,772.00	$43,493.72	$441.79	$86.99	$130.48	$5,431.26
2031	$2,133.65	$2,510.33	$4,643.98	$41,360.07	$450.62	$82.72	$124.08	$5,301.40
2032	$2,297.78	$2,382.31	$4,680.09	$39,226.42	$459.64	$78.45	$117.68	$5,335.86
2033	$2,461.91	$2,244.44	$4,706.35	$36,928.63	$468.83	$73.86	$110.79	$5,359.82
2034	$2,626.04	$2,096.73	$4,722.76	$34,466.72	$478.20	$68.93	$103.40	$5,373.30
2035	$2,790.16	$1,939.16	$4,729.33	$31,840.69	$487.77	$63.68	$95.52	$5,376.30
2036	$2,954.29	$1,771.75	$4,726.04	$29,050.52	$497.52	$58.10	$87.15	$5,368.82
2037	$3,118.42	$1,594.50	$4,712.91	$26,096.23	$507.47	$52.19	$78.29	$5,350.87
2038	$3,282.55	$1,407.39	$4,689.94	$22,977.82	$517.62	$45.96	$68.93	$5,322.45
2039	$3,446.67	$1,206.34	$4,653.01	$19,695.27	$527.98	$39.39	$59.09	$5,279.46
2040	$3,774.93	$995.23	$4,770.15	$16,248.60	$538.54	$32.50	$48.75	$5,389.93
2041	$3,939.05	$764.01	$4,703.07	$12,473.67	$549.31	$24.95	$37.42	$5,314.74
2042	$4,103.18	$522.75	$4,625.93	$8,534.62	$560.29	$17.07	$25.60	$5,228.89
2043	$4,431.44	$271.43	$4,702.86	$4,431.44	$571.50	$8.86	$13.29	$5,296.52
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$63,024.87**	**$75,041.53**	**$138,066.40**		**$12,733.73**	**$2,405.45**	**$3,608.17**	**$151,081.93**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613027 **Lot Type:** TOWNHOMES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$2,594.53	$2,594.53	$63,024.87	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$3,751.13	$3,751.13	$63,024.87	$328.25	$126.05	$189.07	$1,263.50
2016	$984.76	$3,751.13	$4,735.89	$63,024.87	$334.82	$126.05	$189.07	$5,379.55
2017	$984.76	$3,695.74	$4,680.50	$62,040.10	$341.52	$124.08	$186.12	$5,332.22
2018	$984.76	$3,640.34	$4,625.11	$61,055.34	$348.35	$122.11	$183.17	$5,278.73
2019	$1,148.89	$3,584.95	$4,733.84	$60,070.58	$355.31	$120.14	$180.21	$5,389.51
2020	$1,148.89	$3,520.32	$4,669.22	$58,921.69	$362.42	$117.84	$176.77	$5,326.24
2021	$1,313.02	$3,455.70	$4,768.72	$57,772.80	$369.67	$115.55	$173.32	$5,427.25
2022	$1,313.02	$3,381.84	$4,694.86	$56,459.78	$377.06	$112.92	$169.38	$5,354.22
2023	$1,477.15	$3,307.98	$4,785.13	$55,146.76	$384.60	$110.29	$165.44	$5,445.47
2024	$1,477.15	$3,224.90	$4,702.04	$53,669.61	$392.29	$107.34	$161.01	$5,362.68
2025	$1,477.15	$3,141.81	$4,618.95	$52,192.47	$400.14	$104.38	$156.58	$5,280.05
2026	$1,641.27	$3,058.72	$4,699.99	$50,715.32	$408.14	$101.43	$152.15	$5,361.71
2027	$1,805.40	$2,966.40	$4,771.79	$49,074.05	$416.31	$98.15	$147.22	$5,433.47
2028	$1,805.40	$2,864.84	$4,670.24	$47,268.65	$424.63	$94.54	$141.81	$5,331.22
2029	$1,969.53	$2,756.52	$4,726.04	$45,463.25	$433.12	$90.93	$136.39	$5,386.49
2030	$2,133.65	$2,638.35	$4,772.00	$43,493.72	$441.79	$86.99	$130.48	$5,431.26
2031	$2,133.65	$2,510.33	$4,643.98	$41,360.07	$450.62	$82.72	$124.08	$5,301.40
2032	$2,297.78	$2,382.31	$4,680.09	$39,226.42	$459.64	$78.45	$117.68	$5,335.86
2033	$2,461.91	$2,244.44	$4,706.35	$36,928.63	$468.83	$73.86	$110.79	$5,359.82
2034	$2,626.04	$2,096.73	$4,722.76	$34,466.72	$478.20	$68.93	$103.40	$5,373.30
2035	$2,790.16	$1,939.16	$4,729.33	$31,840.69	$487.77	$63.68	$95.52	$5,376.30
2036	$2,954.29	$1,771.75	$4,726.04	$29,050.52	$497.52	$58.10	$87.15	$5,368.82
2037	$3,118.42	$1,594.50	$4,712.91	$26,096.23	$507.47	$52.19	$78.29	$5,350.87
2038	$3,282.55	$1,407.39	$4,689.94	$22,977.82	$517.62	$45.96	$68.93	$5,322.45
2039	$3,446.67	$1,206.34	$4,653.01	$19,695.27	$527.98	$39.39	$59.09	$5,279.46
2040	$3,774.93	$995.23	$4,770.15	$16,248.60	$538.54	$32.50	$48.75	$5,389.93
2041	$3,939.05	$764.01	$4,703.07	$12,473.67	$549.31	$24.95	$37.42	$5,314.74
2042	$4,103.18	$522.75	$4,625.93	$8,534.62	$560.29	$17.07	$25.60	$5,228.89
2043	$4,431.44	$271.43	$4,702.86	$4,431.44	$571.50	$8.86	$13.29	$5,296.52
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$63,024.87**	**$75,041.53**	**$138,066.40**		**$12,733.73**	**$2,405.45**	**$3,608.17**	**$151,081.93**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613028 **Lot Type:** TOWNHOMES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$2,594.53	$2,594.53	$63,024.87	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$3,751.13	$3,751.13	$63,024.87	$328.25	$126.05	$189.07	$1,263.50
2016	$984.76	$3,751.13	$4,735.89	$63,024.87	$334.82	$126.05	$189.07	$5,379.55
2017	$984.76	$3,695.74	$4,680.50	$62,040.10	$341.52	$124.08	$186.12	$5,332.22
2018	$984.76	$3,640.34	$4,625.11	$61,055.34	$348.35	$122.11	$183.17	$5,278.73
2019	$1,148.89	$3,584.95	$4,733.84	$60,070.58	$355.31	$120.14	$180.21	$5,389.51
2020	$1,148.89	$3,520.32	$4,669.22	$58,921.69	$362.42	$117.84	$176.77	$5,326.24
2021	$1,313.02	$3,455.70	$4,768.72	$57,772.80	$369.67	$115.55	$173.32	$5,427.25
2022	$1,313.02	$3,381.84	$4,694.86	$56,459.78	$377.06	$112.92	$169.38	$5,354.22
2023	$1,477.15	$3,307.98	$4,785.13	$55,146.76	$384.60	$110.29	$165.44	$5,445.47
2024	$1,477.15	$3,224.90	$4,702.04	$53,669.61	$392.29	$107.34	$161.01	$5,362.68
2025	$1,477.15	$3,141.81	$4,618.95	$52,192.47	$400.14	$104.38	$156.58	$5,280.05
2026	$1,641.27	$3,058.72	$4,699.99	$50,715.32	$408.14	$101.43	$152.15	$5,361.71
2027	$1,805.40	$2,966.40	$4,771.79	$49,074.05	$416.31	$98.15	$147.22	$5,433.47
2028	$1,805.40	$2,864.84	$4,670.24	$47,268.65	$424.63	$94.54	$141.81	$5,331.22
2029	$1,969.53	$2,756.52	$4,726.04	$45,463.25	$433.12	$90.93	$136.39	$5,386.49
2030	$2,133.65	$2,638.35	$4,772.00	$43,493.72	$441.79	$86.99	$130.48	$5,431.26
2031	$2,133.65	$2,510.33	$4,643.98	$41,360.07	$450.62	$82.72	$124.08	$5,301.40
2032	$2,297.78	$2,382.31	$4,680.09	$39,226.42	$459.64	$78.45	$117.68	$5,335.86
2033	$2,461.91	$2,244.44	$4,706.35	$36,928.63	$468.83	$73.86	$110.79	$5,359.82
2034	$2,626.04	$2,096.73	$4,722.76	$34,466.72	$478.20	$68.93	$103.40	$5,373.30
2035	$2,790.16	$1,939.16	$4,729.33	$31,840.69	$487.77	$63.68	$95.52	$5,376.30
2036	$2,954.29	$1,771.75	$4,726.04	$29,050.52	$497.52	$58.10	$87.15	$5,368.82
2037	$3,118.42	$1,594.50	$4,712.91	$26,096.23	$507.47	$52.19	$78.29	$5,350.87
2038	$3,282.55	$1,407.39	$4,689.94	$22,977.82	$517.62	$45.96	$68.93	$5,322.45
2039	$3,446.67	$1,206.34	$4,653.01	$19,695.27	$527.98	$39.39	$59.09	$5,279.46
2040	$3,774.93	$995.23	$4,770.15	$16,248.60	$538.54	$32.50	$48.75	$5,389.93
2041	$3,939.05	$764.01	$4,703.07	$12,473.67	$549.31	$24.95	$37.42	$5,314.74
2042	$4,103.18	$522.75	$4,625.93	$8,534.62	$560.29	$17.07	$25.60	$5,228.89
2043	$4,431.44	$271.43	$4,702.86	$4,431.44	$571.50	$8.86	$13.29	$5,296.52
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$63,024.87**	**$75,041.53**	**$138,066.40**		**$12,733.73**	**$2,405.45**	**$3,608.17**	**$151,081.93**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613029 **Lot Type:** PREMIUM
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613030 **Lot Type:** PREMIUM
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613031 **Lot Type:** PREMIUM
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613032 **Lot Type:** PREMIUM
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613033 **Lot Type:** PREMIUM
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613034 **Lot Type:** COTTAGES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,729.69	$1,729.69	$42,016.58	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,500.75	$2,500.75	$42,016.58	$218.84	$84.03	$126.05	$842.34
2016	$656.51	$2,500.75	$3,157.26	$42,016.58	$223.21	$84.03	$126.05	$3,586.37
2017	$656.51	$2,463.82	$3,120.33	$41,360.07	$227.68	$82.72	$124.08	$3,554.81
2018	$656.51	$2,426.90	$3,083.40	$40,703.56	$232.23	$81.41	$122.11	$3,519.15
2019	$765.93	$2,389.97	$3,155.89	$40,047.05	$236.88	$80.09	$120.14	$3,593.00
2020	$765.93	$2,346.88	$3,112.81	$39,281.12	$241.61	$78.56	$117.84	$3,550.83
2021	$875.35	$2,303.80	$3,179.15	$38,515.20	$246.45	$77.03	$115.55	$3,618.17
2022	$875.35	$2,254.56	$3,129.91	$37,639.85	$251.37	$75.28	$112.92	$3,569.48
2023	$984.76	$2,205.32	$3,190.09	$36,764.51	$256.40	$73.53	$110.29	$3,630.31
2024	$984.76	$2,149.93	$3,134.69	$35,779.74	$261.53	$71.56	$107.34	$3,575.12
2025	$984.76	$2,094.54	$3,079.30	$34,794.98	$266.76	$69.59	$104.38	$3,520.04
2026	$1,094.18	$2,039.14	$3,133.33	$33,810.22	$272.10	$67.62	$101.43	$3,574.47
2027	$1,203.60	$1,977.60	$3,181.20	$32,716.03	$277.54	$65.43	$98.15	$3,622.31
2028	$1,203.60	$1,909.89	$3,113.49	$31,512.43	$283.09	$63.02	$94.54	$3,554.14
2029	$1,313.02	$1,837.68	$3,150.70	$30,308.83	$288.75	$60.62	$90.93	$3,590.99
2030	$1,422.44	$1,758.90	$3,181.33	$28,995.82	$294.52	$57.99	$86.99	$3,620.84
2031	$1,422.44	$1,673.55	$3,095.99	$27,573.38	$300.42	$55.15	$82.72	$3,534.27
2032	$1,531.85	$1,588.20	$3,120.06	$26,150.94	$306.42	$52.30	$78.45	$3,557.24
2033	$1,641.27	$1,496.29	$3,137.57	$24,619.09	$312.55	$49.24	$73.86	$3,573.21
2034	$1,750.69	$1,397.82	$3,148.51	$22,977.82	$318.80	$45.96	$68.93	$3,582.20
2035	$1,860.11	$1,292.78	$3,152.88	$21,227.13	$325.18	$42.45	$63.68	$3,584.20
2036	$1,969.53	$1,181.17	$3,150.70	$19,367.02	$331.68	$38.73	$58.10	$3,579.21
2037	$2,078.95	$1,063.00	$3,141.94	$17,397.49	$338.32	$34.79	$52.19	$3,567.25
2038	$2,188.36	$938.26	$3,126.62	$15,318.54	$345.08	$30.64	$45.96	$3,548.30
2039	$2,297.78	$804.22	$3,102.01	$13,130.18	$351.98	$26.26	$39.39	$3,519.64
2040	$2,516.62	$663.48	$3,180.10	$10,832.40	$359.02	$21.66	$32.50	$3,593.29
2041	$2,626.04	$509.34	$3,135.38	$8,315.78	$366.20	$16.63	$24.95	$3,543.16
2042	$2,735.45	$348.50	$3,083.95	$5,689.75	$373.53	$11.38	$17.07	$3,485.93
2043	$2,954.29	$180.95	$3,135.24	$2,954.29	$381.00	$5.91	$8.86	$3,531.01
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$42,016.58**	**$50,027.69**	**$92,044.27**		**$8,489.15**	**$1,603.63**	**$2,405.45**	**$100,721.29**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613035 **Lot Type:** COTTAGES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,729.69	$1,729.69	$42,016.58	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,500.75	$2,500.75	$42,016.58	$218.84	$84.03	$126.05	$842.34
2016	$656.51	$2,500.75	$3,157.26	$42,016.58	$223.21	$84.03	$126.05	$3,586.37
2017	$656.51	$2,463.82	$3,120.33	$41,360.07	$227.68	$82.72	$124.08	$3,554.81
2018	$656.51	$2,426.90	$3,083.40	$40,703.56	$232.23	$81.41	$122.11	$3,519.15
2019	$765.93	$2,389.97	$3,155.89	$40,047.05	$236.88	$80.09	$120.14	$3,593.00
2020	$765.93	$2,346.88	$3,112.81	$39,281.12	$241.61	$78.56	$117.84	$3,550.83
2021	$875.35	$2,303.80	$3,179.15	$38,515.20	$246.45	$77.03	$115.55	$3,618.17
2022	$875.35	$2,254.56	$3,129.91	$37,639.85	$251.37	$75.28	$112.92	$3,569.48
2023	$984.76	$2,205.32	$3,190.09	$36,764.51	$256.40	$73.53	$110.29	$3,630.31
2024	$984.76	$2,149.93	$3,134.69	$35,779.74	$261.53	$71.56	$107.34	$3,575.12
2025	$984.76	$2,094.54	$3,079.30	$34,794.98	$266.76	$69.59	$104.38	$3,520.04
2026	$1,094.18	$2,039.14	$3,133.33	$33,810.22	$272.10	$67.62	$101.43	$3,574.47
2027	$1,203.60	$1,977.60	$3,181.20	$32,716.03	$277.54	$65.43	$98.15	$3,622.31
2028	$1,203.60	$1,909.89	$3,113.49	$31,512.43	$283.09	$63.02	$94.54	$3,554.14
2029	$1,313.02	$1,837.68	$3,150.70	$30,308.83	$288.75	$60.62	$90.93	$3,590.99
2030	$1,422.44	$1,758.90	$3,181.33	$28,995.82	$294.52	$57.99	$86.99	$3,620.84
2031	$1,422.44	$1,673.55	$3,095.99	$27,573.38	$300.42	$55.15	$82.72	$3,534.27
2032	$1,531.85	$1,588.20	$3,120.06	$26,150.94	$306.42	$52.30	$78.45	$3,557.24
2033	$1,641.27	$1,496.29	$3,137.57	$24,619.09	$312.55	$49.24	$73.86	$3,573.21
2034	$1,750.69	$1,397.82	$3,148.51	$22,977.82	$318.80	$45.96	$68.93	$3,582.20
2035	$1,860.11	$1,292.78	$3,152.88	$21,227.13	$325.18	$42.45	$63.68	$3,584.20
2036	$1,969.53	$1,181.17	$3,150.70	$19,367.02	$331.68	$38.73	$58.10	$3,579.21
2037	$2,078.95	$1,063.00	$3,141.94	$17,397.49	$338.32	$34.79	$52.19	$3,567.25
2038	$2,188.36	$938.26	$3,126.62	$15,318.54	$345.08	$30.64	$45.96	$3,548.30
2039	$2,297.78	$804.22	$3,102.01	$13,130.18	$351.98	$26.26	$39.39	$3,519.64
2040	$2,516.62	$663.48	$3,180.10	$10,832.40	$359.02	$21.66	$32.50	$3,593.29
2041	$2,626.04	$509.34	$3,135.38	$8,315.78	$366.20	$16.63	$24.95	$3,543.16
2042	$2,735.45	$348.50	$3,083.95	$5,689.75	$373.53	$11.38	$17.07	$3,485.93
2043	$2,954.29	$180.95	$3,135.24	$2,954.29	$381.00	$5.91	$8.86	$3,531.01
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$42,016.58**	**$50,027.69**	**$92,044.27**		**$8,489.15**	**$1,603.63**	**$2,405.45**	**$100,721.29**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613036 **Lot Type:** COTTAGES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,729.69	$1,729.69	$42,016.58	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,500.75	$2,500.75	$42,016.58	$218.84	$84.03	$126.05	$842.34
2016	$656.51	$2,500.75	$3,157.26	$42,016.58	$223.21	$84.03	$126.05	$3,586.37
2017	$656.51	$2,463.82	$3,120.33	$41,360.07	$227.68	$82.72	$124.08	$3,554.81
2018	$656.51	$2,426.90	$3,083.40	$40,703.56	$232.23	$81.41	$122.11	$3,519.15
2019	$765.93	$2,389.97	$3,155.89	$40,047.05	$236.88	$80.09	$120.14	$3,593.00
2020	$765.93	$2,346.88	$3,112.81	$39,281.12	$241.61	$78.56	$117.84	$3,550.83
2021	$875.35	$2,303.80	$3,179.15	$38,515.20	$246.45	$77.03	$115.55	$3,618.17
2022	$875.35	$2,254.56	$3,129.91	$37,639.85	$251.37	$75.28	$112.92	$3,569.48
2023	$984.76	$2,205.32	$3,190.09	$36,764.51	$256.40	$73.53	$110.29	$3,630.31
2024	$984.76	$2,149.93	$3,134.69	$35,779.74	$261.53	$71.56	$107.34	$3,575.12
2025	$984.76	$2,094.54	$3,079.30	$34,794.98	$266.76	$69.59	$104.38	$3,520.04
2026	$1,094.18	$2,039.14	$3,133.33	$33,810.22	$272.10	$67.62	$101.43	$3,574.47
2027	$1,203.60	$1,977.60	$3,181.20	$32,716.03	$277.54	$65.43	$98.15	$3,622.31
2028	$1,203.60	$1,909.89	$3,113.49	$31,512.43	$283.09	$63.02	$94.54	$3,554.14
2029	$1,313.02	$1,837.68	$3,150.70	$30,308.83	$288.75	$60.62	$90.93	$3,590.99
2030	$1,422.44	$1,758.90	$3,181.33	$28,995.82	$294.52	$57.99	$86.99	$3,620.84
2031	$1,422.44	$1,673.55	$3,095.99	$27,573.38	$300.42	$55.15	$82.72	$3,534.27
2032	$1,531.85	$1,588.20	$3,120.06	$26,150.94	$306.42	$52.30	$78.45	$3,557.24
2033	$1,641.27	$1,496.29	$3,137.57	$24,619.09	$312.55	$49.24	$73.86	$3,573.21
2034	$1,750.69	$1,397.82	$3,148.51	$22,977.82	$318.80	$45.96	$68.93	$3,582.20
2035	$1,860.11	$1,292.78	$3,152.88	$21,227.13	$325.18	$42.45	$63.68	$3,584.20
2036	$1,969.53	$1,181.17	$3,150.70	$19,367.02	$331.68	$38.73	$58.10	$3,579.21
2037	$2,078.95	$1,063.00	$3,141.94	$17,397.49	$338.32	$34.79	$52.19	$3,567.25
2038	$2,188.36	$938.26	$3,126.62	$15,318.54	$345.08	$30.64	$45.96	$3,548.30
2039	$2,297.78	$804.22	$3,102.01	$13,130.18	$351.98	$26.26	$39.39	$3,519.64
2040	$2,516.62	$663.48	$3,180.10	$10,832.40	$359.02	$21.66	$32.50	$3,593.29
2041	$2,626.04	$509.34	$3,135.38	$8,315.78	$366.20	$16.63	$24.95	$3,543.16
2042	$2,735.45	$348.50	$3,083.95	$5,689.75	$373.53	$11.38	$17.07	$3,485.93
2043	$2,954.29	$180.95	$3,135.24	$2,954.29	$381.00	$5.91	$8.86	$3,531.01
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$42,016.58**	**$50,027.69**	**$92,044.27**		**$8,489.15**	**$1,603.63**	**$2,405.45**	**$100,721.29**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613037 **Lot Type:** COTTAGES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,729.69	$1,729.69	$42,016.58	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,500.75	$2,500.75	$42,016.58	$218.84	$84.03	$126.05	$842.34
2016	$656.51	$2,500.75	$3,157.26	$42,016.58	$223.21	$84.03	$126.05	$3,586.37
2017	$656.51	$2,463.82	$3,120.33	$41,360.07	$227.68	$82.72	$124.08	$3,554.81
2018	$656.51	$2,426.90	$3,083.40	$40,703.56	$232.23	$81.41	$122.11	$3,519.15
2019	$765.93	$2,389.97	$3,155.89	$40,047.05	$236.88	$80.09	$120.14	$3,593.00
2020	$765.93	$2,346.88	$3,112.81	$39,281.12	$241.61	$78.56	$117.84	$3,550.83
2021	$875.35	$2,303.80	$3,179.15	$38,515.20	$246.45	$77.03	$115.55	$3,618.17
2022	$875.35	$2,254.56	$3,129.91	$37,639.85	$251.37	$75.28	$112.92	$3,569.48
2023	$984.76	$2,205.32	$3,190.09	$36,764.51	$256.40	$73.53	$110.29	$3,630.31
2024	$984.76	$2,149.93	$3,134.69	$35,779.74	$261.53	$71.56	$107.34	$3,575.12
2025	$984.76	$2,094.54	$3,079.30	$34,794.98	$266.76	$69.59	$104.38	$3,520.04
2026	$1,094.18	$2,039.14	$3,133.33	$33,810.22	$272.10	$67.62	$101.43	$3,574.47
2027	$1,203.60	$1,977.60	$3,181.20	$32,716.03	$277.54	$65.43	$98.15	$3,622.31
2028	$1,203.60	$1,909.89	$3,113.49	$31,512.43	$283.09	$63.02	$94.54	$3,554.14
2029	$1,313.02	$1,837.68	$3,150.70	$30,308.83	$288.75	$60.62	$90.93	$3,590.99
2030	$1,422.44	$1,758.90	$3,181.33	$28,995.82	$294.52	$57.99	$86.99	$3,620.84
2031	$1,422.44	$1,673.55	$3,095.99	$27,573.38	$300.42	$55.15	$82.72	$3,534.27
2032	$1,531.85	$1,588.20	$3,120.06	$26,150.94	$306.42	$52.30	$78.45	$3,557.24
2033	$1,641.27	$1,496.29	$3,137.57	$24,619.09	$312.55	$49.24	$73.86	$3,573.21
2034	$1,750.69	$1,397.82	$3,148.51	$22,977.82	$318.80	$45.96	$68.93	$3,582.20
2035	$1,860.11	$1,292.78	$3,152.88	$21,227.13	$325.18	$42.45	$63.68	$3,584.20
2036	$1,969.53	$1,181.17	$3,150.70	$19,367.02	$331.68	$38.73	$58.10	$3,579.21
2037	$2,078.95	$1,063.00	$3,141.94	$17,397.49	$338.32	$34.79	$52.19	$3,567.25
2038	$2,188.36	$938.26	$3,126.62	$15,318.54	$345.08	$30.64	$45.96	$3,548.30
2039	$2,297.78	$804.22	$3,102.01	$13,130.18	$351.98	$26.26	$39.39	$3,519.64
2040	$2,516.62	$663.48	$3,180.10	$10,832.40	$359.02	$21.66	$32.50	$3,593.29
2041	$2,626.04	$509.34	$3,135.38	$8,315.78	$366.20	$16.63	$24.95	$3,543.16
2042	$2,735.45	$348.50	$3,083.95	$5,689.75	$373.53	$11.38	$17.07	$3,485.93
2043	$2,954.29	$180.95	$3,135.24	$2,954.29	$381.00	$5.91	$8.86	$3,531.01
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$42,016.58**	**$50,027.69**	**$92,044.27**		**$8,489.15**	**$1,603.63**	**$2,405.45**	**$100,721.29**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613038 **Lot Type:** COTTAGES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,729.69	$1,729.69	$42,016.58	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,500.75	$2,500.75	$42,016.58	$218.84	$84.03	$126.05	$842.34
2016	$656.51	$2,500.75	$3,157.26	$42,016.58	$223.21	$84.03	$126.05	$3,586.37
2017	$656.51	$2,463.82	$3,120.33	$41,360.07	$227.68	$82.72	$124.08	$3,554.81
2018	$656.51	$2,426.90	$3,083.40	$40,703.56	$232.23	$81.41	$122.11	$3,519.15
2019	$765.93	$2,389.97	$3,155.89	$40,047.05	$236.88	$80.09	$120.14	$3,593.00
2020	$765.93	$2,346.88	$3,112.81	$39,281.12	$241.61	$78.56	$117.84	$3,550.83
2021	$875.35	$2,303.80	$3,179.15	$38,515.20	$246.45	$77.03	$115.55	$3,618.17
2022	$875.35	$2,254.56	$3,129.91	$37,639.85	$251.37	$75.28	$112.92	$3,569.48
2023	$984.76	$2,205.32	$3,190.09	$36,764.51	$256.40	$73.53	$110.29	$3,630.31
2024	$984.76	$2,149.93	$3,134.69	$35,779.74	$261.53	$71.56	$107.34	$3,575.12
2025	$984.76	$2,094.54	$3,079.30	$34,794.98	$266.76	$69.59	$104.38	$3,520.04
2026	$1,094.18	$2,039.14	$3,133.33	$33,810.22	$272.10	$67.62	$101.43	$3,574.47
2027	$1,203.60	$1,977.60	$3,181.20	$32,716.03	$277.54	$65.43	$98.15	$3,622.31
2028	$1,203.60	$1,909.89	$3,113.49	$31,512.43	$283.09	$63.02	$94.54	$3,554.14
2029	$1,313.02	$1,837.68	$3,150.70	$30,308.83	$288.75	$60.62	$90.93	$3,590.99
2030	$1,422.44	$1,758.90	$3,181.33	$28,995.82	$294.52	$57.99	$86.99	$3,620.84
2031	$1,422.44	$1,673.55	$3,095.99	$27,573.38	$300.42	$55.15	$82.72	$3,534.27
2032	$1,531.85	$1,588.20	$3,120.06	$26,150.94	$306.42	$52.30	$78.45	$3,557.24
2033	$1,641.27	$1,496.29	$3,137.57	$24,619.09	$312.55	$49.24	$73.86	$3,573.21
2034	$1,750.69	$1,397.82	$3,148.51	$22,977.82	$318.80	$45.96	$68.93	$3,582.20
2035	$1,860.11	$1,292.78	$3,152.88	$21,227.13	$325.18	$42.45	$63.68	$3,584.20
2036	$1,969.53	$1,181.17	$3,150.70	$19,367.02	$331.68	$38.73	$58.10	$3,579.21
2037	$2,078.95	$1,063.00	$3,141.94	$17,397.49	$338.32	$34.79	$52.19	$3,567.25
2038	$2,188.36	$938.26	$3,126.62	$15,318.54	$345.08	$30.64	$45.96	$3,548.30
2039	$2,297.78	$804.22	$3,102.01	$13,130.18	$351.98	$26.26	$39.39	$3,519.64
2040	$2,516.62	$663.48	$3,180.10	$10,832.40	$359.02	$21.66	$32.50	$3,593.29
2041	$2,626.04	$509.34	$3,135.38	$8,315.78	$366.20	$16.63	$24.95	$3,543.16
2042	$2,735.45	$348.50	$3,083.95	$5,689.75	$373.53	$11.38	$17.07	$3,485.93
2043	$2,954.29	$180.95	$3,135.24	$2,954.29	$381.00	$5.91	$8.86	$3,531.01
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$42,016.58**	**$50,027.69**	**$92,044.27**		**$8,489.15**	**$1,603.63**	**$2,405.45**	**$100,721.29**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613039 **Lot Type:** COTTAGES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,729.69	$1,729.69	$42,016.58	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,500.75	$2,500.75	$42,016.58	$218.84	$84.03	$126.05	$842.34
2016	$656.51	$2,500.75	$3,157.26	$42,016.58	$223.21	$84.03	$126.05	$3,586.37
2017	$656.51	$2,463.82	$3,120.33	$41,360.07	$227.68	$82.72	$124.08	$3,554.81
2018	$656.51	$2,426.90	$3,083.40	$40,703.56	$232.23	$81.41	$122.11	$3,519.15
2019	$765.93	$2,389.97	$3,155.89	$40,047.05	$236.88	$80.09	$120.14	$3,593.00
2020	$765.93	$2,346.88	$3,112.81	$39,281.12	$241.61	$78.56	$117.84	$3,550.83
2021	$875.35	$2,303.80	$3,179.15	$38,515.20	$246.45	$77.03	$115.55	$3,618.17
2022	$875.35	$2,254.56	$3,129.91	$37,639.85	$251.37	$75.28	$112.92	$3,569.48
2023	$984.76	$2,205.32	$3,190.09	$36,764.51	$256.40	$73.53	$110.29	$3,630.31
2024	$984.76	$2,149.93	$3,134.69	$35,779.74	$261.53	$71.56	$107.34	$3,575.12
2025	$984.76	$2,094.54	$3,079.30	$34,794.98	$266.76	$69.59	$104.38	$3,520.04
2026	$1,094.18	$2,039.14	$3,133.33	$33,810.22	$272.10	$67.62	$101.43	$3,574.47
2027	$1,203.60	$1,977.60	$3,181.20	$32,716.03	$277.54	$65.43	$98.15	$3,622.31
2028	$1,203.60	$1,909.89	$3,113.49	$31,512.43	$283.09	$63.02	$94.54	$3,554.14
2029	$1,313.02	$1,837.68	$3,150.70	$30,308.83	$288.75	$60.62	$90.93	$3,590.99
2030	$1,422.44	$1,758.90	$3,181.33	$28,995.82	$294.52	$57.99	$86.99	$3,620.84
2031	$1,422.44	$1,673.55	$3,095.99	$27,573.38	$300.42	$55.15	$82.72	$3,534.27
2032	$1,531.85	$1,588.20	$3,120.06	$26,150.94	$306.42	$52.30	$78.45	$3,557.24
2033	$1,641.27	$1,496.29	$3,137.57	$24,619.09	$312.55	$49.24	$73.86	$3,573.21
2034	$1,750.69	$1,397.82	$3,148.51	$22,977.82	$318.80	$45.96	$68.93	$3,582.20
2035	$1,860.11	$1,292.78	$3,152.88	$21,227.13	$325.18	$42.45	$63.68	$3,584.20
2036	$1,969.53	$1,181.17	$3,150.70	$19,367.02	$331.68	$38.73	$58.10	$3,579.21
2037	$2,078.95	$1,063.00	$3,141.94	$17,397.49	$338.32	$34.79	$52.19	$3,567.25
2038	$2,188.36	$938.26	$3,126.62	$15,318.54	$345.08	$30.64	$45.96	$3,548.30
2039	$2,297.78	$804.22	$3,102.01	$13,130.18	$351.98	$26.26	$39.39	$3,519.64
2040	$2,516.62	$663.48	$3,180.10	$10,832.40	$359.02	$21.66	$32.50	$3,593.29
2041	$2,626.04	$509.34	$3,135.38	$8,315.78	$366.20	$16.63	$24.95	$3,543.16
2042	$2,735.45	$348.50	$3,083.95	$5,689.75	$373.53	$11.38	$17.07	$3,485.93
2043	$2,954.29	$180.95	$3,135.24	$2,954.29	$381.00	$5.91	$8.86	$3,531.01
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$42,016.58**	**$50,027.69**	**$92,044.27**		**$8,489.15**	**$1,603.63**	**$2,405.45**	**$100,721.29**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613040 **Lot Type:** COTTAGES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,729.69	$1,729.69	$42,016.58	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,500.75	$2,500.75	$42,016.58	$218.84	$84.03	$126.05	$842.34
2016	$656.51	$2,500.75	$3,157.26	$42,016.58	$223.21	$84.03	$126.05	$3,586.37
2017	$656.51	$2,463.82	$3,120.33	$41,360.07	$227.68	$82.72	$124.08	$3,554.81
2018	$656.51	$2,426.90	$3,083.40	$40,703.56	$232.23	$81.41	$122.11	$3,519.15
2019	$765.93	$2,389.97	$3,155.89	$40,047.05	$236.88	$80.09	$120.14	$3,593.00
2020	$765.93	$2,346.88	$3,112.81	$39,281.12	$241.61	$78.56	$117.84	$3,550.83
2021	$875.35	$2,303.80	$3,179.15	$38,515.20	$246.45	$77.03	$115.55	$3,618.17
2022	$875.35	$2,254.56	$3,129.91	$37,639.85	$251.37	$75.28	$112.92	$3,569.48
2023	$984.76	$2,205.32	$3,190.09	$36,764.51	$256.40	$73.53	$110.29	$3,630.31
2024	$984.76	$2,149.93	$3,134.69	$35,779.74	$261.53	$71.56	$107.34	$3,575.12
2025	$984.76	$2,094.54	$3,079.30	$34,794.98	$266.76	$69.59	$104.38	$3,520.04
2026	$1,094.18	$2,039.14	$3,133.33	$33,810.22	$272.10	$67.62	$101.43	$3,574.47
2027	$1,203.60	$1,977.60	$3,181.20	$32,716.03	$277.54	$65.43	$98.15	$3,622.31
2028	$1,203.60	$1,909.89	$3,113.49	$31,512.43	$283.09	$63.02	$94.54	$3,554.14
2029	$1,313.02	$1,837.68	$3,150.70	$30,308.83	$288.75	$60.62	$90.93	$3,590.99
2030	$1,422.44	$1,758.90	$3,181.33	$28,995.82	$294.52	$57.99	$86.99	$3,620.84
2031	$1,422.44	$1,673.55	$3,095.99	$27,573.38	$300.42	$55.15	$82.72	$3,534.27
2032	$1,531.85	$1,588.20	$3,120.06	$26,150.94	$306.42	$52.30	$78.45	$3,557.24
2033	$1,641.27	$1,496.29	$3,137.57	$24,619.09	$312.55	$49.24	$73.86	$3,573.21
2034	$1,750.69	$1,397.82	$3,148.51	$22,977.82	$318.80	$45.96	$68.93	$3,582.20
2035	$1,860.11	$1,292.78	$3,152.88	$21,227.13	$325.18	$42.45	$63.68	$3,584.20
2036	$1,969.53	$1,181.17	$3,150.70	$19,367.02	$331.68	$38.73	$58.10	$3,579.21
2037	$2,078.95	$1,063.00	$3,141.94	$17,397.49	$338.32	$34.79	$52.19	$3,567.25
2038	$2,188.36	$938.26	$3,126.62	$15,318.54	$345.08	$30.64	$45.96	$3,548.30
2039	$2,297.78	$804.22	$3,102.01	$13,130.18	$351.98	$26.26	$39.39	$3,519.64
2040	$2,516.62	$663.48	$3,180.10	$10,832.40	$359.02	$21.66	$32.50	$3,593.29
2041	$2,626.04	$509.34	$3,135.38	$8,315.78	$366.20	$16.63	$24.95	$3,543.16
2042	$2,735.45	$348.50	$3,083.95	$5,689.75	$373.53	$11.38	$17.07	$3,485.93
2043	$2,954.29	$180.95	$3,135.24	$2,954.29	$381.00	$5.91	$8.86	$3,531.01
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$42,016.58**	**$50,027.69**	**$92,044.27**		**$8,489.15**	**$1,603.63**	**$2,405.45**	**$100,721.29**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613041 **Lot Type:** COTTAGES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,729.69	$1,729.69	$42,016.58	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,500.75	$2,500.75	$42,016.58	$218.84	$84.03	$126.05	$842.34
2016	$656.51	$2,500.75	$3,157.26	$42,016.58	$223.21	$84.03	$126.05	$3,586.37
2017	$656.51	$2,463.82	$3,120.33	$41,360.07	$227.68	$82.72	$124.08	$3,554.81
2018	$656.51	$2,426.90	$3,083.40	$40,703.56	$232.23	$81.41	$122.11	$3,519.15
2019	$765.93	$2,389.97	$3,155.89	$40,047.05	$236.88	$80.09	$120.14	$3,593.00
2020	$765.93	$2,346.88	$3,112.81	$39,281.12	$241.61	$78.56	$117.84	$3,550.83
2021	$875.35	$2,303.80	$3,179.15	$38,515.20	$246.45	$77.03	$115.55	$3,618.17
2022	$875.35	$2,254.56	$3,129.91	$37,639.85	$251.37	$75.28	$112.92	$3,569.48
2023	$984.76	$2,205.32	$3,190.09	$36,764.51	$256.40	$73.53	$110.29	$3,630.31
2024	$984.76	$2,149.93	$3,134.69	$35,779.74	$261.53	$71.56	$107.34	$3,575.12
2025	$984.76	$2,094.54	$3,079.30	$34,794.98	$266.76	$69.59	$104.38	$3,520.04
2026	$1,094.18	$2,039.14	$3,133.33	$33,810.22	$272.10	$67.62	$101.43	$3,574.47
2027	$1,203.60	$1,977.60	$3,181.20	$32,716.03	$277.54	$65.43	$98.15	$3,622.31
2028	$1,203.60	$1,909.89	$3,113.49	$31,512.43	$283.09	$63.02	$94.54	$3,554.14
2029	$1,313.02	$1,837.68	$3,150.70	$30,308.83	$288.75	$60.62	$90.93	$3,590.99
2030	$1,422.44	$1,758.90	$3,181.33	$28,995.82	$294.52	$57.99	$86.99	$3,620.84
2031	$1,422.44	$1,673.55	$3,095.99	$27,573.38	$300.42	$55.15	$82.72	$3,534.27
2032	$1,531.85	$1,588.20	$3,120.06	$26,150.94	$306.42	$52.30	$78.45	$3,557.24
2033	$1,641.27	$1,496.29	$3,137.57	$24,619.09	$312.55	$49.24	$73.86	$3,573.21
2034	$1,750.69	$1,397.82	$3,148.51	$22,977.82	$318.80	$45.96	$68.93	$3,582.20
2035	$1,860.11	$1,292.78	$3,152.88	$21,227.13	$325.18	$42.45	$63.68	$3,584.20
2036	$1,969.53	$1,181.17	$3,150.70	$19,367.02	$331.68	$38.73	$58.10	$3,579.21
2037	$2,078.95	$1,063.00	$3,141.94	$17,397.49	$338.32	$34.79	$52.19	$3,567.25
2038	$2,188.36	$938.26	$3,126.62	$15,318.54	$345.08	$30.64	$45.96	$3,548.30
2039	$2,297.78	$804.22	$3,102.01	$13,130.18	$351.98	$26.26	$39.39	$3,519.64
2040	$2,516.62	$663.48	$3,180.10	$10,832.40	$359.02	$21.66	$32.50	$3,593.29
2041	$2,626.04	$509.34	$3,135.38	$8,315.78	$366.20	$16.63	$24.95	$3,543.16
2042	$2,735.45	$348.50	$3,083.95	$5,689.75	$373.53	$11.38	$17.07	$3,485.93
2043	$2,954.29	$180.95	$3,135.24	$2,954.29	$381.00	$5.91	$8.86	$3,531.01
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$42,016.58**	**$50,027.69**	**$92,044.27**		**$8,489.15**	**$1,603.63**	**$2,405.45**	**$100,721.29**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613042 **Lot Type:** COTTAGES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,729.69	$1,729.69	$42,016.58	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,500.75	$2,500.75	$42,016.58	$218.84	$84.03	$126.05	$842.34
2016	$656.51	$2,500.75	$3,157.26	$42,016.58	$223.21	$84.03	$126.05	$3,586.37
2017	$656.51	$2,463.82	$3,120.33	$41,360.07	$227.68	$82.72	$124.08	$3,554.81
2018	$656.51	$2,426.90	$3,083.40	$40,703.56	$232.23	$81.41	$122.11	$3,519.15
2019	$765.93	$2,389.97	$3,155.89	$40,047.05	$236.88	$80.09	$120.14	$3,593.00
2020	$765.93	$2,346.88	$3,112.81	$39,281.12	$241.61	$78.56	$117.84	$3,550.83
2021	$875.35	$2,303.80	$3,179.15	$38,515.20	$246.45	$77.03	$115.55	$3,618.17
2022	$875.35	$2,254.56	$3,129.91	$37,639.85	$251.37	$75.28	$112.92	$3,569.48
2023	$984.76	$2,205.32	$3,190.09	$36,764.51	$256.40	$73.53	$110.29	$3,630.31
2024	$984.76	$2,149.93	$3,134.69	$35,779.74	$261.53	$71.56	$107.34	$3,575.12
2025	$984.76	$2,094.54	$3,079.30	$34,794.98	$266.76	$69.59	$104.38	$3,520.04
2026	$1,094.18	$2,039.14	$3,133.33	$33,810.22	$272.10	$67.62	$101.43	$3,574.47
2027	$1,203.60	$1,977.60	$3,181.20	$32,716.03	$277.54	$65.43	$98.15	$3,622.31
2028	$1,203.60	$1,909.89	$3,113.49	$31,512.43	$283.09	$63.02	$94.54	$3,554.14
2029	$1,313.02	$1,837.68	$3,150.70	$30,308.83	$288.75	$60.62	$90.93	$3,590.99
2030	$1,422.44	$1,758.90	$3,181.33	$28,995.82	$294.52	$57.99	$86.99	$3,620.84
2031	$1,422.44	$1,673.55	$3,095.99	$27,573.38	$300.42	$55.15	$82.72	$3,534.27
2032	$1,531.85	$1,588.20	$3,120.06	$26,150.94	$306.42	$52.30	$78.45	$3,557.24
2033	$1,641.27	$1,496.29	$3,137.57	$24,619.09	$312.55	$49.24	$73.86	$3,573.21
2034	$1,750.69	$1,397.82	$3,148.51	$22,977.82	$318.80	$45.96	$68.93	$3,582.20
2035	$1,860.11	$1,292.78	$3,152.88	$21,227.13	$325.18	$42.45	$63.68	$3,584.20
2036	$1,969.53	$1,181.17	$3,150.70	$19,367.02	$331.68	$38.73	$58.10	$3,579.21
2037	$2,078.95	$1,063.00	$3,141.94	$17,397.49	$338.32	$34.79	$52.19	$3,567.25
2038	$2,188.36	$938.26	$3,126.62	$15,318.54	$345.08	$30.64	$45.96	$3,548.30
2039	$2,297.78	$804.22	$3,102.01	$13,130.18	$351.98	$26.26	$39.39	$3,519.64
2040	$2,516.62	$663.48	$3,180.10	$10,832.40	$359.02	$21.66	$32.50	$3,593.29
2041	$2,626.04	$509.34	$3,135.38	$8,315.78	$366.20	$16.63	$24.95	$3,543.16
2042	$2,735.45	$348.50	$3,083.95	$5,689.75	$373.53	$11.38	$17.07	$3,485.93
2043	$2,954.29	$180.95	$3,135.24	$2,954.29	$381.00	$5.91	$8.86	$3,531.01
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$42,016.58**	**$50,027.69**	**$92,044.27**		**$8,489.15**	**$1,603.63**	**$2,405.45**	**$100,721.29**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613043 **Lot Type:** COTTAGES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,729.69	$1,729.69	$42,016.58	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,500.75	$2,500.75	$42,016.58	$218.84	$84.03	$126.05	$842.34
2016	$656.51	$2,500.75	$3,157.26	$42,016.58	$223.21	$84.03	$126.05	$3,586.37
2017	$656.51	$2,463.82	$3,120.33	$41,360.07	$227.68	$82.72	$124.08	$3,554.81
2018	$656.51	$2,426.90	$3,083.40	$40,703.56	$232.23	$81.41	$122.11	$3,519.15
2019	$765.93	$2,389.97	$3,155.89	$40,047.05	$236.88	$80.09	$120.14	$3,593.00
2020	$765.93	$2,346.88	$3,112.81	$39,281.12	$241.61	$78.56	$117.84	$3,550.83
2021	$875.35	$2,303.80	$3,179.15	$38,515.20	$246.45	$77.03	$115.55	$3,618.17
2022	$875.35	$2,254.56	$3,129.91	$37,639.85	$251.37	$75.28	$112.92	$3,569.48
2023	$984.76	$2,205.32	$3,190.09	$36,764.51	$256.40	$73.53	$110.29	$3,630.31
2024	$984.76	$2,149.93	$3,134.69	$35,779.74	$261.53	$71.56	$107.34	$3,575.12
2025	$984.76	$2,094.54	$3,079.30	$34,794.98	$266.76	$69.59	$104.38	$3,520.04
2026	$1,094.18	$2,039.14	$3,133.33	$33,810.22	$272.10	$67.62	$101.43	$3,574.47
2027	$1,203.60	$1,977.60	$3,181.20	$32,716.03	$277.54	$65.43	$98.15	$3,622.31
2028	$1,203.60	$1,909.89	$3,113.49	$31,512.43	$283.09	$63.02	$94.54	$3,554.14
2029	$1,313.02	$1,837.68	$3,150.70	$30,308.83	$288.75	$60.62	$90.93	$3,590.99
2030	$1,422.44	$1,758.90	$3,181.33	$28,995.82	$294.52	$57.99	$86.99	$3,620.84
2031	$1,422.44	$1,673.55	$3,095.99	$27,573.38	$300.42	$55.15	$82.72	$3,534.27
2032	$1,531.85	$1,588.20	$3,120.06	$26,150.94	$306.42	$52.30	$78.45	$3,557.24
2033	$1,641.27	$1,496.29	$3,137.57	$24,619.09	$312.55	$49.24	$73.86	$3,573.21
2034	$1,750.69	$1,397.82	$3,148.51	$22,977.82	$318.80	$45.96	$68.93	$3,582.20
2035	$1,860.11	$1,292.78	$3,152.88	$21,227.13	$325.18	$42.45	$63.68	$3,584.20
2036	$1,969.53	$1,181.17	$3,150.70	$19,367.02	$331.68	$38.73	$58.10	$3,579.21
2037	$2,078.95	$1,063.00	$3,141.94	$17,397.49	$338.32	$34.79	$52.19	$3,567.25
2038	$2,188.36	$938.26	$3,126.62	$15,318.54	$345.08	$30.64	$45.96	$3,548.30
2039	$2,297.78	$804.22	$3,102.01	$13,130.18	$351.98	$26.26	$39.39	$3,519.64
2040	$2,516.62	$663.48	$3,180.10	$10,832.40	$359.02	$21.66	$32.50	$3,593.29
2041	$2,626.04	$509.34	$3,135.38	$8,315.78	$366.20	$16.63	$24.95	$3,543.16
2042	$2,735.45	$348.50	$3,083.95	$5,689.75	$373.53	$11.38	$17.07	$3,485.93
2043	$2,954.29	$180.95	$3,135.24	$2,954.29	$381.00	$5.91	$8.86	$3,531.01
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$42,016.58**	**$50,027.69**	**$92,044.27**		**$8,489.15**	**$1,603.63**	**$2,405.45**	**$100,721.29**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613044 **Lot Type:** COTTAGES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,729.69	$1,729.69	$42,016.58	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,500.75	$2,500.75	$42,016.58	$218.84	$84.03	$126.05	$842.34
2016	$656.51	$2,500.75	$3,157.26	$42,016.58	$223.21	$84.03	$126.05	$3,586.37
2017	$656.51	$2,463.82	$3,120.33	$41,360.07	$227.68	$82.72	$124.08	$3,554.81
2018	$656.51	$2,426.90	$3,083.40	$40,703.56	$232.23	$81.41	$122.11	$3,519.15
2019	$765.93	$2,389.97	$3,155.89	$40,047.05	$236.88	$80.09	$120.14	$3,593.00
2020	$765.93	$2,346.88	$3,112.81	$39,281.12	$241.61	$78.56	$117.84	$3,550.83
2021	$875.35	$2,303.80	$3,179.15	$38,515.20	$246.45	$77.03	$115.55	$3,618.17
2022	$875.35	$2,254.56	$3,129.91	$37,639.85	$251.37	$75.28	$112.92	$3,569.48
2023	$984.76	$2,205.32	$3,190.09	$36,764.51	$256.40	$73.53	$110.29	$3,630.31
2024	$984.76	$2,149.93	$3,134.69	$35,779.74	$261.53	$71.56	$107.34	$3,575.12
2025	$984.76	$2,094.54	$3,079.30	$34,794.98	$266.76	$69.59	$104.38	$3,520.04
2026	$1,094.18	$2,039.14	$3,133.33	$33,810.22	$272.10	$67.62	$101.43	$3,574.47
2027	$1,203.60	$1,977.60	$3,181.20	$32,716.03	$277.54	$65.43	$98.15	$3,622.31
2028	$1,203.60	$1,909.89	$3,113.49	$31,512.43	$283.09	$63.02	$94.54	$3,554.14
2029	$1,313.02	$1,837.68	$3,150.70	$30,308.83	$288.75	$60.62	$90.93	$3,590.99
2030	$1,422.44	$1,758.90	$3,181.33	$28,995.82	$294.52	$57.99	$86.99	$3,620.84
2031	$1,422.44	$1,673.55	$3,095.99	$27,573.38	$300.42	$55.15	$82.72	$3,534.27
2032	$1,531.85	$1,588.20	$3,120.06	$26,150.94	$306.42	$52.30	$78.45	$3,557.24
2033	$1,641.27	$1,496.29	$3,137.57	$24,619.09	$312.55	$49.24	$73.86	$3,573.21
2034	$1,750.69	$1,397.82	$3,148.51	$22,977.82	$318.80	$45.96	$68.93	$3,582.20
2035	$1,860.11	$1,292.78	$3,152.88	$21,227.13	$325.18	$42.45	$63.68	$3,584.20
2036	$1,969.53	$1,181.17	$3,150.70	$19,367.02	$331.68	$38.73	$58.10	$3,579.21
2037	$2,078.95	$1,063.00	$3,141.94	$17,397.49	$338.32	$34.79	$52.19	$3,567.25
2038	$2,188.36	$938.26	$3,126.62	$15,318.54	$345.08	$30.64	$45.96	$3,548.30
2039	$2,297.78	$804.22	$3,102.01	$13,130.18	$351.98	$26.26	$39.39	$3,519.64
2040	$2,516.62	$663.48	$3,180.10	$10,832.40	$359.02	$21.66	$32.50	$3,593.29
2041	$2,626.04	$509.34	$3,135.38	$8,315.78	$366.20	$16.63	$24.95	$3,543.16
2042	$2,735.45	$348.50	$3,083.95	$5,689.75	$373.53	$11.38	$17.07	$3,485.93
2043	$2,954.29	$180.95	$3,135.24	$2,954.29	$381.00	$5.91	$8.86	$3,531.01
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$42,016.58**	**$50,027.69**	**$92,044.27**		**$8,489.15**	**$1,603.63**	**$2,405.45**	**$100,721.29**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613045 **Lot Type:** COTTAGES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,729.69	$1,729.69	$42,016.58	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,500.75	$2,500.75	$42,016.58	$218.84	$84.03	$126.05	$842.34
2016	$656.51	$2,500.75	$3,157.26	$42,016.58	$223.21	$84.03	$126.05	$3,586.37
2017	$656.51	$2,463.82	$3,120.33	$41,360.07	$227.68	$82.72	$124.08	$3,554.81
2018	$656.51	$2,426.90	$3,083.40	$40,703.56	$232.23	$81.41	$122.11	$3,519.15
2019	$765.93	$2,389.97	$3,155.89	$40,047.05	$236.88	$80.09	$120.14	$3,593.00
2020	$765.93	$2,346.88	$3,112.81	$39,281.12	$241.61	$78.56	$117.84	$3,550.83
2021	$875.35	$2,303.80	$3,179.15	$38,515.20	$246.45	$77.03	$115.55	$3,618.17
2022	$875.35	$2,254.56	$3,129.91	$37,639.85	$251.37	$75.28	$112.92	$3,569.48
2023	$984.76	$2,205.32	$3,190.09	$36,764.51	$256.40	$73.53	$110.29	$3,630.31
2024	$984.76	$2,149.93	$3,134.69	$35,779.74	$261.53	$71.56	$107.34	$3,575.12
2025	$984.76	$2,094.54	$3,079.30	$34,794.98	$266.76	$69.59	$104.38	$3,520.04
2026	$1,094.18	$2,039.14	$3,133.33	$33,810.22	$272.10	$67.62	$101.43	$3,574.47
2027	$1,203.60	$1,977.60	$3,181.20	$32,716.03	$277.54	$65.43	$98.15	$3,622.31
2028	$1,203.60	$1,909.89	$3,113.49	$31,512.43	$283.09	$63.02	$94.54	$3,554.14
2029	$1,313.02	$1,837.68	$3,150.70	$30,308.83	$288.75	$60.62	$90.93	$3,590.99
2030	$1,422.44	$1,758.90	$3,181.33	$28,995.82	$294.52	$57.99	$86.99	$3,620.84
2031	$1,422.44	$1,673.55	$3,095.99	$27,573.38	$300.42	$55.15	$82.72	$3,534.27
2032	$1,531.85	$1,588.20	$3,120.06	$26,150.94	$306.42	$52.30	$78.45	$3,557.24
2033	$1,641.27	$1,496.29	$3,137.57	$24,619.09	$312.55	$49.24	$73.86	$3,573.21
2034	$1,750.69	$1,397.82	$3,148.51	$22,977.82	$318.80	$45.96	$68.93	$3,582.20
2035	$1,860.11	$1,292.78	$3,152.88	$21,227.13	$325.18	$42.45	$63.68	$3,584.20
2036	$1,969.53	$1,181.17	$3,150.70	$19,367.02	$331.68	$38.73	$58.10	$3,579.21
2037	$2,078.95	$1,063.00	$3,141.94	$17,397.49	$338.32	$34.79	$52.19	$3,567.25
2038	$2,188.36	$938.26	$3,126.62	$15,318.54	$345.08	$30.64	$45.96	$3,548.30
2039	$2,297.78	$804.22	$3,102.01	$13,130.18	$351.98	$26.26	$39.39	$3,519.64
2040	$2,516.62	$663.48	$3,180.10	$10,832.40	$359.02	$21.66	$32.50	$3,593.29
2041	$2,626.04	$509.34	$3,135.38	$8,315.78	$366.20	$16.63	$24.95	$3,543.16
2042	$2,735.45	$348.50	$3,083.95	$5,689.75	$373.53	$11.38	$17.07	$3,485.93
2043	$2,954.29	$180.95	$3,135.24	$2,954.29	$381.00	$5.91	$8.86	$3,531.01
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$42,016.58**	**$50,027.69**	**$92,044.27**		**$8,489.15**	**$1,603.63**	**$2,405.45**	**$100,721.29**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613046 **Lot Type:** COTTAGES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,729.69	$1,729.69	$42,016.58	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,500.75	$2,500.75	$42,016.58	$218.84	$84.03	$126.05	$842.34
2016	$656.51	$2,500.75	$3,157.26	$42,016.58	$223.21	$84.03	$126.05	$3,586.37
2017	$656.51	$2,463.82	$3,120.33	$41,360.07	$227.68	$82.72	$124.08	$3,554.81
2018	$656.51	$2,426.90	$3,083.40	$40,703.56	$232.23	$81.41	$122.11	$3,519.15
2019	$765.93	$2,389.97	$3,155.89	$40,047.05	$236.88	$80.09	$120.14	$3,593.00
2020	$765.93	$2,346.88	$3,112.81	$39,281.12	$241.61	$78.56	$117.84	$3,550.83
2021	$875.35	$2,303.80	$3,179.15	$38,515.20	$246.45	$77.03	$115.55	$3,618.17
2022	$875.35	$2,254.56	$3,129.91	$37,639.85	$251.37	$75.28	$112.92	$3,569.48
2023	$984.76	$2,205.32	$3,190.09	$36,764.51	$256.40	$73.53	$110.29	$3,630.31
2024	$984.76	$2,149.93	$3,134.69	$35,779.74	$261.53	$71.56	$107.34	$3,575.12
2025	$984.76	$2,094.54	$3,079.30	$34,794.98	$266.76	$69.59	$104.38	$3,520.04
2026	$1,094.18	$2,039.14	$3,133.33	$33,810.22	$272.10	$67.62	$101.43	$3,574.47
2027	$1,203.60	$1,977.60	$3,181.20	$32,716.03	$277.54	$65.43	$98.15	$3,622.31
2028	$1,203.60	$1,909.89	$3,113.49	$31,512.43	$283.09	$63.02	$94.54	$3,554.14
2029	$1,313.02	$1,837.68	$3,150.70	$30,308.83	$288.75	$60.62	$90.93	$3,590.99
2030	$1,422.44	$1,758.90	$3,181.33	$28,995.82	$294.52	$57.99	$86.99	$3,620.84
2031	$1,422.44	$1,673.55	$3,095.99	$27,573.38	$300.42	$55.15	$82.72	$3,534.27
2032	$1,531.85	$1,588.20	$3,120.06	$26,150.94	$306.42	$52.30	$78.45	$3,557.24
2033	$1,641.27	$1,496.29	$3,137.57	$24,619.09	$312.55	$49.24	$73.86	$3,573.21
2034	$1,750.69	$1,397.82	$3,148.51	$22,977.82	$318.80	$45.96	$68.93	$3,582.20
2035	$1,860.11	$1,292.78	$3,152.88	$21,227.13	$325.18	$42.45	$63.68	$3,584.20
2036	$1,969.53	$1,181.17	$3,150.70	$19,367.02	$331.68	$38.73	$58.10	$3,579.21
2037	$2,078.95	$1,063.00	$3,141.94	$17,397.49	$338.32	$34.79	$52.19	$3,567.25
2038	$2,188.36	$938.26	$3,126.62	$15,318.54	$345.08	$30.64	$45.96	$3,548.30
2039	$2,297.78	$804.22	$3,102.01	$13,130.18	$351.98	$26.26	$39.39	$3,519.64
2040	$2,516.62	$663.48	$3,180.10	$10,832.40	$359.02	$21.66	$32.50	$3,593.29
2041	$2,626.04	$509.34	$3,135.38	$8,315.78	$366.20	$16.63	$24.95	$3,543.16
2042	$2,735.45	$348.50	$3,083.95	$5,689.75	$373.53	$11.38	$17.07	$3,485.93
2043	$2,954.29	$180.95	$3,135.24	$2,954.29	$381.00	$5.91	$8.86	$3,531.01
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$42,016.58**	**$50,027.69**	**$92,044.27**		**$8,489.15**	**$1,603.63**	**$2,405.45**	**$100,721.29**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613047 **Lot Type:** COTTAGES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,729.69	$1,729.69	$42,016.58	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,500.75	$2,500.75	$42,016.58	$218.84	$84.03	$126.05	$842.34
2016	$656.51	$2,500.75	$3,157.26	$42,016.58	$223.21	$84.03	$126.05	$3,586.37
2017	$656.51	$2,463.82	$3,120.33	$41,360.07	$227.68	$82.72	$124.08	$3,554.81
2018	$656.51	$2,426.90	$3,083.40	$40,703.56	$232.23	$81.41	$122.11	$3,519.15
2019	$765.93	$2,389.97	$3,155.89	$40,047.05	$236.88	$80.09	$120.14	$3,593.00
2020	$765.93	$2,346.88	$3,112.81	$39,281.12	$241.61	$78.56	$117.84	$3,550.83
2021	$875.35	$2,303.80	$3,179.15	$38,515.20	$246.45	$77.03	$115.55	$3,618.17
2022	$875.35	$2,254.56	$3,129.91	$37,639.85	$251.37	$75.28	$112.92	$3,569.48
2023	$984.76	$2,205.32	$3,190.09	$36,764.51	$256.40	$73.53	$110.29	$3,630.31
2024	$984.76	$2,149.93	$3,134.69	$35,779.74	$261.53	$71.56	$107.34	$3,575.12
2025	$984.76	$2,094.54	$3,079.30	$34,794.98	$266.76	$69.59	$104.38	$3,520.04
2026	$1,094.18	$2,039.14	$3,133.33	$33,810.22	$272.10	$67.62	$101.43	$3,574.47
2027	$1,203.60	$1,977.60	$3,181.20	$32,716.03	$277.54	$65.43	$98.15	$3,622.31
2028	$1,203.60	$1,909.89	$3,113.49	$31,512.43	$283.09	$63.02	$94.54	$3,554.14
2029	$1,313.02	$1,837.68	$3,150.70	$30,308.83	$288.75	$60.62	$90.93	$3,590.99
2030	$1,422.44	$1,758.90	$3,181.33	$28,995.82	$294.52	$57.99	$86.99	$3,620.84
2031	$1,422.44	$1,673.55	$3,095.99	$27,573.38	$300.42	$55.15	$82.72	$3,534.27
2032	$1,531.85	$1,588.20	$3,120.06	$26,150.94	$306.42	$52.30	$78.45	$3,557.24
2033	$1,641.27	$1,496.29	$3,137.57	$24,619.09	$312.55	$49.24	$73.86	$3,573.21
2034	$1,750.69	$1,397.82	$3,148.51	$22,977.82	$318.80	$45.96	$68.93	$3,582.20
2035	$1,860.11	$1,292.78	$3,152.88	$21,227.13	$325.18	$42.45	$63.68	$3,584.20
2036	$1,969.53	$1,181.17	$3,150.70	$19,367.02	$331.68	$38.73	$58.10	$3,579.21
2037	$2,078.95	$1,063.00	$3,141.94	$17,397.49	$338.32	$34.79	$52.19	$3,567.25
2038	$2,188.36	$938.26	$3,126.62	$15,318.54	$345.08	$30.64	$45.96	$3,548.30
2039	$2,297.78	$804.22	$3,102.01	$13,130.18	$351.98	$26.26	$39.39	$3,519.64
2040	$2,516.62	$663.48	$3,180.10	$10,832.40	$359.02	$21.66	$32.50	$3,593.29
2041	$2,626.04	$509.34	$3,135.38	$8,315.78	$366.20	$16.63	$24.95	$3,543.16
2042	$2,735.45	$348.50	$3,083.95	$5,689.75	$373.53	$11.38	$17.07	$3,485.93
2043	$2,954.29	$180.95	$3,135.24	$2,954.29	$381.00	$5.91	$8.86	$3,531.01
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$42,016.58**	**$50,027.69**	**$92,044.27**		**$8,489.15**	**$1,603.63**	**$2,405.45**	**$100,721.29**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613048 **Lot Type:** COTTAGES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,729.69	$1,729.69	$42,016.58	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,500.75	$2,500.75	$42,016.58	$218.84	$84.03	$126.05	$842.34
2016	$656.51	$2,500.75	$3,157.26	$42,016.58	$223.21	$84.03	$126.05	$3,586.37
2017	$656.51	$2,463.82	$3,120.33	$41,360.07	$227.68	$82.72	$124.08	$3,554.81
2018	$656.51	$2,426.90	$3,083.40	$40,703.56	$232.23	$81.41	$122.11	$3,519.15
2019	$765.93	$2,389.97	$3,155.89	$40,047.05	$236.88	$80.09	$120.14	$3,593.00
2020	$765.93	$2,346.88	$3,112.81	$39,281.12	$241.61	$78.56	$117.84	$3,550.83
2021	$875.35	$2,303.80	$3,179.15	$38,515.20	$246.45	$77.03	$115.55	$3,618.17
2022	$875.35	$2,254.56	$3,129.91	$37,639.85	$251.37	$75.28	$112.92	$3,569.48
2023	$984.76	$2,205.32	$3,190.09	$36,764.51	$256.40	$73.53	$110.29	$3,630.31
2024	$984.76	$2,149.93	$3,134.69	$35,779.74	$261.53	$71.56	$107.34	$3,575.12
2025	$984.76	$2,094.54	$3,079.30	$34,794.98	$266.76	$69.59	$104.38	$3,520.04
2026	$1,094.18	$2,039.14	$3,133.33	$33,810.22	$272.10	$67.62	$101.43	$3,574.47
2027	$1,203.60	$1,977.60	$3,181.20	$32,716.03	$277.54	$65.43	$98.15	$3,622.31
2028	$1,203.60	$1,909.89	$3,113.49	$31,512.43	$283.09	$63.02	$94.54	$3,554.14
2029	$1,313.02	$1,837.68	$3,150.70	$30,308.83	$288.75	$60.62	$90.93	$3,590.99
2030	$1,422.44	$1,758.90	$3,181.33	$28,995.82	$294.52	$57.99	$86.99	$3,620.84
2031	$1,422.44	$1,673.55	$3,095.99	$27,573.38	$300.42	$55.15	$82.72	$3,534.27
2032	$1,531.85	$1,588.20	$3,120.06	$26,150.94	$306.42	$52.30	$78.45	$3,557.24
2033	$1,641.27	$1,496.29	$3,137.57	$24,619.09	$312.55	$49.24	$73.86	$3,573.21
2034	$1,750.69	$1,397.82	$3,148.51	$22,977.82	$318.80	$45.96	$68.93	$3,582.20
2035	$1,860.11	$1,292.78	$3,152.88	$21,227.13	$325.18	$42.45	$63.68	$3,584.20
2036	$1,969.53	$1,181.17	$3,150.70	$19,367.02	$331.68	$38.73	$58.10	$3,579.21
2037	$2,078.95	$1,063.00	$3,141.94	$17,397.49	$338.32	$34.79	$52.19	$3,567.25
2038	$2,188.36	$938.26	$3,126.62	$15,318.54	$345.08	$30.64	$45.96	$3,548.30
2039	$2,297.78	$804.22	$3,102.01	$13,130.18	$351.98	$26.26	$39.39	$3,519.64
2040	$2,516.62	$663.48	$3,180.10	$10,832.40	$359.02	$21.66	$32.50	$3,593.29
2041	$2,626.04	$509.34	$3,135.38	$8,315.78	$366.20	$16.63	$24.95	$3,543.16
2042	$2,735.45	$348.50	$3,083.95	$5,689.75	$373.53	$11.38	$17.07	$3,485.93
2043	$2,954.29	$180.95	$3,135.24	$2,954.29	$381.00	$5.91	$8.86	$3,531.01
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$42,016.58**	**$50,027.69**	**$92,044.27**		**$8,489.15**	**$1,603.63**	**$2,405.45**	**$100,721.29**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613049 **Lot Type:** COTTAGES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,729.69	$1,729.69	$42,016.58	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,500.75	$2,500.75	$42,016.58	$218.84	$84.03	$126.05	$842.34
2016	$656.51	$2,500.75	$3,157.26	$42,016.58	$223.21	$84.03	$126.05	$3,586.37
2017	$656.51	$2,463.82	$3,120.33	$41,360.07	$227.68	$82.72	$124.08	$3,554.81
2018	$656.51	$2,426.90	$3,083.40	$40,703.56	$232.23	$81.41	$122.11	$3,519.15
2019	$765.93	$2,389.97	$3,155.89	$40,047.05	$236.88	$80.09	$120.14	$3,593.00
2020	$765.93	$2,346.88	$3,112.81	$39,281.12	$241.61	$78.56	$117.84	$3,550.83
2021	$875.35	$2,303.80	$3,179.15	$38,515.20	$246.45	$77.03	$115.55	$3,618.17
2022	$875.35	$2,254.56	$3,129.91	$37,639.85	$251.37	$75.28	$112.92	$3,569.48
2023	$984.76	$2,205.32	$3,190.09	$36,764.51	$256.40	$73.53	$110.29	$3,630.31
2024	$984.76	$2,149.93	$3,134.69	$35,779.74	$261.53	$71.56	$107.34	$3,575.12
2025	$984.76	$2,094.54	$3,079.30	$34,794.98	$266.76	$69.59	$104.38	$3,520.04
2026	$1,094.18	$2,039.14	$3,133.33	$33,810.22	$272.10	$67.62	$101.43	$3,574.47
2027	$1,203.60	$1,977.60	$3,181.20	$32,716.03	$277.54	$65.43	$98.15	$3,622.31
2028	$1,203.60	$1,909.89	$3,113.49	$31,512.43	$283.09	$63.02	$94.54	$3,554.14
2029	$1,313.02	$1,837.68	$3,150.70	$30,308.83	$288.75	$60.62	$90.93	$3,590.99
2030	$1,422.44	$1,758.90	$3,181.33	$28,995.82	$294.52	$57.99	$86.99	$3,620.84
2031	$1,422.44	$1,673.55	$3,095.99	$27,573.38	$300.42	$55.15	$82.72	$3,534.27
2032	$1,531.85	$1,588.20	$3,120.06	$26,150.94	$306.42	$52.30	$78.45	$3,557.24
2033	$1,641.27	$1,496.29	$3,137.57	$24,619.09	$312.55	$49.24	$73.86	$3,573.21
2034	$1,750.69	$1,397.82	$3,148.51	$22,977.82	$318.80	$45.96	$68.93	$3,582.20
2035	$1,860.11	$1,292.78	$3,152.88	$21,227.13	$325.18	$42.45	$63.68	$3,584.20
2036	$1,969.53	$1,181.17	$3,150.70	$19,367.02	$331.68	$38.73	$58.10	$3,579.21
2037	$2,078.95	$1,063.00	$3,141.94	$17,397.49	$338.32	$34.79	$52.19	$3,567.25
2038	$2,188.36	$938.26	$3,126.62	$15,318.54	$345.08	$30.64	$45.96	$3,548.30
2039	$2,297.78	$804.22	$3,102.01	$13,130.18	$351.98	$26.26	$39.39	$3,519.64
2040	$2,516.62	$663.48	$3,180.10	$10,832.40	$359.02	$21.66	$32.50	$3,593.29
2041	$2,626.04	$509.34	$3,135.38	$8,315.78	$366.20	$16.63	$24.95	$3,543.16
2042	$2,735.45	$348.50	$3,083.95	$5,689.75	$373.53	$11.38	$17.07	$3,485.93
2043	$2,954.29	$180.95	$3,135.24	$2,954.29	$381.00	$5.91	$8.86	$3,531.01
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$42,016.58**	**$50,027.69**	**$92,044.27**		**$8,489.15**	**$1,603.63**	**$2,405.45**	**$100,721.29**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613050 **Lot Type:** COTTAGES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,729.69	$1,729.69	$42,016.58	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,500.75	$2,500.75	$42,016.58	$218.84	$84.03	$126.05	$842.34
2016	$656.51	$2,500.75	$3,157.26	$42,016.58	$223.21	$84.03	$126.05	$3,586.37
2017	$656.51	$2,463.82	$3,120.33	$41,360.07	$227.68	$82.72	$124.08	$3,554.81
2018	$656.51	$2,426.90	$3,083.40	$40,703.56	$232.23	$81.41	$122.11	$3,519.15
2019	$765.93	$2,389.97	$3,155.89	$40,047.05	$236.88	$80.09	$120.14	$3,593.00
2020	$765.93	$2,346.88	$3,112.81	$39,281.12	$241.61	$78.56	$117.84	$3,550.83
2021	$875.35	$2,303.80	$3,179.15	$38,515.20	$246.45	$77.03	$115.55	$3,618.17
2022	$875.35	$2,254.56	$3,129.91	$37,639.85	$251.37	$75.28	$112.92	$3,569.48
2023	$984.76	$2,205.32	$3,190.09	$36,764.51	$256.40	$73.53	$110.29	$3,630.31
2024	$984.76	$2,149.93	$3,134.69	$35,779.74	$261.53	$71.56	$107.34	$3,575.12
2025	$984.76	$2,094.54	$3,079.30	$34,794.98	$266.76	$69.59	$104.38	$3,520.04
2026	$1,094.18	$2,039.14	$3,133.33	$33,810.22	$272.10	$67.62	$101.43	$3,574.47
2027	$1,203.60	$1,977.60	$3,181.20	$32,716.03	$277.54	$65.43	$98.15	$3,622.31
2028	$1,203.60	$1,909.89	$3,113.49	$31,512.43	$283.09	$63.02	$94.54	$3,554.14
2029	$1,313.02	$1,837.68	$3,150.70	$30,308.83	$288.75	$60.62	$90.93	$3,590.99
2030	$1,422.44	$1,758.90	$3,181.33	$28,995.82	$294.52	$57.99	$86.99	$3,620.84
2031	$1,422.44	$1,673.55	$3,095.99	$27,573.38	$300.42	$55.15	$82.72	$3,534.27
2032	$1,531.85	$1,588.20	$3,120.06	$26,150.94	$306.42	$52.30	$78.45	$3,557.24
2033	$1,641.27	$1,496.29	$3,137.57	$24,619.09	$312.55	$49.24	$73.86	$3,573.21
2034	$1,750.69	$1,397.82	$3,148.51	$22,977.82	$318.80	$45.96	$68.93	$3,582.20
2035	$1,860.11	$1,292.78	$3,152.88	$21,227.13	$325.18	$42.45	$63.68	$3,584.20
2036	$1,969.53	$1,181.17	$3,150.70	$19,367.02	$331.68	$38.73	$58.10	$3,579.21
2037	$2,078.95	$1,063.00	$3,141.94	$17,397.49	$338.32	$34.79	$52.19	$3,567.25
2038	$2,188.36	$938.26	$3,126.62	$15,318.54	$345.08	$30.64	$45.96	$3,548.30
2039	$2,297.78	$804.22	$3,102.01	$13,130.18	$351.98	$26.26	$39.39	$3,519.64
2040	$2,516.62	$663.48	$3,180.10	$10,832.40	$359.02	$21.66	$32.50	$3,593.29
2041	$2,626.04	$509.34	$3,135.38	$8,315.78	$366.20	$16.63	$24.95	$3,543.16
2042	$2,735.45	$348.50	$3,083.95	$5,689.75	$373.53	$11.38	$17.07	$3,485.93
2043	$2,954.29	$180.95	$3,135.24	$2,954.29	$381.00	$5.91	$8.86	$3,531.01
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$42,016.58**	**$50,027.69**	**$92,044.27**		**$8,489.15**	**$1,603.63**	**$2,405.45**	**$100,721.29**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613051 **Lot Type:** COTTAGES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,729.69	$1,729.69	$42,016.58	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,500.75	$2,500.75	$42,016.58	$218.84	$84.03	$126.05	$842.34
2016	$656.51	$2,500.75	$3,157.26	$42,016.58	$223.21	$84.03	$126.05	$3,586.37
2017	$656.51	$2,463.82	$3,120.33	$41,360.07	$227.68	$82.72	$124.08	$3,554.81
2018	$656.51	$2,426.90	$3,083.40	$40,703.56	$232.23	$81.41	$122.11	$3,519.15
2019	$765.93	$2,389.97	$3,155.89	$40,047.05	$236.88	$80.09	$120.14	$3,593.00
2020	$765.93	$2,346.88	$3,112.81	$39,281.12	$241.61	$78.56	$117.84	$3,550.83
2021	$875.35	$2,303.80	$3,179.15	$38,515.20	$246.45	$77.03	$115.55	$3,618.17
2022	$875.35	$2,254.56	$3,129.91	$37,639.85	$251.37	$75.28	$112.92	$3,569.48
2023	$984.76	$2,205.32	$3,190.09	$36,764.51	$256.40	$73.53	$110.29	$3,630.31
2024	$984.76	$2,149.93	$3,134.69	$35,779.74	$261.53	$71.56	$107.34	$3,575.12
2025	$984.76	$2,094.54	$3,079.30	$34,794.98	$266.76	$69.59	$104.38	$3,520.04
2026	$1,094.18	$2,039.14	$3,133.33	$33,810.22	$272.10	$67.62	$101.43	$3,574.47
2027	$1,203.60	$1,977.60	$3,181.20	$32,716.03	$277.54	$65.43	$98.15	$3,622.31
2028	$1,203.60	$1,909.89	$3,113.49	$31,512.43	$283.09	$63.02	$94.54	$3,554.14
2029	$1,313.02	$1,837.68	$3,150.70	$30,308.83	$288.75	$60.62	$90.93	$3,590.99
2030	$1,422.44	$1,758.90	$3,181.33	$28,995.82	$294.52	$57.99	$86.99	$3,620.84
2031	$1,422.44	$1,673.55	$3,095.99	$27,573.38	$300.42	$55.15	$82.72	$3,534.27
2032	$1,531.85	$1,588.20	$3,120.06	$26,150.94	$306.42	$52.30	$78.45	$3,557.24
2033	$1,641.27	$1,496.29	$3,137.57	$24,619.09	$312.55	$49.24	$73.86	$3,573.21
2034	$1,750.69	$1,397.82	$3,148.51	$22,977.82	$318.80	$45.96	$68.93	$3,582.20
2035	$1,860.11	$1,292.78	$3,152.88	$21,227.13	$325.18	$42.45	$63.68	$3,584.20
2036	$1,969.53	$1,181.17	$3,150.70	$19,367.02	$331.68	$38.73	$58.10	$3,579.21
2037	$2,078.95	$1,063.00	$3,141.94	$17,397.49	$338.32	$34.79	$52.19	$3,567.25
2038	$2,188.36	$938.26	$3,126.62	$15,318.54	$345.08	$30.64	$45.96	$3,548.30
2039	$2,297.78	$804.22	$3,102.01	$13,130.18	$351.98	$26.26	$39.39	$3,519.64
2040	$2,516.62	$663.48	$3,180.10	$10,832.40	$359.02	$21.66	$32.50	$3,593.29
2041	$2,626.04	$509.34	$3,135.38	$8,315.78	$366.20	$16.63	$24.95	$3,543.16
2042	$2,735.45	$348.50	$3,083.95	$5,689.75	$373.53	$11.38	$17.07	$3,485.93
2043	$2,954.29	$180.95	$3,135.24	$2,954.29	$381.00	$5.91	$8.86	$3,531.01
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$42,016.58**	**$50,027.69**	**$92,044.27**		**$8,489.15**	**$1,603.63**	**$2,405.45**	**$100,721.29**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613052 **Lot Type:** COTTAGES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,729.69	$1,729.69	$42,016.58	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,500.75	$2,500.75	$42,016.58	$218.84	$84.03	$126.05	$842.34
2016	$656.51	$2,500.75	$3,157.26	$42,016.58	$223.21	$84.03	$126.05	$3,586.37
2017	$656.51	$2,463.82	$3,120.33	$41,360.07	$227.68	$82.72	$124.08	$3,554.81
2018	$656.51	$2,426.90	$3,083.40	$40,703.56	$232.23	$81.41	$122.11	$3,519.15
2019	$765.93	$2,389.97	$3,155.89	$40,047.05	$236.88	$80.09	$120.14	$3,593.00
2020	$765.93	$2,346.88	$3,112.81	$39,281.12	$241.61	$78.56	$117.84	$3,550.83
2021	$875.35	$2,303.80	$3,179.15	$38,515.20	$246.45	$77.03	$115.55	$3,618.17
2022	$875.35	$2,254.56	$3,129.91	$37,639.85	$251.37	$75.28	$112.92	$3,569.48
2023	$984.76	$2,205.32	$3,190.09	$36,764.51	$256.40	$73.53	$110.29	$3,630.31
2024	$984.76	$2,149.93	$3,134.69	$35,779.74	$261.53	$71.56	$107.34	$3,575.12
2025	$984.76	$2,094.54	$3,079.30	$34,794.98	$266.76	$69.59	$104.38	$3,520.04
2026	$1,094.18	$2,039.14	$3,133.33	$33,810.22	$272.10	$67.62	$101.43	$3,574.47
2027	$1,203.60	$1,977.60	$3,181.20	$32,716.03	$277.54	$65.43	$98.15	$3,622.31
2028	$1,203.60	$1,909.89	$3,113.49	$31,512.43	$283.09	$63.02	$94.54	$3,554.14
2029	$1,313.02	$1,837.68	$3,150.70	$30,308.83	$288.75	$60.62	$90.93	$3,590.99
2030	$1,422.44	$1,758.90	$3,181.33	$28,995.82	$294.52	$57.99	$86.99	$3,620.84
2031	$1,422.44	$1,673.55	$3,095.99	$27,573.38	$300.42	$55.15	$82.72	$3,534.27
2032	$1,531.85	$1,588.20	$3,120.06	$26,150.94	$306.42	$52.30	$78.45	$3,557.24
2033	$1,641.27	$1,496.29	$3,137.57	$24,619.09	$312.55	$49.24	$73.86	$3,573.21
2034	$1,750.69	$1,397.82	$3,148.51	$22,977.82	$318.80	$45.96	$68.93	$3,582.20
2035	$1,860.11	$1,292.78	$3,152.88	$21,227.13	$325.18	$42.45	$63.68	$3,584.20
2036	$1,969.53	$1,181.17	$3,150.70	$19,367.02	$331.68	$38.73	$58.10	$3,579.21
2037	$2,078.95	$1,063.00	$3,141.94	$17,397.49	$338.32	$34.79	$52.19	$3,567.25
2038	$2,188.36	$938.26	$3,126.62	$15,318.54	$345.08	$30.64	$45.96	$3,548.30
2039	$2,297.78	$804.22	$3,102.01	$13,130.18	$351.98	$26.26	$39.39	$3,519.64
2040	$2,516.62	$663.48	$3,180.10	$10,832.40	$359.02	$21.66	$32.50	$3,593.29
2041	$2,626.04	$509.34	$3,135.38	$8,315.78	$366.20	$16.63	$24.95	$3,543.16
2042	$2,735.45	$348.50	$3,083.95	$5,689.75	$373.53	$11.38	$17.07	$3,485.93
2043	$2,954.29	$180.95	$3,135.24	$2,954.29	$381.00	$5.91	$8.86	$3,531.01
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$42,016.58**	**$50,027.69**	**$92,044.27**		**$8,489.15**	**$1,603.63**	**$2,405.45**	**$100,721.29**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613053 **Lot Type:** COTTAGES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,729.69	$1,729.69	$42,016.58	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,500.75	$2,500.75	$42,016.58	$218.84	$84.03	$126.05	$842.34
2016	$656.51	$2,500.75	$3,157.26	$42,016.58	$223.21	$84.03	$126.05	$3,586.37
2017	$656.51	$2,463.82	$3,120.33	$41,360.07	$227.68	$82.72	$124.08	$3,554.81
2018	$656.51	$2,426.90	$3,083.40	$40,703.56	$232.23	$81.41	$122.11	$3,519.15
2019	$765.93	$2,389.97	$3,155.89	$40,047.05	$236.88	$80.09	$120.14	$3,593.00
2020	$765.93	$2,346.88	$3,112.81	$39,281.12	$241.61	$78.56	$117.84	$3,550.83
2021	$875.35	$2,303.80	$3,179.15	$38,515.20	$246.45	$77.03	$115.55	$3,618.17
2022	$875.35	$2,254.56	$3,129.91	$37,639.85	$251.37	$75.28	$112.92	$3,569.48
2023	$984.76	$2,205.32	$3,190.09	$36,764.51	$256.40	$73.53	$110.29	$3,630.31
2024	$984.76	$2,149.93	$3,134.69	$35,779.74	$261.53	$71.56	$107.34	$3,575.12
2025	$984.76	$2,094.54	$3,079.30	$34,794.98	$266.76	$69.59	$104.38	$3,520.04
2026	$1,094.18	$2,039.14	$3,133.33	$33,810.22	$272.10	$67.62	$101.43	$3,574.47
2027	$1,203.60	$1,977.60	$3,181.20	$32,716.03	$277.54	$65.43	$98.15	$3,622.31
2028	$1,203.60	$1,909.89	$3,113.49	$31,512.43	$283.09	$63.02	$94.54	$3,554.14
2029	$1,313.02	$1,837.68	$3,150.70	$30,308.83	$288.75	$60.62	$90.93	$3,590.99
2030	$1,422.44	$1,758.90	$3,181.33	$28,995.82	$294.52	$57.99	$86.99	$3,620.84
2031	$1,422.44	$1,673.55	$3,095.99	$27,573.38	$300.42	$55.15	$82.72	$3,534.27
2032	$1,531.85	$1,588.20	$3,120.06	$26,150.94	$306.42	$52.30	$78.45	$3,557.24
2033	$1,641.27	$1,496.29	$3,137.57	$24,619.09	$312.55	$49.24	$73.86	$3,573.21
2034	$1,750.69	$1,397.82	$3,148.51	$22,977.82	$318.80	$45.96	$68.93	$3,582.20
2035	$1,860.11	$1,292.78	$3,152.88	$21,227.13	$325.18	$42.45	$63.68	$3,584.20
2036	$1,969.53	$1,181.17	$3,150.70	$19,367.02	$331.68	$38.73	$58.10	$3,579.21
2037	$2,078.95	$1,063.00	$3,141.94	$17,397.49	$338.32	$34.79	$52.19	$3,567.25
2038	$2,188.36	$938.26	$3,126.62	$15,318.54	$345.08	$30.64	$45.96	$3,548.30
2039	$2,297.78	$804.22	$3,102.01	$13,130.18	$351.98	$26.26	$39.39	$3,519.64
2040	$2,516.62	$663.48	$3,180.10	$10,832.40	$359.02	$21.66	$32.50	$3,593.29
2041	$2,626.04	$509.34	$3,135.38	$8,315.78	$366.20	$16.63	$24.95	$3,543.16
2042	$2,735.45	$348.50	$3,083.95	$5,689.75	$373.53	$11.38	$17.07	$3,485.93
2043	$2,954.29	$180.95	$3,135.24	$2,954.29	$381.00	$5.91	$8.86	$3,531.01
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$42,016.58**	**$50,027.69**	**$92,044.27**		**$8,489.15**	**$1,603.63**	**$2,405.45**	**$100,721.29**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613054 **Lot Type:** COTTAGES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,729.69	$1,729.69	$42,016.58	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,500.75	$2,500.75	$42,016.58	$218.84	$84.03	$126.05	$842.34
2016	$656.51	$2,500.75	$3,157.26	$42,016.58	$223.21	$84.03	$126.05	$3,586.37
2017	$656.51	$2,463.82	$3,120.33	$41,360.07	$227.68	$82.72	$124.08	$3,554.81
2018	$656.51	$2,426.90	$3,083.40	$40,703.56	$232.23	$81.41	$122.11	$3,519.15
2019	$765.93	$2,389.97	$3,155.89	$40,047.05	$236.88	$80.09	$120.14	$3,593.00
2020	$765.93	$2,346.88	$3,112.81	$39,281.12	$241.61	$78.56	$117.84	$3,550.83
2021	$875.35	$2,303.80	$3,179.15	$38,515.20	$246.45	$77.03	$115.55	$3,618.17
2022	$875.35	$2,254.56	$3,129.91	$37,639.85	$251.37	$75.28	$112.92	$3,569.48
2023	$984.76	$2,205.32	$3,190.09	$36,764.51	$256.40	$73.53	$110.29	$3,630.31
2024	$984.76	$2,149.93	$3,134.69	$35,779.74	$261.53	$71.56	$107.34	$3,575.12
2025	$984.76	$2,094.54	$3,079.30	$34,794.98	$266.76	$69.59	$104.38	$3,520.04
2026	$1,094.18	$2,039.14	$3,133.33	$33,810.22	$272.10	$67.62	$101.43	$3,574.47
2027	$1,203.60	$1,977.60	$3,181.20	$32,716.03	$277.54	$65.43	$98.15	$3,622.31
2028	$1,203.60	$1,909.89	$3,113.49	$31,512.43	$283.09	$63.02	$94.54	$3,554.14
2029	$1,313.02	$1,837.68	$3,150.70	$30,308.83	$288.75	$60.62	$90.93	$3,590.99
2030	$1,422.44	$1,758.90	$3,181.33	$28,995.82	$294.52	$57.99	$86.99	$3,620.84
2031	$1,422.44	$1,673.55	$3,095.99	$27,573.38	$300.42	$55.15	$82.72	$3,534.27
2032	$1,531.85	$1,588.20	$3,120.06	$26,150.94	$306.42	$52.30	$78.45	$3,557.24
2033	$1,641.27	$1,496.29	$3,137.57	$24,619.09	$312.55	$49.24	$73.86	$3,573.21
2034	$1,750.69	$1,397.82	$3,148.51	$22,977.82	$318.80	$45.96	$68.93	$3,582.20
2035	$1,860.11	$1,292.78	$3,152.88	$21,227.13	$325.18	$42.45	$63.68	$3,584.20
2036	$1,969.53	$1,181.17	$3,150.70	$19,367.02	$331.68	$38.73	$58.10	$3,579.21
2037	$2,078.95	$1,063.00	$3,141.94	$17,397.49	$338.32	$34.79	$52.19	$3,567.25
2038	$2,188.36	$938.26	$3,126.62	$15,318.54	$345.08	$30.64	$45.96	$3,548.30
2039	$2,297.78	$804.22	$3,102.01	$13,130.18	$351.98	$26.26	$39.39	$3,519.64
2040	$2,516.62	$663.48	$3,180.10	$10,832.40	$359.02	$21.66	$32.50	$3,593.29
2041	$2,626.04	$509.34	$3,135.38	$8,315.78	$366.20	$16.63	$24.95	$3,543.16
2042	$2,735.45	$348.50	$3,083.95	$5,689.75	$373.53	$11.38	$17.07	$3,485.93
2043	$2,954.29	$180.95	$3,135.24	$2,954.29	$381.00	$5.91	$8.86	$3,531.01
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$42,016.58**	**$50,027.69**	**$92,044.27**		**$8,489.15**	**$1,603.63**	**$2,405.45**	**$100,721.29**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613055 **Lot Type:** COTTAGES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,729.69	$1,729.69	$42,016.58	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,500.75	$2,500.75	$42,016.58	$218.84	$84.03	$126.05	$842.34
2016	$656.51	$2,500.75	$3,157.26	$42,016.58	$223.21	$84.03	$126.05	$3,586.37
2017	$656.51	$2,463.82	$3,120.33	$41,360.07	$227.68	$82.72	$124.08	$3,554.81
2018	$656.51	$2,426.90	$3,083.40	$40,703.56	$232.23	$81.41	$122.11	$3,519.15
2019	$765.93	$2,389.97	$3,155.89	$40,047.05	$236.88	$80.09	$120.14	$3,593.00
2020	$765.93	$2,346.88	$3,112.81	$39,281.12	$241.61	$78.56	$117.84	$3,550.83
2021	$875.35	$2,303.80	$3,179.15	$38,515.20	$246.45	$77.03	$115.55	$3,618.17
2022	$875.35	$2,254.56	$3,129.91	$37,639.85	$251.37	$75.28	$112.92	$3,569.48
2023	$984.76	$2,205.32	$3,190.09	$36,764.51	$256.40	$73.53	$110.29	$3,630.31
2024	$984.76	$2,149.93	$3,134.69	$35,779.74	$261.53	$71.56	$107.34	$3,575.12
2025	$984.76	$2,094.54	$3,079.30	$34,794.98	$266.76	$69.59	$104.38	$3,520.04
2026	$1,094.18	$2,039.14	$3,133.33	$33,810.22	$272.10	$67.62	$101.43	$3,574.47
2027	$1,203.60	$1,977.60	$3,181.20	$32,716.03	$277.54	$65.43	$98.15	$3,622.31
2028	$1,203.60	$1,909.89	$3,113.49	$31,512.43	$283.09	$63.02	$94.54	$3,554.14
2029	$1,313.02	$1,837.68	$3,150.70	$30,308.83	$288.75	$60.62	$90.93	$3,590.99
2030	$1,422.44	$1,758.90	$3,181.33	$28,995.82	$294.52	$57.99	$86.99	$3,620.84
2031	$1,422.44	$1,673.55	$3,095.99	$27,573.38	$300.42	$55.15	$82.72	$3,534.27
2032	$1,531.85	$1,588.20	$3,120.06	$26,150.94	$306.42	$52.30	$78.45	$3,557.24
2033	$1,641.27	$1,496.29	$3,137.57	$24,619.09	$312.55	$49.24	$73.86	$3,573.21
2034	$1,750.69	$1,397.82	$3,148.51	$22,977.82	$318.80	$45.96	$68.93	$3,582.20
2035	$1,860.11	$1,292.78	$3,152.88	$21,227.13	$325.18	$42.45	$63.68	$3,584.20
2036	$1,969.53	$1,181.17	$3,150.70	$19,367.02	$331.68	$38.73	$58.10	$3,579.21
2037	$2,078.95	$1,063.00	$3,141.94	$17,397.49	$338.32	$34.79	$52.19	$3,567.25
2038	$2,188.36	$938.26	$3,126.62	$15,318.54	$345.08	$30.64	$45.96	$3,548.30
2039	$2,297.78	$804.22	$3,102.01	$13,130.18	$351.98	$26.26	$39.39	$3,519.64
2040	$2,516.62	$663.48	$3,180.10	$10,832.40	$359.02	$21.66	$32.50	$3,593.29
2041	$2,626.04	$509.34	$3,135.38	$8,315.78	$366.20	$16.63	$24.95	$3,543.16
2042	$2,735.45	$348.50	$3,083.95	$5,689.75	$373.53	$11.38	$17.07	$3,485.93
2043	$2,954.29	$180.95	$3,135.24	$2,954.29	$381.00	$5.91	$8.86	$3,531.01
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$42,016.58**	**$50,027.69**	**$92,044.27**		**$8,489.15**	**$1,603.63**	**$2,405.45**	**$100,721.29**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613056 **Lot Type:** COTTAGES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,729.69	$1,729.69	$42,016.58	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,500.75	$2,500.75	$42,016.58	$218.84	$84.03	$126.05	$842.34
2016	$656.51	$2,500.75	$3,157.26	$42,016.58	$223.21	$84.03	$126.05	$3,586.37
2017	$656.51	$2,463.82	$3,120.33	$41,360.07	$227.68	$82.72	$124.08	$3,554.81
2018	$656.51	$2,426.90	$3,083.40	$40,703.56	$232.23	$81.41	$122.11	$3,519.15
2019	$765.93	$2,389.97	$3,155.89	$40,047.05	$236.88	$80.09	$120.14	$3,593.00
2020	$765.93	$2,346.88	$3,112.81	$39,281.12	$241.61	$78.56	$117.84	$3,550.83
2021	$875.35	$2,303.80	$3,179.15	$38,515.20	$246.45	$77.03	$115.55	$3,618.17
2022	$875.35	$2,254.56	$3,129.91	$37,639.85	$251.37	$75.28	$112.92	$3,569.48
2023	$984.76	$2,205.32	$3,190.09	$36,764.51	$256.40	$73.53	$110.29	$3,630.31
2024	$984.76	$2,149.93	$3,134.69	$35,779.74	$261.53	$71.56	$107.34	$3,575.12
2025	$984.76	$2,094.54	$3,079.30	$34,794.98	$266.76	$69.59	$104.38	$3,520.04
2026	$1,094.18	$2,039.14	$3,133.33	$33,810.22	$272.10	$67.62	$101.43	$3,574.47
2027	$1,203.60	$1,977.60	$3,181.20	$32,716.03	$277.54	$65.43	$98.15	$3,622.31
2028	$1,203.60	$1,909.89	$3,113.49	$31,512.43	$283.09	$63.02	$94.54	$3,554.14
2029	$1,313.02	$1,837.68	$3,150.70	$30,308.83	$288.75	$60.62	$90.93	$3,590.99
2030	$1,422.44	$1,758.90	$3,181.33	$28,995.82	$294.52	$57.99	$86.99	$3,620.84
2031	$1,422.44	$1,673.55	$3,095.99	$27,573.38	$300.42	$55.15	$82.72	$3,534.27
2032	$1,531.85	$1,588.20	$3,120.06	$26,150.94	$306.42	$52.30	$78.45	$3,557.24
2033	$1,641.27	$1,496.29	$3,137.57	$24,619.09	$312.55	$49.24	$73.86	$3,573.21
2034	$1,750.69	$1,397.82	$3,148.51	$22,977.82	$318.80	$45.96	$68.93	$3,582.20
2035	$1,860.11	$1,292.78	$3,152.88	$21,227.13	$325.18	$42.45	$63.68	$3,584.20
2036	$1,969.53	$1,181.17	$3,150.70	$19,367.02	$331.68	$38.73	$58.10	$3,579.21
2037	$2,078.95	$1,063.00	$3,141.94	$17,397.49	$338.32	$34.79	$52.19	$3,567.25
2038	$2,188.36	$938.26	$3,126.62	$15,318.54	$345.08	$30.64	$45.96	$3,548.30
2039	$2,297.78	$804.22	$3,102.01	$13,130.18	$351.98	$26.26	$39.39	$3,519.64
2040	$2,516.62	$663.48	$3,180.10	$10,832.40	$359.02	$21.66	$32.50	$3,593.29
2041	$2,626.04	$509.34	$3,135.38	$8,315.78	$366.20	$16.63	$24.95	$3,543.16
2042	$2,735.45	$348.50	$3,083.95	$5,689.75	$373.53	$11.38	$17.07	$3,485.93
2043	$2,954.29	$180.95	$3,135.24	$2,954.29	$381.00	$5.91	$8.86	$3,531.01
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$42,016.58**	**$50,027.69**	**$92,044.27**		**$8,489.15**	**$1,603.63**	**$2,405.45**	**$100,721.29**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613057 **Lot Type:** COTTAGES
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,729.69	$1,729.69	$42,016.58	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,500.75	$2,500.75	$42,016.58	$218.84	$84.03	$126.05	$842.34
2016	$656.51	$2,500.75	$3,157.26	$42,016.58	$223.21	$84.03	$126.05	$3,586.37
2017	$656.51	$2,463.82	$3,120.33	$41,360.07	$227.68	$82.72	$124.08	$3,554.81
2018	$656.51	$2,426.90	$3,083.40	$40,703.56	$232.23	$81.41	$122.11	$3,519.15
2019	$765.93	$2,389.97	$3,155.89	$40,047.05	$236.88	$80.09	$120.14	$3,593.00
2020	$765.93	$2,346.88	$3,112.81	$39,281.12	$241.61	$78.56	$117.84	$3,550.83
2021	$875.35	$2,303.80	$3,179.15	$38,515.20	$246.45	$77.03	$115.55	$3,618.17
2022	$875.35	$2,254.56	$3,129.91	$37,639.85	$251.37	$75.28	$112.92	$3,569.48
2023	$984.76	$2,205.32	$3,190.09	$36,764.51	$256.40	$73.53	$110.29	$3,630.31
2024	$984.76	$2,149.93	$3,134.69	$35,779.74	$261.53	$71.56	$107.34	$3,575.12
2025	$984.76	$2,094.54	$3,079.30	$34,794.98	$266.76	$69.59	$104.38	$3,520.04
2026	$1,094.18	$2,039.14	$3,133.33	$33,810.22	$272.10	$67.62	$101.43	$3,574.47
2027	$1,203.60	$1,977.60	$3,181.20	$32,716.03	$277.54	$65.43	$98.15	$3,622.31
2028	$1,203.60	$1,909.89	$3,113.49	$31,512.43	$283.09	$63.02	$94.54	$3,554.14
2029	$1,313.02	$1,837.68	$3,150.70	$30,308.83	$288.75	$60.62	$90.93	$3,590.99
2030	$1,422.44	$1,758.90	$3,181.33	$28,995.82	$294.52	$57.99	$86.99	$3,620.84
2031	$1,422.44	$1,673.55	$3,095.99	$27,573.38	$300.42	$55.15	$82.72	$3,534.27
2032	$1,531.85	$1,588.20	$3,120.06	$26,150.94	$306.42	$52.30	$78.45	$3,557.24
2033	$1,641.27	$1,496.29	$3,137.57	$24,619.09	$312.55	$49.24	$73.86	$3,573.21
2034	$1,750.69	$1,397.82	$3,148.51	$22,977.82	$318.80	$45.96	$68.93	$3,582.20
2035	$1,860.11	$1,292.78	$3,152.88	$21,227.13	$325.18	$42.45	$63.68	$3,584.20
2036	$1,969.53	$1,181.17	$3,150.70	$19,367.02	$331.68	$38.73	$58.10	$3,579.21
2037	$2,078.95	$1,063.00	$3,141.94	$17,397.49	$338.32	$34.79	$52.19	$3,567.25
2038	$2,188.36	$938.26	$3,126.62	$15,318.54	$345.08	$30.64	$45.96	$3,548.30
2039	$2,297.78	$804.22	$3,102.01	$13,130.18	$351.98	$26.26	$39.39	$3,519.64
2040	$2,516.62	$663.48	$3,180.10	$10,832.40	$359.02	$21.66	$32.50	$3,593.29
2041	$2,626.04	$509.34	$3,135.38	$8,315.78	$366.20	$16.63	$24.95	$3,543.16
2042	$2,735.45	$348.50	$3,083.95	$5,689.75	$373.53	$11.38	$17.07	$3,485.93
2043	$2,954.29	$180.95	$3,135.24	$2,954.29	$381.00	$5.91	$8.86	$3,531.01
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$42,016.58**	**$50,027.69**	**$92,044.27**		**$8,489.15**	**$1,603.63**	**$2,405.45**	**$100,721.29**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613058 **Lot Type:** GARDEN
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,915.01	$1,915.01	$46,518.35	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,768.69	$2,768.69	$46,518.35	$242.28	$93.04	$139.56	$932.59
2016	$726.85	$2,768.69	$3,495.54	$46,518.35	$247.13	$93.04	$139.56	$3,970.62
2017	$726.85	$2,727.80	$3,454.65	$45,791.51	$252.07	$91.58	$137.37	$3,935.68
2018	$726.85	$2,686.92	$3,413.77	$45,064.66	$257.11	$90.13	$135.19	$3,896.20
2019	$847.99	$2,646.03	$3,494.03	$44,337.81	$262.26	$88.68	$133.01	$3,977.97
2020	$847.99	$2,598.33	$3,446.33	$43,489.82	$267.50	$86.98	$130.47	$3,931.27
2021	$969.13	$2,550.64	$3,519.77	$42,641.83	$272.85	$85.28	$127.93	$4,005.83
2022	$969.13	$2,496.12	$3,465.25	$41,672.69	$278.31	$83.35	$125.02	$3,951.92
2023	$1,090.27	$2,441.61	$3,531.88	$40,703.56	$283.87	$81.41	$122.11	$4,019.27
2024	$1,090.27	$2,380.28	$3,470.55	$39,613.29	$289.55	$79.23	$118.84	$3,958.17
2025	$1,090.27	$2,318.95	$3,409.23	$38,523.01	$295.34	$77.05	$115.57	$3,897.18
2026	$1,211.42	$2,257.62	$3,469.04	$37,432.74	$301.25	$74.87	$112.30	$3,957.45
2027	$1,332.56	$2,189.48	$3,522.04	$36,221.32	$307.27	$72.44	$108.66	$4,010.42
2028	$1,332.56	$2,114.53	$3,447.08	$34,888.77	$313.42	$69.78	$104.67	$3,934.95
2029	$1,453.70	$2,034.57	$3,488.27	$33,556.21	$319.69	$67.11	$100.67	$3,975.74
2030	$1,574.84	$1,947.35	$3,522.19	$32,102.51	$326.08	$64.21	$96.31	$4,008.78
2031	$1,574.84	$1,852.86	$3,427.70	$30,527.67	$332.60	$61.06	$91.58	$3,912.94
2032	$1,695.98	$1,758.37	$3,454.35	$28,952.83	$339.25	$57.91	$86.86	$3,938.37
2033	$1,817.12	$1,656.61	$3,473.73	$27,256.85	$346.04	$54.51	$81.77	$3,956.06
2034	$1,938.26	$1,547.58	$3,485.85	$25,439.73	$352.96	$50.88	$76.32	$3,966.01
2035	$2,059.41	$1,431.29	$3,490.69	$23,501.46	$360.02	$47.00	$70.50	$3,968.22
2036	$2,180.55	$1,307.72	$3,488.27	$21,442.05	$367.22	$42.88	$64.33	$3,962.70
2037	$2,301.69	$1,176.89	$3,478.58	$19,261.51	$374.56	$38.52	$57.78	$3,949.45
2038	$2,422.83	$1,038.79	$3,461.62	$16,959.82	$382.06	$33.92	$50.88	$3,928.47
2039	$2,543.97	$890.39	$3,434.36	$14,536.99	$389.70	$29.07	$43.61	$3,896.75
2040	$2,786.26	$734.57	$3,520.83	$11,993.01	$397.49	$23.99	$35.98	$3,978.28
2041	$2,907.40	$563.91	$3,471.31	$9,206.76	$405.44	$18.41	$27.62	$3,922.79
2042	$3,028.54	$385.84	$3,414.37	$6,299.36	$413.55	$12.60	$18.90	$3,859.42
2043	$3,270.82	$200.34	$3,471.16	$3,270.82	$421.82	$6.54	$9.81	$3,909.33
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$46,518.35**	**$55,387.80**	**$101,906.15**		**$9,398.70**	**$1,775.45**	**$2,663.18**	**$111,512.86**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613059 **Lot Type:** GARDEN
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,915.01	$1,915.01	$46,518.35	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,768.69	$2,768.69	$46,518.35	$242.28	$93.04	$139.56	$932.59
2016	$726.85	$2,768.69	$3,495.54	$46,518.35	$247.13	$93.04	$139.56	$3,970.62
2017	$726.85	$2,727.80	$3,454.65	$45,791.51	$252.07	$91.58	$137.37	$3,935.68
2018	$726.85	$2,686.92	$3,413.77	$45,064.66	$257.11	$90.13	$135.19	$3,896.20
2019	$847.99	$2,646.03	$3,494.03	$44,337.81	$262.26	$88.68	$133.01	$3,977.97
2020	$847.99	$2,598.33	$3,446.33	$43,489.82	$267.50	$86.98	$130.47	$3,931.27
2021	$969.13	$2,550.64	$3,519.77	$42,641.83	$272.85	$85.28	$127.93	$4,005.83
2022	$969.13	$2,496.12	$3,465.25	$41,672.69	$278.31	$83.35	$125.02	$3,951.92
2023	$1,090.27	$2,441.61	$3,531.88	$40,703.56	$283.87	$81.41	$122.11	$4,019.27
2024	$1,090.27	$2,380.28	$3,470.55	$39,613.29	$289.55	$79.23	$118.84	$3,958.17
2025	$1,090.27	$2,318.95	$3,409.23	$38,523.01	$295.34	$77.05	$115.57	$3,897.18
2026	$1,211.42	$2,257.62	$3,469.04	$37,432.74	$301.25	$74.87	$112.30	$3,957.45
2027	$1,332.56	$2,189.48	$3,522.04	$36,221.32	$307.27	$72.44	$108.66	$4,010.42
2028	$1,332.56	$2,114.53	$3,447.08	$34,888.77	$313.42	$69.78	$104.67	$3,934.95
2029	$1,453.70	$2,034.57	$3,488.27	$33,556.21	$319.69	$67.11	$100.67	$3,975.74
2030	$1,574.84	$1,947.35	$3,522.19	$32,102.51	$326.08	$64.21	$96.31	$4,008.78
2031	$1,574.84	$1,852.86	$3,427.70	$30,527.67	$332.60	$61.06	$91.58	$3,912.94
2032	$1,695.98	$1,758.37	$3,454.35	$28,952.83	$339.25	$57.91	$86.86	$3,938.37
2033	$1,817.12	$1,656.61	$3,473.73	$27,256.85	$346.04	$54.51	$81.77	$3,956.06
2034	$1,938.26	$1,547.58	$3,485.85	$25,439.73	$352.96	$50.88	$76.32	$3,966.01
2035	$2,059.41	$1,431.29	$3,490.69	$23,501.46	$360.02	$47.00	$70.50	$3,968.22
2036	$2,180.55	$1,307.72	$3,488.27	$21,442.05	$367.22	$42.88	$64.33	$3,962.70
2037	$2,301.69	$1,176.89	$3,478.58	$19,261.51	$374.56	$38.52	$57.78	$3,949.45
2038	$2,422.83	$1,038.79	$3,461.62	$16,959.82	$382.06	$33.92	$50.88	$3,928.47
2039	$2,543.97	$890.39	$3,434.36	$14,536.99	$389.70	$29.07	$43.61	$3,896.75
2040	$2,786.26	$734.57	$3,520.83	$11,993.01	$397.49	$23.99	$35.98	$3,978.28
2041	$2,907.40	$563.91	$3,471.31	$9,206.76	$405.44	$18.41	$27.62	$3,922.79
2042	$3,028.54	$385.84	$3,414.37	$6,299.36	$413.55	$12.60	$18.90	$3,859.42
2043	$3,270.82	$200.34	$3,471.16	$3,270.82	$421.82	$6.54	$9.81	$3,909.33
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$46,518.35**	**$55,387.80**	**$101,906.15**		**$9,398.70**	**$1,775.45**	**$2,663.18**	**$111,512.86**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613060 **Lot Type:** GARDEN
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,915.01	$1,915.01	$46,518.35	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,768.69	$2,768.69	$46,518.35	$242.28	$93.04	$139.56	$932.59
2016	$726.85	$2,768.69	$3,495.54	$46,518.35	$247.13	$93.04	$139.56	$3,970.62
2017	$726.85	$2,727.80	$3,454.65	$45,791.51	$252.07	$91.58	$137.37	$3,935.68
2018	$726.85	$2,686.92	$3,413.77	$45,064.66	$257.11	$90.13	$135.19	$3,896.20
2019	$847.99	$2,646.03	$3,494.03	$44,337.81	$262.26	$88.68	$133.01	$3,977.97
2020	$847.99	$2,598.33	$3,446.33	$43,489.82	$267.50	$86.98	$130.47	$3,931.27
2021	$969.13	$2,550.64	$3,519.77	$42,641.83	$272.85	$85.28	$127.93	$4,005.83
2022	$969.13	$2,496.12	$3,465.25	$41,672.69	$278.31	$83.35	$125.02	$3,951.92
2023	$1,090.27	$2,441.61	$3,531.88	$40,703.56	$283.87	$81.41	$122.11	$4,019.27
2024	$1,090.27	$2,380.28	$3,470.55	$39,613.29	$289.55	$79.23	$118.84	$3,958.17
2025	$1,090.27	$2,318.95	$3,409.23	$38,523.01	$295.34	$77.05	$115.57	$3,897.18
2026	$1,211.42	$2,257.62	$3,469.04	$37,432.74	$301.25	$74.87	$112.30	$3,957.45
2027	$1,332.56	$2,189.48	$3,522.04	$36,221.32	$307.27	$72.44	$108.66	$4,010.42
2028	$1,332.56	$2,114.53	$3,447.08	$34,888.77	$313.42	$69.78	$104.67	$3,934.95
2029	$1,453.70	$2,034.57	$3,488.27	$33,556.21	$319.69	$67.11	$100.67	$3,975.74
2030	$1,574.84	$1,947.35	$3,522.19	$32,102.51	$326.08	$64.21	$96.31	$4,008.78
2031	$1,574.84	$1,852.86	$3,427.70	$30,527.67	$332.60	$61.06	$91.58	$3,912.94
2032	$1,695.98	$1,758.37	$3,454.35	$28,952.83	$339.25	$57.91	$86.86	$3,938.37
2033	$1,817.12	$1,656.61	$3,473.73	$27,256.85	$346.04	$54.51	$81.77	$3,956.06
2034	$1,938.26	$1,547.58	$3,485.85	$25,439.73	$352.96	$50.88	$76.32	$3,966.01
2035	$2,059.41	$1,431.29	$3,490.69	$23,501.46	$360.02	$47.00	$70.50	$3,968.22
2036	$2,180.55	$1,307.72	$3,488.27	$21,442.05	$367.22	$42.88	$64.33	$3,962.70
2037	$2,301.69	$1,176.89	$3,478.58	$19,261.51	$374.56	$38.52	$57.78	$3,949.45
2038	$2,422.83	$1,038.79	$3,461.62	$16,959.82	$382.06	$33.92	$50.88	$3,928.47
2039	$2,543.97	$890.39	$3,434.36	$14,536.99	$389.70	$29.07	$43.61	$3,896.75
2040	$2,786.26	$734.57	$3,520.83	$11,993.01	$397.49	$23.99	$35.98	$3,978.28
2041	$2,907.40	$563.91	$3,471.31	$9,206.76	$405.44	$18.41	$27.62	$3,922.79
2042	$3,028.54	$385.84	$3,414.37	$6,299.36	$413.55	$12.60	$18.90	$3,859.42
2043	$3,270.82	$200.34	$3,471.16	$3,270.82	$421.82	$6.54	$9.81	$3,909.33
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$46,518.35**	**$55,387.80**	**$101,906.15**		**$9,398.70**	**$1,775.45**	**$2,663.18**	**$111,512.86**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613061 **Lot Type:** GARDEN
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,915.01	$1,915.01	$46,518.35	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,768.69	$2,768.69	$46,518.35	$242.28	$93.04	$139.56	$932.59
2016	$726.85	$2,768.69	$3,495.54	$46,518.35	$247.13	$93.04	$139.56	$3,970.62
2017	$726.85	$2,727.80	$3,454.65	$45,791.51	$252.07	$91.58	$137.37	$3,935.68
2018	$726.85	$2,686.92	$3,413.77	$45,064.66	$257.11	$90.13	$135.19	$3,896.20
2019	$847.99	$2,646.03	$3,494.03	$44,337.81	$262.26	$88.68	$133.01	$3,977.97
2020	$847.99	$2,598.33	$3,446.33	$43,489.82	$267.50	$86.98	$130.47	$3,931.27
2021	$969.13	$2,550.64	$3,519.77	$42,641.83	$272.85	$85.28	$127.93	$4,005.83
2022	$969.13	$2,496.12	$3,465.25	$41,672.69	$278.31	$83.35	$125.02	$3,951.92
2023	$1,090.27	$2,441.61	$3,531.88	$40,703.56	$283.87	$81.41	$122.11	$4,019.27
2024	$1,090.27	$2,380.28	$3,470.55	$39,613.29	$289.55	$79.23	$118.84	$3,958.17
2025	$1,090.27	$2,318.95	$3,409.23	$38,523.01	$295.34	$77.05	$115.57	$3,897.18
2026	$1,211.42	$2,257.62	$3,469.04	$37,432.74	$301.25	$74.87	$112.30	$3,957.45
2027	$1,332.56	$2,189.48	$3,522.04	$36,221.32	$307.27	$72.44	$108.66	$4,010.42
2028	$1,332.56	$2,114.53	$3,447.08	$34,888.77	$313.42	$69.78	$104.67	$3,934.95
2029	$1,453.70	$2,034.57	$3,488.27	$33,556.21	$319.69	$67.11	$100.67	$3,975.74
2030	$1,574.84	$1,947.35	$3,522.19	$32,102.51	$326.08	$64.21	$96.31	$4,008.78
2031	$1,574.84	$1,852.86	$3,427.70	$30,527.67	$332.60	$61.06	$91.58	$3,912.94
2032	$1,695.98	$1,758.37	$3,454.35	$28,952.83	$339.25	$57.91	$86.86	$3,938.37
2033	$1,817.12	$1,656.61	$3,473.73	$27,256.85	$346.04	$54.51	$81.77	$3,956.06
2034	$1,938.26	$1,547.58	$3,485.85	$25,439.73	$352.96	$50.88	$76.32	$3,966.01
2035	$2,059.41	$1,431.29	$3,490.69	$23,501.46	$360.02	$47.00	$70.50	$3,968.22
2036	$2,180.55	$1,307.72	$3,488.27	$21,442.05	$367.22	$42.88	$64.33	$3,962.70
2037	$2,301.69	$1,176.89	$3,478.58	$19,261.51	$374.56	$38.52	$57.78	$3,949.45
2038	$2,422.83	$1,038.79	$3,461.62	$16,959.82	$382.06	$33.92	$50.88	$3,928.47
2039	$2,543.97	$890.39	$3,434.36	$14,536.99	$389.70	$29.07	$43.61	$3,896.75
2040	$2,786.26	$734.57	$3,520.83	$11,993.01	$397.49	$23.99	$35.98	$3,978.28
2041	$2,907.40	$563.91	$3,471.31	$9,206.76	$405.44	$18.41	$27.62	$3,922.79
2042	$3,028.54	$385.84	$3,414.37	$6,299.36	$413.55	$12.60	$18.90	$3,859.42
2043	$3,270.82	$200.34	$3,471.16	$3,270.82	$421.82	$6.54	$9.81	$3,909.33
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$46,518.35**	**$55,387.80**	**$101,906.15**		**$9,398.70**	**$1,775.45**	**$2,663.18**	**$111,512.86**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613062 **Lot Type:** GARDEN
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,915.01	$1,915.01	$46,518.35	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,768.69	$2,768.69	$46,518.35	$242.28	$93.04	$139.56	$932.59
2016	$726.85	$2,768.69	$3,495.54	$46,518.35	$247.13	$93.04	$139.56	$3,970.62
2017	$726.85	$2,727.80	$3,454.65	$45,791.51	$252.07	$91.58	$137.37	$3,935.68
2018	$726.85	$2,686.92	$3,413.77	$45,064.66	$257.11	$90.13	$135.19	$3,896.20
2019	$847.99	$2,646.03	$3,494.03	$44,337.81	$262.26	$88.68	$133.01	$3,977.97
2020	$847.99	$2,598.33	$3,446.33	$43,489.82	$267.50	$86.98	$130.47	$3,931.27
2021	$969.13	$2,550.64	$3,519.77	$42,641.83	$272.85	$85.28	$127.93	$4,005.83
2022	$969.13	$2,496.12	$3,465.25	$41,672.69	$278.31	$83.35	$125.02	$3,951.92
2023	$1,090.27	$2,441.61	$3,531.88	$40,703.56	$283.87	$81.41	$122.11	$4,019.27
2024	$1,090.27	$2,380.28	$3,470.55	$39,613.29	$289.55	$79.23	$118.84	$3,958.17
2025	$1,090.27	$2,318.95	$3,409.23	$38,523.01	$295.34	$77.05	$115.57	$3,897.18
2026	$1,211.42	$2,257.62	$3,469.04	$37,432.74	$301.25	$74.87	$112.30	$3,957.45
2027	$1,332.56	$2,189.48	$3,522.04	$36,221.32	$307.27	$72.44	$108.66	$4,010.42
2028	$1,332.56	$2,114.53	$3,447.08	$34,888.77	$313.42	$69.78	$104.67	$3,934.95
2029	$1,453.70	$2,034.57	$3,488.27	$33,556.21	$319.69	$67.11	$100.67	$3,975.74
2030	$1,574.84	$1,947.35	$3,522.19	$32,102.51	$326.08	$64.21	$96.31	$4,008.78
2031	$1,574.84	$1,852.86	$3,427.70	$30,527.67	$332.60	$61.06	$91.58	$3,912.94
2032	$1,695.98	$1,758.37	$3,454.35	$28,952.83	$339.25	$57.91	$86.86	$3,938.37
2033	$1,817.12	$1,656.61	$3,473.73	$27,256.85	$346.04	$54.51	$81.77	$3,956.06
2034	$1,938.26	$1,547.58	$3,485.85	$25,439.73	$352.96	$50.88	$76.32	$3,966.01
2035	$2,059.41	$1,431.29	$3,490.69	$23,501.46	$360.02	$47.00	$70.50	$3,968.22
2036	$2,180.55	$1,307.72	$3,488.27	$21,442.05	$367.22	$42.88	$64.33	$3,962.70
2037	$2,301.69	$1,176.89	$3,478.58	$19,261.51	$374.56	$38.52	$57.78	$3,949.45
2038	$2,422.83	$1,038.79	$3,461.62	$16,959.82	$382.06	$33.92	$50.88	$3,928.47
2039	$2,543.97	$890.39	$3,434.36	$14,536.99	$389.70	$29.07	$43.61	$3,896.75
2040	$2,786.26	$734.57	$3,520.83	$11,993.01	$397.49	$23.99	$35.98	$3,978.28
2041	$2,907.40	$563.91	$3,471.31	$9,206.76	$405.44	$18.41	$27.62	$3,922.79
2042	$3,028.54	$385.84	$3,414.37	$6,299.36	$413.55	$12.60	$18.90	$3,859.42
2043	$3,270.82	$200.34	$3,471.16	$3,270.82	$421.82	$6.54	$9.81	$3,909.33
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$46,518.35**	**$55,387.80**	**$101,906.15**		**$9,398.70**	**$1,775.45**	**$2,663.18**	**$111,512.86**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613063 **Lot Type:** GARDEN
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,915.01	$1,915.01	$46,518.35	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,768.69	$2,768.69	$46,518.35	$242.28	$93.04	$139.56	$932.59
2016	$726.85	$2,768.69	$3,495.54	$46,518.35	$247.13	$93.04	$139.56	$3,970.62
2017	$726.85	$2,727.80	$3,454.65	$45,791.51	$252.07	$91.58	$137.37	$3,935.68
2018	$726.85	$2,686.92	$3,413.77	$45,064.66	$257.11	$90.13	$135.19	$3,896.20
2019	$847.99	$2,646.03	$3,494.03	$44,337.81	$262.26	$88.68	$133.01	$3,977.97
2020	$847.99	$2,598.33	$3,446.33	$43,489.82	$267.50	$86.98	$130.47	$3,931.27
2021	$969.13	$2,550.64	$3,519.77	$42,641.83	$272.85	$85.28	$127.93	$4,005.83
2022	$969.13	$2,496.12	$3,465.25	$41,672.69	$278.31	$83.35	$125.02	$3,951.92
2023	$1,090.27	$2,441.61	$3,531.88	$40,703.56	$283.87	$81.41	$122.11	$4,019.27
2024	$1,090.27	$2,380.28	$3,470.55	$39,613.29	$289.55	$79.23	$118.84	$3,958.17
2025	$1,090.27	$2,318.95	$3,409.23	$38,523.01	$295.34	$77.05	$115.57	$3,897.18
2026	$1,211.42	$2,257.62	$3,469.04	$37,432.74	$301.25	$74.87	$112.30	$3,957.45
2027	$1,332.56	$2,189.48	$3,522.04	$36,221.32	$307.27	$72.44	$108.66	$4,010.42
2028	$1,332.56	$2,114.53	$3,447.08	$34,888.77	$313.42	$69.78	$104.67	$3,934.95
2029	$1,453.70	$2,034.57	$3,488.27	$33,556.21	$319.69	$67.11	$100.67	$3,975.74
2030	$1,574.84	$1,947.35	$3,522.19	$32,102.51	$326.08	$64.21	$96.31	$4,008.78
2031	$1,574.84	$1,852.86	$3,427.70	$30,527.67	$332.60	$61.06	$91.58	$3,912.94
2032	$1,695.98	$1,758.37	$3,454.35	$28,952.83	$339.25	$57.91	$86.86	$3,938.37
2033	$1,817.12	$1,656.61	$3,473.73	$27,256.85	$346.04	$54.51	$81.77	$3,956.06
2034	$1,938.26	$1,547.58	$3,485.85	$25,439.73	$352.96	$50.88	$76.32	$3,966.01
2035	$2,059.41	$1,431.29	$3,490.69	$23,501.46	$360.02	$47.00	$70.50	$3,968.22
2036	$2,180.55	$1,307.72	$3,488.27	$21,442.05	$367.22	$42.88	$64.33	$3,962.70
2037	$2,301.69	$1,176.89	$3,478.58	$19,261.51	$374.56	$38.52	$57.78	$3,949.45
2038	$2,422.83	$1,038.79	$3,461.62	$16,959.82	$382.06	$33.92	$50.88	$3,928.47
2039	$2,543.97	$890.39	$3,434.36	$14,536.99	$389.70	$29.07	$43.61	$3,896.75
2040	$2,786.26	$734.57	$3,520.83	$11,993.01	$397.49	$23.99	$35.98	$3,978.28
2041	$2,907.40	$563.91	$3,471.31	$9,206.76	$405.44	$18.41	$27.62	$3,922.79
2042	$3,028.54	$385.84	$3,414.37	$6,299.36	$413.55	$12.60	$18.90	$3,859.42
2043	$3,270.82	$200.34	$3,471.16	$3,270.82	$421.82	$6.54	$9.81	$3,909.33
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$46,518.35**	**$55,387.80**	**$101,906.15**		**$9,398.70**	**$1,775.45**	**$2,663.18**	**$111,512.86**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613064 **Lot Type:** GARDEN
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,915.01	$1,915.01	$46,518.35	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,768.69	$2,768.69	$46,518.35	$242.28	$93.04	$139.56	$932.59
2016	$726.85	$2,768.69	$3,495.54	$46,518.35	$247.13	$93.04	$139.56	$3,970.62
2017	$726.85	$2,727.80	$3,454.65	$45,791.51	$252.07	$91.58	$137.37	$3,935.68
2018	$726.85	$2,686.92	$3,413.77	$45,064.66	$257.11	$90.13	$135.19	$3,896.20
2019	$847.99	$2,646.03	$3,494.03	$44,337.81	$262.26	$88.68	$133.01	$3,977.97
2020	$847.99	$2,598.33	$3,446.33	$43,489.82	$267.50	$86.98	$130.47	$3,931.27
2021	$969.13	$2,550.64	$3,519.77	$42,641.83	$272.85	$85.28	$127.93	$4,005.83
2022	$969.13	$2,496.12	$3,465.25	$41,672.69	$278.31	$83.35	$125.02	$3,951.92
2023	$1,090.27	$2,441.61	$3,531.88	$40,703.56	$283.87	$81.41	$122.11	$4,019.27
2024	$1,090.27	$2,380.28	$3,470.55	$39,613.29	$289.55	$79.23	$118.84	$3,958.17
2025	$1,090.27	$2,318.95	$3,409.23	$38,523.01	$295.34	$77.05	$115.57	$3,897.18
2026	$1,211.42	$2,257.62	$3,469.04	$37,432.74	$301.25	$74.87	$112.30	$3,957.45
2027	$1,332.56	$2,189.48	$3,522.04	$36,221.32	$307.27	$72.44	$108.66	$4,010.42
2028	$1,332.56	$2,114.53	$3,447.08	$34,888.77	$313.42	$69.78	$104.67	$3,934.95
2029	$1,453.70	$2,034.57	$3,488.27	$33,556.21	$319.69	$67.11	$100.67	$3,975.74
2030	$1,574.84	$1,947.35	$3,522.19	$32,102.51	$326.08	$64.21	$96.31	$4,008.78
2031	$1,574.84	$1,852.86	$3,427.70	$30,527.67	$332.60	$61.06	$91.58	$3,912.94
2032	$1,695.98	$1,758.37	$3,454.35	$28,952.83	$339.25	$57.91	$86.86	$3,938.37
2033	$1,817.12	$1,656.61	$3,473.73	$27,256.85	$346.04	$54.51	$81.77	$3,956.06
2034	$1,938.26	$1,547.58	$3,485.85	$25,439.73	$352.96	$50.88	$76.32	$3,966.01
2035	$2,059.41	$1,431.29	$3,490.69	$23,501.46	$360.02	$47.00	$70.50	$3,968.22
2036	$2,180.55	$1,307.72	$3,488.27	$21,442.05	$367.22	$42.88	$64.33	$3,962.70
2037	$2,301.69	$1,176.89	$3,478.58	$19,261.51	$374.56	$38.52	$57.78	$3,949.45
2038	$2,422.83	$1,038.79	$3,461.62	$16,959.82	$382.06	$33.92	$50.88	$3,928.47
2039	$2,543.97	$890.39	$3,434.36	$14,536.99	$389.70	$29.07	$43.61	$3,896.75
2040	$2,786.26	$734.57	$3,520.83	$11,993.01	$397.49	$23.99	$35.98	$3,978.28
2041	$2,907.40	$563.91	$3,471.31	$9,206.76	$405.44	$18.41	$27.62	$3,922.79
2042	$3,028.54	$385.84	$3,414.37	$6,299.36	$413.55	$12.60	$18.90	$3,859.42
2043	$3,270.82	$200.34	$3,471.16	$3,270.82	$421.82	$6.54	$9.81	$3,909.33
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$46,518.35**	**$55,387.80**	**$101,906.15**		**$9,398.70**	**$1,775.45**	**$2,663.18**	**$111,512.86**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613065 **Lot Type:** GARDEN
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,915.01	$1,915.01	$46,518.35	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,768.69	$2,768.69	$46,518.35	$242.28	$93.04	$139.56	$932.59
2016	$726.85	$2,768.69	$3,495.54	$46,518.35	$247.13	$93.04	$139.56	$3,970.62
2017	$726.85	$2,727.80	$3,454.65	$45,791.51	$252.07	$91.58	$137.37	$3,935.68
2018	$726.85	$2,686.92	$3,413.77	$45,064.66	$257.11	$90.13	$135.19	$3,896.20
2019	$847.99	$2,646.03	$3,494.03	$44,337.81	$262.26	$88.68	$133.01	$3,977.97
2020	$847.99	$2,598.33	$3,446.33	$43,489.82	$267.50	$86.98	$130.47	$3,931.27
2021	$969.13	$2,550.64	$3,519.77	$42,641.83	$272.85	$85.28	$127.93	$4,005.83
2022	$969.13	$2,496.12	$3,465.25	$41,672.69	$278.31	$83.35	$125.02	$3,951.92
2023	$1,090.27	$2,441.61	$3,531.88	$40,703.56	$283.87	$81.41	$122.11	$4,019.27
2024	$1,090.27	$2,380.28	$3,470.55	$39,613.29	$289.55	$79.23	$118.84	$3,958.17
2025	$1,090.27	$2,318.95	$3,409.23	$38,523.01	$295.34	$77.05	$115.57	$3,897.18
2026	$1,211.42	$2,257.62	$3,469.04	$37,432.74	$301.25	$74.87	$112.30	$3,957.45
2027	$1,332.56	$2,189.48	$3,522.04	$36,221.32	$307.27	$72.44	$108.66	$4,010.42
2028	$1,332.56	$2,114.53	$3,447.08	$34,888.77	$313.42	$69.78	$104.67	$3,934.95
2029	$1,453.70	$2,034.57	$3,488.27	$33,556.21	$319.69	$67.11	$100.67	$3,975.74
2030	$1,574.84	$1,947.35	$3,522.19	$32,102.51	$326.08	$64.21	$96.31	$4,008.78
2031	$1,574.84	$1,852.86	$3,427.70	$30,527.67	$332.60	$61.06	$91.58	$3,912.94
2032	$1,695.98	$1,758.37	$3,454.35	$28,952.83	$339.25	$57.91	$86.86	$3,938.37
2033	$1,817.12	$1,656.61	$3,473.73	$27,256.85	$346.04	$54.51	$81.77	$3,956.06
2034	$1,938.26	$1,547.58	$3,485.85	$25,439.73	$352.96	$50.88	$76.32	$3,966.01
2035	$2,059.41	$1,431.29	$3,490.69	$23,501.46	$360.02	$47.00	$70.50	$3,968.22
2036	$2,180.55	$1,307.72	$3,488.27	$21,442.05	$367.22	$42.88	$64.33	$3,962.70
2037	$2,301.69	$1,176.89	$3,478.58	$19,261.51	$374.56	$38.52	$57.78	$3,949.45
2038	$2,422.83	$1,038.79	$3,461.62	$16,959.82	$382.06	$33.92	$50.88	$3,928.47
2039	$2,543.97	$890.39	$3,434.36	$14,536.99	$389.70	$29.07	$43.61	$3,896.75
2040	$2,786.26	$734.57	$3,520.83	$11,993.01	$397.49	$23.99	$35.98	$3,978.28
2041	$2,907.40	$563.91	$3,471.31	$9,206.76	$405.44	$18.41	$27.62	$3,922.79
2042	$3,028.54	$385.84	$3,414.37	$6,299.36	$413.55	$12.60	$18.90	$3,859.42
2043	$3,270.82	$200.34	$3,471.16	$3,270.82	$421.82	$6.54	$9.81	$3,909.33
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$46,518.35**	**$55,387.80**	**$101,906.15**		**$9,398.70**	**$1,775.45**	**$2,663.18**	**$111,512.86**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613066 **Lot Type:** GARDEN
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,915.01	$1,915.01	$46,518.35	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,768.69	$2,768.69	$46,518.35	$242.28	$93.04	$139.56	$932.59
2016	$726.85	$2,768.69	$3,495.54	$46,518.35	$247.13	$93.04	$139.56	$3,970.62
2017	$726.85	$2,727.80	$3,454.65	$45,791.51	$252.07	$91.58	$137.37	$3,935.68
2018	$726.85	$2,686.92	$3,413.77	$45,064.66	$257.11	$90.13	$135.19	$3,896.20
2019	$847.99	$2,646.03	$3,494.03	$44,337.81	$262.26	$88.68	$133.01	$3,977.97
2020	$847.99	$2,598.33	$3,446.33	$43,489.82	$267.50	$86.98	$130.47	$3,931.27
2021	$969.13	$2,550.64	$3,519.77	$42,641.83	$272.85	$85.28	$127.93	$4,005.83
2022	$969.13	$2,496.12	$3,465.25	$41,672.69	$278.31	$83.35	$125.02	$3,951.92
2023	$1,090.27	$2,441.61	$3,531.88	$40,703.56	$283.87	$81.41	$122.11	$4,019.27
2024	$1,090.27	$2,380.28	$3,470.55	$39,613.29	$289.55	$79.23	$118.84	$3,958.17
2025	$1,090.27	$2,318.95	$3,409.23	$38,523.01	$295.34	$77.05	$115.57	$3,897.18
2026	$1,211.42	$2,257.62	$3,469.04	$37,432.74	$301.25	$74.87	$112.30	$3,957.45
2027	$1,332.56	$2,189.48	$3,522.04	$36,221.32	$307.27	$72.44	$108.66	$4,010.42
2028	$1,332.56	$2,114.53	$3,447.08	$34,888.77	$313.42	$69.78	$104.67	$3,934.95
2029	$1,453.70	$2,034.57	$3,488.27	$33,556.21	$319.69	$67.11	$100.67	$3,975.74
2030	$1,574.84	$1,947.35	$3,522.19	$32,102.51	$326.08	$64.21	$96.31	$4,008.78
2031	$1,574.84	$1,852.86	$3,427.70	$30,527.67	$332.60	$61.06	$91.58	$3,912.94
2032	$1,695.98	$1,758.37	$3,454.35	$28,952.83	$339.25	$57.91	$86.86	$3,938.37
2033	$1,817.12	$1,656.61	$3,473.73	$27,256.85	$346.04	$54.51	$81.77	$3,956.06
2034	$1,938.26	$1,547.58	$3,485.85	$25,439.73	$352.96	$50.88	$76.32	$3,966.01
2035	$2,059.41	$1,431.29	$3,490.69	$23,501.46	$360.02	$47.00	$70.50	$3,968.22
2036	$2,180.55	$1,307.72	$3,488.27	$21,442.05	$367.22	$42.88	$64.33	$3,962.70
2037	$2,301.69	$1,176.89	$3,478.58	$19,261.51	$374.56	$38.52	$57.78	$3,949.45
2038	$2,422.83	$1,038.79	$3,461.62	$16,959.82	$382.06	$33.92	$50.88	$3,928.47
2039	$2,543.97	$890.39	$3,434.36	$14,536.99	$389.70	$29.07	$43.61	$3,896.75
2040	$2,786.26	$734.57	$3,520.83	$11,993.01	$397.49	$23.99	$35.98	$3,978.28
2041	$2,907.40	$563.91	$3,471.31	$9,206.76	$405.44	$18.41	$27.62	$3,922.79
2042	$3,028.54	$385.84	$3,414.37	$6,299.36	$413.55	$12.60	$18.90	$3,859.42
2043	$3,270.82	$200.34	$3,471.16	$3,270.82	$421.82	$6.54	$9.81	$3,909.33
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$46,518.35**	**$55,387.80**	**$101,906.15**		**$9,398.70**	**$1,775.45**	**$2,663.18**	**$111,512.86**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613067 **Lot Type:** GARDEN
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,915.01	$1,915.01	$46,518.35	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,768.69	$2,768.69	$46,518.35	$242.28	$93.04	$139.56	$932.59
2016	$726.85	$2,768.69	$3,495.54	$46,518.35	$247.13	$93.04	$139.56	$3,970.62
2017	$726.85	$2,727.80	$3,454.65	$45,791.51	$252.07	$91.58	$137.37	$3,935.68
2018	$726.85	$2,686.92	$3,413.77	$45,064.66	$257.11	$90.13	$135.19	$3,896.20
2019	$847.99	$2,646.03	$3,494.03	$44,337.81	$262.26	$88.68	$133.01	$3,977.97
2020	$847.99	$2,598.33	$3,446.33	$43,489.82	$267.50	$86.98	$130.47	$3,931.27
2021	$969.13	$2,550.64	$3,519.77	$42,641.83	$272.85	$85.28	$127.93	$4,005.83
2022	$969.13	$2,496.12	$3,465.25	$41,672.69	$278.31	$83.35	$125.02	$3,951.92
2023	$1,090.27	$2,441.61	$3,531.88	$40,703.56	$283.87	$81.41	$122.11	$4,019.27
2024	$1,090.27	$2,380.28	$3,470.55	$39,613.29	$289.55	$79.23	$118.84	$3,958.17
2025	$1,090.27	$2,318.95	$3,409.23	$38,523.01	$295.34	$77.05	$115.57	$3,897.18
2026	$1,211.42	$2,257.62	$3,469.04	$37,432.74	$301.25	$74.87	$112.30	$3,957.45
2027	$1,332.56	$2,189.48	$3,522.04	$36,221.32	$307.27	$72.44	$108.66	$4,010.42
2028	$1,332.56	$2,114.53	$3,447.08	$34,888.77	$313.42	$69.78	$104.67	$3,934.95
2029	$1,453.70	$2,034.57	$3,488.27	$33,556.21	$319.69	$67.11	$100.67	$3,975.74
2030	$1,574.84	$1,947.35	$3,522.19	$32,102.51	$326.08	$64.21	$96.31	$4,008.78
2031	$1,574.84	$1,852.86	$3,427.70	$30,527.67	$332.60	$61.06	$91.58	$3,912.94
2032	$1,695.98	$1,758.37	$3,454.35	$28,952.83	$339.25	$57.91	$86.86	$3,938.37
2033	$1,817.12	$1,656.61	$3,473.73	$27,256.85	$346.04	$54.51	$81.77	$3,956.06
2034	$1,938.26	$1,547.58	$3,485.85	$25,439.73	$352.96	$50.88	$76.32	$3,966.01
2035	$2,059.41	$1,431.29	$3,490.69	$23,501.46	$360.02	$47.00	$70.50	$3,968.22
2036	$2,180.55	$1,307.72	$3,488.27	$21,442.05	$367.22	$42.88	$64.33	$3,962.70
2037	$2,301.69	$1,176.89	$3,478.58	$19,261.51	$374.56	$38.52	$57.78	$3,949.45
2038	$2,422.83	$1,038.79	$3,461.62	$16,959.82	$382.06	$33.92	$50.88	$3,928.47
2039	$2,543.97	$890.39	$3,434.36	$14,536.99	$389.70	$29.07	$43.61	$3,896.75
2040	$2,786.26	$734.57	$3,520.83	$11,993.01	$397.49	$23.99	$35.98	$3,978.28
2041	$2,907.40	$563.91	$3,471.31	$9,206.76	$405.44	$18.41	$27.62	$3,922.79
2042	$3,028.54	$385.84	$3,414.37	$6,299.36	$413.55	$12.60	$18.90	$3,859.42
2043	$3,270.82	$200.34	$3,471.16	$3,270.82	$421.82	$6.54	$9.81	$3,909.33
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$46,518.35**	**$55,387.80**	**$101,906.15**		**$9,398.70**	**$1,775.45**	**$2,663.18**	**$111,512.86**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613068 **Lot Type:** GARDEN
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,915.01	$1,915.01	$46,518.35	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,768.69	$2,768.69	$46,518.35	$242.28	$93.04	$139.56	$932.59
2016	$726.85	$2,768.69	$3,495.54	$46,518.35	$247.13	$93.04	$139.56	$3,970.62
2017	$726.85	$2,727.80	$3,454.65	$45,791.51	$252.07	$91.58	$137.37	$3,935.68
2018	$726.85	$2,686.92	$3,413.77	$45,064.66	$257.11	$90.13	$135.19	$3,896.20
2019	$847.99	$2,646.03	$3,494.03	$44,337.81	$262.26	$88.68	$133.01	$3,977.97
2020	$847.99	$2,598.33	$3,446.33	$43,489.82	$267.50	$86.98	$130.47	$3,931.27
2021	$969.13	$2,550.64	$3,519.77	$42,641.83	$272.85	$85.28	$127.93	$4,005.83
2022	$969.13	$2,496.12	$3,465.25	$41,672.69	$278.31	$83.35	$125.02	$3,951.92
2023	$1,090.27	$2,441.61	$3,531.88	$40,703.56	$283.87	$81.41	$122.11	$4,019.27
2024	$1,090.27	$2,380.28	$3,470.55	$39,613.29	$289.55	$79.23	$118.84	$3,958.17
2025	$1,090.27	$2,318.95	$3,409.23	$38,523.01	$295.34	$77.05	$115.57	$3,897.18
2026	$1,211.42	$2,257.62	$3,469.04	$37,432.74	$301.25	$74.87	$112.30	$3,957.45
2027	$1,332.56	$2,189.48	$3,522.04	$36,221.32	$307.27	$72.44	$108.66	$4,010.42
2028	$1,332.56	$2,114.53	$3,447.08	$34,888.77	$313.42	$69.78	$104.67	$3,934.95
2029	$1,453.70	$2,034.57	$3,488.27	$33,556.21	$319.69	$67.11	$100.67	$3,975.74
2030	$1,574.84	$1,947.35	$3,522.19	$32,102.51	$326.08	$64.21	$96.31	$4,008.78
2031	$1,574.84	$1,852.86	$3,427.70	$30,527.67	$332.60	$61.06	$91.58	$3,912.94
2032	$1,695.98	$1,758.37	$3,454.35	$28,952.83	$339.25	$57.91	$86.86	$3,938.37
2033	$1,817.12	$1,656.61	$3,473.73	$27,256.85	$346.04	$54.51	$81.77	$3,956.06
2034	$1,938.26	$1,547.58	$3,485.85	$25,439.73	$352.96	$50.88	$76.32	$3,966.01
2035	$2,059.41	$1,431.29	$3,490.69	$23,501.46	$360.02	$47.00	$70.50	$3,968.22
2036	$2,180.55	$1,307.72	$3,488.27	$21,442.05	$367.22	$42.88	$64.33	$3,962.70
2037	$2,301.69	$1,176.89	$3,478.58	$19,261.51	$374.56	$38.52	$57.78	$3,949.45
2038	$2,422.83	$1,038.79	$3,461.62	$16,959.82	$382.06	$33.92	$50.88	$3,928.47
2039	$2,543.97	$890.39	$3,434.36	$14,536.99	$389.70	$29.07	$43.61	$3,896.75
2040	$2,786.26	$734.57	$3,520.83	$11,993.01	$397.49	$23.99	$35.98	$3,978.28
2041	$2,907.40	$563.91	$3,471.31	$9,206.76	$405.44	$18.41	$27.62	$3,922.79
2042	$3,028.54	$385.84	$3,414.37	$6,299.36	$413.55	$12.60	$18.90	$3,859.42
2043	$3,270.82	$200.34	$3,471.16	$3,270.82	$421.82	$6.54	$9.81	$3,909.33
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$46,518.35**	**$55,387.80**	**$101,906.15**		**$9,398.70**	**$1,775.45**	**$2,663.18**	**$111,512.86**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613069 **Lot Type:** GARDEN
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,915.01	$1,915.01	$46,518.35	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,768.69	$2,768.69	$46,518.35	$242.28	$93.04	$139.56	$932.59
2016	$726.85	$2,768.69	$3,495.54	$46,518.35	$247.13	$93.04	$139.56	$3,970.62
2017	$726.85	$2,727.80	$3,454.65	$45,791.51	$252.07	$91.58	$137.37	$3,935.68
2018	$726.85	$2,686.92	$3,413.77	$45,064.66	$257.11	$90.13	$135.19	$3,896.20
2019	$847.99	$2,646.03	$3,494.03	$44,337.81	$262.26	$88.68	$133.01	$3,977.97
2020	$847.99	$2,598.33	$3,446.33	$43,489.82	$267.50	$86.98	$130.47	$3,931.27
2021	$969.13	$2,550.64	$3,519.77	$42,641.83	$272.85	$85.28	$127.93	$4,005.83
2022	$969.13	$2,496.12	$3,465.25	$41,672.69	$278.31	$83.35	$125.02	$3,951.92
2023	$1,090.27	$2,441.61	$3,531.88	$40,703.56	$283.87	$81.41	$122.11	$4,019.27
2024	$1,090.27	$2,380.28	$3,470.55	$39,613.29	$289.55	$79.23	$118.84	$3,958.17
2025	$1,090.27	$2,318.95	$3,409.23	$38,523.01	$295.34	$77.05	$115.57	$3,897.18
2026	$1,211.42	$2,257.62	$3,469.04	$37,432.74	$301.25	$74.87	$112.30	$3,957.45
2027	$1,332.56	$2,189.48	$3,522.04	$36,221.32	$307.27	$72.44	$108.66	$4,010.42
2028	$1,332.56	$2,114.53	$3,447.08	$34,888.77	$313.42	$69.78	$104.67	$3,934.95
2029	$1,453.70	$2,034.57	$3,488.27	$33,556.21	$319.69	$67.11	$100.67	$3,975.74
2030	$1,574.84	$1,947.35	$3,522.19	$32,102.51	$326.08	$64.21	$96.31	$4,008.78
2031	$1,574.84	$1,852.86	$3,427.70	$30,527.67	$332.60	$61.06	$91.58	$3,912.94
2032	$1,695.98	$1,758.37	$3,454.35	$28,952.83	$339.25	$57.91	$86.86	$3,938.37
2033	$1,817.12	$1,656.61	$3,473.73	$27,256.85	$346.04	$54.51	$81.77	$3,956.06
2034	$1,938.26	$1,547.58	$3,485.85	$25,439.73	$352.96	$50.88	$76.32	$3,966.01
2035	$2,059.41	$1,431.29	$3,490.69	$23,501.46	$360.02	$47.00	$70.50	$3,968.22
2036	$2,180.55	$1,307.72	$3,488.27	$21,442.05	$367.22	$42.88	$64.33	$3,962.70
2037	$2,301.69	$1,176.89	$3,478.58	$19,261.51	$374.56	$38.52	$57.78	$3,949.45
2038	$2,422.83	$1,038.79	$3,461.62	$16,959.82	$382.06	$33.92	$50.88	$3,928.47
2039	$2,543.97	$890.39	$3,434.36	$14,536.99	$389.70	$29.07	$43.61	$3,896.75
2040	$2,786.26	$734.57	$3,520.83	$11,993.01	$397.49	$23.99	$35.98	$3,978.28
2041	$2,907.40	$563.91	$3,471.31	$9,206.76	$405.44	$18.41	$27.62	$3,922.79
2042	$3,028.54	$385.84	$3,414.37	$6,299.36	$413.55	$12.60	$18.90	$3,859.42
2043	$3,270.82	$200.34	$3,471.16	$3,270.82	$421.82	$6.54	$9.81	$3,909.33
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$46,518.35**	**$55,387.80**	**$101,906.15**		**$9,398.70**	**$1,775.45**	**$2,663.18**	**$111,512.86**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613070 **Lot Type:** GARDEN
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,915.01	$1,915.01	$46,518.35	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,768.69	$2,768.69	$46,518.35	$242.28	$93.04	$139.56	$932.59
2016	$726.85	$2,768.69	$3,495.54	$46,518.35	$247.13	$93.04	$139.56	$3,970.62
2017	$726.85	$2,727.80	$3,454.65	$45,791.51	$252.07	$91.58	$137.37	$3,935.68
2018	$726.85	$2,686.92	$3,413.77	$45,064.66	$257.11	$90.13	$135.19	$3,896.20
2019	$847.99	$2,646.03	$3,494.03	$44,337.81	$262.26	$88.68	$133.01	$3,977.97
2020	$847.99	$2,598.33	$3,446.33	$43,489.82	$267.50	$86.98	$130.47	$3,931.27
2021	$969.13	$2,550.64	$3,519.77	$42,641.83	$272.85	$85.28	$127.93	$4,005.83
2022	$969.13	$2,496.12	$3,465.25	$41,672.69	$278.31	$83.35	$125.02	$3,951.92
2023	$1,090.27	$2,441.61	$3,531.88	$40,703.56	$283.87	$81.41	$122.11	$4,019.27
2024	$1,090.27	$2,380.28	$3,470.55	$39,613.29	$289.55	$79.23	$118.84	$3,958.17
2025	$1,090.27	$2,318.95	$3,409.23	$38,523.01	$295.34	$77.05	$115.57	$3,897.18
2026	$1,211.42	$2,257.62	$3,469.04	$37,432.74	$301.25	$74.87	$112.30	$3,957.45
2027	$1,332.56	$2,189.48	$3,522.04	$36,221.32	$307.27	$72.44	$108.66	$4,010.42
2028	$1,332.56	$2,114.53	$3,447.08	$34,888.77	$313.42	$69.78	$104.67	$3,934.95
2029	$1,453.70	$2,034.57	$3,488.27	$33,556.21	$319.69	$67.11	$100.67	$3,975.74
2030	$1,574.84	$1,947.35	$3,522.19	$32,102.51	$326.08	$64.21	$96.31	$4,008.78
2031	$1,574.84	$1,852.86	$3,427.70	$30,527.67	$332.60	$61.06	$91.58	$3,912.94
2032	$1,695.98	$1,758.37	$3,454.35	$28,952.83	$339.25	$57.91	$86.86	$3,938.37
2033	$1,817.12	$1,656.61	$3,473.73	$27,256.85	$346.04	$54.51	$81.77	$3,956.06
2034	$1,938.26	$1,547.58	$3,485.85	$25,439.73	$352.96	$50.88	$76.32	$3,966.01
2035	$2,059.41	$1,431.29	$3,490.69	$23,501.46	$360.02	$47.00	$70.50	$3,968.22
2036	$2,180.55	$1,307.72	$3,488.27	$21,442.05	$367.22	$42.88	$64.33	$3,962.70
2037	$2,301.69	$1,176.89	$3,478.58	$19,261.51	$374.56	$38.52	$57.78	$3,949.45
2038	$2,422.83	$1,038.79	$3,461.62	$16,959.82	$382.06	$33.92	$50.88	$3,928.47
2039	$2,543.97	$890.39	$3,434.36	$14,536.99	$389.70	$29.07	$43.61	$3,896.75
2040	$2,786.26	$734.57	$3,520.83	$11,993.01	$397.49	$23.99	$35.98	$3,978.28
2041	$2,907.40	$563.91	$3,471.31	$9,206.76	$405.44	$18.41	$27.62	$3,922.79
2042	$3,028.54	$385.84	$3,414.37	$6,299.36	$413.55	$12.60	$18.90	$3,859.42
2043	$3,270.82	$200.34	$3,471.16	$3,270.82	$421.82	$6.54	$9.81	$3,909.33
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$46,518.35**	**$55,387.80**	**$101,906.15**		**$9,398.70**	**$1,775.45**	**$2,663.18**	**$111,512.86**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613071 **Lot Type:** GARDEN
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,915.01	$1,915.01	$46,518.35	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,768.69	$2,768.69	$46,518.35	$242.28	$93.04	$139.56	$932.59
2016	$726.85	$2,768.69	$3,495.54	$46,518.35	$247.13	$93.04	$139.56	$3,970.62
2017	$726.85	$2,727.80	$3,454.65	$45,791.51	$252.07	$91.58	$137.37	$3,935.68
2018	$726.85	$2,686.92	$3,413.77	$45,064.66	$257.11	$90.13	$135.19	$3,896.20
2019	$847.99	$2,646.03	$3,494.03	$44,337.81	$262.26	$88.68	$133.01	$3,977.97
2020	$847.99	$2,598.33	$3,446.33	$43,489.82	$267.50	$86.98	$130.47	$3,931.27
2021	$969.13	$2,550.64	$3,519.77	$42,641.83	$272.85	$85.28	$127.93	$4,005.83
2022	$969.13	$2,496.12	$3,465.25	$41,672.69	$278.31	$83.35	$125.02	$3,951.92
2023	$1,090.27	$2,441.61	$3,531.88	$40,703.56	$283.87	$81.41	$122.11	$4,019.27
2024	$1,090.27	$2,380.28	$3,470.55	$39,613.29	$289.55	$79.23	$118.84	$3,958.17
2025	$1,090.27	$2,318.95	$3,409.23	$38,523.01	$295.34	$77.05	$115.57	$3,897.18
2026	$1,211.42	$2,257.62	$3,469.04	$37,432.74	$301.25	$74.87	$112.30	$3,957.45
2027	$1,332.56	$2,189.48	$3,522.04	$36,221.32	$307.27	$72.44	$108.66	$4,010.42
2028	$1,332.56	$2,114.53	$3,447.08	$34,888.77	$313.42	$69.78	$104.67	$3,934.95
2029	$1,453.70	$2,034.57	$3,488.27	$33,556.21	$319.69	$67.11	$100.67	$3,975.74
2030	$1,574.84	$1,947.35	$3,522.19	$32,102.51	$326.08	$64.21	$96.31	$4,008.78
2031	$1,574.84	$1,852.86	$3,427.70	$30,527.67	$332.60	$61.06	$91.58	$3,912.94
2032	$1,695.98	$1,758.37	$3,454.35	$28,952.83	$339.25	$57.91	$86.86	$3,938.37
2033	$1,817.12	$1,656.61	$3,473.73	$27,256.85	$346.04	$54.51	$81.77	$3,956.06
2034	$1,938.26	$1,547.58	$3,485.85	$25,439.73	$352.96	$50.88	$76.32	$3,966.01
2035	$2,059.41	$1,431.29	$3,490.69	$23,501.46	$360.02	$47.00	$70.50	$3,968.22
2036	$2,180.55	$1,307.72	$3,488.27	$21,442.05	$367.22	$42.88	$64.33	$3,962.70
2037	$2,301.69	$1,176.89	$3,478.58	$19,261.51	$374.56	$38.52	$57.78	$3,949.45
2038	$2,422.83	$1,038.79	$3,461.62	$16,959.82	$382.06	$33.92	$50.88	$3,928.47
2039	$2,543.97	$890.39	$3,434.36	$14,536.99	$389.70	$29.07	$43.61	$3,896.75
2040	$2,786.26	$734.57	$3,520.83	$11,993.01	$397.49	$23.99	$35.98	$3,978.28
2041	$2,907.40	$563.91	$3,471.31	$9,206.76	$405.44	$18.41	$27.62	$3,922.79
2042	$3,028.54	$385.84	$3,414.37	$6,299.36	$413.55	$12.60	$18.90	$3,859.42
2043	$3,270.82	$200.34	$3,471.16	$3,270.82	$421.82	$6.54	$9.81	$3,909.33
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$46,518.35**	**$55,387.80**	**$101,906.15**		**$9,398.70**	**$1,775.45**	**$2,663.18**	**$111,512.86**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613072 **Lot Type:** GARDEN
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,915.01	$1,915.01	$46,518.35	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,768.69	$2,768.69	$46,518.35	$242.28	$93.04	$139.56	$932.59
2016	$726.85	$2,768.69	$3,495.54	$46,518.35	$247.13	$93.04	$139.56	$3,970.62
2017	$726.85	$2,727.80	$3,454.65	$45,791.51	$252.07	$91.58	$137.37	$3,935.68
2018	$726.85	$2,686.92	$3,413.77	$45,064.66	$257.11	$90.13	$135.19	$3,896.20
2019	$847.99	$2,646.03	$3,494.03	$44,337.81	$262.26	$88.68	$133.01	$3,977.97
2020	$847.99	$2,598.33	$3,446.33	$43,489.82	$267.50	$86.98	$130.47	$3,931.27
2021	$969.13	$2,550.64	$3,519.77	$42,641.83	$272.85	$85.28	$127.93	$4,005.83
2022	$969.13	$2,496.12	$3,465.25	$41,672.69	$278.31	$83.35	$125.02	$3,951.92
2023	$1,090.27	$2,441.61	$3,531.88	$40,703.56	$283.87	$81.41	$122.11	$4,019.27
2024	$1,090.27	$2,380.28	$3,470.55	$39,613.29	$289.55	$79.23	$118.84	$3,958.17
2025	$1,090.27	$2,318.95	$3,409.23	$38,523.01	$295.34	$77.05	$115.57	$3,897.18
2026	$1,211.42	$2,257.62	$3,469.04	$37,432.74	$301.25	$74.87	$112.30	$3,957.45
2027	$1,332.56	$2,189.48	$3,522.04	$36,221.32	$307.27	$72.44	$108.66	$4,010.42
2028	$1,332.56	$2,114.53	$3,447.08	$34,888.77	$313.42	$69.78	$104.67	$3,934.95
2029	$1,453.70	$2,034.57	$3,488.27	$33,556.21	$319.69	$67.11	$100.67	$3,975.74
2030	$1,574.84	$1,947.35	$3,522.19	$32,102.51	$326.08	$64.21	$96.31	$4,008.78
2031	$1,574.84	$1,852.86	$3,427.70	$30,527.67	$332.60	$61.06	$91.58	$3,912.94
2032	$1,695.98	$1,758.37	$3,454.35	$28,952.83	$339.25	$57.91	$86.86	$3,938.37
2033	$1,817.12	$1,656.61	$3,473.73	$27,256.85	$346.04	$54.51	$81.77	$3,956.06
2034	$1,938.26	$1,547.58	$3,485.85	$25,439.73	$352.96	$50.88	$76.32	$3,966.01
2035	$2,059.41	$1,431.29	$3,490.69	$23,501.46	$360.02	$47.00	$70.50	$3,968.22
2036	$2,180.55	$1,307.72	$3,488.27	$21,442.05	$367.22	$42.88	$64.33	$3,962.70
2037	$2,301.69	$1,176.89	$3,478.58	$19,261.51	$374.56	$38.52	$57.78	$3,949.45
2038	$2,422.83	$1,038.79	$3,461.62	$16,959.82	$382.06	$33.92	$50.88	$3,928.47
2039	$2,543.97	$890.39	$3,434.36	$14,536.99	$389.70	$29.07	$43.61	$3,896.75
2040	$2,786.26	$734.57	$3,520.83	$11,993.01	$397.49	$23.99	$35.98	$3,978.28
2041	$2,907.40	$563.91	$3,471.31	$9,206.76	$405.44	$18.41	$27.62	$3,922.79
2042	$3,028.54	$385.84	$3,414.37	$6,299.36	$413.55	$12.60	$18.90	$3,859.42
2043	$3,270.82	$200.34	$3,471.16	$3,270.82	$421.82	$6.54	$9.81	$3,909.33
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$46,518.35**	**$55,387.80**	**$101,906.15**		**$9,398.70**	**$1,775.45**	**$2,663.18**	**$111,512.86**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613073 **Lot Type:** GARDEN
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,915.01	$1,915.01	$46,518.35	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,768.69	$2,768.69	$46,518.35	$242.28	$93.04	$139.56	$932.59
2016	$726.85	$2,768.69	$3,495.54	$46,518.35	$247.13	$93.04	$139.56	$3,970.62
2017	$726.85	$2,727.80	$3,454.65	$45,791.51	$252.07	$91.58	$137.37	$3,935.68
2018	$726.85	$2,686.92	$3,413.77	$45,064.66	$257.11	$90.13	$135.19	$3,896.20
2019	$847.99	$2,646.03	$3,494.03	$44,337.81	$262.26	$88.68	$133.01	$3,977.97
2020	$847.99	$2,598.33	$3,446.33	$43,489.82	$267.50	$86.98	$130.47	$3,931.27
2021	$969.13	$2,550.64	$3,519.77	$42,641.83	$272.85	$85.28	$127.93	$4,005.83
2022	$969.13	$2,496.12	$3,465.25	$41,672.69	$278.31	$83.35	$125.02	$3,951.92
2023	$1,090.27	$2,441.61	$3,531.88	$40,703.56	$283.87	$81.41	$122.11	$4,019.27
2024	$1,090.27	$2,380.28	$3,470.55	$39,613.29	$289.55	$79.23	$118.84	$3,958.17
2025	$1,090.27	$2,318.95	$3,409.23	$38,523.01	$295.34	$77.05	$115.57	$3,897.18
2026	$1,211.42	$2,257.62	$3,469.04	$37,432.74	$301.25	$74.87	$112.30	$3,957.45
2027	$1,332.56	$2,189.48	$3,522.04	$36,221.32	$307.27	$72.44	$108.66	$4,010.42
2028	$1,332.56	$2,114.53	$3,447.08	$34,888.77	$313.42	$69.78	$104.67	$3,934.95
2029	$1,453.70	$2,034.57	$3,488.27	$33,556.21	$319.69	$67.11	$100.67	$3,975.74
2030	$1,574.84	$1,947.35	$3,522.19	$32,102.51	$326.08	$64.21	$96.31	$4,008.78
2031	$1,574.84	$1,852.86	$3,427.70	$30,527.67	$332.60	$61.06	$91.58	$3,912.94
2032	$1,695.98	$1,758.37	$3,454.35	$28,952.83	$339.25	$57.91	$86.86	$3,938.37
2033	$1,817.12	$1,656.61	$3,473.73	$27,256.85	$346.04	$54.51	$81.77	$3,956.06
2034	$1,938.26	$1,547.58	$3,485.85	$25,439.73	$352.96	$50.88	$76.32	$3,966.01
2035	$2,059.41	$1,431.29	$3,490.69	$23,501.46	$360.02	$47.00	$70.50	$3,968.22
2036	$2,180.55	$1,307.72	$3,488.27	$21,442.05	$367.22	$42.88	$64.33	$3,962.70
2037	$2,301.69	$1,176.89	$3,478.58	$19,261.51	$374.56	$38.52	$57.78	$3,949.45
2038	$2,422.83	$1,038.79	$3,461.62	$16,959.82	$382.06	$33.92	$50.88	$3,928.47
2039	$2,543.97	$890.39	$3,434.36	$14,536.99	$389.70	$29.07	$43.61	$3,896.75
2040	$2,786.26	$734.57	$3,520.83	$11,993.01	$397.49	$23.99	$35.98	$3,978.28
2041	$2,907.40	$563.91	$3,471.31	$9,206.76	$405.44	$18.41	$27.62	$3,922.79
2042	$3,028.54	$385.84	$3,414.37	$6,299.36	$413.55	$12.60	$18.90	$3,859.42
2043	$3,270.82	$200.34	$3,471.16	$3,270.82	$421.82	$6.54	$9.81	$3,909.33
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$46,518.35**	**$55,387.80**	**$101,906.15**		**$9,398.70**	**$1,775.45**	**$2,663.18**	**$111,512.86**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613074 **Lot Type:** GARDEN
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,915.01	$1,915.01	$46,518.35	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,768.69	$2,768.69	$46,518.35	$242.28	$93.04	$139.56	$932.59
2016	$726.85	$2,768.69	$3,495.54	$46,518.35	$247.13	$93.04	$139.56	$3,970.62
2017	$726.85	$2,727.80	$3,454.65	$45,791.51	$252.07	$91.58	$137.37	$3,935.68
2018	$726.85	$2,686.92	$3,413.77	$45,064.66	$257.11	$90.13	$135.19	$3,896.20
2019	$847.99	$2,646.03	$3,494.03	$44,337.81	$262.26	$88.68	$133.01	$3,977.97
2020	$847.99	$2,598.33	$3,446.33	$43,489.82	$267.50	$86.98	$130.47	$3,931.27
2021	$969.13	$2,550.64	$3,519.77	$42,641.83	$272.85	$85.28	$127.93	$4,005.83
2022	$969.13	$2,496.12	$3,465.25	$41,672.69	$278.31	$83.35	$125.02	$3,951.92
2023	$1,090.27	$2,441.61	$3,531.88	$40,703.56	$283.87	$81.41	$122.11	$4,019.27
2024	$1,090.27	$2,380.28	$3,470.55	$39,613.29	$289.55	$79.23	$118.84	$3,958.17
2025	$1,090.27	$2,318.95	$3,409.23	$38,523.01	$295.34	$77.05	$115.57	$3,897.18
2026	$1,211.42	$2,257.62	$3,469.04	$37,432.74	$301.25	$74.87	$112.30	$3,957.45
2027	$1,332.56	$2,189.48	$3,522.04	$36,221.32	$307.27	$72.44	$108.66	$4,010.42
2028	$1,332.56	$2,114.53	$3,447.08	$34,888.77	$313.42	$69.78	$104.67	$3,934.95
2029	$1,453.70	$2,034.57	$3,488.27	$33,556.21	$319.69	$67.11	$100.67	$3,975.74
2030	$1,574.84	$1,947.35	$3,522.19	$32,102.51	$326.08	$64.21	$96.31	$4,008.78
2031	$1,574.84	$1,852.86	$3,427.70	$30,527.67	$332.60	$61.06	$91.58	$3,912.94
2032	$1,695.98	$1,758.37	$3,454.35	$28,952.83	$339.25	$57.91	$86.86	$3,938.37
2033	$1,817.12	$1,656.61	$3,473.73	$27,256.85	$346.04	$54.51	$81.77	$3,956.06
2034	$1,938.26	$1,547.58	$3,485.85	$25,439.73	$352.96	$50.88	$76.32	$3,966.01
2035	$2,059.41	$1,431.29	$3,490.69	$23,501.46	$360.02	$47.00	$70.50	$3,968.22
2036	$2,180.55	$1,307.72	$3,488.27	$21,442.05	$367.22	$42.88	$64.33	$3,962.70
2037	$2,301.69	$1,176.89	$3,478.58	$19,261.51	$374.56	$38.52	$57.78	$3,949.45
2038	$2,422.83	$1,038.79	$3,461.62	$16,959.82	$382.06	$33.92	$50.88	$3,928.47
2039	$2,543.97	$890.39	$3,434.36	$14,536.99	$389.70	$29.07	$43.61	$3,896.75
2040	$2,786.26	$734.57	$3,520.83	$11,993.01	$397.49	$23.99	$35.98	$3,978.28
2041	$2,907.40	$563.91	$3,471.31	$9,206.76	$405.44	$18.41	$27.62	$3,922.79
2042	$3,028.54	$385.84	$3,414.37	$6,299.36	$413.55	$12.60	$18.90	$3,859.42
2043	$3,270.82	$200.34	$3,471.16	$3,270.82	$421.82	$6.54	$9.81	$3,909.33
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$46,518.35**	**$55,387.80**	**$101,906.15**		**$9,398.70**	**$1,775.45**	**$2,663.18**	**$111,512.86**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613075 **Lot Type:** GARDEN
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,915.01	$1,915.01	$46,518.35	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,768.69	$2,768.69	$46,518.35	$242.28	$93.04	$139.56	$932.59
2016	$726.85	$2,768.69	$3,495.54	$46,518.35	$247.13	$93.04	$139.56	$3,970.62
2017	$726.85	$2,727.80	$3,454.65	$45,791.51	$252.07	$91.58	$137.37	$3,935.68
2018	$726.85	$2,686.92	$3,413.77	$45,064.66	$257.11	$90.13	$135.19	$3,896.20
2019	$847.99	$2,646.03	$3,494.03	$44,337.81	$262.26	$88.68	$133.01	$3,977.97
2020	$847.99	$2,598.33	$3,446.33	$43,489.82	$267.50	$86.98	$130.47	$3,931.27
2021	$969.13	$2,550.64	$3,519.77	$42,641.83	$272.85	$85.28	$127.93	$4,005.83
2022	$969.13	$2,496.12	$3,465.25	$41,672.69	$278.31	$83.35	$125.02	$3,951.92
2023	$1,090.27	$2,441.61	$3,531.88	$40,703.56	$283.87	$81.41	$122.11	$4,019.27
2024	$1,090.27	$2,380.28	$3,470.55	$39,613.29	$289.55	$79.23	$118.84	$3,958.17
2025	$1,090.27	$2,318.95	$3,409.23	$38,523.01	$295.34	$77.05	$115.57	$3,897.18
2026	$1,211.42	$2,257.62	$3,469.04	$37,432.74	$301.25	$74.87	$112.30	$3,957.45
2027	$1,332.56	$2,189.48	$3,522.04	$36,221.32	$307.27	$72.44	$108.66	$4,010.42
2028	$1,332.56	$2,114.53	$3,447.08	$34,888.77	$313.42	$69.78	$104.67	$3,934.95
2029	$1,453.70	$2,034.57	$3,488.27	$33,556.21	$319.69	$67.11	$100.67	$3,975.74
2030	$1,574.84	$1,947.35	$3,522.19	$32,102.51	$326.08	$64.21	$96.31	$4,008.78
2031	$1,574.84	$1,852.86	$3,427.70	$30,527.67	$332.60	$61.06	$91.58	$3,912.94
2032	$1,695.98	$1,758.37	$3,454.35	$28,952.83	$339.25	$57.91	$86.86	$3,938.37
2033	$1,817.12	$1,656.61	$3,473.73	$27,256.85	$346.04	$54.51	$81.77	$3,956.06
2034	$1,938.26	$1,547.58	$3,485.85	$25,439.73	$352.96	$50.88	$76.32	$3,966.01
2035	$2,059.41	$1,431.29	$3,490.69	$23,501.46	$360.02	$47.00	$70.50	$3,968.22
2036	$2,180.55	$1,307.72	$3,488.27	$21,442.05	$367.22	$42.88	$64.33	$3,962.70
2037	$2,301.69	$1,176.89	$3,478.58	$19,261.51	$374.56	$38.52	$57.78	$3,949.45
2038	$2,422.83	$1,038.79	$3,461.62	$16,959.82	$382.06	$33.92	$50.88	$3,928.47
2039	$2,543.97	$890.39	$3,434.36	$14,536.99	$389.70	$29.07	$43.61	$3,896.75
2040	$2,786.26	$734.57	$3,520.83	$11,993.01	$397.49	$23.99	$35.98	$3,978.28
2041	$2,907.40	$563.91	$3,471.31	$9,206.76	$405.44	$18.41	$27.62	$3,922.79
2042	$3,028.54	$385.84	$3,414.37	$6,299.36	$413.55	$12.60	$18.90	$3,859.42
2043	$3,270.82	$200.34	$3,471.16	$3,270.82	$421.82	$6.54	$9.81	$3,909.33
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$46,518.35**	**$55,387.80**	**$101,906.15**		**$9,398.70**	**$1,775.45**	**$2,663.18**	**$111,512.86**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613076 **Lot Type:** GARDEN
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,915.01	$1,915.01	$46,518.35	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,768.69	$2,768.69	$46,518.35	$242.28	$93.04	$139.56	$932.59
2016	$726.85	$2,768.69	$3,495.54	$46,518.35	$247.13	$93.04	$139.56	$3,970.62
2017	$726.85	$2,727.80	$3,454.65	$45,791.51	$252.07	$91.58	$137.37	$3,935.68
2018	$726.85	$2,686.92	$3,413.77	$45,064.66	$257.11	$90.13	$135.19	$3,896.20
2019	$847.99	$2,646.03	$3,494.03	$44,337.81	$262.26	$88.68	$133.01	$3,977.97
2020	$847.99	$2,598.33	$3,446.33	$43,489.82	$267.50	$86.98	$130.47	$3,931.27
2021	$969.13	$2,550.64	$3,519.77	$42,641.83	$272.85	$85.28	$127.93	$4,005.83
2022	$969.13	$2,496.12	$3,465.25	$41,672.69	$278.31	$83.35	$125.02	$3,951.92
2023	$1,090.27	$2,441.61	$3,531.88	$40,703.56	$283.87	$81.41	$122.11	$4,019.27
2024	$1,090.27	$2,380.28	$3,470.55	$39,613.29	$289.55	$79.23	$118.84	$3,958.17
2025	$1,090.27	$2,318.95	$3,409.23	$38,523.01	$295.34	$77.05	$115.57	$3,897.18
2026	$1,211.42	$2,257.62	$3,469.04	$37,432.74	$301.25	$74.87	$112.30	$3,957.45
2027	$1,332.56	$2,189.48	$3,522.04	$36,221.32	$307.27	$72.44	$108.66	$4,010.42
2028	$1,332.56	$2,114.53	$3,447.08	$34,888.77	$313.42	$69.78	$104.67	$3,934.95
2029	$1,453.70	$2,034.57	$3,488.27	$33,556.21	$319.69	$67.11	$100.67	$3,975.74
2030	$1,574.84	$1,947.35	$3,522.19	$32,102.51	$326.08	$64.21	$96.31	$4,008.78
2031	$1,574.84	$1,852.86	$3,427.70	$30,527.67	$332.60	$61.06	$91.58	$3,912.94
2032	$1,695.98	$1,758.37	$3,454.35	$28,952.83	$339.25	$57.91	$86.86	$3,938.37
2033	$1,817.12	$1,656.61	$3,473.73	$27,256.85	$346.04	$54.51	$81.77	$3,956.06
2034	$1,938.26	$1,547.58	$3,485.85	$25,439.73	$352.96	$50.88	$76.32	$3,966.01
2035	$2,059.41	$1,431.29	$3,490.69	$23,501.46	$360.02	$47.00	$70.50	$3,968.22
2036	$2,180.55	$1,307.72	$3,488.27	$21,442.05	$367.22	$42.88	$64.33	$3,962.70
2037	$2,301.69	$1,176.89	$3,478.58	$19,261.51	$374.56	$38.52	$57.78	$3,949.45
2038	$2,422.83	$1,038.79	$3,461.62	$16,959.82	$382.06	$33.92	$50.88	$3,928.47
2039	$2,543.97	$890.39	$3,434.36	$14,536.99	$389.70	$29.07	$43.61	$3,896.75
2040	$2,786.26	$734.57	$3,520.83	$11,993.01	$397.49	$23.99	$35.98	$3,978.28
2041	$2,907.40	$563.91	$3,471.31	$9,206.76	$405.44	$18.41	$27.62	$3,922.79
2042	$3,028.54	$385.84	$3,414.37	$6,299.36	$413.55	$12.60	$18.90	$3,859.42
2043	$3,270.82	$200.34	$3,471.16	$3,270.82	$421.82	$6.54	$9.81	$3,909.33
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$46,518.35**	**$55,387.80**	**$101,906.15**		**$9,398.70**	**$1,775.45**	**$2,663.18**	**$111,512.86**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613077 **Lot Type:** GARDEN
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$1,915.01	$1,915.01	$46,518.35	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$2,768.69	$2,768.69	$46,518.35	$242.28	$93.04	$139.56	$932.59
2016	$726.85	$2,768.69	$3,495.54	$46,518.35	$247.13	$93.04	$139.56	$3,970.62
2017	$726.85	$2,727.80	$3,454.65	$45,791.51	$252.07	$91.58	$137.37	$3,935.68
2018	$726.85	$2,686.92	$3,413.77	$45,064.66	$257.11	$90.13	$135.19	$3,896.20
2019	$847.99	$2,646.03	$3,494.03	$44,337.81	$262.26	$88.68	$133.01	$3,977.97
2020	$847.99	$2,598.33	$3,446.33	$43,489.82	$267.50	$86.98	$130.47	$3,931.27
2021	$969.13	$2,550.64	$3,519.77	$42,641.83	$272.85	$85.28	$127.93	$4,005.83
2022	$969.13	$2,496.12	$3,465.25	$41,672.69	$278.31	$83.35	$125.02	$3,951.92
2023	$1,090.27	$2,441.61	$3,531.88	$40,703.56	$283.87	$81.41	$122.11	$4,019.27
2024	$1,090.27	$2,380.28	$3,470.55	$39,613.29	$289.55	$79.23	$118.84	$3,958.17
2025	$1,090.27	$2,318.95	$3,409.23	$38,523.01	$295.34	$77.05	$115.57	$3,897.18
2026	$1,211.42	$2,257.62	$3,469.04	$37,432.74	$301.25	$74.87	$112.30	$3,957.45
2027	$1,332.56	$2,189.48	$3,522.04	$36,221.32	$307.27	$72.44	$108.66	$4,010.42
2028	$1,332.56	$2,114.53	$3,447.08	$34,888.77	$313.42	$69.78	$104.67	$3,934.95
2029	$1,453.70	$2,034.57	$3,488.27	$33,556.21	$319.69	$67.11	$100.67	$3,975.74
2030	$1,574.84	$1,947.35	$3,522.19	$32,102.51	$326.08	$64.21	$96.31	$4,008.78
2031	$1,574.84	$1,852.86	$3,427.70	$30,527.67	$332.60	$61.06	$91.58	$3,912.94
2032	$1,695.98	$1,758.37	$3,454.35	$28,952.83	$339.25	$57.91	$86.86	$3,938.37
2033	$1,817.12	$1,656.61	$3,473.73	$27,256.85	$346.04	$54.51	$81.77	$3,956.06
2034	$1,938.26	$1,547.58	$3,485.85	$25,439.73	$352.96	$50.88	$76.32	$3,966.01
2035	$2,059.41	$1,431.29	$3,490.69	$23,501.46	$360.02	$47.00	$70.50	$3,968.22
2036	$2,180.55	$1,307.72	$3,488.27	$21,442.05	$367.22	$42.88	$64.33	$3,962.70
2037	$2,301.69	$1,176.89	$3,478.58	$19,261.51	$374.56	$38.52	$57.78	$3,949.45
2038	$2,422.83	$1,038.79	$3,461.62	$16,959.82	$382.06	$33.92	$50.88	$3,928.47
2039	$2,543.97	$890.39	$3,434.36	$14,536.99	$389.70	$29.07	$43.61	$3,896.75
2040	$2,786.26	$734.57	$3,520.83	$11,993.01	$397.49	$23.99	$35.98	$3,978.28
2041	$2,907.40	$563.91	$3,471.31	$9,206.76	$405.44	$18.41	$27.62	$3,922.79
2042	$3,028.54	$385.84	$3,414.37	$6,299.36	$413.55	$12.60	$18.90	$3,859.42
2043	$3,270.82	$200.34	$3,471.16	$3,270.82	$421.82	$6.54	$9.81	$3,909.33
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$46,518.35**	**$55,387.80**	**$101,906.15**		**$9,398.70**	**$1,775.45**	**$2,663.18**	**$111,512.86**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613078 **Lot Type:** PREMIUM PLUS
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,088.73	$3,088.73	$75,029.60	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$4,465.63	$4,465.63	$75,029.60	$390.78	$150.06	$225.09	$1,504.17
2016	$1,172.34	$4,465.63	$5,637.97	$75,029.60	$398.59	$150.06	$225.09	$6,404.23
2017	$1,172.34	$4,399.69	$5,572.02	$73,857.27	$406.57	$147.71	$221.57	$6,347.88
2018	$1,172.34	$4,333.74	$5,506.08	$72,684.93	$414.70	$145.37	$218.05	$6,284.20
2019	$1,367.73	$4,267.80	$5,635.52	$71,512.59	$422.99	$143.03	$214.54	$6,416.08
2020	$1,367.73	$4,190.86	$5,558.59	$70,144.86	$431.45	$140.29	$210.43	$6,340.77
2021	$1,563.12	$4,113.93	$5,677.04	$68,777.14	$440.08	$137.55	$206.33	$6,461.01
2022	$1,563.12	$4,026.00	$5,589.12	$67,214.02	$448.88	$134.43	$201.64	$6,374.07
2023	$1,758.51	$3,938.08	$5,696.58	$65,650.90	$457.86	$131.30	$196.95	$6,482.70
2024	$1,758.51	$3,839.16	$5,597.67	$63,892.40	$467.02	$127.78	$191.68	$6,384.15
2025	$1,758.51	$3,740.25	$5,498.75	$62,133.89	$476.36	$124.27	$186.40	$6,285.78
2026	$1,953.90	$3,641.33	$5,595.23	$60,375.38	$485.88	$120.75	$181.13	$6,382.99
2027	$2,149.29	$3,531.42	$5,680.71	$58,421.49	$495.60	$116.84	$175.26	$6,468.42
2028	$2,149.29	$3,410.53	$5,559.81	$56,272.20	$505.51	$112.54	$168.82	$6,346.69
2029	$2,344.68	$3,281.57	$5,626.24	$54,122.92	$515.62	$108.25	$162.37	$6,412.48
2030	$2,540.06	$3,140.89	$5,680.95	$51,778.24	$525.94	$103.56	$155.33	$6,465.78
2031	$2,540.06	$2,988.48	$5,528.55	$49,238.18	$536.46	$98.48	$147.71	$6,311.20
2032	$2,735.45	$2,836.08	$5,571.53	$46,698.11	$547.19	$93.40	$140.09	$6,352.21
2033	$2,930.84	$2,671.95	$5,602.80	$43,962.66	$558.13	$87.93	$131.89	$6,380.74
2034	$3,126.23	$2,496.10	$5,622.34	$41,031.81	$569.29	$82.06	$123.10	$6,396.79
2035	$3,321.62	$2,308.53	$5,630.15	$37,905.58	$580.68	$75.81	$113.72	$6,400.36
2036	$3,517.01	$2,109.23	$5,626.24	$34,583.96	$592.29	$69.17	$103.75	$6,391.45
2037	$3,712.40	$1,898.21	$5,610.61	$31,066.95	$604.14	$62.13	$93.20	$6,370.08
2038	$3,907.79	$1,675.47	$5,583.26	$27,354.54	$616.22	$54.71	$82.06	$6,336.25
2039	$4,103.18	$1,436.11	$5,539.30	$23,446.75	$628.54	$46.89	$70.34	$6,285.07
2040	$4,493.96	$1,184.79	$5,678.75	$19,343.57	$641.11	$38.69	$58.03	$6,416.59
2041	$4,689.35	$909.54	$5,598.89	$14,849.61	$653.94	$29.70	$44.55	$6,327.07
2042	$4,884.74	$622.32	$5,507.06	$10,160.26	$667.02	$20.32	$30.48	$6,224.87
2043	$5,275.52	$323.13	$5,598.64	$5,275.52	$680.36	$10.55	$15.83	$6,305.38
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$75,029.60**	**$89,335.16**	**$164,364.76**		**$15,159.20**	**$2,863.63**	**$4,295.44**	**$179,859.44**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613079 **Lot Type:** PREMIUM PLUS
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,088.73	$3,088.73	$75,029.60	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$4,465.63	$4,465.63	$75,029.60	$390.78	$150.06	$225.09	$1,504.17
2016	$1,172.34	$4,465.63	$5,637.97	$75,029.60	$398.59	$150.06	$225.09	$6,404.23
2017	$1,172.34	$4,399.69	$5,572.02	$73,857.27	$406.57	$147.71	$221.57	$6,347.88
2018	$1,172.34	$4,333.74	$5,506.08	$72,684.93	$414.70	$145.37	$218.05	$6,284.20
2019	$1,367.73	$4,267.80	$5,635.52	$71,512.59	$422.99	$143.03	$214.54	$6,416.08
2020	$1,367.73	$4,190.86	$5,558.59	$70,144.86	$431.45	$140.29	$210.43	$6,340.77
2021	$1,563.12	$4,113.93	$5,677.04	$68,777.14	$440.08	$137.55	$206.33	$6,461.01
2022	$1,563.12	$4,026.00	$5,589.12	$67,214.02	$448.88	$134.43	$201.64	$6,374.07
2023	$1,758.51	$3,938.08	$5,696.58	$65,650.90	$457.86	$131.30	$196.95	$6,482.70
2024	$1,758.51	$3,839.16	$5,597.67	$63,892.40	$467.02	$127.78	$191.68	$6,384.15
2025	$1,758.51	$3,740.25	$5,498.75	$62,133.89	$476.36	$124.27	$186.40	$6,285.78
2026	$1,953.90	$3,641.33	$5,595.23	$60,375.38	$485.88	$120.75	$181.13	$6,382.99
2027	$2,149.29	$3,531.42	$5,680.71	$58,421.49	$495.60	$116.84	$175.26	$6,468.42
2028	$2,149.29	$3,410.53	$5,559.81	$56,272.20	$505.51	$112.54	$168.82	$6,346.69
2029	$2,344.68	$3,281.57	$5,626.24	$54,122.92	$515.62	$108.25	$162.37	$6,412.48
2030	$2,540.06	$3,140.89	$5,680.95	$51,778.24	$525.94	$103.56	$155.33	$6,465.78
2031	$2,540.06	$2,988.48	$5,528.55	$49,238.18	$536.46	$98.48	$147.71	$6,311.20
2032	$2,735.45	$2,836.08	$5,571.53	$46,698.11	$547.19	$93.40	$140.09	$6,352.21
2033	$2,930.84	$2,671.95	$5,602.80	$43,962.66	$558.13	$87.93	$131.89	$6,380.74
2034	$3,126.23	$2,496.10	$5,622.34	$41,031.81	$569.29	$82.06	$123.10	$6,396.79
2035	$3,321.62	$2,308.53	$5,630.15	$37,905.58	$580.68	$75.81	$113.72	$6,400.36
2036	$3,517.01	$2,109.23	$5,626.24	$34,583.96	$592.29	$69.17	$103.75	$6,391.45
2037	$3,712.40	$1,898.21	$5,610.61	$31,066.95	$604.14	$62.13	$93.20	$6,370.08
2038	$3,907.79	$1,675.47	$5,583.26	$27,354.54	$616.22	$54.71	$82.06	$6,336.25
2039	$4,103.18	$1,436.11	$5,539.30	$23,446.75	$628.54	$46.89	$70.34	$6,285.07
2040	$4,493.96	$1,184.79	$5,678.75	$19,343.57	$641.11	$38.69	$58.03	$6,416.59
2041	$4,689.35	$909.54	$5,598.89	$14,849.61	$653.94	$29.70	$44.55	$6,327.07
2042	$4,884.74	$622.32	$5,507.06	$10,160.26	$667.02	$20.32	$30.48	$6,224.87
2043	$5,275.52	$323.13	$5,598.64	$5,275.52	$680.36	$10.55	$15.83	$6,305.38
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$75,029.60**	**$89,335.16**	**$164,364.76**		**$15,159.20**	**$2,863.63**	**$4,295.44**	**$179,859.44**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613080 **Lot Type:** PREMIUM PLUS
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,088.73	$3,088.73	$75,029.60	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$4,465.63	$4,465.63	$75,029.60	$390.78	$150.06	$225.09	$1,504.17
2016	$1,172.34	$4,465.63	$5,637.97	$75,029.60	$398.59	$150.06	$225.09	$6,404.23
2017	$1,172.34	$4,399.69	$5,572.02	$73,857.27	$406.57	$147.71	$221.57	$6,347.88
2018	$1,172.34	$4,333.74	$5,506.08	$72,684.93	$414.70	$145.37	$218.05	$6,284.20
2019	$1,367.73	$4,267.80	$5,635.52	$71,512.59	$422.99	$143.03	$214.54	$6,416.08
2020	$1,367.73	$4,190.86	$5,558.59	$70,144.86	$431.45	$140.29	$210.43	$6,340.77
2021	$1,563.12	$4,113.93	$5,677.04	$68,777.14	$440.08	$137.55	$206.33	$6,461.01
2022	$1,563.12	$4,026.00	$5,589.12	$67,214.02	$448.88	$134.43	$201.64	$6,374.07
2023	$1,758.51	$3,938.08	$5,696.58	$65,650.90	$457.86	$131.30	$196.95	$6,482.70
2024	$1,758.51	$3,839.16	$5,597.67	$63,892.40	$467.02	$127.78	$191.68	$6,384.15
2025	$1,758.51	$3,740.25	$5,498.75	$62,133.89	$476.36	$124.27	$186.40	$6,285.78
2026	$1,953.90	$3,641.33	$5,595.23	$60,375.38	$485.88	$120.75	$181.13	$6,382.99
2027	$2,149.29	$3,531.42	$5,680.71	$58,421.49	$495.60	$116.84	$175.26	$6,468.42
2028	$2,149.29	$3,410.53	$5,559.81	$56,272.20	$505.51	$112.54	$168.82	$6,346.69
2029	$2,344.68	$3,281.57	$5,626.24	$54,122.92	$515.62	$108.25	$162.37	$6,412.48
2030	$2,540.06	$3,140.89	$5,680.95	$51,778.24	$525.94	$103.56	$155.33	$6,465.78
2031	$2,540.06	$2,988.48	$5,528.55	$49,238.18	$536.46	$98.48	$147.71	$6,311.20
2032	$2,735.45	$2,836.08	$5,571.53	$46,698.11	$547.19	$93.40	$140.09	$6,352.21
2033	$2,930.84	$2,671.95	$5,602.80	$43,962.66	$558.13	$87.93	$131.89	$6,380.74
2034	$3,126.23	$2,496.10	$5,622.34	$41,031.81	$569.29	$82.06	$123.10	$6,396.79
2035	$3,321.62	$2,308.53	$5,630.15	$37,905.58	$580.68	$75.81	$113.72	$6,400.36
2036	$3,517.01	$2,109.23	$5,626.24	$34,583.96	$592.29	$69.17	$103.75	$6,391.45
2037	$3,712.40	$1,898.21	$5,610.61	$31,066.95	$604.14	$62.13	$93.20	$6,370.08
2038	$3,907.79	$1,675.47	$5,583.26	$27,354.54	$616.22	$54.71	$82.06	$6,336.25
2039	$4,103.18	$1,436.11	$5,539.30	$23,446.75	$628.54	$46.89	$70.34	$6,285.07
2040	$4,493.96	$1,184.79	$5,678.75	$19,343.57	$641.11	$38.69	$58.03	$6,416.59
2041	$4,689.35	$909.54	$5,598.89	$14,849.61	$653.94	$29.70	$44.55	$6,327.07
2042	$4,884.74	$622.32	$5,507.06	$10,160.26	$667.02	$20.32	$30.48	$6,224.87
2043	$5,275.52	$323.13	$5,598.64	$5,275.52	$680.36	$10.55	$15.83	$6,305.38
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$75,029.60**	**$89,335.16**	**$164,364.76**		**$15,159.20**	**$2,863.63**	**$4,295.44**	**$179,859.44**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613081 **Lot Type:** PREMIUM PLUS
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,088.73	$3,088.73	$75,029.60	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$4,465.63	$4,465.63	$75,029.60	$390.78	$150.06	$225.09	$1,504.17
2016	$1,172.34	$4,465.63	$5,637.97	$75,029.60	$398.59	$150.06	$225.09	$6,404.23
2017	$1,172.34	$4,399.69	$5,572.02	$73,857.27	$406.57	$147.71	$221.57	$6,347.88
2018	$1,172.34	$4,333.74	$5,506.08	$72,684.93	$414.70	$145.37	$218.05	$6,284.20
2019	$1,367.73	$4,267.80	$5,635.52	$71,512.59	$422.99	$143.03	$214.54	$6,416.08
2020	$1,367.73	$4,190.86	$5,558.59	$70,144.86	$431.45	$140.29	$210.43	$6,340.77
2021	$1,563.12	$4,113.93	$5,677.04	$68,777.14	$440.08	$137.55	$206.33	$6,461.01
2022	$1,563.12	$4,026.00	$5,589.12	$67,214.02	$448.88	$134.43	$201.64	$6,374.07
2023	$1,758.51	$3,938.08	$5,696.58	$65,650.90	$457.86	$131.30	$196.95	$6,482.70
2024	$1,758.51	$3,839.16	$5,597.67	$63,892.40	$467.02	$127.78	$191.68	$6,384.15
2025	$1,758.51	$3,740.25	$5,498.75	$62,133.89	$476.36	$124.27	$186.40	$6,285.78
2026	$1,953.90	$3,641.33	$5,595.23	$60,375.38	$485.88	$120.75	$181.13	$6,382.99
2027	$2,149.29	$3,531.42	$5,680.71	$58,421.49	$495.60	$116.84	$175.26	$6,468.42
2028	$2,149.29	$3,410.53	$5,559.81	$56,272.20	$505.51	$112.54	$168.82	$6,346.69
2029	$2,344.68	$3,281.57	$5,626.24	$54,122.92	$515.62	$108.25	$162.37	$6,412.48
2030	$2,540.06	$3,140.89	$5,680.95	$51,778.24	$525.94	$103.56	$155.33	$6,465.78
2031	$2,540.06	$2,988.48	$5,528.55	$49,238.18	$536.46	$98.48	$147.71	$6,311.20
2032	$2,735.45	$2,836.08	$5,571.53	$46,698.11	$547.19	$93.40	$140.09	$6,352.21
2033	$2,930.84	$2,671.95	$5,602.80	$43,962.66	$558.13	$87.93	$131.89	$6,380.74
2034	$3,126.23	$2,496.10	$5,622.34	$41,031.81	$569.29	$82.06	$123.10	$6,396.79
2035	$3,321.62	$2,308.53	$5,630.15	$37,905.58	$580.68	$75.81	$113.72	$6,400.36
2036	$3,517.01	$2,109.23	$5,626.24	$34,583.96	$592.29	$69.17	$103.75	$6,391.45
2037	$3,712.40	$1,898.21	$5,610.61	$31,066.95	$604.14	$62.13	$93.20	$6,370.08
2038	$3,907.79	$1,675.47	$5,583.26	$27,354.54	$616.22	$54.71	$82.06	$6,336.25
2039	$4,103.18	$1,436.11	$5,539.30	$23,446.75	$628.54	$46.89	$70.34	$6,285.07
2040	$4,493.96	$1,184.79	$5,678.75	$19,343.57	$641.11	$38.69	$58.03	$6,416.59
2041	$4,689.35	$909.54	$5,598.89	$14,849.61	$653.94	$29.70	$44.55	$6,327.07
2042	$4,884.74	$622.32	$5,507.06	$10,160.26	$667.02	$20.32	$30.48	$6,224.87
2043	$5,275.52	$323.13	$5,598.64	$5,275.52	$680.36	$10.55	$15.83	$6,305.38
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$75,029.60**	**$89,335.16**	**$164,364.76**		**$15,159.20**	**$2,863.63**	**$4,295.44**	**$179,859.44**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020

(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613082 **Lot Type:** PREMIUM PLUS
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,088.73	$3,088.73	$75,029.60	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$4,465.63	$4,465.63	$75,029.60	$390.78	$150.06	$225.09	$1,504.17
2016	$1,172.34	$4,465.63	$5,637.97	$75,029.60	$398.59	$150.06	$225.09	$6,404.23
2017	$1,172.34	$4,399.69	$5,572.02	$73,857.27	$406.57	$147.71	$221.57	$6,347.88
2018	$1,172.34	$4,333.74	$5,506.08	$72,684.93	$414.70	$145.37	$218.05	$6,284.20
2019	$1,367.73	$4,267.80	$5,635.52	$71,512.59	$422.99	$143.03	$214.54	$6,416.08
2020	$1,367.73	$4,190.86	$5,558.59	$70,144.86	$431.45	$140.29	$210.43	$6,340.77
2021	$1,563.12	$4,113.93	$5,677.04	$68,777.14	$440.08	$137.55	$206.33	$6,461.01
2022	$1,563.12	$4,026.00	$5,589.12	$67,214.02	$448.88	$134.43	$201.64	$6,374.07
2023	$1,758.51	$3,938.08	$5,696.58	$65,650.90	$457.86	$131.30	$196.95	$6,482.70
2024	$1,758.51	$3,839.16	$5,597.67	$63,892.40	$467.02	$127.78	$191.68	$6,384.15
2025	$1,758.51	$3,740.25	$5,498.75	$62,133.89	$476.36	$124.27	$186.40	$6,285.78
2026	$1,953.90	$3,641.33	$5,595.23	$60,375.38	$485.88	$120.75	$181.13	$6,382.99
2027	$2,149.29	$3,531.42	$5,680.71	$58,421.49	$495.60	$116.84	$175.26	$6,468.42
2028	$2,149.29	$3,410.53	$5,559.81	$56,272.20	$505.51	$112.54	$168.82	$6,346.69
2029	$2,344.68	$3,281.57	$5,626.24	$54,122.92	$515.62	$108.25	$162.37	$6,412.48
2030	$2,540.06	$3,140.89	$5,680.95	$51,778.24	$525.94	$103.56	$155.33	$6,465.78
2031	$2,540.06	$2,988.48	$5,528.55	$49,238.18	$536.46	$98.48	$147.71	$6,311.20
2032	$2,735.45	$2,836.08	$5,571.53	$46,698.11	$547.19	$93.40	$140.09	$6,352.21
2033	$2,930.84	$2,671.95	$5,602.80	$43,962.66	$558.13	$87.93	$131.89	$6,380.74
2034	$3,126.23	$2,496.10	$5,622.34	$41,031.81	$569.29	$82.06	$123.10	$6,396.79
2035	$3,321.62	$2,308.53	$5,630.15	$37,905.58	$580.68	$75.81	$113.72	$6,400.36
2036	$3,517.01	$2,109.23	$5,626.24	$34,583.96	$592.29	$69.17	$103.75	$6,391.45
2037	$3,712.40	$1,898.21	$5,610.61	$31,066.95	$604.14	$62.13	$93.20	$6,370.08
2038	$3,907.79	$1,675.47	$5,583.26	$27,354.54	$616.22	$54.71	$82.06	$6,336.25
2039	$4,103.18	$1,436.11	$5,539.30	$23,446.75	$628.54	$46.89	$70.34	$6,285.07
2040	$4,493.96	$1,184.79	$5,678.75	$19,343.57	$641.11	$38.69	$58.03	$6,416.59
2041	$4,689.35	$909.54	$5,598.89	$14,849.61	$653.94	$29.70	$44.55	$6,327.07
2042	$4,884.74	$622.32	$5,507.06	$10,160.26	$667.02	$20.32	$30.48	$6,224.87
2043	$5,275.52	$323.13	$5,598.64	$5,275.52	$680.36	$10.55	$15.83	$6,305.38
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$75,029.60**	**$89,335.16**	**$164,364.76**		**$15,159.20**	**$2,863.63**	**$4,295.44**	**$179,859.44**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613083 **Lot Type:** PREMIUM PLUS
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,088.73	$3,088.73	$75,029.60	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$4,465.63	$4,465.63	$75,029.60	$390.78	$150.06	$225.09	$1,504.17
2016	$1,172.34	$4,465.63	$5,637.97	$75,029.60	$398.59	$150.06	$225.09	$6,404.23
2017	$1,172.34	$4,399.69	$5,572.02	$73,857.27	$406.57	$147.71	$221.57	$6,347.88
2018	$1,172.34	$4,333.74	$5,506.08	$72,684.93	$414.70	$145.37	$218.05	$6,284.20
2019	$1,367.73	$4,267.80	$5,635.52	$71,512.59	$422.99	$143.03	$214.54	$6,416.08
2020	$1,367.73	$4,190.86	$5,558.59	$70,144.86	$431.45	$140.29	$210.43	$6,340.77
2021	$1,563.12	$4,113.93	$5,677.04	$68,777.14	$440.08	$137.55	$206.33	$6,461.01
2022	$1,563.12	$4,026.00	$5,589.12	$67,214.02	$448.88	$134.43	$201.64	$6,374.07
2023	$1,758.51	$3,938.08	$5,696.58	$65,650.90	$457.86	$131.30	$196.95	$6,482.70
2024	$1,758.51	$3,839.16	$5,597.67	$63,892.40	$467.02	$127.78	$191.68	$6,384.15
2025	$1,758.51	$3,740.25	$5,498.75	$62,133.89	$476.36	$124.27	$186.40	$6,285.78
2026	$1,953.90	$3,641.33	$5,595.23	$60,375.38	$485.88	$120.75	$181.13	$6,382.99
2027	$2,149.29	$3,531.42	$5,680.71	$58,421.49	$495.60	$116.84	$175.26	$6,468.42
2028	$2,149.29	$3,410.53	$5,559.81	$56,272.20	$505.51	$112.54	$168.82	$6,346.69
2029	$2,344.68	$3,281.57	$5,626.24	$54,122.92	$515.62	$108.25	$162.37	$6,412.48
2030	$2,540.06	$3,140.89	$5,680.95	$51,778.24	$525.94	$103.56	$155.33	$6,465.78
2031	$2,540.06	$2,988.48	$5,528.55	$49,238.18	$536.46	$98.48	$147.71	$6,311.20
2032	$2,735.45	$2,836.08	$5,571.53	$46,698.11	$547.19	$93.40	$140.09	$6,352.21
2033	$2,930.84	$2,671.95	$5,602.80	$43,962.66	$558.13	$87.93	$131.89	$6,380.74
2034	$3,126.23	$2,496.10	$5,622.34	$41,031.81	$569.29	$82.06	$123.10	$6,396.79
2035	$3,321.62	$2,308.53	$5,630.15	$37,905.58	$580.68	$75.81	$113.72	$6,400.36
2036	$3,517.01	$2,109.23	$5,626.24	$34,583.96	$592.29	$69.17	$103.75	$6,391.45
2037	$3,712.40	$1,898.21	$5,610.61	$31,066.95	$604.14	$62.13	$93.20	$6,370.08
2038	$3,907.79	$1,675.47	$5,583.26	$27,354.54	$616.22	$54.71	$82.06	$6,336.25
2039	$4,103.18	$1,436.11	$5,539.30	$23,446.75	$628.54	$46.89	$70.34	$6,285.07
2040	$4,493.96	$1,184.79	$5,678.75	$19,343.57	$641.11	$38.69	$58.03	$6,416.59
2041	$4,689.35	$909.54	$5,598.89	$14,849.61	$653.94	$29.70	$44.55	$6,327.07
2042	$4,884.74	$622.32	$5,507.06	$10,160.26	$667.02	$20.32	$30.48	$6,224.87
2043	$5,275.52	$323.13	$5,598.64	$5,275.52	$680.36	$10.55	$15.83	$6,305.38
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$75,029.60**	**$89,335.16**	**$164,364.76**		**$15,159.20**	**$2,863.63**	**$4,295.44**	**$179,859.44**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613084 **Lot Type:** PREMIUM PLUS
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,088.73	$3,088.73	$75,029.60	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$4,465.63	$4,465.63	$75,029.60	$390.78	$150.06	$225.09	$1,504.17
2016	$1,172.34	$4,465.63	$5,637.97	$75,029.60	$398.59	$150.06	$225.09	$6,404.23
2017	$1,172.34	$4,399.69	$5,572.02	$73,857.27	$406.57	$147.71	$221.57	$6,347.88
2018	$1,172.34	$4,333.74	$5,506.08	$72,684.93	$414.70	$145.37	$218.05	$6,284.20
2019	$1,367.73	$4,267.80	$5,635.52	$71,512.59	$422.99	$143.03	$214.54	$6,416.08
2020	$1,367.73	$4,190.86	$5,558.59	$70,144.86	$431.45	$140.29	$210.43	$6,340.77
2021	$1,563.12	$4,113.93	$5,677.04	$68,777.14	$440.08	$137.55	$206.33	$6,461.01
2022	$1,563.12	$4,026.00	$5,589.12	$67,214.02	$448.88	$134.43	$201.64	$6,374.07
2023	$1,758.51	$3,938.08	$5,696.58	$65,650.90	$457.86	$131.30	$196.95	$6,482.70
2024	$1,758.51	$3,839.16	$5,597.67	$63,892.40	$467.02	$127.78	$191.68	$6,384.15
2025	$1,758.51	$3,740.25	$5,498.75	$62,133.89	$476.36	$124.27	$186.40	$6,285.78
2026	$1,953.90	$3,641.33	$5,595.23	$60,375.38	$485.88	$120.75	$181.13	$6,382.99
2027	$2,149.29	$3,531.42	$5,680.71	$58,421.49	$495.60	$116.84	$175.26	$6,468.42
2028	$2,149.29	$3,410.53	$5,559.81	$56,272.20	$505.51	$112.54	$168.82	$6,346.69
2029	$2,344.68	$3,281.57	$5,626.24	$54,122.92	$515.62	$108.25	$162.37	$6,412.48
2030	$2,540.06	$3,140.89	$5,680.95	$51,778.24	$525.94	$103.56	$155.33	$6,465.78
2031	$2,540.06	$2,988.48	$5,528.55	$49,238.18	$536.46	$98.48	$147.71	$6,311.20
2032	$2,735.45	$2,836.08	$5,571.53	$46,698.11	$547.19	$93.40	$140.09	$6,352.21
2033	$2,930.84	$2,671.95	$5,602.80	$43,962.66	$558.13	$87.93	$131.89	$6,380.74
2034	$3,126.23	$2,496.10	$5,622.34	$41,031.81	$569.29	$82.06	$123.10	$6,396.79
2035	$3,321.62	$2,308.53	$5,630.15	$37,905.58	$580.68	$75.81	$113.72	$6,400.36
2036	$3,517.01	$2,109.23	$5,626.24	$34,583.96	$592.29	$69.17	$103.75	$6,391.45
2037	$3,712.40	$1,898.21	$5,610.61	$31,066.95	$604.14	$62.13	$93.20	$6,370.08
2038	$3,907.79	$1,675.47	$5,583.26	$27,354.54	$616.22	$54.71	$82.06	$6,336.25
2039	$4,103.18	$1,436.11	$5,539.30	$23,446.75	$628.54	$46.89	$70.34	$6,285.07
2040	$4,493.96	$1,184.79	$5,678.75	$19,343.57	$641.11	$38.69	$58.03	$6,416.59
2041	$4,689.35	$909.54	$5,598.89	$14,849.61	$653.94	$29.70	$44.55	$6,327.07
2042	$4,884.74	$622.32	$5,507.06	$10,160.26	$667.02	$20.32	$30.48	$6,224.87
2043	$5,275.52	$323.13	$5,598.64	$5,275.52	$680.36	$10.55	$15.83	$6,305.38
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$75,029.60**	**$89,335.16**	**$164,364.76**		**$15,159.20**	**$2,863.63**	**$4,295.44**	**$179,859.44**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613085 **Lot Type:** PREMIUM PLUS
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,088.73	$3,088.73	$75,029.60	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$4,465.63	$4,465.63	$75,029.60	$390.78	$150.06	$225.09	$1,504.17
2016	$1,172.34	$4,465.63	$5,637.97	$75,029.60	$398.59	$150.06	$225.09	$6,404.23
2017	$1,172.34	$4,399.69	$5,572.02	$73,857.27	$406.57	$147.71	$221.57	$6,347.88
2018	$1,172.34	$4,333.74	$5,506.08	$72,684.93	$414.70	$145.37	$218.05	$6,284.20
2019	$1,367.73	$4,267.80	$5,635.52	$71,512.59	$422.99	$143.03	$214.54	$6,416.08
2020	$1,367.73	$4,190.86	$5,558.59	$70,144.86	$431.45	$140.29	$210.43	$6,340.77
2021	$1,563.12	$4,113.93	$5,677.04	$68,777.14	$440.08	$137.55	$206.33	$6,461.01
2022	$1,563.12	$4,026.00	$5,589.12	$67,214.02	$448.88	$134.43	$201.64	$6,374.07
2023	$1,758.51	$3,938.08	$5,696.58	$65,650.90	$457.86	$131.30	$196.95	$6,482.70
2024	$1,758.51	$3,839.16	$5,597.67	$63,892.40	$467.02	$127.78	$191.68	$6,384.15
2025	$1,758.51	$3,740.25	$5,498.75	$62,133.89	$476.36	$124.27	$186.40	$6,285.78
2026	$1,953.90	$3,641.33	$5,595.23	$60,375.38	$485.88	$120.75	$181.13	$6,382.99
2027	$2,149.29	$3,531.42	$5,680.71	$58,421.49	$495.60	$116.84	$175.26	$6,468.42
2028	$2,149.29	$3,410.53	$5,559.81	$56,272.20	$505.51	$112.54	$168.82	$6,346.69
2029	$2,344.68	$3,281.57	$5,626.24	$54,122.92	$515.62	$108.25	$162.37	$6,412.48
2030	$2,540.06	$3,140.89	$5,680.95	$51,778.24	$525.94	$103.56	$155.33	$6,465.78
2031	$2,540.06	$2,988.48	$5,528.55	$49,238.18	$536.46	$98.48	$147.71	$6,311.20
2032	$2,735.45	$2,836.08	$5,571.53	$46,698.11	$547.19	$93.40	$140.09	$6,352.21
2033	$2,930.84	$2,671.95	$5,602.80	$43,962.66	$558.13	$87.93	$131.89	$6,380.74
2034	$3,126.23	$2,496.10	$5,622.34	$41,031.81	$569.29	$82.06	$123.10	$6,396.79
2035	$3,321.62	$2,308.53	$5,630.15	$37,905.58	$580.68	$75.81	$113.72	$6,400.36
2036	$3,517.01	$2,109.23	$5,626.24	$34,583.96	$592.29	$69.17	$103.75	$6,391.45
2037	$3,712.40	$1,898.21	$5,610.61	$31,066.95	$604.14	$62.13	$93.20	$6,370.08
2038	$3,907.79	$1,675.47	$5,583.26	$27,354.54	$616.22	$54.71	$82.06	$6,336.25
2039	$4,103.18	$1,436.11	$5,539.30	$23,446.75	$628.54	$46.89	$70.34	$6,285.07
2040	$4,493.96	$1,184.79	$5,678.75	$19,343.57	$641.11	$38.69	$58.03	$6,416.59
2041	$4,689.35	$909.54	$5,598.89	$14,849.61	$653.94	$29.70	$44.55	$6,327.07
2042	$4,884.74	$622.32	$5,507.06	$10,160.26	$667.02	$20.32	$30.48	$6,224.87
2043	$5,275.52	$323.13	$5,598.64	$5,275.52	$680.36	$10.55	$15.83	$6,305.38
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$75,029.60**	**$89,335.16**	**$164,364.76**		**$15,159.20**	**$2,863.63**	**$4,295.44**	**$179,859.44**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613086 **Lot Type:** PREMIUM PLUS
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,088.73	$3,088.73	$75,029.60	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$4,465.63	$4,465.63	$75,029.60	$390.78	$150.06	$225.09	$1,504.17
2016	$1,172.34	$4,465.63	$5,637.97	$75,029.60	$398.59	$150.06	$225.09	$6,404.23
2017	$1,172.34	$4,399.69	$5,572.02	$73,857.27	$406.57	$147.71	$221.57	$6,347.88
2018	$1,172.34	$4,333.74	$5,506.08	$72,684.93	$414.70	$145.37	$218.05	$6,284.20
2019	$1,367.73	$4,267.80	$5,635.52	$71,512.59	$422.99	$143.03	$214.54	$6,416.08
2020	$1,367.73	$4,190.86	$5,558.59	$70,144.86	$431.45	$140.29	$210.43	$6,340.77
2021	$1,563.12	$4,113.93	$5,677.04	$68,777.14	$440.08	$137.55	$206.33	$6,461.01
2022	$1,563.12	$4,026.00	$5,589.12	$67,214.02	$448.88	$134.43	$201.64	$6,374.07
2023	$1,758.51	$3,938.08	$5,696.58	$65,650.90	$457.86	$131.30	$196.95	$6,482.70
2024	$1,758.51	$3,839.16	$5,597.67	$63,892.40	$467.02	$127.78	$191.68	$6,384.15
2025	$1,758.51	$3,740.25	$5,498.75	$62,133.89	$476.36	$124.27	$186.40	$6,285.78
2026	$1,953.90	$3,641.33	$5,595.23	$60,375.38	$485.88	$120.75	$181.13	$6,382.99
2027	$2,149.29	$3,531.42	$5,680.71	$58,421.49	$495.60	$116.84	$175.26	$6,468.42
2028	$2,149.29	$3,410.53	$5,559.81	$56,272.20	$505.51	$112.54	$168.82	$6,346.69
2029	$2,344.68	$3,281.57	$5,626.24	$54,122.92	$515.62	$108.25	$162.37	$6,412.48
2030	$2,540.06	$3,140.89	$5,680.95	$51,778.24	$525.94	$103.56	$155.33	$6,465.78
2031	$2,540.06	$2,988.48	$5,528.55	$49,238.18	$536.46	$98.48	$147.71	$6,311.20
2032	$2,735.45	$2,836.08	$5,571.53	$46,698.11	$547.19	$93.40	$140.09	$6,352.21
2033	$2,930.84	$2,671.95	$5,602.80	$43,962.66	$558.13	$87.93	$131.89	$6,380.74
2034	$3,126.23	$2,496.10	$5,622.34	$41,031.81	$569.29	$82.06	$123.10	$6,396.79
2035	$3,321.62	$2,308.53	$5,630.15	$37,905.58	$580.68	$75.81	$113.72	$6,400.36
2036	$3,517.01	$2,109.23	$5,626.24	$34,583.96	$592.29	$69.17	$103.75	$6,391.45
2037	$3,712.40	$1,898.21	$5,610.61	$31,066.95	$604.14	$62.13	$93.20	$6,370.08
2038	$3,907.79	$1,675.47	$5,583.26	$27,354.54	$616.22	$54.71	$82.06	$6,336.25
2039	$4,103.18	$1,436.11	$5,539.30	$23,446.75	$628.54	$46.89	$70.34	$6,285.07
2040	$4,493.96	$1,184.79	$5,678.75	$19,343.57	$641.11	$38.69	$58.03	$6,416.59
2041	$4,689.35	$909.54	$5,598.89	$14,849.61	$653.94	$29.70	$44.55	$6,327.07
2042	$4,884.74	$622.32	$5,507.06	$10,160.26	$667.02	$20.32	$30.48	$6,224.87
2043	$5,275.52	$323.13	$5,598.64	$5,275.52	$680.36	$10.55	$15.83	$6,305.38
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$75,029.60**	**$89,335.16**	**$164,364.76**		**$15,159.20**	**$2,863.63**	**$4,295.44**	**$179,859.44**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020

(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613087 **Lot Type:** PREMIUM PLUS
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,088.73	$3,088.73	$75,029.60	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$4,465.63	$4,465.63	$75,029.60	$390.78	$150.06	$225.09	$1,504.17
2016	$1,172.34	$4,465.63	$5,637.97	$75,029.60	$398.59	$150.06	$225.09	$6,404.23
2017	$1,172.34	$4,399.69	$5,572.02	$73,857.27	$406.57	$147.71	$221.57	$6,347.88
2018	$1,172.34	$4,333.74	$5,506.08	$72,684.93	$414.70	$145.37	$218.05	$6,284.20
2019	$1,367.73	$4,267.80	$5,635.52	$71,512.59	$422.99	$143.03	$214.54	$6,416.08
2020	$1,367.73	$4,190.86	$5,558.59	$70,144.86	$431.45	$140.29	$210.43	$6,340.77
2021	$1,563.12	$4,113.93	$5,677.04	$68,777.14	$440.08	$137.55	$206.33	$6,461.01
2022	$1,563.12	$4,026.00	$5,589.12	$67,214.02	$448.88	$134.43	$201.64	$6,374.07
2023	$1,758.51	$3,938.08	$5,696.58	$65,650.90	$457.86	$131.30	$196.95	$6,482.70
2024	$1,758.51	$3,839.16	$5,597.67	$63,892.40	$467.02	$127.78	$191.68	$6,384.15
2025	$1,758.51	$3,740.25	$5,498.75	$62,133.89	$476.36	$124.27	$186.40	$6,285.78
2026	$1,953.90	$3,641.33	$5,595.23	$60,375.38	$485.88	$120.75	$181.13	$6,382.99
2027	$2,149.29	$3,531.42	$5,680.71	$58,421.49	$495.60	$116.84	$175.26	$6,468.42
2028	$2,149.29	$3,410.53	$5,559.81	$56,272.20	$505.51	$112.54	$168.82	$6,346.69
2029	$2,344.68	$3,281.57	$5,626.24	$54,122.92	$515.62	$108.25	$162.37	$6,412.48
2030	$2,540.06	$3,140.89	$5,680.95	$51,778.24	$525.94	$103.56	$155.33	$6,465.78
2031	$2,540.06	$2,988.48	$5,528.55	$49,238.18	$536.46	$98.48	$147.71	$6,311.20
2032	$2,735.45	$2,836.08	$5,571.53	$46,698.11	$547.19	$93.40	$140.09	$6,352.21
2033	$2,930.84	$2,671.95	$5,602.80	$43,962.66	$558.13	$87.93	$131.89	$6,380.74
2034	$3,126.23	$2,496.10	$5,622.34	$41,031.81	$569.29	$82.06	$123.10	$6,396.79
2035	$3,321.62	$2,308.53	$5,630.15	$37,905.58	$580.68	$75.81	$113.72	$6,400.36
2036	$3,517.01	$2,109.23	$5,626.24	$34,583.96	$592.29	$69.17	$103.75	$6,391.45
2037	$3,712.40	$1,898.21	$5,610.61	$31,066.95	$604.14	$62.13	$93.20	$6,370.08
2038	$3,907.79	$1,675.47	$5,583.26	$27,354.54	$616.22	$54.71	$82.06	$6,336.25
2039	$4,103.18	$1,436.11	$5,539.30	$23,446.75	$628.54	$46.89	$70.34	$6,285.07
2040	$4,493.96	$1,184.79	$5,678.75	$19,343.57	$641.11	$38.69	$58.03	$6,416.59
2041	$4,689.35	$909.54	$5,598.89	$14,849.61	$653.94	$29.70	$44.55	$6,327.07
2042	$4,884.74	$622.32	$5,507.06	$10,160.26	$667.02	$20.32	$30.48	$6,224.87
2043	$5,275.52	$323.13	$5,598.64	$5,275.52	$680.36	$10.55	$15.83	$6,305.38
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$75,029.60**	**$89,335.16**	**$164,364.76**		**$15,159.20**	**$2,863.63**	**$4,295.44**	**$179,859.44**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613088 **Lot Type:** PREMIUM PLUS
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$3,088.73	$3,088.73	$75,029.60	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$4,465.63	$4,465.63	$75,029.60	$390.78	$150.06	$225.09	$1,504.17
2016	$1,172.34	$4,465.63	$5,637.97	$75,029.60	$398.59	$150.06	$225.09	$6,404.23
2017	$1,172.34	$4,399.69	$5,572.02	$73,857.27	$406.57	$147.71	$221.57	$6,347.88
2018	$1,172.34	$4,333.74	$5,506.08	$72,684.93	$414.70	$145.37	$218.05	$6,284.20
2019	$1,367.73	$4,267.80	$5,635.52	$71,512.59	$422.99	$143.03	$214.54	$6,416.08
2020	$1,367.73	$4,190.86	$5,558.59	$70,144.86	$431.45	$140.29	$210.43	$6,340.77
2021	$1,563.12	$4,113.93	$5,677.04	$68,777.14	$440.08	$137.55	$206.33	$6,461.01
2022	$1,563.12	$4,026.00	$5,589.12	$67,214.02	$448.88	$134.43	$201.64	$6,374.07
2023	$1,758.51	$3,938.08	$5,696.58	$65,650.90	$457.86	$131.30	$196.95	$6,482.70
2024	$1,758.51	$3,839.16	$5,597.67	$63,892.40	$467.02	$127.78	$191.68	$6,384.15
2025	$1,758.51	$3,740.25	$5,498.75	$62,133.89	$476.36	$124.27	$186.40	$6,285.78
2026	$1,953.90	$3,641.33	$5,595.23	$60,375.38	$485.88	$120.75	$181.13	$6,382.99
2027	$2,149.29	$3,531.42	$5,680.71	$58,421.49	$495.60	$116.84	$175.26	$6,468.42
2028	$2,149.29	$3,410.53	$5,559.81	$56,272.20	$505.51	$112.54	$168.82	$6,346.69
2029	$2,344.68	$3,281.57	$5,626.24	$54,122.92	$515.62	$108.25	$162.37	$6,412.48
2030	$2,540.06	$3,140.89	$5,680.95	$51,778.24	$525.94	$103.56	$155.33	$6,465.78
2031	$2,540.06	$2,988.48	$5,528.55	$49,238.18	$536.46	$98.48	$147.71	$6,311.20
2032	$2,735.45	$2,836.08	$5,571.53	$46,698.11	$547.19	$93.40	$140.09	$6,352.21
2033	$2,930.84	$2,671.95	$5,602.80	$43,962.66	$558.13	$87.93	$131.89	$6,380.74
2034	$3,126.23	$2,496.10	$5,622.34	$41,031.81	$569.29	$82.06	$123.10	$6,396.79
2035	$3,321.62	$2,308.53	$5,630.15	$37,905.58	$580.68	$75.81	$113.72	$6,400.36
2036	$3,517.01	$2,109.23	$5,626.24	$34,583.96	$592.29	$69.17	$103.75	$6,391.45
2037	$3,712.40	$1,898.21	$5,610.61	$31,066.95	$604.14	$62.13	$93.20	$6,370.08
2038	$3,907.79	$1,675.47	$5,583.26	$27,354.54	$616.22	$54.71	$82.06	$6,336.25
2039	$4,103.18	$1,436.11	$5,539.30	$23,446.75	$628.54	$46.89	$70.34	$6,285.07
2040	$4,493.96	$1,184.79	$5,678.75	$19,343.57	$641.11	$38.69	$58.03	$6,416.59
2041	$4,689.35	$909.54	$5,598.89	$14,849.61	$653.94	$29.70	$44.55	$6,327.07
2042	$4,884.74	$622.32	$5,507.06	$10,160.26	$667.02	$20.32	$30.48	$6,224.87
2043	$5,275.52	$323.13	$5,598.64	$5,275.52	$680.36	$10.55	$15.83	$6,305.38
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$75,029.60**	**$89,335.16**	**$164,364.76**		**$15,159.20**	**$2,863.63**	**$4,295.44**	**$179,859.44**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613089 **Lot Type:** PREMIUM
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613090 **Lot Type:** PREMIUM
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613091 **Lot Type:** PREMIUM
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613092 **Lot Type:** PREMIUM
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613093 **Lot Type:** PREMIUM
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613094 **Lot Type:** PREMIUM
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

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(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613095 **Lot Type:** PREMIUM
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$4,077.12	$4,077.12	$99,039.08	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$5,894.63	$5,894.63	$99,039.08	$515.83	$198.08	$297.12	$1,985.50
2016	$1,547.49	$5,894.63	$7,442.12	$99,039.08	$526.15	$198.08	$297.12	$8,453.58
2017	$1,547.49	$5,807.58	$7,355.07	$97,491.59	$536.67	$194.98	$292.47	$8,379.20
2018	$1,547.49	$5,720.54	$7,268.02	$95,944.11	$547.40	$191.89	$287.83	$8,295.15
2019	$1,805.40	$5,633.49	$7,438.89	$94,396.62	$558.35	$188.79	$283.19	$8,469.22
2020	$1,805.40	$5,531.94	$7,337.34	$92,591.22	$569.52	$185.18	$277.77	$8,369.81
2021	$2,063.31	$5,430.38	$7,493.70	$90,785.82	$580.91	$181.57	$272.36	$8,528.53
2022	$2,063.31	$5,314.32	$7,377.64	$88,722.51	$592.52	$177.45	$266.17	$8,413.77
2023	$2,321.23	$5,198.26	$7,519.49	$86,659.19	$604.38	$173.32	$259.98	$8,557.16
2024	$2,321.23	$5,067.69	$7,388.92	$84,337.96	$616.46	$168.68	$253.01	$8,427.07
2025	$2,321.23	$4,937.12	$7,258.35	$82,016.74	$628.79	$164.03	$246.05	$8,297.23
2026	$2,579.14	$4,806.55	$7,385.70	$79,695.51	$641.37	$159.39	$239.09	$8,425.54
2027	$2,837.06	$4,661.48	$7,498.53	$77,116.37	$654.20	$154.23	$231.35	$8,538.31
2028	$2,837.06	$4,501.89	$7,338.95	$74,279.31	$667.28	$148.56	$222.84	$8,377.63
2029	$3,094.97	$4,331.67	$7,426.64	$71,442.25	$680.62	$142.88	$214.33	$8,464.48
2030	$3,352.89	$4,145.97	$7,498.86	$68,347.28	$694.24	$136.69	$205.04	$8,534.83
2031	$3,352.89	$3,944.80	$7,297.68	$64,994.39	$708.12	$129.99	$194.98	$8,330.78
2032	$3,610.80	$3,743.63	$7,354.43	$61,641.51	$722.28	$123.28	$184.92	$8,384.92
2033	$3,868.71	$3,526.98	$7,395.69	$58,030.71	$736.73	$116.06	$174.09	$8,422.58
2034	$4,126.63	$3,294.85	$7,421.48	$54,162.00	$751.46	$108.32	$162.49	$8,443.76
2035	$4,384.54	$3,047.26	$7,431.80	$50,035.37	$766.49	$100.07	$150.11	$8,448.47
2036	$4,642.46	$2,784.18	$7,426.64	$45,650.82	$781.82	$91.30	$136.95	$8,436.72
2037	$4,900.37	$2,505.64	$7,406.01	$41,008.37	$797.46	$82.02	$123.03	$8,408.51
2038	$5,158.29	$2,211.61	$7,369.90	$36,108.00	$813.41	$72.22	$108.32	$8,363.85
2039	$5,416.20	$1,895.67	$7,311.87	$30,949.71	$829.68	$61.90	$92.85	$8,296.30
2040	$5,932.03	$1,563.93	$7,495.96	$25,533.51	$846.27	$51.07	$76.60	$8,469.89
2041	$6,189.94	$1,200.59	$7,390.53	$19,601.48	$863.20	$39.20	$58.80	$8,351.74
2042	$6,447.86	$821.46	$7,269.31	$13,411.54	$880.46	$26.82	$40.23	$8,216.83
2043	$6,963.69	$426.53	$7,390.21	$6,963.69	$898.07	$13.93	$20.89	$8,323.10
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$99,039.08**	**$117,922.41**	**$216,961.49**		**$20,010.14**	**$3,779.99**	**$5,669.99**	**$237,414.47**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613836 **Lot Type:** FISH CAMP
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$525.08	$525.08	$12,755.03	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$759.16	$759.16	$12,755.03	$66.43	$25.51	$38.27	$255.71
2016	$199.30	$759.16	$958.45	$12,755.03	$67.76	$25.51	$38.27	$1,088.72
2017	$199.30	$747.95	$947.24	$12,555.74	$69.12	$25.11	$37.67	$1,079.14
2018	$199.30	$736.74	$936.03	$12,356.44	$70.50	$24.71	$37.07	$1,068.31
2019	$232.51	$725.53	$958.04	$12,157.14	$71.91	$24.31	$36.47	$1,090.73
2020	$232.51	$712.45	$944.96	$11,924.63	$73.35	$23.85	$35.77	$1,077.93
2021	$265.73	$699.37	$965.10	$11,692.11	$74.81	$23.38	$35.08	$1,098.37
2022	$265.73	$684.42	$950.15	$11,426.38	$76.31	$22.85	$34.28	$1,083.59
2023	$298.95	$669.47	$968.42	$11,160.65	$77.84	$22.32	$33.48	$1,102.06
2024	$298.95	$652.66	$951.60	$10,861.71	$79.39	$21.72	$32.59	$1,085.30
2025	$298.95	$635.84	$934.79	$10,562.76	$80.98	$21.13	$31.69	$1,068.58
2026	$332.16	$619.03	$951.19	$10,263.82	$82.60	$20.53	$30.79	$1,085.11
2027	$365.38	$600.34	$965.72	$9,931.65	$84.25	$19.86	$29.79	$1,099.63
2028	$365.38	$579.79	$945.17	$9,566.27	$85.94	$19.13	$28.70	$1,078.94
2029	$398.59	$557.87	$956.46	$9,200.90	$87.66	$18.40	$27.60	$1,090.12
2030	$431.81	$533.95	$965.76	$8,802.30	$89.41	$17.60	$26.41	$1,099.18
2031	$431.81	$508.04	$939.85	$8,370.49	$91.20	$16.74	$25.11	$1,072.90
2032	$465.03	$482.13	$947.16	$7,938.68	$93.02	$15.88	$23.82	$1,079.88
2033	$498.24	$454.23	$952.48	$7,473.65	$94.88	$14.95	$22.42	$1,084.73
2034	$531.46	$424.34	$955.80	$6,975.41	$96.78	$13.95	$20.93	$1,087.45
2035	$564.68	$392.45	$957.13	$6,443.95	$98.72	$12.89	$19.33	$1,088.06
2036	$597.89	$358.57	$956.46	$5,879.27	$100.69	$11.76	$17.64	$1,086.55
2037	$631.11	$322.70	$953.80	$5,281.38	$102.70	$10.56	$15.84	$1,082.91
2038	$664.32	$284.83	$949.15	$4,650.27	$104.76	$9.30	$13.95	$1,077.16
2039	$697.54	$244.14	$941.68	$3,985.95	$106.85	$7.97	$11.96	$1,068.46
2040	$763.97	$201.41	$965.39	$3,288.41	$108.99	$6.58	$9.87	$1,090.82
2041	$797.19	$154.62	$951.81	$2,524.43	$111.17	$5.05	$7.57	$1,075.60
2042	$830.41	$105.79	$936.20	$1,727.24	$113.39	$3.45	$5.18	$1,058.23
2043	$896.84	$54.93	$951.77	$896.84	$115.66	$1.79	$2.69	$1,071.91
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$12,755.03**	**$15,186.98**	**$27,942.01**		**$2,577.06**	**$486.82**	**$730.23**	**$30,576.11**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613837 **Lot Type:** FISH CAMP
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$525.08	$525.08	$12,755.03	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$759.16	$759.16	$12,755.03	$66.43	$25.51	$38.27	$255.71
2016	$199.30	$759.16	$958.45	$12,755.03	$67.76	$25.51	$38.27	$1,088.72
2017	$199.30	$747.95	$947.24	$12,555.74	$69.12	$25.11	$37.67	$1,079.14
2018	$199.30	$736.74	$936.03	$12,356.44	$70.50	$24.71	$37.07	$1,068.31
2019	$232.51	$725.53	$958.04	$12,157.14	$71.91	$24.31	$36.47	$1,090.73
2020	$232.51	$712.45	$944.96	$11,924.63	$73.35	$23.85	$35.77	$1,077.93
2021	$265.73	$699.37	$965.10	$11,692.11	$74.81	$23.38	$35.08	$1,098.37
2022	$265.73	$684.42	$950.15	$11,426.38	$76.31	$22.85	$34.28	$1,083.59
2023	$298.95	$669.47	$968.42	$11,160.65	$77.84	$22.32	$33.48	$1,102.06
2024	$298.95	$652.66	$951.60	$10,861.71	$79.39	$21.72	$32.59	$1,085.30
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2026	$332.16	$619.03	$951.19	$10,263.82	$82.60	$20.53	$30.79	$1,085.11
2027	$365.38	$600.34	$965.72	$9,931.65	$84.25	$19.86	$29.79	$1,099.63
2028	$365.38	$579.79	$945.17	$9,566.27	$85.94	$19.13	$28.70	$1,078.94
2029	$398.59	$557.87	$956.46	$9,200.90	$87.66	$18.40	$27.60	$1,090.12
2030	$431.81	$533.95	$965.76	$8,802.30	$89.41	$17.60	$26.41	$1,099.18
2031	$431.81	$508.04	$939.85	$8,370.49	$91.20	$16.74	$25.11	$1,072.90
2032	$465.03	$482.13	$947.16	$7,938.68	$93.02	$15.88	$23.82	$1,079.88
2033	$498.24	$454.23	$952.48	$7,473.65	$94.88	$14.95	$22.42	$1,084.73
2034	$531.46	$424.34	$955.80	$6,975.41	$96.78	$13.95	$20.93	$1,087.45
2035	$564.68	$392.45	$957.13	$6,443.95	$98.72	$12.89	$19.33	$1,088.06
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2039	$697.54	$244.14	$941.68	$3,985.95	$106.85	$7.97	$11.96	$1,068.46
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2043	$896.84	$54.93	$951.77	$896.84	$115.66	$1.79	$2.69	$1,071.91
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$12,755.03**	**$15,186.98**	**$27,942.01**		**$2,577.06**	**$486.82**	**$730.23**	**$30,576.11**

DRAFT

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(b) Assumes Annual Installment has not been paid for such Tax Year.

Appendix A
Annual Installments by Parcel ID

Parcel ID: 613838 **Lot Type:** FISH CAMP
Number of Units: 1

Tax Year (a)	Principal	Interest	Net Debt Service	Remaining Principal Balance (b)	Administrative Expenses	Prepayment Reserve	Delinquency Reserve	Annual Installment
2014	$0.00	$525.08	$525.08	$12,755.03	$0.00	$0.00	$0.00	$0.00
2015	$0.00	$759.16	$759.16	$12,755.03	$66.43	$25.51	$38.27	$255.71
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2024	$298.95	$652.66	$951.60	$10,861.71	$79.39	$21.72	$32.59	$1,085.30
2025	$298.95	$635.84	$934.79	$10,562.76	$80.98	$21.13	$31.69	$1,068.58
2026	$332.16	$619.03	$951.19	$10,263.82	$82.60	$20.53	$30.79	$1,085.11
2027	$365.38	$600.34	$965.72	$9,931.65	$84.25	$19.86	$29.79	$1,099.63
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2031	$431.81	$508.04	$939.85	$8,370.49	$91.20	$16.74	$25.11	$1,072.90
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2033	$498.24	$454.23	$952.48	$7,473.65	$94.88	$14.95	$22.42	$1,084.73
2034	$531.46	$424.34	$955.80	$6,975.41	$96.78	$13.95	$20.93	$1,087.45
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2037	$631.11	$322.70	$953.80	$5,281.38	$102.70	$10.56	$15.84	$1,082.91
2038	$664.32	$284.83	$949.15	$4,650.27	$104.76	$9.30	$13.95	$1,077.16
2039	$697.54	$244.14	$941.68	$3,985.95	$106.85	$7.97	$11.96	$1,068.46
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2043	$896.84	$54.93	$951.77	$896.84	$115.66	$1.79	$2.69	$1,071.91
2044	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total	**$12,755.03**	**$15,186.98**	**$27,942.01**		**$2,577.06**	**$486.82**	**$730.23**	**$30,576.11**

DRAFT

(a) Tax Year 2019 Annual Installments will become due by January 31, 2020
(b) Assumes Annual Installment has not been paid for such Tax Year.

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City of Galveston

P. O. Box 779 / Galveston, Texas 77553-0779

Staff Report

October 17, 2019

Industrial Development Corporation

Subject: Consideration of an Economic Development Agreement between the Industrial Development Corporation, and the City of Galveston for improvements and the maintenance of those improvements along 27th Street from Broadway to Market Street.

I. Background

A. 27th Street Phase I (Broadway to Avenue O) was approved by Council on October 13, 2016.

B. 27th Street Phase II (Avenue O to Seawall) was approved by Council on September 13, 2018.

C. The Industrial Development Corp. (IDC) approved an agreement for 27th Street Phase III (Broadway to Market Street) on August 6, 2019.

D. The public hearing was held on September 10th, 2019.

II. Current Situation

A. The Industrial Development Corporation is requested to consider approval of an Economic Development Agreement between the Industrial Development Corporation and the City of Galveston for improvements and the maintenance of those improvements along 27th Street from Broadway to Market Street.

B. Description of Work
   a. Mobilization and Miscellaneous Site Work
   b. Pavers, Ramps, Steppers, Sidewalks, Curb & Gutter
   c. Landscaping, Bench, Trash Receptacles, etc.
   d. Light Poles and Electrical
   e. Irrigation
   f. Demolition and Disposal
   g. Crosswalks and Bike Lanes, Pavement Markings/Pave Way Systems, Median
   h. Construction Material Testing and Inspection
   i. Storm water and Utilities Adjustments

III. Recommendation

Approve the Economic Development Agreement between the IDC and the City of Galveston.

IV. Fiscal Impact Report

Staff	Garrett McLeod
Funding Source	4B IDC Funds
Cost	$500,000.00

V. Economic Impact

Enhances property values, safety, and aesthetics on significant community corridor, between Broadway and Seawall. This Phase III project continues the urban design theme utilized in Phase I & II, extending the corridor improvements from Broadway to Market Street.

Respectfully Submitted,

_____
Garrett McLeod
Economic Dev. Coordinator

ECONOMIC DEVELOPMENT GRANT AGREEMENT
BETWEEN THE CITY OF GALVESTON, TEXAS
AND
THE INDUSTRIAL DEVELOPMENT CORPORATION
OF THE CITY OF GALVESTON, TEXAS

This Agreement is entered into this _____ day of _____, 2019, by and between the City of Galveston, Texas, a home rule municipal corporation (the "CITY"), and the Industrial Development Corporation of the City of Galveston, Texas (the "IDC"), a Texas nonprofit corporation established pursuant to the Development Corporation Act of 1979 and now codified in Chapters 501, 502, 504 and 505 of the Texas Local Government Code (hereafter referred to as the "Act").

WITNESSETH:

WHEREAS, pursuant to the Act, the IDC is authorized to provide funding relating to projects that the IDC finds to be encompassed within the definition of "Projects," as that word is defined by Chapters 501 and 505 of the Act; and

WHEREAS, The IDC has approved as a project of the Corporation, certain expenditures found by the board of directors to promote or develop new or expanded business enterprises that create or retain primary jobs that provide public safety facilities, streets and roads, drainage and related improvements, demolition of existing structures, general municipally owned improvements, and any improvements or facilities related to such facilities, improvements and structures along 27th Street from Broadway to Market Street ; and

WHEREAS, The IDC has approved as a project of the Corporation, certain expenditures that are found by the board of directors to be required or suitable for infrastructure necessary to promote or develop new or expanded business enterprises for streets and roads, rail spurs, water and sewer utilities, electric utilities, or gas utilities, drainage, site improvements, and related improvements along 27th Street from Broadway to Market Street; and

WHEREAS, The IDC has approved as a project of the Corporation recreation or community facilities including land, buildings, equipment, facilities, and improvements found by the board of directors to be required or suitable for use for entertainment, tourist, convention, and public park purposes and events, including stadiums, ball parks, auditoriums, amphitheaters, concert halls, parks and park facilities, open space improvements, museums, exhibition facilities, and related store, restaurant, concession, and automobile parking facilities, related area transportation facilities, and related roads, streets, and water and sewer facilities, and other related improvements to provide for a walkable streetscape along 27th Street from Broadway to Market Street.

WHEREAS, the CITY has applied for a grant from the IDC for a walkable streetscape along 27th Street from Broadway to Market Street; and

WHEREAS, the IDC has determined that such a grant complies with the Act and is in keeping with the mission of IDC.

NOW, THEREFORE, for and in consideration of the recitals set forth above and the promises made herein, the CITY and the IDC agree as follows:

ARTICLE I.
IDC'S OBLIGATIONS

Subject to the terms and conditions set forth in Article II hereof, upon execution of this Agreement, the IDC will provide a grant to the CITY as follows:

The IDC agrees to pay to the City of Galveston Five Hundred Thousand Dollars and No Cents plus administrative costs for the following activities to be performed within the City of Galveston, Texas:

No.	Description of Work
1	Mobilization and Miscellaneous Site Work
2	Pavers, Ramps, Steppers, Sidewalks, Curb & Gutter
3	Landscaping, Bench, Trash Receptacles, etc.
4	Light Poles and Electrical
5	Irrigation
6	Demolition and Disposal
7	Crosswalks and Bike Lanes, Pavement Markings/Pave way Systems, Median
8	Construction Material Testing and Inspection
9	Storm water and Utilities Adjustments

The IDC will request a full accounting of the funds expended on the "27th Street" project no later than sixty (60) days after completion of "27th Street" project. If, after completion of the construction of the "27th Street" project there are funds remaining and/or savings from "27th Street" project and received from City, IDC shall return such funds to the IDC.

ARTICLE II.
CITY'S OBLIGATIONS

A. Following the execution of this Agreement, the CITY shall begin efforts to implement the activities described in Article I of this Agreement. The construction of the "27th Street" project shall be completed within 24 months. The CITY's failure to complete the construction of the "27th Street" project within 24 months will constitute a breach of the Agreement and result in immediate termination of this agreement with no opportunity to cure. The failure by the CITY to develop and implement the activities described in Article I of this Agreement shall constitute a breach of this Agreement. The CITY understands and agrees that, in the event termination of this Agreement by CITY, or pursuant to Article V of this Agreement, the CITY shall reimburse the IDC the full amount of money paid by the IDC to the CITY.

B. In accordance with Chapter 2264 of the Texas Government Code, the CITY agrees not to knowingly employ any undocumented workers. During the term of this Agreement, the CITY shall notify the IDC of any complaint brought against CITY alleging that it has employed undocumented workers. If the CITY, or any branch, division or department of the CITY is convicted of a violation under 8 U.S.C. Section 1324a (f), the total amount of economic development grants it has received, together with interest at the rate of five percent (5%), shall be repaid by the CITY to the IDC not later than the one hundred twentieth (120th) day after the date the IDC becomes aware of and notifies the CITY of the violation. The CITY shall not be liable for a violation of Chapter 2264 by a subsidiary, affiliate, or franchisee, or by any person with whom the CITY contracts. The CITY shall reimburse the IDC the required amount within thirty (30) days of the termination of this Agreement.

C. The CITY shall keep and maintain complete and accurate records relating to its hiring and employment of persons, which is separate and identifiable from its other records, and shall make such records available for not less than three (3) years following termination of this Agreement. The IDC and its representatives shall be entitled to inspect said records during the term of this Agreement and for three (3) years thereafter, upon reasonable notice to the CITY. The CITY's failure to comply with this provision will constitute a breach of the Agreement.

D. Upon completion of the "27th Street" project, but no later than sixty (60) days after, CITY will furnish the IDC with a full accounting of the funds expended on the "27th Street" project.

E. At the conclusion of the construction of the "27th Street" project all monies not spent directly on the "27th Street" shall be returned to the IDC. CITY will make an accounting of all expenses expended pursuant to this Agreement.

ARTICLE III.
CITY'S REPRESENTATIONS AND WARRANTIES

A. The CITY represents and warrants, as of the date hereof, that:

1. the CITY is a local governmental entity of the State of Texas;

2. execution of this Agreement has been duly authorized by the CITY and this Agreement is not in contravention of the CITY's governing authority or any agreement or instrument to which the CITY is a party or by which it may be bound as of the date hereof;

3. no litigation or governmental proceeding is pending or, threatened against or affecting the CITY that may result in a material adverse change in the CITY's business, properties, or operations sufficient to jeopardize the CITY's legal existence; and

4. No written application, written statement, or correspondence submitted by the CITY to the IDC in connection with this Agreement, or in connection with any transaction contemplated hereby contains any untrue statement of a material fact or fails to state any material fact necessary to keep the statements contained therein from being misleading. The CITY agrees that, upon execution of this Agreement, its application shall be attached and incorporated for all purposes.

B. Except as expressly set forth in this Article III, the CITY makes no other representation or warranty of any kind in connection with or related to the provisions of this Agreement.

ARTICLE IV.
IDC'S REPRESENTATIONS AND WARRANTIES

A. The IDC represents and warrants, as of the date hereof, that:

1. The IDC, to the best of the knowledge of its Board of Directors, is legally authorized to enter into this Agreement by virtue of the statute under which it is governed and by the authorities and powers vested in it as a corporation duly and properly organized under the Act;

2. The execution of this Agreement has been duly authorized by the IDC;

3. No litigation or governmental proceeding is pending, or, to the knowledge of any of the IDC's officers, threatened against or affecting the IDC, that may result in the IDC's inability to meet its obligations under this Agreement;

4. *In accordance with Chapter 2270, Texas Government Code, a governmental entity may not enter into a contract with a company for goods or services unless the contract contains a written verification from the company that it: (1) does not boycott Israel; and (2) will not boycott Israel during the term of the contract. The signatory executing this contract on behalf of City verifies that the company does not boycott Israel and will not boycott Israel during the term of this contract; and*

5. The IDC has no reasonable basis for believing that it has or will have incurred debts beyond its ability to pay as such debts mature, including, but not limited to, the obligations set forth in this Agreement.

B. Except as expressly set forth in this Article IV, the IDC makes no other representation or warranty of any kind in connection with or related to the provisions of this Agreement.

ARTICLE V.

REMEDIES

A. Except as otherwise provided in this Agreement, in the event of any default in or breach of this Agreement by any party hereto, or any successor to such party, such defaulting or breaching party shall, upon written notice from the other party, proceed immediately to cure or remedy such default or breach, and, in any event, within sixty (60) days after receipt of such notice. In the event that remedial action is not taken or not diligently pursued and the default or breach shall not be cured or remedied within a reasonable time (but in no event later than ninety (90) days from the date of notification of such breach), the aggrieved party may institute such proceedings as may be necessary or desirable in its opinion to cure and remedy such default or breach, including, but not limited to, seeking specific performance and/or injunctive relief.

B. Upon breach of this Agreement by either party and the failure to cure as permitted by this Article V, the non-breaching party shall have the sole right and discretion to either terminate this Agreement and/or pursue any and all remedies that may be provided by law and this Agreement. Each party acknowledges and agrees that the CITY is not entitled to recover any amounts in excess of the grant money contracted for under this Agreement and that the IDC, pursuant to a breach and failure to cure by the CITY in accordance with this Agreement, is entitled to recover attorney fees,

collection costs, and any other costs due to its pursuit of repayment and remedies under this Agreement.

C. Any delay by any party in instituting or prosecuting any actions or proceedings or otherwise asserting its rights will not, so long as the breach or default by another party is continuing, operate as a waiver of such rights or to deprive it of or limit such rights in any way; nor will any waiver in fact be made by any party with respect to any specific default by any other party except to the extent specifically waived in writing.

ARTICLE VI.
GENERAL PROVISIONS

A. Severability. The provisions of this Agreement are severable and, if for any reason, a provision of this Agreement is determined to be invalid by a court having competent jurisdiction over the subject matter of the invalid provision, the invalidity shall not affect other provisions that can be given effect without the invalid provision. Further, in lieu of such illegal, invalid, or unenforceable provision, there will be added automatically as a part of this Agreement, a provision as similar in its terms to such illegal, invalid, or unenforceable provision as may be possible and be legal, valid, and enforceable.

B. Amendment. This Agreement may be amended only by written amendment signed by both parties hereto.

C. Venue. All payments made pursuant to this Agreement and other obligations performed under this Agreement shall be made or performed in Galveston County, Texas. Venue will lie in Galveston County, Texas; and this Agreement is governed by and construed in accordance with the laws of the State of Texas without respect to the conflict of laws thereof.

D. Notices. All notices given with respect to this Agreement must be in writing and will be deemed to have been properly given for all purposes (i) if sent by a nationally recognized overnight carrier for next business day delivery, on the first business day following deposit of such notice with such carrier unless such carrier confirms such notice was not delivered, then on the day such carrier actually delivers such notice, or (ii) if personally delivered, on the actual date of delivery, or (iii) if sent by certified U.S. Mail, return receipt requested, postage prepaid, on the fifth (5th) business day following the date of mailing, or (iv) if sent by facsimile, then on the actual date of delivery (as evidenced by a facsimile confirmation), provided that a copy of the facsimile and confirmation is also sent by regular U.S. Mail, addressed as follows:

For the IDC: President
City of Galveston, Texas
Industrial Development Corporation
P.O. Box 779
Galveston, Texas 77553
Facsimile: (409) 797-3521

With a copy to: City Manager
ATTN: Director, Economic Development
City of Galveston
P.O. Box 779
Galveston, Texas 77553
Facsimile: (409) 797-3521

For the CITY: City Manager
City of Galveston
P. O. Box 779
Galveston, Texas 77553
Facsimile: (409) 797-3521

With a copy to: City Attorney
City of Galveston
P. O. Box 779
Galveston, Texas 77553
Facsimile: (409) 797-3531

E. Assignment. This Agreement may not be assigned by either party without the specific prior written consent of the other, which consent will not be unreasonably withheld. In the event that a party consents to any valid assignment of this Agreement by the other party hereto, the assigning party will be relieved of any and all obligations and liabilities on the part of such assigning party under this Agreement.

F. Parties in Interest. Nothing in this Agreement shall entitle any party other than the CITY or the IDC to any claim, cause of action, remedy or right of any.

G. Term. The term of this Agreement (the "Term") will commence upon execution of this Agreement and shall terminate on the earlier occurrence of: (i) completion of the work described in Article I; (ii) when terminated by mutual agreement of the parties; (iii) when terminated pursuant to Article V hereof; (iv) at the CITY's sole and absolute discretion upon the CITY's return of all grant funding to the IDC that it has received under this Agreement; (v) upon the CITY's repayment of all monies that are demanded by the IDC and are in fact required to be repaid by the CITY under Article II hereof; or (vi) upon the failure to complete the project within 24 months. Upon termination of this Agreement, all rights, duties and obligations of any kind under this Agreement shall automatically expire and terminate and be of no other force and effect.

H. Interpretation. Each party has had the opportunity to be represented by counsel of its choice in negotiating this Agreement. This Agreement will therefore, be deemed to have been negotiated and prepared at the joint request, direction, and construction of the parties, at arm's length, with the advice and participation of counsel, and will be interpreted in accordance with its terms without favor to any party.

I. No Joint Venture. Nothing contained in this Agreement is intended by the parties to create a partnership or joint venture between the parties.

J. Survival of Terms. All rights, duties, liabilities, and obligations accrued prior to termination will survive termination.

K Public Information. Information provided by or on behalf of the CITY under or pursuant to this Agreement that the CITY considers as proprietary shall be marked as such and will be maintained as confidential to the extent allowed by law. If proprietary financial or trade secret information is requested under the Texas Public Information Act, the IDC shall follow the standards set out in the Act and under the Texas Attorney General's procedures for such requests, and the CITY shall be responsible for defending the confidentiality of such information. Other records and information provided to the IDC and its representatives to verify compliance with this Agreement shall be available for public inspection.

L. Counterparts. This Agreement may be executed in several identical counterparts by the parties and each counterpart, when so executed and delivered, shall constitute an original instrument.

M. Entire Agreement. This Agreement represents the entire agreement of the parties with respect to the subject matter hereof.

EXECUTED AND EFFECTIVE, as of the date first indicated above, by the CITY OF GALVESTON, TEXAS, INDUSTRIAL DEVELOPMENT CORPORATION, by and through its Board President, duly authorized to execute same by action of its Board; and

by the CITY COUNCIL OF THE CITY OF GALVESTON, TEXAS acting through its duly authorized official.

CITY OF GALVESTON, TEXAS, INDUSTRIAL DEVELOPMENT CORPORATION

By: _____
Name: James D. Yarbrough
Title: President, Board of Directors
Date: _____

ATTEST:

By: _____
Name: Brandon Cook
Title: Secretary, Board of Directors

APPROVED AS TO FORM:

By: _____
Name: Art Pertile
Title Counsel for the Corporation

CITY OF GALVESTON, TEXAS

By: _____
Name: Brian Maxwell
Title: City Manager
Date: _____

ATTEST:

By: _____
Name: Janelle Williams
Title: City Secretary

APPROVED AS TO FORM:

By: _____
Name: Donald S. Glywasky
Title: City Attorney

INDUSTRIAL DEVELOPMENT CORPORATION
RESOLUTION NO. 19-000

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE INDUSTRIAL DEVELOPMENT CORPORATION OF THE CITY OF GALVESTON, TEXAS, APPROVING A PROJECT OF THE CORPORATION THE CONSTRUCTION AND MANAGEMENT OF CERTAIN INFRASTRUCTURE, RECREATION OR COMMUNITY FACILITIES IMPROVEMENTS FOR A WALKABLE STREETSCAPE ALONG 27TH STREET FROM BROADWAY TO MARKET STREET.

BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE INDUSTRIAL DEVELOPMENT CORPORATION OF THE CITY OF GALVESTON:

Section 1. The Board of Directors of the Industrial Development Corporation of the City of Galveston, Texas (the "Corporation") hereby creates the "27th Street Walkable Streetscape III" project.

Section 2. The Corporation does hereby approve as a project of the Corporation certain expenditures found by the board of directors to promote or develop new or expanded business enterprises that create or retain primary jobs that provide public safety facilities, streets and roads, drainage and related improvements, demolition of existing structures, general municipally owned improvements, and any improvements or facilities related to such facilities, improvements and structures along 27th Street from Broadway to Market Street; and

Section 3. The Corporation does hereby approve as a project of the Corporation certain expenditures that are found by the board of directors to be required or suitable for infrastructure necessary to promote or develop new or expanded business enterprises for streets and roads, rail spurs, water and sewer utilities, electric utilities, or gas utilities, drainage, site improvements, and related improvements along 27th Street from Broadway to Market Street; and

Section 4. The Corporation does hereby approve as a project of the Corporation recreation or community facilities including land, buildings, equipment, facilities, and improvements found by the board of directors to be required or suitable for use for entertainment, tourist, convention, and public park purposes and events, including stadiums, ball parks, auditoriums, amphitheaters, concert halls, parks and park facilities, open space improvements, museums, exhibition facilities, and related store, restaurant, concession, and automobile parking facilities, related area transportation facilities, and related roads, streets, and water and sewer facilities, and other related improvements to provide for a walkable streetscape along 27th Street from Broadway to Market Street.

Section 5. The Project is more fully described in the document attached hereto and incorporated for all purposes as **Exhibit B**. The Corporation does hereby find that the expenditures, land, buildings, equipment, facilities, and improvements are required or suitable for the Project.

Section 6. The estimated amount of expenditures for the Project is Five Hundred Thousand Dollars and No Cents plus administrative costs.

Section 7. A public hearing before the Industrial Development Corporation of the City of Galveston, Texas, is hereby called regarding the proposed Project. Said public hearing shall be held at 9:00 o'clock a.m. on Wednesday, _____, 2019, at City Hall 823 Rosenberg, Room 204, Galveston, Texas 77550.

Section 8. A notice of such public hearing shall be published in a newspaper of general circulation within the City of Galveston, Texas, in the form attached hereto as **Exhibit A**.

PASSED, APPROVED, AND RESOLVED on this __ day of _____, 2019.

CITY OF GALVESTON, TEXAS,
INDUSTRIAL DEVELOPMENT CORPORATION

_____
James D. Yarbrough, President
Board of Directors

ATTEST:

_____
Brandon Cook, Secretary
Board of Directors

APPROVED AS TO FORM:

_____
Art Pertile
Counsel for the Corporation

Exhibit "A"

INDUSTRIAL DEVELOPMENT CORPORATION OF THE CITY OF GALVESTON, TEXAS
NOTICE OF PROJECT AND NOTICE OF PUBLIC HEARING

The Industrial Development Corporation of the City of Galveston ("Corporation") hereby gives notice pursuant to Section 505.159 of the Texas Local Government Code that the Corporation has adopted, as a project the following:

The construction of a walkable streetscape along 27th Street from Broadway to Market Street.

The estimated amount of expenditures for the Project is Five Hundred Thousand Dollars and No Cents plus administrative costs. The Corporation hereby gives notice that it will conduct a public hearing to solicit citizen input on the proposed Project. The public hearing shall be held at 9:00 o'clock a.m. on _____ 2019 at City Hall 823 Rosenberg, Room 204, Galveston, Texas 77550. Interested citizens are invited to attend and will be given an opportunity to be heard.

EXHIBIT B

No.	Description of Work
1	Mobilization and Miscellaneous Site Work
2	Pavers, Ramps, Steppers, Sidewalks, Curb & Gutter
3	Landscaping, Bench, Trash Receptacles, etc.
4	Light Poles and Electrical
5	Irrigation
6	Demolition and Disposal
7	Crosswalks and Bike Lanes, Pavement Markings/Pave way Systems, Median
8	Construction Material Testing and Inspection
9	Storm water and Utilities Adjustments

Staff Report

October 8, 2019

Brian Maxwell, City Manager
Honorable Mayor and City Council Members

Subject: Consider for approval the permitting of overnight camping in the areas of 25th to 21st and Seawall Blvd. from Thursday, October 31, 2019 through Sunday, November 3, 2019, which will allow the Lone Star Rally vendors the availability to setup in the event venue.

I. Background

A. The Lone Star Rally vendors are scheduled to begin setup on Seawall Blvd.

B. The venue as described in the Lone Star Rally agreement (page 2, section 4) will be from 25th to 20st and Seawall Blvd. and will encompass the north section of the Seawall. West bound traffic will be diverted and the east bound traffic will continue on Seawall Blvd.

C. The Traffic Division will have barricades in place.

D. The Galveston Police Dept. will have officers assigned to this area.

E. City staff is requesting approval of the lifting of the overnight camping ban as defined in the Galveston Code of Ordinances, Section 8-6 to accommodate this event in the described location.

II. Current Situation

The City Council will have to approve the permitting of overnight camping in the areas of 25th to 21st and Seawall Blvd. from Thursday, October 31, 2019 through Sunday, November 3, 2019, which will allow the Lone Star Rally vendors the availability to setup in the event venue.

III. Alternatives in order of priority

A. City Council approves the lifting of the ban.

1. Cost - no cost to the city
2. Timing - needed prior to the event
3. Divisional Improvements - N/A

B. City Council does not approve the lifting of the ban.

1. Cost - no cost to the city
2. Timing - N/A
3. Divisional Improvements - N/A

IV. Recommendation

Concur in Alternative A and approve the permitting of overnight camping in the areas of 25th to 21st and Seawall Blvd. from Thursday, October 31, 2019 through Sunday, November 3, 2019, which will allow the Lone Star Rally vendors the availability to setup in the event venue.

V. Fiscal Impact Report

Requested by	David Smith Executive Director
Funding Source	N/A
Savings Estimation	N/A

VII. Environmental Impact

N/A

Respectfully Submitted,

David Smith
Executive Director

Sec. 8-6. - Camping on beaches.

(a) The term "camping" shall mean to use for habitation any tent, lean-to, sleeping bag, blanket, vehicle, trailer, camper, or other means of shelter. Nothing contained in this definition shall prevent the use of umbrellas, sun shades, small tents and the use of usual beach equipment for temporary use and not for human habitation.

(b) It shall be unlawful for any person to camp on any public beach within the city limits between the hours of 12:00 midnight and 5:00 a.m.

(c) The provisions of subsection (b) shall not apply to:

(1) Camping in a tourist camp or automobile tourist camp duly authorized and designated by ordinance.

(2) Camping in areas designated by ordinance, resolution or other official action of the city council.

(d) It shall be unlawful for any person to camp at any location on the Seawall Boulevard between the hours of midnight and 5:00 a.m.

(Code 1960, § 4-11.1; Ord. No. 82-8, § 1, 1-21-82; Ord. No. 83-37, § 1, 6-16-83; Ord. No. 01-031, § 3, 6-14-01; Ord. No. 02-057, § 2, 6-27-02)

LONE STAR MOTORCYCLE RALLY
CONTRACT AGREEMENT

2017-19

This Exclusive Agreement and Contract (hereinafter "Agreement) is entered into this 26th day of July, 2017. By and between Lone Star Rally, Inc. (hereinafter "LSR) and the City of Galveston (hereinafter "City"), also known collectively as "the parties".

LSR and City have "partnered" over the past 14 years to plan, organize, promote and manage a motorcycle rally/event known as the "Lone Star Motorcycle Rally", which has taken place in Galveston, Texas.

The City Manager is designated by the City Council to implement, administer and enforce this agreement.

The parties agree as follows:

1. Term:
   The original term of this agreement shall be from the effective date through December 31, 2019 unless sooner terminated or amended as provided by the terms of this agreement. Thereafter, subject to the terms set out herein and upon mutual written agreement of the parties, this Agreement may be extended for an additional two year term through December 31, 2021. The City Manager may grant this two year option without further City Council approval.

2. Dates: The annual motorcycle rally produced by LSR from 2017 through 2019:

   - Thursday, November 2, 2017, at 12:01 a.m. through Sunday, November 5, 2017 at 11:59 p.m.
   - Thursday, November 8, 2018, at 12:01 a.m. through Sunday, November 11, 2018 at 11:59 p.m.
   - Thursday, November 7, 2019, at 12:01 a.m. through Sunday, November 10, 2019 at 11:59 p.m.
   - Thursday, November 5, 2020, at 12:01 a.m. through Sunday, November 8, 2020 at 11:59 p.m.
   - Thursday, November 4, 2021, at 12:01 a.m., through Sunday, November 7, 2021 at 11:59 p.m.

3. Exclusivity: City agrees that for the term of this Agreement, it will not accept or approve any other Special Event application for a motorcycle rally or any event resembling a motorcycle rally for the period commencing one hundred twenty (120) days prior to the start of the event and ending one hundred twenty (120) days after the conclusion of the event.

4. Venue: The rally/event shall take place in Galveston with the following street closures/diversions/traffic patterns:

   - Close along the Strand from the west side of 20th Street to the east side of 25th Street from 6:00 pm Wednesday until the end of the rally on Sunday
   - Traffic will flow east to west
   - Close from 6:00 pm on Tuesday until the end of the rally:
   - 21st Street from the south side of Harborside to the north side of Mechanic;
   - 22nd Street from the south side of the alley between Harborside and Strand to the north side of Mechanic;
   - 23rd Street from the south side of Harborside to the north side of Mechanic;
   - 24th Street from the south side of Harborside to the north side of Mechanic;
   - Close Mechanic from Friday at 5:00 p.m. until close of business on Sunday for parking between 21st Street and 25th Street;
   - Close Seawall Blvd. from the East side of 25th Street to the west side of 19th Street

   Utilize Harborside West, Central and East and the 21st Street Pier (these are privately owned property venues and are not under the control of the city. LSR shall be responsible for all activities in this area and will be in compliance with the property owners' requirements;

   THE CITY RESERVES THE RIGHT TO AMEND A STREET CLOSURE DUE TO PUBLIC SAFETY OR OTHER CONCERNS. THESE CONCERNS INCLUDE, BUT ARE NOT LIMITED TO THE CITY'S ABILITY TO DELIVER POLICE, FIRE AND EMERGENCY MEDICAL SERVICES TO THE EVENT LOCATION AND IN THE VICINITY OF THE EVENT LOCATION. IF THE ISSUES REQUIRING THE AMENDMENT ARE GENERAL PUBLIC CONCERNS, LSR SHALL BE INFORMED OF THESE CONCERNS AND SHALL HAVE THE RIGHT TO TRY TO RESOLVE THEM.

5. Vendors: LSR shall have the exclusive right to assign and sell space in the closed/utilized City public areas in accordance with City codes and retain 100% of the proceeds less any applicable fees and taxes. City agrees to not unreasonably interfere with assignment of the vendors' locations or with the vendors LSR chooses to contract with. LSR agrees not to put rally vendors adjacent to local retailers selling like merchandise without the consent of the retailer(s). Vendors shall obtain all required permits and inspections. City shall retain the right to remove vendors that are blocking public access or have not obtained required permits, or for health and safety violations.
   Load-in vendors will commence as follows:

   Tuesday, beginning at 9:00 a.m. on all privately owned lots, with the permission of affected property owners;

   On all closed public streets at 8:00 p.m. on Tuesday.

All vendors must be removed from public streets by 12:00 a.m. on Monday morning following the event.

LSR will inform all vendors that they must designate the City of Galveston for sales tax revenue purposes, and will provide a list of such vendors and vendor contact information to the City to assist with sales tax enforcement. LSR will encourage vendors to avoid the use of disposable plastic bags.

City agrees to enforce all existing codes, laws and statutes regarding temporary outside vendor sales.

6. LSR Permits: Subject to required Health and Safety permits, the City agrees that LSR shall not be required to obtain any type of city permit or authorization other than this Agreement in connection with the Events.

7. Beverages: City and LSR agree that, in order to bear the expenses of producing the rally. LSR must be able to sell vendor space to vendors with temporary permits from the Texas Alcoholic Beverage Commission, enabling them to sell alcoholic beverages to rally participants in any and all rally areas, subject to state and local alcoholic beverage regulations. LSR further agrees that the sale of glass beverage containers shall be prohibited.

8. Event Name, Advertising and Signage: The City and LSR agree that, in order to bear the expense of producing the rally, LSR must (and shall) have the exclusive right to sell advertising and sponsorship regarding the event which involve any use of City or public property, and retain 100% of the revenue. However, LSR may require any person purchasing advertising, sponsorship, or signage rights from LSR to pay those fees directly to the City, and the City, as permitted by law, will credit all such fees received against City expenses invoiced to LSR. In addition, LSR shall have the exclusive right to regulate and grant permits for all rally related signage in the event areas and around the perimeter of the event areas. For purposes of this agreement, the "perimeter of the event areas" shall mean the outermost edges of the entertainment areas as approved by Council and depicted in its approved plan. Accordingly, the City shall not issue permits to any person or entity for balcony, building or other signs to be posted in or around the perimeter of the event area during the rally. Instead, inquiries regarding such signage shall be referred to LSR. LSR may post building, balcony or other signs or may allow its permittees to do so at any time during the rally or in the 48 hour period leading up to the rally. Neither LSR nor its permittees shall be required to obtain any permit from the City with regard to such signs. If LSR informs City during the rally of a sign posted without LSR's consent, the City will use its best efforts to cause the sign to be promptly removed. LSR (at its own risk) may remove any signs posted without its consent, if the City does not promptly remove such signs or cause them to be promptly removed. This section does not apply to private properties.

9. Parking: City and LSR agree that, in order to bear the expense of producing the rally, LSR must be able to sell parking, parking permits, and "thru traffic" permits and retains 100% of the revenue

less any applicable taxes and fees. Accordingly, LSR has the exclusive right during each rally to sell and/or advertise and/or utilize the temporarily closed public area for parking/thru traffic purposed, subject to plan review and approval by the City Manager or his designee. Vehicles are not allowed on esplanades or sidewalks at any time without prior City Manager/design approval. The City shall retain the right to open any public parking areas that are blocking public access for health and safety requirements.

Other areas to be left open to public access shall be the 2200 Market Street building, Tremont House Hotel and other major corporations that have to allow direct facility access to their customers during the rally.

10. Required Facilities: All trash containers, recycling containers, portable toilets, barriers, barricades, etc., will be provided as follows:

    - Trash Containers (LSR and Park Board)
    - Recycling Containers (LSR)
    - Dumpsters (LSR and City, as necessary)
    - Portable Toilets (LSR)
    - Barricades and Barriers (City's Traffic Division)

11. LSR will utilize city personnel for security, fire, code enforcement, sanitation and traffic control, as agreed upon by LSR and the designated City Departments. LSR will utilize Galveston Ambulance Service for emergency medical services. LSR will pay security, fire and code enforcement directly to the individual employees. LSR will pay the City for sanitation and traffic control services and will pay Galveston Ambulance Service for emergency medical services. In the event that Traffic and Sanitation costs escalate, becoming prohibitive, LSR has the right to utilize private companies to provide these services, provided the perspective plans meet with the City's requirements.

    LSR will hire certified peace officers to provide security for crowd and traffic control, based on projected attendance. LSR shall coordinate a security plan with the City of Galveston Police Department that must be approved by the Chief of Police for determination of law enforcement officer staffing reasonably required to provide security services. Such law enforcement officers shall be paid directly by LSR.

    Payment for services made directly to personnel (security, fire and code enforcement) will be made by LSR no later than Tuesday following the event.

    Traffic control and sanitation services will be paid directly to the City by LSR on a reimbursement basis of City labor, benefits, equipment and materials/supplies expended. Payment of these services shall be made in full no later than 30 days upon receipt of bills from the City.

12. Musical Entertainment: LSR intends to provide musical entertainment for rally attendees/participants at stages set up within the rally area/venue. LSR shall comply with City noise and amplified sound regulations. LSR agrees to set up stages to direct the amplified sound away from surrounding neighborhoods and hospitals. City agrees that it will not unreasonably withhold permission and public relations access to the musical entertainment, which will conclude at 12:00 a.m. downtown and 11:00 p.m. at Beach Central on rally days and commence no earlier than noon. LSR shall control the quality of musical content to avoid community offensive language and presentation.

13. Air Devices: LSR will provide its sponsors (no more than 6 separate entities), not its vendors, with the opportunity to display inflatable air devices and hot air balloon at/during the rally and City agrees to not unreasonably withhold permission/access regarding same. Any devices approved by the City shall be applied for and approved by the sixty (60) days prior to rally dates.

14. Media Coverage: LSR reserves the right to invite local and national news media to attend the rally and the City agrees not to unreasonably interfere with same. LSR agrees to provide the City's Public Information Officer courtesy review of all printed material (posters, flyers, etc.) press releases and media advisories prior to release.

15. Restoration of City Property: LSR shall repair and restore at its own expense any City property damaged by LSR or by any vendor to which LSR has granted a permit within ten (10) business days.

16. Notice: It is the responsibility of LSR to secure the following and the City makes no commitment: The Park Board of Trustees/Galveston Island Convention and Visitors Bureau may provide notice of and information regarding the rally each year on its website and/or in its calendar of events commencing at least one hundred twenty (120) days prior to each year's rally/event.

17. Insurance: LSR agrees to obtain general liability insurance policy regarding, and covering the event from an insurance carrier licensed to do business in the State of Texas in an aggregate coverage amount of not less than $5,000,000 and to have the following entities named as additional insured: City of Galveston and to the extent necessary Galveston Park Board of Trustees. Policy to be delivered ten (10) days prior to the rally.

    Insurance shall also provide for additional endorsement for alcoholic operations, owned and non-owned, rented vehicles and LSR shall seek similar insurance certificated from their vendors as feasible, with same additional insured requirements. The insurance shall be secured on an "Occurrence Basis".

18. Existing City Ordinances: LSR will comply with all City ordinances in place at the time of the execution of this document and those subsequently approved. LSR shall retain the option of terminating this agreement based on any future ordinance changes.

19. Force Majeure: Neither party shall be required to perform any term, condition or covenant in this

agreement so long as such performance is delayed, or prevented by force majeure, which shall mean, but is not limited to, acts of God, strikes, lockouts, material or labor restrictions by any governmental authority, civil riots, floods, hurricanes, natural disasters and any other cause not reasonably within the control of the parties hereto, and which by the exercise of due diligence either party is unable, wholly or in part to prevent or overcome. The party that is unable to carry out its responsibility shall notify the other party in writing within a reasonable time prior to the event. The notice shall suspend the responsible party's duty to perform while the force majeure event is ongoing.

20. Contractual: This agreement is entered into and performable under the laws of Texas and venue shall be in Galveston County.

21. Severance: If any part of the Agreement is held to be invalid or illegal, then that part of the agreement is severed and the entire remaining Agreement remains in full force and effect.

22. Authority: By their signatures hereon, each signatory holds out and affirms that he or she has full authority to enter into each and every part of this Agreement on behalf of the entity he or she represents and that the other party can rely on same.

23. Termination: City reserves the right to terminate this Agreement if the City Manager determines that a material breach of the Agreement has occurred, and that the breach has not been cured, or that good faith efforts to so cure have not commenced within 10 days after Lone Star Rally has received written notice of the alleged breach. The language related to "good faith effort" above shall not apply to a failure to pay money, in which the breach must be cured within the 10 day period.

24. Termination for public safety concerns: This agreement may be terminated, or modified in whole or in part, by the City of Galveston, if in the sole opinion of the City Manager a threat to the public safety exists which poses and undue risk of harm to people or public property. The decision of the City Manager that a public threat exists is final and the promoter agrees to abide by that decision without further recourse. The promoter further agrees that this contract is executed by the City as a governmental, and not proprietary, function. In the event the City Manager determines that a threat to the public safety exists which requires termination or modification of this agreement, such determination will be communicated to the promoter as soon as is practicable.

25. LSR will meet with and work with the City Manager concerning providing a financial summary report after the conclusion of the event. Details will be agreed upon between LSR officials and the City Manager. The report will be delivered to the city within one hundred and twenty (120) days after the rally.

26. LSR shall charge an additional "Attendant Fee" not to exceed $1.00 for each parking pass sold which will be payable to the city of Galveston. LSR will supply the city with a separate check within 30 calendar days after the conclusion of the event.

27. **Indemnification: LSR hereby covenants and agrees that they will, jointly and severally indemnify and hold harmless against liability for any and all claims, judgments and associated legal expenses and costs and for claims and litigation arising out of the function including; but not limited to, those for damage to property or injury to or death of persons. LSR AGREES TO INDEMNIFY, SAVE, AND HOLD HARMLESS THE CITY, ITS EMPLOYEES, OFFICIALS, AND AGENTS FROM ANY AND ALL CLAIMS, ACTIONS, DAMAGES, LAWSUITS, PROCEEDINGS, JUDGMENTS, OR LIABILITIES, FOR PERSONAL INJURY, DEATH, OR PROPERTY DAMAGE RESULTING (OR ALLEGED TO HAVE RESULTED) SOLELY FROM LSR'S ACTS OR OMISSIONS OR SOLELY FROM THE ACTS OR OMISSIONS OF ANY LSR EMPLOYEE, CONTRACTOR OR AGENT (COLLECTIVELY, "CLAIMS"). THE FOREGOING INDEMNITY SHALL NOT APPLY TO ANY CLAIMS THAT RESULT (OR ARE ALLEGED TO HAVE RESULTED) IN WHOLE OR IN PART FROM CITY'S ACTS OR OMISSIONS OR FROM THE ACTS OR OMISSIONS OF ANY CITY EMPLOYEE, CONTRACTOR OR OTHER AGENT.**

    IN THE EVENT OF ANY CLAIM FOR WHICH CITY MAY BE ENTITLED TO INDEMNIFY UNDER THE ABOVE PARAGRAPH, CITY WILL PROVIDE LSR WITH TIMELY NOTICE OF SUCH CLAIM. THEREAFTER, LSR SHALL AT ITS OWN EXPENSE, FAITHFULLY AND COMPLETELY DEFEND AND PROTECT CITY AGAINST ANY AND ALL LIABILITIES ARISING FROM SUCH CLAIM.

    IF LSR SHOULD FAIL TO SO DEFEND, CITY MAY DEFEND, PAY OR SETTLE THE CLAIM OR OTHER CAUSE OF ACTION WITH FULL RIGHTS OF RECOURSE AGAINST LSR FOR ANY AND ALL FEES, COSTS, EXPENSES, AND PAYMENTS, INCLUDING BUT NOT LIMITED TO ATTORNEY FEES AND SETTLEMENT PAYMENTS, MADE OR AGREED TO BE PAID IN ORDER TO DISCHARGE THE CLAIM.

28. Notice: Any written notice regarding or pursuant to this Agreement regarding LSR shall be sent to:

    Melissa Penland
    Lone Star Rally, Inc.
    307 Division Avenue
    Ormond Beach, FL 32174

    Any written notice regarding or pursuant to this Agreement regarding the City shall be sent to:

    City Manager
    City of Galveston
    P.O. Box 779
    Galveston, TX 77553

    With copy to:
    City Attorney
    City of Galveston

P.O. Box 779
Galveston, TX 77553

LONE STAR RALLY, INC.

By: Melissa Penland

Printed Name:

MELISSA PENLAND

It's: MANAGING PARTNER

CITY OF GALVESTON

By:

Printed Name:

BRIAN MAXWELL

City Manager

Approved as to form: 7-12-17

Assistant City Attorney, TREVOR FAIRLY

Approved by City Council on this 25 day of MAY 2017.

City of Galveston

Special Events

January 17, 2018

Lone Star Rally Event Date Amendment

I. **Background**

A. The Lone Star Rally staff approached the city and advised that the 2017-19 contract that was approved by the council on June 22, 2017 contained the dates for the second weekend in November for the 2018 rally.

B. Many hotels, local organizations and local businesses contacted city staff and Lone Star Rally staff requesting for the event to occur during the first weekend in November as it has always occurred in the past. This time period worked better for their operations.

C. Some businesses also advised that if the event occurred during the second weekend, their holiday shopping season would be reduced.

D. Lone Star Rally staff has agreed and has requested to change the dates

The contract reads on Page 1, Section 2:

- Thursday, November 8, 2018, at 12:01 a.m. through Sunday, November 11, 2018 at 11:59 p.m.

Requested Change:

- Thursday, November 1, 2018, at 12:01 a.m. through Sunday, November 4, 2018 at 11:59 p.m.

E. No other changes have been requested.

II. **Current Situation**

The City Council approved amending the 2017-19 Lone Star Rally contract event dates for event year 2018 only, and has granted administrative authority to the City Manager for any future date modifications on this contract upon final approval by the City Attorney.

Except as revised herein, all other terms and provisions of the 2017-19 Lone Star Rally contract remain in full force and effect.

AS AGREED BY THE PARTIES.

CITY OF GALVESTON, TEXAS

By: _____

Print: Brian Maxwell, City Manager

Approved As To Form

_____

City Attorney's Office

LONE STAR RALLY

By: _____

Print: Mellisa Penland

ATTEST:

_____

City Secretary

October 8, 2019

Brian Maxwell, City Manager
Honorable Mayor and City Council Members

Subject: Consider for the approval allowing the Fleet Facility to purchase the listed rolling stock (tractor mower) and associated equipment from Brookside Equipment Sales via Deere and Company through HGAC Buy for a total price of $76,580.22 and authorize the City Manager to execute the contract upon final approval by the City Attorney.

I. Background

A. Funding for new equipment has been earmarked for the listed department(s).

B. Buy Board, HGAC Buy and TXMAS are cooperative purchasing organizations that the city is a member of that performs bidding packages for local governments. The Fleet Facility has performed competitive bidding packages on current equipment purchases to assure that these purchases are the better option a majority of the time. The mower will be support by Buy Board pricing and the tractor will be supported by HGAC Buy pricing, which are the lowest prices for this combination.

C. The requested vehicle description(s) and their assignment(s) are listed below.

D. The extended purchase price for this package is $76,580.22.

E. Brookside Equipment Sales via Deer and Company is located in Houston Texas.

F. Delivery should be within 180 days from date of the purchase order issue. These items have to be delivered during the current fiscal year, and the dealer can support this request.

G. Additional equipment will be added by the dealer that was specified in the specification process as requested by the department.

II. Current Situation

The City Council will have to approve the Fleet Facility to purchase the listed rolling stock (tractor mower) and associated equipment from Brookside Equipment Sales via Deer and Company through HGAC Buy for a total price of $76,580.22 and authorize the City Manager to execute the contract upon final approval by the City Attorney.

III. Alternatives in order of priority

A. City Council approves the purchase.

1. Cost - $76,580.22
2. Timing - Delivery should be within 180 days.
3. Divisional Improvements - Will provide the city with needed equipment to perform duties. Newer equipment will reduce fleet operational costs and will improve operations.

B. City Council does not approve the purchase.

1. Cost - No additional cost at this time.
2. Timing - N/A
3. Divisional Improvements - City staff will not be able to function without needed equipment. Older equipment will take on a heavier load, which will increase operational costs. Operations will slow.

IV. Recommendation

Concur in Alternative A and approve the Fleet Facility to purchase the listed rolling stock (tractor mower) and associated equipment from Brookside Equipment Sales via Deer and Company through HGAC Buy for a total price of $76,580.22 and authorize the City Manager to execute the contract upon final approval by the City Attorney.

V. Fiscal Impact Report

Requested by David Smith
Executive Director

Cost	$76,580.22
Funding Source	Airport Capital Outlay
Savings Estimation	Will help reduce unit repair costs on the older fleet vehicles and will assist with improving services.

VI. Environmental Impact

All listed vehicle(s) are produced under current EPA standards.

Respectfully Submitted

David Smith
Executive Director

City of Galveston

Fleet Facility

COST BREAKDOWN

Requested Purchase

Item	Division	Count	Make	Model	Cost	Funding
1	Airport	1	John Deere	5100E Utility Tractor	$ 55,489.93	Cap Fund
2	Airport	1	John Deere	R15 Flex Wing Cutter	$ 21,090.29	Cap Fund
					$ 76,580.22	

JOHN DEERE

YOUR CONTRACT.
YOUR QUOTE.
YOUR HELP REQUESTED.

Ensure your equipment arrives with no delay. Issue your Purchase Order or Letter of Intent.

To expedite the ordering process, please include the following information in Purchase Order or Letter of Intent:

- ☐ Shipping address
- ☐ Billing address
- ☐ Vendor: John Deere Company 2000 John Deere Run Cary, NC 27513
- ☐ Contract name and/or number
- ☐ Signature
- ☐ Tax exempt certificate, if applicable

For any questions, please contact:

Doug Moore

Brookside Equipment Sales
2135 Gulf Freeway South
League City, TX 77573

Tel: 281-338-1300
Fax: 281-332-7420
Email: moore.doug@brooksideusa.com

The John Deere Government Sales Team

JOHN DEERE

ALL PURCHASE ORDERS MUST BE MADE OUT TO (VENDOR):
Deere & Company
2000 John Deere Run
Cary, NC 27513
FED ID: 36-2382580; DUNS#: 60-7690989

ALL PURCHASE ORDERS MUST BE SENT TO DELIVERING DEALER:
Brookside Equipment Sales
2135 Gulf Freeway South
League City, TX 77573
281-338-1300
0442@brooksideusa.com

Quote Summary

Prepared For:
City Of Galveston Purchasing Division
David Smith
Po Box 779
Galveston, TX 77553
Home : 409-797-3920
DSmith@GalvestonTX.Gov

Delivering Dealer:
Brookside Equipment Sales
Doug Moore
2135 Gulf Freeway South
League City, TX 77573
Phone: 281-338-1300
moore.doug@brooksideusa.com

Buyboard pricing valid for 30 days from date of quotation

Quote ID: 20550114
Created On: 02 October 2019
Last Modified On: 02 October 2019
Expiration Date: 02 November 2019

Equipment Summary	Selling Price		Qty		Extended
JOHN DEERE 5100E-4C Utility Tractor **Contract:** TX HGAC GR01-18 (PG 64 CG 70) **Price Effective Date:** October 2, 2019	$ 55,489.93	X	1	=	$ 55,489.93
JOHN DEERE R15 Flex wing Rotary Cutter **Contract:** TX HGAC GR01-18 (PG 64 CG 70) **Price Effective Date:** October 2, 2019	$ 21,090.29	X	1	=	$ 21,090.29
Equipment Total					**$ 76,580.22**

* Includes Fees and Non-contract items

Quote Summary	
Equipment Total	$ 76,580.22
Trade In	
SubTotal	**$ 76,580.22**
Est. Service Agreement Tax	$ 0.00
Total	$ 76,580.22
Down Payment	(0.00)
Rental Applied	(0.00)
Balance Due	**$ 76,580.22**

Salesperson : X _____ **Accepted By : X** _____

ALL PURCHASE ORDERS MUST BE MADE OUT TO (VENDOR):

Deere & Company
2000 John Deere Run
Cary, NC 27513
FED ID: 36-2382580; DUNS#: 60-7690989

ALL PURCHASE ORDERS MUST BE SENT TO DELIVERING DEALER:

Brookside Equipment Sales
2135 Gulf Freeway South
League City, TX 77573
281-338-1300
0442@brooksideusa.com

Salesperson : X _____

Accepted By : X _____

JOHN DEERE

Selling Equipment

Quote Id: 20550114 **Customer Name:** CITY OF GALVESTON PURCHASING DIVISION

ALL PURCHASE ORDERS MUST BE MADE OUT TO (VENDOR):

Deere & Company
2000 John Deere Run
Cary, NC 27513
FED ID: 36-2382580; DUNS#: 60-7690989

ALL PURCHASE ORDERS MUST BE SENT TO DELIVERING DEALER:

Brookside Equipment Sales
2135 Gulf Freeway South
League City, TX 77573
281-338-1300
0442@brooksideusa.com

JOHN DEERE 5100E-4C Utility Tractor

Hours:

Stock Number:

Contract: TX HGAC GR01-18 (PG 64 CG 70)

Price Effective Date: October 2, 2019

* Price per item - includes Fees and Non-contract items

Code	Description	Qty
697BLV	5100E Utility Tractor	1
	Standard Options - Per Unit	
0409	English Operators Manual and Decal Kit	1
1381	12F/12R PowrReverser Transmission - 540/540E	1
2050	Standard Cab	1
2120	Air Suspension Seat	1
3025	Deluxe Cornerpost Exhaust	1
3330	Triple Stackable Rear Deluxe SCV's with Lever Control	1
3400	Less Mid Valves	1
5911	18.4 - 30 In. 8PR R1 Bias	1
6040	MFWD (4 Wheel Drive)	1
6701	12.4 - 24 In. 8PR R1 Bias	1
	Dealer Attachments/Non-Contract/Open Market	
SWJHD1635BT	AM/FM Blue Tooth Radio	1
SJ10170	Antenna - ANTENNA, ANTENNA, AERIAL	1
SW40VW12	Adapter - ANTENNA ADAPTER	1
19M8100	Cap Screw - SCREW, HEX HEAD, METRIC	4
24M7242	Washer - WASHER, METALLIC, ROUND HOLE	4
R262449	Support - SUPPORT, SUPPORT, FRONT WEIGHT (14	1

Selling Equipment

Quote Id: 20550114 **Customer Name:** CITY OF GALVESTON PURCHASING DIVISION

ALL PURCHASE ORDERS MUST BE MADE OUT TO (VENDOR):
Deere & Company
2000 John Deere Run
Cary, NC 27513
FED ID: 36-2382580; DUNS#: 60-7690989

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2135 Gulf Freeway South
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281-338-1300
0442@brooksideusa.com

R127764	Counterweight - COUNTERWEIGHT, QUICK-TATCH	8
AL80126	Rear View Mirror - MIRROR LH TELESCOPIC ASSY/ FIELD	1
AL80127	Rear View Mirror - MIRROR RH TELESCOPIC/ FIELD	1

JOHN DEERE R15 Flex wing Rotary Cutter

Equipment Notes:
Hours:
Stock Number:
Contract: TX HGAC GR01-18 (PG 64 CG 70)
Price Effective Date: October 2, 2019

* Price per item - includes Fees and Non-contract items

Code	Description	Qty
2340P	R15 Flex wing Rotary Cutter	1
	Standard Options - Per Unit	
0202	United States	1
2540	Basic Outward Rotation	1
3035	Foam-Filled Tires - (Double center, single on wings) - Severe duty ag tires	1
3511	540 RPM Driveline - Cat 6	1
3602	540 RPM - 125 hp Gearbox - Commercial duty	1
5120	Ball Type Hitch	1
5280	Rigid Casting Tongue	1

5E UTILITY TRACTORS

50 – 100 HORSEPOWER UTILITY TRACTORS

JOHN DEERE

5E*ASIER TO:*

USE
On the 5E 3-cylinder tractors, repositioned controls are now closer to the operator, for greater accessibility. And dual-stage brakes on all 5E models help you come to a halt quicker and easier than ever before.

ADJUST
ROPS hinge pins now feature easy-to-grab handle for effortless, quick adjustment on 5E 3-cylinder models.

AFFORD
Reasonably priced 5E Series tractors are designed to meet the needs of your budget and your operation.

MAINTAIN
A new slide-out radiator screen on the 5E 3-cylinder lineup enables you to clean off chaff and debris in a matter of minutes.

MANEUVER
The 5E 3-cylinder models offer 14 percent greater visibility with a newly-designed hood that is 3 1/2 inches lower and 4 inches narrower than previous models.

DO RUGGED WORK
Hardnosed 5E Series tractors provide excellent power to weight ratios offering greater pulling power to handle more intense work such as tilling or other ground engaging applications.

STAY IN THE FIELD
The 5E Series 3-cylinders now provide more operating time between fueling thanks to a larger fuel tank and a redesigned after-treatment package.

GET COMFORTABLE
A thicker, taller seat cushion coupled with a wider, flatter operator platform offers a smoother ride in harsh terrain.

Making the decision to purchase a new utility tractor is now easier than ever. With key enhancements to the 5E 3-cylinder models — along with the already proven 5E 4-cylinder models — John Deere provides a stellar lineup to suit just about any need. The 5E Series features the value of choice with cab or open station, 2WD or 4WD, and transmission options … in addition to easy-to-use controls and loader compatibility.

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SIX MODELS. INFINITE POSSIBILITIES.

Offering six different models ranging from 50-100 horsepower, 5E Series utility tractors come fully loaded with the powerful, efficient John Deere PowerTech™ engine to handle tough chores on your property such as loading, rotary cutting and snow removal.

With the 12F/12R PowrReverser™ transmission available on 55-100 models (5055E - 5100E) and the 24F/12R transmission available on the 90 and 100 models (5090E - 5100E), you'll experience seamless directional control and effortless shifting, whichever model you choose. Open station is standard on the 5045E, while a climate-controlled cab option is available on the 5055E and higher horsepower models.

THE 5E SERIES

3-CYLINDER MODEL	ENGINE HP*	PTO HP** OOS / CAB
5045E	50	37 / -
5055E	59	45 / 41
5065E	67	53 / 49
5075E	73	60 / 57
4-CYLINDER MODEL	**ENGINE HP***	**PTO HP**
5090E	90	75
5100E	100	85

**97/68 EC gross engine horsepower.*
***5045E PTO horsepower at rated speed Open Station with 9F/3R SyncShuttle™ Transmission.*

JOHN DEERE POWERTECH™ ENGINE

At the heart of every 5E Series tractor you'll find a powerful, yet efficient, John Deere PowerTech™ turbocharged diesel engine that's equipped with an automatic regeneration system requiring no interaction nor the need to be parked during normal operating temperatures.

The 5E Series makes using your tractor simple, without sacrificing efficiency or emissions compliance. The engine runs at a standard rated operating speed of just 2100 RPM on the 5E 3-cylinders and 2400 RPM on the 5E 4-cylinders. This helps to significantly reduce noise, vibration and wear over the long run.

5E 4-cylinder shown

PROTECT YOURSELF FROM THE ELEMENTS. AND NEVER MISS A THING.

COMFORT

From sweltering summer heat to bitter winter cold, the 5E Series climate-controlled cab will keep you comfortable year round with its exceptional air conditioning and heating systems. Plus, opening side windows provides a breath of fresh air, while a wide-opening, left-side door makes cab entry and exit a breeze.

VISIBILITY

With a back window that opens a full 70 degrees and a fuel tank tucked out of your line of sight, the 5E Series offers superior visibility for quick implement hookup. The operator-friendly cab also features a black out visor to ward off the sun and a bright dome light to help navigate under the stars.

5E 3-cylinder shown

5E 4-cylinder shown

A QUIETER, CLEANER CAB

Thanks to a unique cab design that unifies the enclosure with the floor and steering column, the fully isolated cab on the 5E Series eliminates common vibrations, squeaks and rattles for a remarkably quiet ride. The unibody design also seals the cab from dust and debris (even when baling and rotary cutting) for a cleaner interior.

5E 4-cylinder shown

5E SERIES PTO

Nothing says "E" Series like the 540 E economy PTO option, which is standard with the 12F/12R and 24F/12R PowrReverser transmissions. With the 540 economy PTO, you can reduce engine rpm to decrease fuel consumption and shave some time off your work day with less trips to refill. You also enjoy lower noise levels and reduced vibration for a quieter, comfier ride. You have less wear and tear on the engine, as well. It's ideal for running your tedding, raking, baling or other similar PTO applications. Thanks to the 540 economy PTO, work is as easy as it gets.

With John Deere's PTO system, you can engage the PTO on the move so you can start and stop your implement without interruption.

IMPLEMENT HOOKUP IS A SNAP

5E 4-cylinder shown

John Deere's rockshaft control lever allows you to adjust implements within 0.4 in. (10 mm), in addition to simultaneously altering implement lowering speed, lateral float and depth stop. As a result, you can easily accommodate for uneven terrain and set ground contour.

With the adjustable depth stop, you can also consistently lower your hitch to the same level for tasks such as seedbed preparation.

You can attach rear implements to the 3-point hitch in no time at all. All 5Es come standard with sway bars and can be fitted with telescoping draft links. Additionally, you have the option to get an iMatch™ Category 1 Quick-Hitch for effortless attaching/detaching.

EASY ON THE WALLET

The 5E Series tractors are built with economy in mind. They offer the core functionality you need for your operation without the bells and whistles. Along with affordable pricing, you get the outstanding 5-Year/2,000 Hour (whichever comes first) Powertrain Warranty*, assuring you the value machine we promise.

So, what do we mean by "value"? It starts by giving you real value for your money. That's thanks to the two-wheel drive functionality which provides remarkable performance for owners who don't need a MFWD tractor.

But, if you prefer to hold onto this 5E for years to come, value can also be found in the low maintenance needed to keep your 5E in top condition. This is due to fewer wear parts versus competitive models. Last, but certainly not least, is the fluid-efficient engine, helping you save more on fuel costs. Low cost of ownership throughout the life of your tractor. Now, that's value.

* All tractors purchased new from an authorized John Deere Dealer come standard with a 5 year/2000 hour (whichever comes first) Powertrain Warranty. See the Limited Warranty for New John Deere Turf & Utility Equipment at dealer for details.

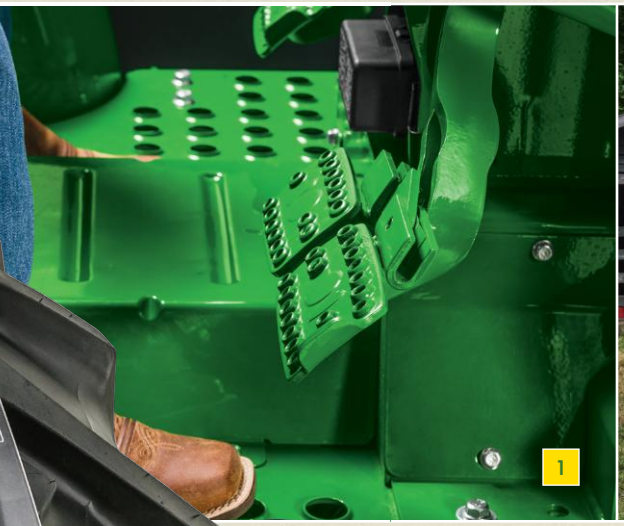
STEP INTO YOUR REDESIGNED OPERATOR STATION

When you hop into the saddle of our 5E Series tractor, you'll experience more comfort, more control and more working pleasure than ever before. From a redesigned seat and added legroom to conveniently stationed controls and advanced instrumentation, the 5E operator station positions you to knock out those chores with ease.

A. With a repositioned and redesigned electronic hand throttle – now situated on the right-hand side of the operator and 12 inches closer – it's easier than ever to control your speed.

B. The 5E 3-cylinder tractors with the 12F/12R PowrReverser™ transmission come standard with an LCD display, showing ground speed, engine hours, a PTO speed indicator and an MFWD indicator. Also included is a standard floor mat for both Cab and OOS models.

C. A smoother ride is in store for you thanks to a deluxe vinyl seat that is 28% thicker and 26% taller than our previous seat, making operation that much comfier. And it's suspended by two springs with hydraulic dampeners to soften the blow of bumps and dips.



1. Check out the platform on the 5E Series 3-cylinder. It's 20% wider and 50% flatter than prior 5E editions to maximize space for your legs, so you can stay comfortable throughout the workday. And dual brakes offer better performance in any situation.
2. Whether you're working early morning or late evening, bright halogen headlights and rear work light make performing tasks in the dark easier and more productive.

LIFT AND DIG LIKE NO OTHER

Offering the versatility you need, the John Deere 5E 3-cylinder can be ordered "loader prepped" for quick and easy installation of a 1, 2 or 3 function loader in addition to being paired with a backhoe.

Now compatible with open operator station 5E 3-cylinder models, the 485 backhoe gives you the versatility to tackle jobs you could never get done before.

When matched with a 520M NSL loader, you'll experience an impressive 3,523 pounds of lift capacity. And with technology such as self-leveling, the loader is easy to operate for even the most inexperienced operator.

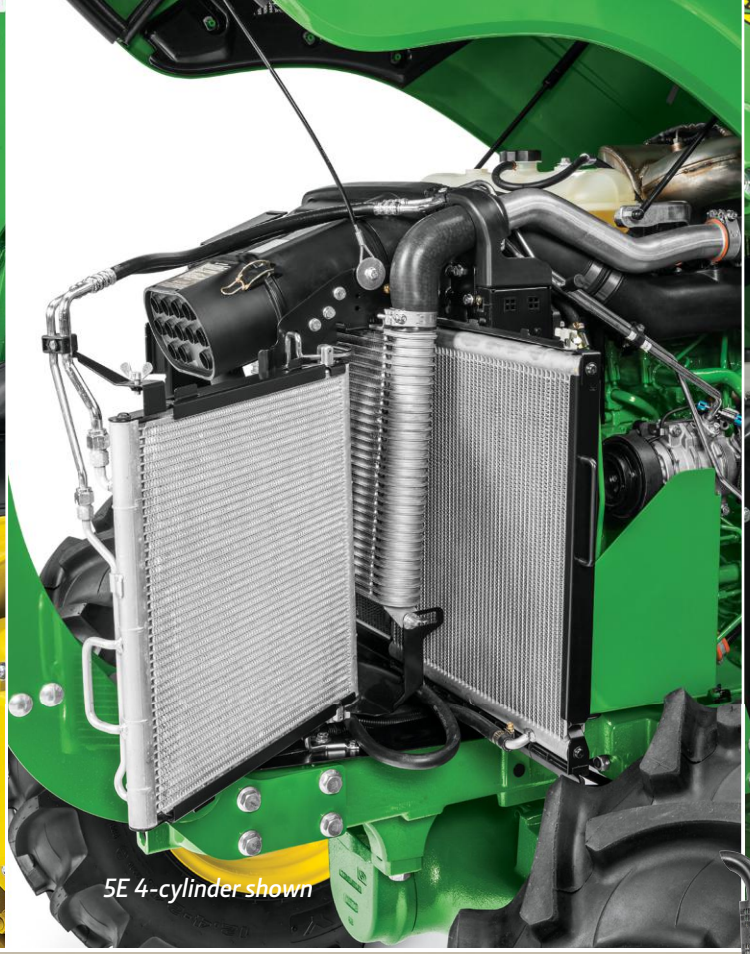
485 BACKHOE	MEASUREMENT	SPECIFICATION
Digging Depth (2FT Flat Bottom)	Depth	2.67 m (8 ft. 9 in.)
Loading (Bucket at 60°)	Height	2.24 m (7 ft. 4 in.)
Transport Height	Height	2.29 m (7 ft. 6 in.)
Loading Reach (Bucket at 60°)	Distance	1.17 m (3 ft. 10 in.)
Bucket	Rotation	180°
Swing Arc	Angle	180°
Stabilizer Spread (Raised)	Width	approx. 1.37 m (4 ft. 6 in.)
Stabilizer Spread (Lowered)	Width	approx. 2.51 m (8 ft. 3 in.)
SAE Dipperstick Digging Force	-	10,83 kN (2435 lb)
SAE Bucket Digging Force	-	16,59 kN (3730 lb)

NOTE: Dimensions are given for backhoe with boom pivot pin 43cm (17 in.) above ground.
Bucket Offering: Normal Duty - 12", 18", 24" and Heavy Duty – 14", 18", 24"

Loader (Mechanical Self-Leveling Non-Self-Leveling)	512 NSL	520M MSL	520M NSL
Lift capacity at full height, at pivot	2453 lb. (1115 kg)	2580 lb. (1170 kg)	3523 lb. (1598 kg)
Lift capacity at full height, 800 mm ahead of pivot	1538 lb. (697 kg)	2908 lb. (1319 kg)	2292 lb. (1040 kg)
Lift capacity @ 59 in. (1.5 m) lift height, at pivot	3295 lb. (1494 kg)	3606 lb. (1636 kg)	4030 lb. (1828 kg)
Lift capacity @ 59 in. (1.5 m) lift height, at 800 mm ahead of pivot	2350 lb. (1066 kg)	3481 lb. (1579 kg)	2974 lb. (1349 kg)
Boom breakout force, at pivot	4781 lb. (2169 kg)	4781 lb. (2169 kg)	4640 lb. (2105 kg)
Boom breakout force, 800 mm ahead of pivot	3172 lb. (1439 kg)	4052 lb. (1838 kg)	3168 lb. (1437 kg)
Maximum lift height	113 in. (2887 mm)	132 in. (3351 mm)	132 in. (3352 mm)
Clearance with bucket dumped	84 in. (2142.8 mm)	99.3 in. (2523 mm)	99.2 in. (2520 mm)
Reach at maximum height	24.5 in. (624 mm)	40.9 in. (1038 mm)	40.9 in. (1038 mm)
Reach at ground level	71.8 in. (1824 mm)	88.5 in. (2248 mm)	88.5 in. (2248 mm)
Digging depth	4 in. (108 mm)	-2.7 in. (-69 mm)	-2.9 in. (-73 mm)
Dump angle @ full height	52.7 degrees	-55 degrees	-55 degrees
Rollback angle @ ground	29 degrees	42 degrees	44 degrees

512 specifications as installed on 5E (2WD); capacities measured with 73 in. Materials bucket (351 lb.); 520M specifications as installed on 5E 3-cylinder; capacities measured with 73 in. GP bucket (392 lb.).

5E 3-cylinder shown


5E 4-cylinder shown

5E 3-cylinder shown

MAINTENANCE IS EASIER THAN EVER

5E Series utility tractors are loaded with features to prevent dust and debris damage. On the 5E 3-cylinders, we have a convenient radiator screen. And on the 5E 4-cylinders, there is a slide-out condenser and tilt-able charge air cooler. Also, the battery is tucked under the right-hand side of the foot platform on 5E 3-cylinders to provide easy access to the battery and unrestricted airflow through the radiator.

FOUR-WARD PROGRESS

Need a little bit more muscle in your mix? When you step up to the 5E 4-cylinder tractors, you get the added "oomph" you need to power through more demanding chores. Whether it's food plot seeding, tilling, baling in hilly conditions, heavy-duty loader work, or other tougher task, the 5E 4-cylinder delivers.

You can attach bigger loaders and larger implements for a higher level of production. Speaking of more production, the 5E 4-cylinder is equipped with one more additional SCV than the 5E 3-cylinder models for more versatility in your operation.

Standard MFWD helps serve up the additional pulling power for some of your more taxing jobs. Plus, we've built the 5E 4-cylinder with heavier duty frame and bigger tires for greater traction. And work in total confidence from one job to the next thanks to the more responsive dual-stage brake system. But perhaps best of all on this machine is the wet clutch, which reduces wear and tear on your gears, so you can enjoy high-performance from one job to the next.

Offering more capacity (2,606 lb – 3,754 lb), your 5E 4-cylinder can handle bigger loaders and larger implements for a higher level of production. Speaking of more capabilities, the 5E 4 cylinder is equipped with two rear SCVs in base equipment adding versatility to your operation.

RISE TO THE CHALLENGE.

There's so much you can do with your 5E 4-cylinder, especially when paired with one of three compatible loaders. With the option of mechanical self-leveling or non-self-leveling, these loaders help you lift more, push harder or clear faster.

And with features like integrated parking stand for easy attachment and removal, and hydraulics that improve cycle times and productivity, you can get your loader chores done in no time. Best of all, the 3,754 lbs of lift capacity when paired with a 540M gives you the power to take on any challenge around your operation.

Loader (Mechanical Self-Leveling, Non-Self-Leveling)	520M MSL	520M NSL	540M NSL
Lift capacity at full height, at pivot	2606 lb. (1182 kg)	3549 lb. (1610 kg)	3754 lb. (1703 kg)
Lift capacity at full height, 800 mm ahead of pivot	2822 lb. (1280 kg)	2368 lb. (1074 kg)	2582 lb. (1171 kg)
Lift capacity @ 59 in. (1.5 m) lift height, at pivot	3552 lb. (1611 kg)	4096 lb. (1858 kg)	4960 lb. (2250 kg)
Lift capacity @ 59 in. (1.5 m) lift height, at 800 mm ahead of pivot	3492 lb. (1584 kg)	3014 lb. (1367 kg)	3783 lb. (1716 kg)
Boom breakout force, at pivot	4793 lb. (2174 kg)	4729 lb. (2145 kg)	6360 lb. (2885 kg)
Boom breakout force, 800 mm ahead of pivot	4048 lb. (1836 kg)	3236 lb. (1468 kg)	4639 lb. (2104 kg)
Maximum lift height	132 in. (3343 mm)	133 in. (3369 mm)	137 in. (3482 mm)
Clearance with bucket dumped	99 in. (2516 mm)	100 in. (2547 mm)	96 in. (2444 mm)
Reach at maximum height	33 in. (839 mm)	30.9 in. (784 mm)	44 in. (1110 mm)
Reach at ground level	86 in. (2172 mm)	85 in. (2153 mm)	103 in. (2627 mm)
Digging depth	4 in. (93 mm)	-2 in. (-50 mm)	-6 in. (-143 mm)
Dump angle @ full height	-54 degrees	-54 degrees	-73 degrees
Rollback angle @ ground	43 degrees	45 degrees	45 degrees

5E UTILITY TRACTORS
4-CYLINDER 3-POINT HITCH

POWER WHERE YOU NEED IT

Tilling and rotary cutting demand a strong, durable 3-point hitch. That's why the 5E Series 4-cylinder offers 3,213 lbs (1,448 kg) of rear hitch lift capacity. Having variety to select from, enables you to match a tractor to your specific application.

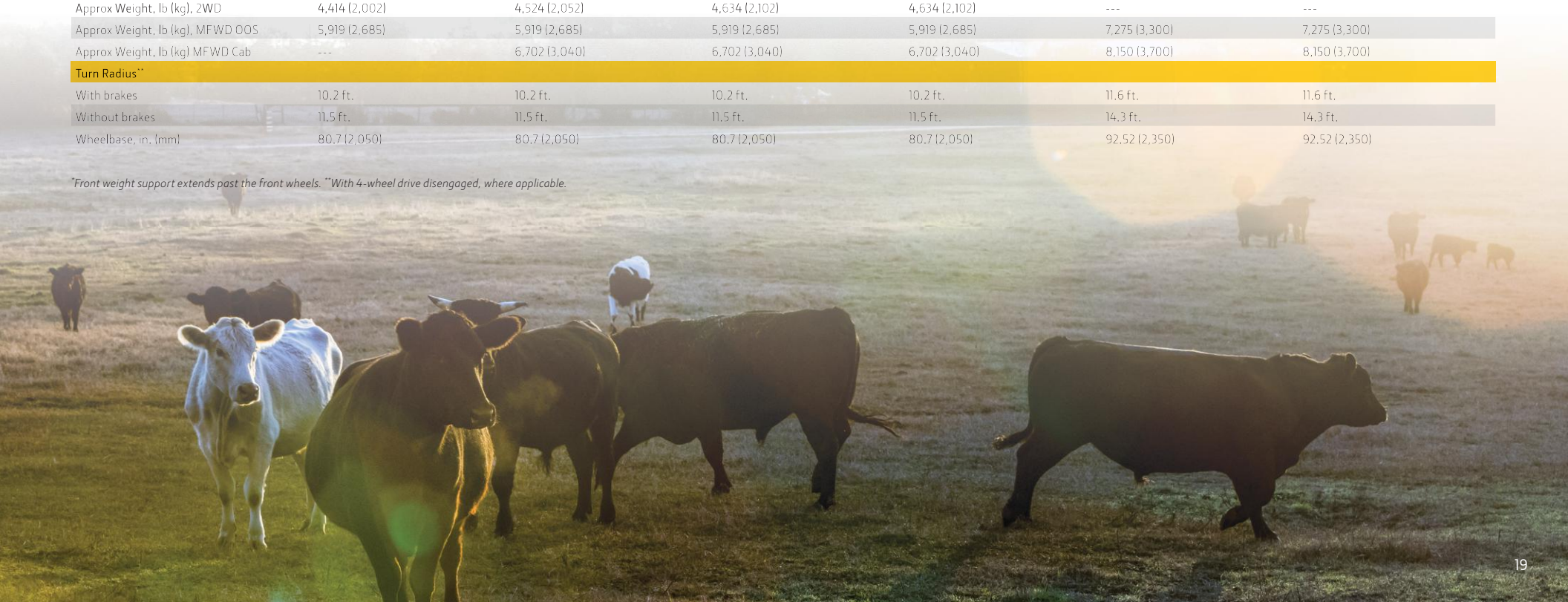
All 5E models come standard with a Category 2 rear hitch and feature an independent PTO that allows for separate control of both tractor and PTO.

Tractor Series	5045E	5055E	5065E	5075E	5090E	5100E
Engine HP (kW) @ Rated Speed*	50 (37.4) @ 2100	59 (44.4) @ 2100	67 (50.4) @ 2100	73 (55.0) @ 2100	90 (62.5) @ 2400	100 (74.6) @ 2400
PTO HP (kW) @ Rtd RPM**	37 (27.6) @ 2100	41 (30.6) @ 2100	49 (36.6) @ 2100	57 (43) @ 2100	75 (52.2) @ 2400	85 (63.4) @ 2400
Max PTO HP**	38 (28.5) @ 1800	45 (33.6) @ 1800	53 (39.6) @ 1800	61 (45.5) @ 1800	78HP(58.2kW) @ 2200RPM	88HP(65.6kW) @ 2200RPM
Engine						
Make	John Deere PowerTech 3029	John Deere PowerTech 3029	John Deere PowerTech 3029	John Deere PowerTech 3029	John Deere PowerTech 4045	John Deere PowerTech 4045
Aspiration	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged
Cylinders	3	3	3	3	4	4
Displacement, cu. in. (liters)	179 (2.9)	179 (2.9)	179 (2.9)	179 (2.9)	276 (4.5)	276 (4.5)
Cylinder Liners	Wet Sleeved	Wet Sleeved	Wet Sleeved	Wet Sleeved	Wet Sleeved	Wet Sleeved
Transmission						
Standard	9F/3R SyncShuttle	9F/3R SyncShuttle	9F/3R SyncShuttle	9F/3R SyncShuttle	12F/12R PowrReverser	12F/12R PowrReverser
Optional	---	12F/12R PowrReverser	12F/12R PowrReverser	12F/12R PowrReverser	24F/12R PowrReverser	24F/12R PowrReverser
Reverser	No	No	No	No	Yes	Yes
On-the-Go Shifting (Yes/No/Partial)	Partial	Partial	Partial	Partial	Partial	Partial
Traction Clutch - Standard/Option	Dry	Dry/Wet (12F/12R PowrReverser)	Dry/Wet (12F/12R PowrReverser)	Dry/Wet (12F/12R PowrReverser)	Wet	Wet
Fuel System						
Fuel Tank OOS - Gal. (L)	19 (71.9)	19 (71.9)	19 (71.9)	19 (71.9)	30 (113.6)	30 (113.6)
Fuel Tank Cab - Gal. (L)	---	21 (79.5)	21 (79.5)	21 (79.5)	30 (113.6)	30 (113.6)
Power Take-Off (PTO)						
Standard	Independent 540	Independent 540	Independent 540	Independent 540	Independent 540/540E	Independent 540/540E
Optional (PR)	---	Independent 540/540E	Independent 540/540E	Independent 540/540E	Independent 540/1000	Independent 540/1000
PTO Actuation - Standard/Optn	Mechanical	Mechanical/Electrohydraulic	Mechanical/Electrohydraulic	Mechanical/Electrohydraulic	Electrohydraulic	Electrohydraulic
Economy PTO	No	Yes	Yes	Yes	Yes	Yes
Hydraulics						
Type	Open Center	Open Center	Open Center	Open Center	Open Center	Open Center
Steering gpm (L/min)	6 (22.7)	6 (22.7)	6 (22.7)	6 (22.7)	6.6 (24.9)	6.6 (24.9)
Implement gpm(L/min)	11.5 (43.5)	11.5 (43.5)	11.5 (43.5)	11.5 (43.5)	15.9 (60.1)	15.9 (60.1)
Total	17.5 (66.2)	17.5 (66.2)	17.5 (66.2)	17.5 (66.2)	22.5 (85.1)	22.5 (85.1)
Rear SCVs						
Base	1	1	1	1	2	2
Optional	2	2	2	2	3	3
Mid SCVs						
Base	0	0	0	0	0	0
Optional	2	2	2	2	2, 3	2, 3
3-Point Hitch						
OECD Hitch Lift Cap @ 24 in. behind hitch balls lb. (kg)	3,192 (1,448)	3,192 (1,448)	3,192 (1,448)	3,192 (1,448)	3,213 (1,457)	3,213 (1,457)
Hitch Category	Category 2 (convertible to 1)	Category 2 (convertible to 1)	Category 2 (convertible to 1)	Category 2 (convertible to 1)	Category 2	Category 2
Draft Sensing Type	Top Link	Top Link	Top Link	Top Link	Top Link	Top Link
Operator Station						
Type - Standard/Option	Open Station	Open Station/Cab	Open Station/Cab	Open Station/Cab	Open Station/Cab	Open Station/Cab

*97/68 EC gross engine horsepower. **5045E PTO horsepower at rated speed Open Station with 9F/3R SyncShuttle™ Transmission. 5055E, 5065E, 5075E PTO horsepower at rated speed Cab with 9F/3R SyncShuttle™ Transmission. 5085E and 5100E PTO horsepower at rated speed Cab with 12F/12R PowrReverser™ Transmission.

Tractor Series	5045E	5055E	5065E	5075E	5090E	5100E
2WD Dimensions						
Overall length (minimum)	143.3 in.	143.3 in.	143.3 in.	143.3 in.	---	---
Overall width, rear axle b/w flanges	57.2 in.	57.2 in.	57.2 in.	57.2 in.	---	---
MFWD Dimensions						
Overall length (minimum)*	143.3 in.	143.3 in.	143.3 in.	143.3 in.	159.13 in.	159.13 in.
Overall width, rear axle b/w flanges	57.2 in..	57.2 in.	57.2 in.	57.2 in.	57.2 in.	57.2 in.
Height from ground						
To top of hood	61.1 in.	62 in.	63.9 in.	63.9 in.	70.6 in.	70.6 in.
To top of ROPS	96.7 in.	97.6 in.	99.5 in.	99.5 in.	101.1 in.	101.1 in.
To top of folded ROPS	69.9 in.	70.88 in.	72.7 in.	72.7 in.	79.6 in.	79.6 in.
To top of Cab	---	93.1 in.	95 in.	95 in.	102.4 in.	102.4 in.
Front Axle Clearance 2WD in. (mm),	15 (381)	16 (405)	17.8 (452)	17.8 (452)	---	---
Front Axle Clearance MFWD OOS in. (mm),	10.3 (340)	11.2 (285)	13.1 (332)	13.1 (332)	17.0 (432)	17.0 (432)
Front Axle Clearance MFWD Cab in. (mm)	---	11.2 (285)	13.1 (332)	13.1 (332)	15.2 (386)	15.2 (386)
Standard Tires – 2WD						
Front	7.5 - 16; F2	7.5 - 16; F2	7.5 - 16; F2	7.5 - 16; F2	---	---
Rear	13.6 - 28; R1	14.9 - 28; R1	16.9 - 28; R1	16.9 - 28; R1	---	---
Standard Tires – MFWD						
Front	9.5 - 24; R1	9.5 - 24; R1	9.5 - 24; R1	9.5 - 24; R1	12.4-24; R1	12.4 - 24; R1
Rear	13.6 - 28; R1	14.9 - 28; R1	16.9 - 28; R1	16.9 - 28; R1	18.4-30; R1	18.4 - 30; R1
Weight						
Approx Weight, lb (kg), 2WD	4,414 (2,002)	4,524 (2,052)	4,634 (2,102)	4,634 (2,102)	---	---
Approx Weight, lb (kg), MFWD OOS	5,919 (2,685)	5,919 (2,685)	5,919 (2,685)	5,919 (2,685)	7,275 (3,300)	7,275 (3,300)
Approx Weight, lb (kg) MFWD Cab	---	6,702 (3,040)	6,702 (3,040)	6,702 (3,040)	8,150 (3,700)	8,150 (3,700)
Turn Radius**						
With brakes	10.2 ft.	10.2 ft.	10.2 ft.	10.2 ft.	11.6 ft.	11.6 ft.
Without brakes	11.5 ft.	11.5 ft.	11.5 ft.	11.5 ft.	14.3 ft.	14.3 ft.
Wheelbase, in. (mm)	80.7 (2,050)	80.7 (2,050)	80.7 (2,050)	80.7 (2,050)	92.52 (2,350)	92.52 (2,350)

*Front weight support extends past the front wheels. **With 4-wheel drive disengaged, where applicable.



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CANADA'S OUTSTANDING YOUNG FARMERS

FLEX WING ROTARY CUTTERS

JOHN DEERE

The Clear-Cut Choice

E SERIES

E12, E15 MODELS

A highly-coveted, 12-ft. cutting width is now available from John Deere with the E12 model, a size that offers exceptional compatibility with smaller tractors. An excellent choice for orchards and small fields, the E-Series features single-dome deck design, a new cutting chamber and rounded edges. The E15 model provides a 15-ft. cutting width.

Other key highlights include:

- **540 RPM PTO**
- **Rigid Tongue**
- **Clevis Hitch**
- **5-Year Gearbox Warranty**
- **Transport Lights**
- **11-Gauge Deck Thickness**

See back panel for complete spec information.

M SERIES

M15, M20

In addition to the availability of both 15-ft. and 20-ft. cutting widths, the M Series offers optional rear wheel torsional suspension for unmatched stability on uneven terrain. But that's not all as the M Series also boasts of a newly designed cutting chamber along with plenty of choices when it comes to front suspension, gearboxes, drivelines, hitches and tires.

Other features include:

- **540 or 1,000 RPM PTO**
- **5-Year Gearbox Warranty**
- **2 SCV Hydraulic System: Independent Cut Height & Wing Control**
- **Spring Front Mount Suspension (Optional)**
- **Rear Spring Suspension (Torsional Suspension Optional)**
- **10-Gauge Deck Thickness**

See back panel for complete spec information.

SWIVEL HITCH
On 15-ft. M and R models, you can opt for a swivel hitch – a true difference maker in the field that gives you the upper hand when encountering tough terrain.

R SERIES

R10, R15, R20 MODELS

At the top of the flex wing line is the R Series, which offers many standard features that include rear torsional suspension, advanced cutting chamber and maintenance-free wing hinges. The R Series comes in 10-ft., 15-ft. or 20-ft. cutting widths and features optional hammer blades.

Well-suited for the rigors of tough farm conditions and grueling roadside work, the R-Series also delivers other key benefits:

- **Category 6 Main Driveline**
- **5-Year Gearbox Warranty**
- **Spring Front Mount Suspension (Optional)**
- **Torsional Rear Suspension**
- **3 SCV Hydraulic System:**
  Independent Cut Height & Left / Right Wing Control
- **7-Gauge Deck Thickness**

See back panel for complete spec information.

OUR ALL-NEW FLEX WINGS WILL BLOW YOU OUT OF THE WATER

At John Deere we hear our customers but, more importantly, we listen to them. And thanks to your feedback, we've launched a brand new line of flex wing rotary cutters that's sure to please.

With seven models to choose from, we've checked the boxes across the board for property owners, agricultural producers, commercial operators and municipal contractors – meaning you'll find the ideal flex wing for your cutting applications.

With newly designed cutting chambers and cutting widths of 10, 12, 15 and 20 feet – along with a whole slew of productivity-enhancing improvements such as **increased ground speed, reduced maintenance and reliable cut quality** – John Deere's flex wing rotary cutters will make your days in the field even better. That's what we do at John Deere.

Visit your local John Deere dealer today to learn more.

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*SPECIFICATIONS**

	E12	E15	M15	M20	R10	R15	R20
CUTTING WIDTH	12 ft (3.7 m)	15 ft (4.6 m)	15 ft (4.6 m)	20 ft (6.1 m)	10 ft (3 m)	15 ft (4.6 m)	20 ft (6.1 m)
CUTTING HEIGHT	1 to 16 in (25 to 406 mm)	1 to 16 in (25 to 406 mm)	1 to 16 in (25 to 406 mm)	1 to 16 in (25 to 406 mm)	1 to 16 in (25 to 406 mm)	1 to 16 in (25 to 406 mm)	1 to 16 in (25 to 406 mm)
OVERALL WIDTH	12.4 ft (3.8 m)	15.4 ft (4.7 m)	15.4 ft (4.7 m)	20.3 ft (6.2 m)	11.5 ft (3.5 m)	15.4 ft (4.7 m)	20.3 ft (6.2 m)
OVERALL LENGTH	15.7 ft (4.8 m)	17.3 ft (5.3 m)	17.3 ft (5.3 m)	17.3 ft (5.3 m)	17.3 ft (5.3 m)	17.3 ft (5.3 m)	17.3 ft (5.3 m)
TRANSPORT WIDTH	7.5 ft (2.3 m)	9.1 ft (2.8 m)	9.1 ft (2.8 m)	11.1 ft (3.4 m)	8.2 ft (2.5 m)	9.1 ft (2.8 m)	11.1 ft (3.4 m)
BODY DEPTH	10 in (276 mm)	10 in (276 mm)	10 in (276 mm)	10 in (276 mm)	10 in (276 mm)	10 in (276 mm)	10 in (276 mm)
DECK THICKNESS	0.12 in (3 mm) Gauge size: 11	0.12 in (3 mm) Gauge size: 11	0.14 in (3.5 mm) Gauge size: 10	0.14 in (3.5 mm) Gauge size: 10	0.17 in (4.5 mm) Gauge size: 7	0.17 in (4.5 mm) Gauge size: 7	0.17 in (4.5 mm) Gauge size: 7
SKIRT THICKNESS	0.23 in (6 mm) Gauge size: 3	0.23 in (6 mm) Gauge size: 3	0.23 in (6 mm) Gauge size: 3	0.23 in (6 mm) Gauge size: 3	0.23 in (6 mm) Gauge size: 3	0.23 in (6 mm) Gauge size: 3	0.23 in (6 mm) Gauge size: 3
DRIVELINE AND PROTECTION	**Protection:** Category 4 slip clutch **Profile:** multispline/star	**Protection:** Category 4 slip clutch **Profile:** multispline/star	**Protection:** Category 5/6 slip clutch **Profile:** multispline/star	**Protection:** Category 5/6 slip clutch **Profile:** multispline/star	**Protection:** Category 6 slip clutch **Profile:** multispline/star	**Protection:** Category 6 slip clutch **Profile:** multispline/star	**Protection:** Category 6 slip clutch **Profile:** multispline/star
GEARBOX POWER RATING — TRANSFER	**Continuous:** 186 kW 250 hp **Peak:** 224 kW 300 hp	**Continuous:** 186 kW 250 hp **Peak:** 224 kW 300 hp	**Continuous:** 186 kW 250 hp **Peak:** 224 kW 300 hp	**Continuous:** 186 kW 250 hp **Peak:** 224 kW 300 hp	**Continuous:** 186 kW 250 hp **Peak:** 224 kW 300 hp	**Continuous:** 186 kW 250 hp **Peak:** 224 kW 300 hp	**Continuous:** 186 kW 250 hp **Peak:** 224 kW 300 hp
GEARBOX POWER RATING — CENTER OUTER	**Continuous:** 56 kW 75 hp **Peak:** 75 kW 100 hp	**Continuous:** 56 kW 75 hp **Peak:** 75 kW 100 hp	**Continuous:** 75 kW 100 hp **Peak:** 161 kW 216 hp	**Continuous:** 75 kW 100 hp **Peak:** 161 kW 216 hp	**Continuous:** 93 kW 125 hp **Peak:** 168 kW 225 hp	**Continuous:** 93 kW 125 hp **Peak:** 168 kW 225 hp	**Continuous:** 93 kW 125 hp **Peak:** 168 kW 225 hp
BLADEHOLDER	Round pan (stump jumper)	Round pan (stump jumper)	Round pan (stump jumper) or blade bar (double blade)	Round pan (stump jumper) or blade bar (double blade)	Round pan (stump jumper)	Round pan (stump jumper)	Round pan (stump jumper)
BLADE (STANDARD)	**Stump-jumper, single-suction blade:** 0.5 x 4 in (13 x 102 mm) **Overlap:** 6 in (152 mm)	**Stump-jumper, single-suction blade:** 0.5 x 4 in (13 x 102 mm) **Overlap:** 6 in (152 mm)	**Stump-jumper, single-suction blade:** 0.5 x 4 in (12.7 x 101.6 mm) **Blade bar, dual blades (optional):** 0.5 x 4 in (12.7 x 101.6 mm) **Overlap:** 6 in (152 mm)	**Stump-jumper, single-suction blade:** 0.5 x 4 in (12.7 x 101.6 mm) **Blade bar, dual blades (optional):** 0.5 x 4 in (12.7 x 101.6 mm) **Overlap:** 6 in (152 mm)	**Stump-jumper, single-suction blade:** 0.5 x 4 in (12.7 x 101.6 mm) **Overlap:** 6 in (152 mm)	**Stump-jumper, single-suction blade:** 0.5 x 4 in (12.7 x 101.6 mm) **Overlap:** 6 in (152 mm)	**Stump-jumper, single-suction blade:** 0.5 x 4 in (12.7 x 101.6 mm) **Overlap:** 6 in (152 mm)
BLADE-TIP SPEED	**540 rpm:** 17,047 ft/min (86.6 m/s)	**540 rpm:** 17,281 ft/min (87.8 m/s)	**540 rpm:** 15,586 ft/min (79.2 m/s) **1000 rpm:** 15,837 ft/min (80.5 m/s)	**540 rpm:** 15,346 ft/min (78.0 m/s) **1000 rpm:** 16,087 ft/min (81.7 m/s)	**540 rpm:** 15,586 ft/min (79.2 m/s)	**540 rpm:** 15,586 ft/min (79.2 m/s) **1000rpm:** 15,837 ft/min (80.5 m/s)	**540 rpm:** 15,346 ft /min (78.0 m/s) **1000rpm:** 16,087 ft/min (81.7 m/s)
BRUSH CUTTING CAPACITY	2 in (50 mm)	2 in (50 mm)	3 in (76 mm)	3 in (76 mm)	4 in (102 mm) 5 in (127 mm) with hammer blade	4 in (102 mm) 5 in (127 mm) with hammer blade	4 in (102 mm) 5 in (127 mm) with hammer blade
HITCH CATEGORY	**Standard self-level clevis hitch** with 22.5 in (572 mm) narrow-profile width	**Standard self-level clevis hitch** with 22.5 in (572 mm) narrow-profile width	**Standard self-level clevis hitch** with 22.5 in (572 mm) narrow-profile width **Ball-type, self-level hitch (optional)** with 22.5 in (572 mm) narrow-profile width and 22° rotation freedom to each side **Swivel hitch (optional)**	**Standard self-level clevis hitch** with 22.5 in (572 mm) narrow-profile width **Ball-type, self-level hitch (optional)** with 22.5 in (572 mm) narrow-profile width and 22° rotation freedom to each side	**Standard self-level clevis hitch** with 22.5 in (572 mm) narrow-profile width **Ball-type, self-level hitch (optional)** with 22.5 in (572 mm) narrow-profile width and 22° rotation freedom to each side	**Standard self-level clevis hitch** with 22.5 in (572 mm) narrow-profile width **Ball-type, self-level hitch (optional)** with 22.5 in (572 mm) narrow-profile width and 22° rotation freedom to each side **Swivel hitch (optional)**	**Standard self-level clevis hitch** with 22.5 in (572 mm) narrow-profile width **Ball-type, self-level hitch (optional)** with 22.5 in (572 mm) narrow-profile width and 22° rotation freedom to each side
MINIMUM TRACTOR PTO FORCE POWER	40 hp (30 kW)	50 hp (37.5 kW)	55 hp (41 kW)	75 hp (56 kW)	50 hp (37.5 kW)	55 hp (41 kW)	75 hp (56 kW)
WEIGHT (LESS ATTACHMENTS)	3580 lb (1623 kg)	4519 lb (2049 kg)	5035 lb (2283 kg)	6520 lb (2957 kg)	5685 lb (2578 kg)	6258 lb (2838 kg)	7643 lb (3466 kg)
WING HYDRAULICS	**Wing lift:** simultaneous, with spring-assist unfolding **Wing flex:** 90 degrees up for transport, 22 degrees down and 45 degrees up working angles	**Wing lift:** simultaneous, with spring-assist unfolding **Wing flex:** 90 degrees up for transport, 22 degrees down and 45 degrees up working angles	**Wing lift:** simultaneous, with spring-assist unfolding **Wing flex:** 90 degrees up for transport, 22 degrees down and 45 degrees up working angles	**Wing lift:** simultaneous, with spring-assist unfolding **Wing flex:** 90 degrees up for transport, 22 degrees down and 45 degrees up working angles	**Wing lift:** independent, with spring-assist unfolding **Wing flex:** 90 degrees up for transport, 22 degrees down and 45 degrees up working angles	**Wing lift:** independent, with spring-assist unfolding **Wing flex:** 90 degrees up for transport, 22 degrees down and 45 degrees up working angles	**Wing lift:** independent, with spring-assist unfolding **Wing flex:** 90 degrees up for transport, 22 degrees down and 45 degrees up working angles
WHEELS	Non-row width adjustable - no suspension	Non-row width adjustable - no suspension	Row-width adjustable suspension: Spring	Row-width adjustable suspension: Spring	Row-width adjustable suspension: Torsional	Row-width adjustable suspension: Torsional	Row-width adjustable suspension: Torsional
TIRES	(4-bolt, laminated): 21 x 5.25 x 9 in (533 x 305 x 229 mm) **Optional:** (4-bolt, 16 PR severe-duty ag): 21 x 7 x 12 in (533 x 178 x 305 mm)	(4-bolt, laminated): 21 x 5.25 x 9 in (533 x 305 x 229 mm) **Optional:** (4-bolt, 16 PR severe-duty ag): 21 x 7 x 12 in (533 x 178 x 305 mm)	(4-bolt, laminated): 21 x 5.25 x 9 in (533 x 305 x 229 mm) **Optional:** (4-bolt, 16 PR severe-duty ag): 21 x 7 x 12 in (533 x 178 x 305 mm) (4-bolt, 16 PR severe-duty ag foam filled): 21 x 7 x 12 in (533 x 178 x 305 mm)	(4-bolt, laminated): 21 x 5.25 x 9 in (533 x 305 x 229 mm) **Optional:** (4-bolt, 16 PR severe-duty ag): 21 x 7 x 12 in (533 x 178 x 305 mm) (4-bolt, 16 PR severe-duty ag foam filled): 21 x 7 x 12 in (533 x 178 x 305 mm)	(5-bolt, laminated): 21 x 5.25 x 9 in (533 x 305 x 229 mm) **Optional:** (5-bolt, 24 PR severe-duty ag): 26 x 9 x 14.5 in (660 x 229 x 368 mm) (5-bolt, 24 PR severe-duty ag foam filled): 26 x 9 x 14.5 in (660 x 229 x 368 mm)	(5-bolt, laminated): 21 x 5.25 x 9 in (533 x 305 x 229 mm) **Optional:** (5-bolt, 24 PR severe-duty ag): 26 x 9 x 14.5 in (660 x 229 x 368 mm) (5-bolt, 24 PR severe-duty ag foam filled): 26 x 9 x 14.5 in (660 x 229 x 368 mm)	(5-bolt, laminated): 21 x 5.25 x 9 in (533 x 305 x 229 mm) **Optional:** (5-bolt, 24 PR severe-duty ag): 26 x 9 x 14.5 in (660 x 229 x 368 mm) (5-bolt, 24 PR severe-duty ag foam filled): 26 x 9 x 14.5 in (660 x 229 x 368 mm)
ADDITIONAL BASE FEATURES	–	–	-	-	Maintenance-free bushing on wing hinges Sealed bearings on wheel hubs Deck rings	Maintenance-free bushing on wing hinges Sealed bearings on wheel hubs Deck rings	Maintenance-free bushing on wing hinges Sealed bearings on wheel hubs Deck rings

** Specifications and design subject to change without notice.*

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DEERE & COMPANY
Cary, North Carolina

This Contract is made and entered into by the **Houston-Galveston Area Council of Governments,** hereinafter referred to as **H-GAC,** having its principal place of business at 3555 Timmons Lane, Suite 120, Houston, Texas 77027, AND, **Deere & Company** hereinafter referred to as the **CONTRACTOR,** having its principal place of business at 2000 John Deere Run, Cary, North Carolina 27513.

ARTICLE 1: SCOPE OF SERVICES

The parties have entered into a **Grounds & Turf Equipment** Contract to become effective as of January 1, 2018, and to continue through December 31, 2019 (the "**Contract**"), subject to extension upon mutual agreement of the **CONTRACTOR** and **H-GAC. H-GAC** enters into the Contract as Agent for participating governmental agencies, each hereinafter referred to as **END USER,** for the purchase of **Grounds & Turf Equipment** offered by the **CONTRACTOR.** The **CONTRACTOR** agrees to sell **Grounds & Turf Equipment** through the **H-GAC** Contract to **END USERS**.

ARTICLE 2: THE COMPLETE AGREEMENT

The Contract shall consist of the documents identified below in order of precedence:

1. The text of this Contract form, including but not limited to, Attachment A
2. General Terms and Conditions
3. Bid Specifications No: **GR01-18**, including any relevant suffixes
4. **CONTRACTOR's** Response to Bid No: **GR01-18**, including but not limited to, prices and options offered

All of which are either attached hereto or incorporated by reference and hereby made a part of this Contract, and shall constitute the complete agreement between the parties hereto. This Contract supersedes any and all oral or written agreements between the parties relating to matters herein. Except as otherwise provided herein, this Contract cannot be modified without the written consent of both parties.

ARTICLE 3: LEGAL AUTHORITY

CONTRACTOR and **H-GAC** warrant and represent to each other that they have adequate legal counsel and authority to enter into this Contract. The governing bodies, where applicable, have authorized the signatory officials to enter into this Contract and bind the parties to the terms of this Contract and any subsequent amendments thereto.

ARTICLE 4: APPLICABLE LAWS

The parties agree to conduct all activities under this Contract in accordance with all applicable rules, regulations, directives, issuances, ordinances, and laws in effect or promulgated during the term of this Contract.

ARTICLE 5: INDEPENDENT CONTRACTOR

The execution of this Contract and the rendering of services prescribed by this Contract do not change the independent status of **H-GAC** or **CONTRACTOR**. No provision of this Contract or act of **H-GAC** in performance of this Contract shall be construed as making **CONTRACTOR** the agent, servant or employee of **H-GAC**, the State of Texas or the United States Government. Employees of **CONTRACTOR** are subject to the exclusive control and supervision of **CONTRACTOR. CONTRACTOR** is solely responsible for employee payrolls and claims arising therefrom.

ARTICLE 6: END USER AGREEMENTS

H-GAC acknowledges that the **END USER** may choose to enter into an End User Agreement with the **CONTRACTOR** through this Contract **and** that the term of said Agreement may exceed the term of the **H-GAC** Contract. However, this acknowledgement is not to be construed as **H-GAC's** endorsement or approval of the End User Agreement terms and conditions. **CONTRACTOR** agrees not to offer, agree to or accept from **END USER** any terms or conditions that conflict with or contravene those in **CONTRACTOR's H-GAC** contract. Further, termination of this Contract for any reason shall not result in the termination of the underlying End User Agreements entered into between **CONTRACTOR** and any **END USER** which shall, in each instance, continue pursuant to their stated terms and duration. The only effect of termination of this Contract is that **CONTRACTOR** will no longer be able to enter into any new End User Agreements with **END USERS** pursuant to this Contract. Applicable **H-GAC** order processing charges will be due and payable to **H-GAC** on any End User Agreements surviving termination of this Contract between **H-GAC** and **CONTRACTOR .**

ARTICLE 7: SUBCONTRACTS & ASSIGNMENTS

CONTRACTOR agrees not to subcontract, assign, transfer, convey, sublet or otherwise dispose of this Contract or any right, title, obligation or interest it may have therein to any third party without prior written notice to **H-GAC. H-GAC** reserves the right to accept or reject any such change. **CONTRACTOR** shall continue to remain responsible for all performance under this Contract regardless of any subcontract or assignment. **H-GAC** shall be liable solely to **CONTRACTOR** and not to any of its Subcontractors or Assignees.

ARTICLE 8: EXAMINATION AND RETENTION OF CONTRACTOR'S RECORDS

CONTRACTOR shall maintain during the course of its work, complete and accurate records of items that are chargeable to **END USER** under this Contract. **H-GAC**, through its staff or its designated public accounting firm, the State of Texas, or the United States Government shall have the right at any reasonable time to inspect copy and audit those records on or off the premises of **CONTRACTOR**. Failure to provide access to records may be cause for termination of this Contract. **CONTRACTOR** shall maintain all records pertinent to this Contract for a period of not less than five (5) calendar years from the date of acceptance of the final contract closeout and until any outstanding litigation, audit or claim has been resolved. The right of access to records is not limited to the required retention period, but shall last as long as the records are retained. **CONTRACTOR** further agrees to include in all subcontracts under this Contract, a provision to the effect that the subcontractor agrees that **H-GAC'S** duly authorized representatives, shall, until the expiration of five (5) calendar years after final payment under the subcontract or until all audit findings have been resolved, have access to, and the right to examine and copy any directly pertinent books, documents, papers, invoices and records of such subcontractor involving any transaction relating to the subcontract.

ARTICLE 9: REPORTING REQUIREMENTS

CONTRACTOR agrees to submit reports or other documentation in accordance with the General Terms and Conditions of the Bid Specifications. If **CONTRACTOR** fails to submit to **H-GAC** in a timely and satisfactory manner any such report or documentation, or otherwise fails to satisfactorily render performance hereunder, such failure may be considered cause for termination of this Contract.

ARTICLE 10: MOST FAVORED CUSTOMER CLAUSE

If **CONTRACTOR**, at any time during this Contract , routinely enters into agreements with other governmental customers within the State of Texas, and offers the same or substantially the same products/services offered to **H-GAC** on a basis that provides prices, warranties, benefits, and or terms more favorable than those provided to **H-GAC**, **CONTRACTOR** shall notify **H-GAC** within ten (10) business days thereafter of that offering and this Contract shall be deemed to be automatically amended effective retroactively to the effective date of the most favorable contract, wherein **CONTRACTOR** shall provide the same prices, warranties, benefits, or terms to **H-GAC** and its **END USER**. **H-GAC** shall have the right and option at any time to decline to accept any such change, in which case the amendment shall be deemed null and void. If **CONTRACTOR** is of the opinion that any apparently more favorable price, warranty, benefit, or term charged and/or offered a customer during the term of this Contract is not in fact most favored treatment, **CONTRACTOR** shall within ten (10) business days notify **H-GAC** in writing, setting forth the detailed reasons **CONTRACTOR** believes aforesaid offer which has been deemed to be a most favored treatment, is not in fact most favored treatment. **H-GAC**, after due consideration of such written explanation, may decline to accept such explanation and thereupon this Contract between **H-GAC** and **CONTRACTOR** shall be automatically amended, effective retroactively, to the effective date of the most favored agreement, to provide the same prices, warranties, benefits, or terms to **H-GAC**.

The Parties accept the following definition of routine: A prescribed, detailed course of action to be followed regularly; a standard procedure. ***EXCEPTION: This clause shall not be applicable to prices and price adjustments offered by a bidder, proposer or contractor, which are not within bidder's/ proposer's control [example; a manufacturer's bid concession], or to any prices offered to the Federal Government and its agencies.***

ARTICLE 11: SEVERABILITY

All parties agree that should any provision of this Contract be determined to be invalid or unenforceable, such determination shall not affect any other term of this Contract, which shall continue in full force and effect.

ARTICLE 12: DISPUTES

Any and all disputes concerning questions of fact or of law arising under this Contract, which are not disposed of by agreement, shall be decided by the Executive Director of **H-GAC** or his designee, who shall reduce his decision to writing and provide notice thereof to **CONTRACTOR**. The decision of the Executive Director or his designee shall be final and conclusive unless, within thirty (30) days from the date of receipt of such notice, **CONTRACTOR** requests a rehearing from the Executive Director of **H-GAC**. In connection with any rehearing under this Article, **CONTRACTOR** shall be afforded an opportunity to be heard and offer evidence in support of its position. The decision of the Executive Director after any such rehearing shall be final and conclusive. **CONTRACTOR** may, if it elects to do so, appeal the final and conclusive decision of the Executive Director to a court of competent jurisdiction. Pending final decision of a dispute hereunder, **CONTRACTOR** shall proceed diligently with the performance of this Contract and in accordance with **H-GAC'S** final decision.

ARTICLE 13: LIMITATION OF CONTRACTOR'S LIABILITY

Except as specified in any separate writing between the **CONTRACTOR** and an **END USER, CONTRACTOR's** total liability under this Contract, whether for breach of contract, warranty, negligence, strict liability, in tort or otherwise, but excluding its obligation to indemnify **H-GAC** described in Article 14, is limited to the price of the particular products/services sold hereunder, and **CONTRACTOR** agrees either to refund the purchase price or to repair or replace product(s) that are not as warranted. In no event will **CONTRACTOR** be liable for any loss of use, loss of time, inconvenience, commercial loss, lost profits or savings or other incidental, special or consequential damages to the full extent such use may be disclaimed by law. **CONTRACTOR** understands and agrees that it shall be liable to repay and shall repay upon demand to **END USER** any amounts determined by **H-GAC**, its independent auditors, or any agency of State or Federal government to have been paid in violation of the terms of this Contract.

ARTICLE 14: LIMIT OF H-GAC'S LIABILITY AND INDEMNIFICATION OF H-GAC

H-GAC's liability under this Contract, whether for breach of contract, warranty, negligence, strict liability, in tort or otherwise, is limited to its order processing charge. In no event will **H-GAC** be liable for any loss of use, loss of time, inconvenience, commercial loss, lost profits or savings or other incidental, special or consequential damages to the full extent such use may be disclaimed by law. Contractor agrees, to the extent permitted by law, to defend and hold harmless **H-GAC**, its board members, officers, agents, officials, employees, and indemnities from any and all claims, costs, expenses (including reasonable attorney fees), actions, causes of action, judgments, and liens arising as a result of CONTRACTOR's negligent act or omission under this Contract. **CONTRACTOR** shall notify **H-GAC** of the threat of lawsuit or of any actual suit filed against **CONTRACTOR** relating to this Contract.

ARTICLE 15: TERMINATION FOR CAUSE

H-GAC may terminate this Contract for cause based upon the failure of **CONTRACTOR** to comply with the terms and/or conditions of the Contract; provided that **H-GAC** shall give **CONTRACTOR** written notice specifying **CONTRACTOR'S** failure. If within thirty (30) days after receipt of such notice, **CONTRACTOR** shall not have either corrected such failure, or thereafter proceeded diligently to complete such correction, then **H-GAC** may, at its option, place **CONTRACTOR** in default and the Contract shall terminate on the date specified in such notice. **CONTRACTOR** shall pay to **H-GAC** any order processing charges due from **CONTRACTOR** on that portion of the Contract actually performed by **CONTRACTOR** and for which compensation was received by **CONTRACTOR.**

ARTICLE 16: TERMINATION FOR CONVENIENCE

Either **H-GAC** or **CONTRACTOR** may cancel or terminate this Contract at any time by giving thirty (30) days written notice to the other. **CONTRACTOR** may be entitled to payment from **END USER** for services actually performed; to the extent said services are satisfactory to **END USER. CONTRACTOR** shall pay to **H-GAC** any order processing charges due from **CONTRACTOR** on that portion of the Contract actually performed by **CONTRACTOR** and for which compensation is received by **CONTRACTOR.**

ARTICLE 17: CIVIL AND CRIMINAL PROVISIONS AND SANCTIONS

CONTRACTOR agrees that it will perform under this Contract in conformance with safeguards against fraud and abuse as set forth by **H-GAC**, the State of Texas and the acts and regulations of any funding entity. **CONTRACTOR** agrees to notify **H-GAC** of **any** suspected fraud, abuse or other criminal activity related to this Contract through filing of a written report promptly after it becomes aware of such activity.

ARTICLE 18: GOVERNING LAW & VENUE

This Contract shall be governed by the laws of the State of Texas. Venue and jurisdiction of any suit or cause of action arising under or in connection with this Contract shall lie exclusively in Harris County, Texas. Disputes between **END USER** and **CONTRACTOR** are to be resolved in accord with the law and venue rules of the state of purchase. **CONTRACTOR** shall immediately notify **H-GAC** of such disputes.

ARTICLE 19: PAYMENT OF H-GAC ORDER PROCESSING CHARGE

CONTRACTOR agrees to sell its products to **END USERS** based on the pricing and other terms of this Contract, including, but not limited to, the payment of the applicable **H-GAC** order processing charge. On notification from an **END USER** that an order has been placed with **CONTRACTOR, H-GAC** will invoice **CONTRACTOR** for the applicable order processing charge. Upon delivery of any product/service by **CONTRACTOR** and acceptance by **END USER, CONTRACTOR** shall, within thirty (30) calendar days or ten (10) business days after receipt of payment, whichever is less, pay **H-GAC** the full amount of the applicable order processing charge, whether or not **CONTRACTOR** has received an invoice from **H-GAC**. For sales made by **CONTRACTOR** based on this contract, including sales to entities without Interlocal Contracts, **CONTRACTOR** shall pay the applicable order processing charges to **H-GAC.** Further, **CONTRACTOR** agrees to encourage entities who are not members of **H-GAC's** Cooperative Purchasing Program to execute an **H-GAC** Interlocal Contract. **H-GAC** reserves the right to take appropriate actions including, but not limited to, contract termination if **CONTRACTOR** fails to promptly remit **H-GAC's** order processing charge. In no event shall **H-GAC** have any liability to **CONTRACTOR** for any goods or services an **END USER** procures from **CONTRACTOR**.

ARTICLE 20: LIQUIDATED DAMAGES

Any liquidated damages terms will be determined between **CONTRACTOR** and **END USER** at the time **END USER's** purchase order is placed.

ARTICLE 21: PERFORMANCE AND PAYMENT BOND FOR INDIVIDUAL ORDERS

H-GAC's contractual requirements DO NOT include a Performance & Payment Bond (PPB), and offered pricing should reflect this cost saving. However, **CONTRACTOR** must be prepared to offer a PPB to cover any specific order if so requested by **END USER. CONTRACTOR** shall quote a price to **END USER** for provision of any requested PPB, and agrees to furnish the PPB within ten business (10) days of receipt of **END USER's** purchase order.

ARTICLE 22: CHANGE OF CONTRACTOR STATUS

CONTRACTOR shall immediately notify **H-GAC,** in writing, of **ANY** change in ownership, control, dealership/franchisee status, Motor Vehicle license status, or name, and shall also advise whether or not this Contract shall be affected in any way by such change. **H-GAC** shall have the right to determine whether or not such change is acceptable, and to determine what action shall be warranted, up to and including cancellation of Contract.

ARTICLE 23: LICENSING REQUIRED BY TEXAS MOTOR VEHICLE BOARD *[IF APPLICABLE]*

CONTRACTOR will, for the duration of this Contract, maintain current licenses that are required by the Texas Motor Vehicle Commission Code. If at any time during this Contract period, any **CONTRACTOR'S** license is not renewed, or is denied or revoked, **CONTRACTOR shall** be deemed to be in default of this Contract unless the Motor Vehicle Board issues a stay or waiver. Contractor shall promptly provide copies of all current applicable Texas Motor Vehicle Board documentation to **H-GAC** upon request.

IN WITNESS WHEREOF, the parties have caused this Contract to be executed by their duly authorized representatives.

Signed for **Houston-Galveston Area Council,** Houston, Texas: _____
Jack Steele, Executive Director

Attest for **Houston-Galveston Area Council,** Houston, Texas: _____
Director

Date: January 9, 2018

Signed for **Deere & Company** Cary, North Carolina: Tamara Hebert

Printed Name & Title: Tamara Hebert, Contract Administrator

Date: Dec. 13, 2017

Attest for **Deere & Company** Cary, North Carolina: Shawn Parker

Printed Name & Title: Shawn Parker, Mgr. Contract Administration

Date: Dec 13, 2017

Attachment A
Deere & Company
Grounds & Turf Equipment
Contract No. GR01-18

H-GAC Product Code	Item Description	Discount
43D	John Deere Lawn Tractors except 100 Series Tractors L25 Effective September 7, 2017	17.5%
43E	John Deere Garden Tractors L30 Effective September 7, 2017	17.5%
43F	John Deere Equipment for Lawn and Garden Tractors (L35) Effective September 7, 2017	17.5%
43H	John Deere Commercial Walk-Behind Mowers Excluding GS18 C10 Effective September 7, 2017	22.50%
43I	John Deere Commercial Zero-Turn Mowers and Equipment C13 Effective September 7, 2017	22.5%
43J	John Deere Commercial Front Mowers C15 Effective September 7, 2017	22.5%
43K	John Deere Commercial Front Mowers MCS for 1400 and 1500 Series C15 Effective September 7, 2017	22.50%
43L	John Deere Commercial Wide Area Mowers C18 Effective September 7, 2017	22.50%
43N	John Deere Compact Utility Tractors C20 Effective September 7, 2017	17.5%
43O	John Deere Equipment for Compact Utility Tractors C25 Effective September 7, 2017	17.5%
43Q	John Deere Utility Vehicles C40 Effective September 7, 2017	12.5%
43R	John Deere High Performance Utility Vehicles C41 Effective September 7, 2017	12.5%
43T	John Deere Reel Mowers G10 Effective September 7, 2017	23.5%
43U	John Deere Special Application Mowers G15 Effective September 7, 2017	23.5%
43V	John Deere Special Application Vehicles G20 Effective September 7, 2017	23.5%
43W	John Deere Aeration G25 Effective September 7, 2017	23.5%
43X	John Deere Debris Maintenance G30 Effective September 7, 2017	23.5%

43Y	John Deere AG Tractors A2 Effective September 7, 2017	5045E, 5055E, 5065E, 5075E - 13.5%; 5085E, 5100E - 18.5%; 5000M's, R's, GV's, GN's, MH's and ML's - 21.5%; 6000-9000 - 23.5%
43Z1	John Deere AG Combines A3 Effective September 7, 2017	21.5%
43Z2	John Deere AG Cotton A4 Effective September 7, 2017	21.5%
43Z3	John Deere Hay & Forage A5 Effective September 7, 2017	21.5%
43Z4	John Deere Tillage A6 Effective September 7, 2017	21.5%
43Z5	John Deere Seeding/Planter/Drills A7 Effective September 7, 2017	21.5%
43Z6	John Deere Sprayers A8 Effective September 7, 2017	21.5%
43Z7	John Deere Material Handling: Loaders, Cutters, Scrapers, Shredders, Backhoes A9 Effective September 7, 2017	23.5%
43Z8	John Deere Ag Mananagement Solutions (AMS) A10 Effective September 7, 2017	23.5%

October 9, 2019

Brian Maxwell, City Manager
Honorable Mayor and City Council Members

Subject: Consider for the approval allowing the Fleet Facility to purchase the listed rolling stock (HD crane truck) and associated equipment from MHC Kenworth through Buy Board for a total price of $180,620.19 and authorize the City Manager to execute the contract upon final approval by the City Attorney.

I. Background

A. Funding for new equipment has been earmarked for the listed department(s).

B. Buy Board, HGAC Buy and TXMAS are cooperative purchasing organizations that the city is a member of that performs bidding packages for local governments. The Fleet Facility has performed competitive bidding packages on current equipment purchases to assure that these purchases are the better option a majority of the time.

C. The requested vehicle descriptions and their assignments are listed below.

D. The extended purchase price for this package is $180,620.19.

E. MHC Kenworth is located in Dallas Texas.

F. Delivery should be within 150 days from date of the purchase order issue. These items have to be delivered during the current fiscal year, and the dealer can support this request.

G. Additional equipment will be added by the dealer that was specified in the specification process as requested by the department.

II. Current Situation

The City Council will have to approve allowing the Fleet Facility to purchase the listed rolling stock (HD crane truck) and associated equipment from MHC Kenworth through Buy Board for

a total price of $180,620.19 and authorize the City Manager to execute the contract upon final approval by the City Attorney.

III. Alternatives in order of priority

A. City Council approves the purchase.

1. Cost - $180,620.19
2. Timing - Delivery should be within 150 days.
3. Divisional Improvements - Will provide the city with needed equipment to perform duties. Newer equipment will reduce fleet operational costs and will improve operations.

B. City Council does not approve the purchase.

1. Cost - No additional cost at this time.
2. Timing - N/A
3. Divisional Improvements - City staff will not be able to function without needed equipment. Older equipment will take on a heavier load, which will increase operational costs. Operations will slow.

IV. Recommendation

Concur in Alternative A and approve allowing the Fleet Facility to purchase the listed rolling stock (HD crane truck) and associated equipment from MHC Kenworth through Buy Board for a total price of $180,620.19 and authorize the City Manager to execute the contract upon final approval by the City Attorney.

V. Fiscal Impact Report

Requested by	David Smith Executive Director
Cost	$180,620.19

Funding Source	Capital Outlay
Savings Estimation	Will help reduce unit repair costs on the older fleet vehicles and will assist with improving services.

VI. Environmental Impact

All listed vehicles are produced under current EPA standards.

Respectfully Submitted

David Smith
Executive Director

City of Galveston

Fleet Facility

COST BREAKDOWN

Requested Purchase

Item	Division	Count	Make	Model	Cost	Funding
1	MU Sewer Treat	1	Kenworth	T370 w/ crane body	$ 180,620.19	Cap Fund
					$ 180,620.19	

PRICING WORKSHEET

Buying Agency:	**City of Galveston**		**Date Prepared:**	**10/7/2019**
			Contract #	**521-16**
Product Description:	**T370 Kenworth with Crane body**			
Contact Person:	**Earl Tucker**		**Item:**	**Base Chassis Bid**
				$ 55,974.32
B: Options	**Option cost is 90% of MSRP**			
Paccar PX-9 300 HP	**9,464.00**			
Exhaust DPF/SCR	**1,417.00**			
Allison trans 3000RDS	**12,289.00**			
Dana Driveline 1710 series	**707.00**			
Rear axle MeritorMS21-14x4 21K	**284.00**			
Front tow hooks	**253.00**			
Full frame insert	**1,760.00**			
In cab batter box	**1,809.00**			
Adjustable telescopic steering wheel	**570.00**			
Subtotal Column 1:	**$ 28,553.00**		**Subtotal Column 2:**	**$0.00**
Total Options				**$28,553.00**
90% of MSRP applied				**25,697.70**
CHASSIS WITH FACTORY OPTIONS				**$ 81,672.02**
TOTAL BODY PRICE	**See attached body spec sheet**		**Body**	**$98,548**
Additional Options:				Included
Buy Board Fee				**400.00**
Transportation				**Included**
DOT Inspection with Fire Extinguisher and Road Flare Kit				**Included**
Each			**TOTAL BUY BOARD PRICE**	**$180,620.19**

Please issue a purchase order to the Buy Board; the Buy Board will notify MHC Kenworth - Dallas, Texas

Thank you,

Earl Tucker

NEW TRUCK ORDER

TEXAS KENWORTH CO ("Dealer")
doing business as: MHC KENWORTH - DALLAS

DALLAS, TX 75247
4040 IRVING BLVD
1-214-920-7300

PURCHASER			ADDRESS				
City of Galveston			823 25th St				
BUSINESS PHONE	**OTHER PHONE**		**CITY**	**STATE**	**ZIP CODE**	**COUNTY**	**DATE**
			Galveston	TX	77550-2103	GALVESTON	10/07/2019
QUANTITY	**YEAR**	**MAKE**	**MODEL**	**BODY TYPE**		**SALESPERSON**	
1	2020	KW	T370			EARL TUCKER	
STOCK NUMBER		**COLOR**		**TO BE DELIVERED ON OR ABOUT**		**FINANCIAL SOURCE**	
				11/30/2019		Cash	
SERIAL NUMBERS							
PRICE OF VEHICLE(s) W/O FET							$179,840.41

TRADE TERMS AGREEMENT APPLICABLE ☐ YES ☒ NO

NOTE: If vehicle(s) are not funded within 15 days of truck receipt date at the dealer, customer will be charged a per diem amount per unit until units are fully funded. Customer has 60 days from delivery date of the truck to return and have any add-ons listed on the sales order completed.

DESCRIPTION OF TRADE-IN OR TRADE ATTACHMENT			ADD F.E.T.	
YEAR	**MAKE**	**MODEL**	SUBTOTAL	$179,840.41
			BUSINESS TAX	
SERIAL NUMBER		**MILEAGE**	SALES TAX	
			VIT TAX	$424.78
BALANCE OWED TO		**TRADE DIFFERENCE**	DOCUMENTATION FEE	$295.00
			REGISTRATION FEES	$60.00
			TOTAL DELIVERED PRICE	$180,620.19
			LESS: TRADE-IN ALLOWANCE	
			LESS: BALANCE OWED ON TRADE-IN	
			TRADE-IN EQUITY	
			LESS: CASH DEPOSIT SUBMITTED WITH ORDER	
			CASH DUE ON DELIVERY (Includes above Taxes, but may not be inclusive of all Applicable Taxes)	
			UNPAID BALANCE (Amount to be Separately Financed by Purchaser) Due in Cash on Delivery	$180,620.19

A DOCUMENTARY FEE IS NOT AN OFFICAL FEE. A DOCUMENTARY FEE IS NOT REQUIRED BY LAW, BUT MAY BE CHARGED TO BUYERS FOR HANDLING DOCUMENTS AND PERFORMING SERVICES RELATING TO THE CLOSING OF A SALE. A DOCUMENTARY FEE MAY NOT EXCEED $50 (FOR A MOTOR VEHICLE CONTRACT OR A REASONABLE AMOUNT AGREED TO BY PARTIES FOR A HEAVY COMMERCIAL VEHICLE CONTRACT). THIS NOTICE IS REQUIRED BY LAW.

PURCHASER'S CERTIFICATION

Purchaser and the person signing this Order on behalf of Purchaser hereby certify that:

1. Purchaser and the person signing this Order on behalf of Purchaser have carefully reviewed the terms and conditions printed on the front and reverse side hereof, and agree to be bound thereby. The terms and conditions printed on the front and reverse side hereof represent the entire and integrated agreement between the parties relating to the purchase and sale of the Vehicle and cancels and supersedes prior negotiations, representations or agreements, either written or oral.

2. Purchaser and the person signing this Order on behalf of Purchaser have Carefully reviewed this Order and fully understand that the Vehicle listed above will be equipped only with the optional equipment specifically listed on the face of this Order plus all standard equipment as designated by the manufacturer at the time of delivery.

3. The person signing this Order on behalf of Purchaser is of legal age to execute binding contracts in this State. The person signing this Order on behalf of Purchaser has the authority and has been duly authorized to sign this Order on behalf of the Purchaser.

READ ALL PAGES OF THIS ORDER

THE TERMS AND CONDITIONS ON PAGE 2 HEREOF ARE PART OF THIS ORDER.

THIS ORDER IS NOT VALID UNLESS SIGNED BY AND ACCEPTED BY AN AUTHORIZED MANAGER OF DEALER.

THE PRICE OF THIS VEHICLE DOES NOT INCLUDE ANY APPLICABLE TAXES, WHICH ARE THE RESPONSIBILITY OF PURCHASER AS SET FORTH ON ALL PAGES HEREOF.

ANY TAXES DISPLAYED ON THIS TRUCK ORDER ARE ESTIMATED. ACTUAL TAXES, AS APPLICABLE, WILL BE INVOICED TO THE PURCHASER AT THE PREVAILING TAX RATES AVAILABLE AT TIME OF VEHICLE INVOICE.

ANY DELIVERY DATES INDICATED ON THIS ORDER ARE ESTIMATES AND SUBJECT TO THE MANUFACTURERS' PRODUCTION SCHEDULE AND FINAL APPROVAL.

THIS ORDER CONTAINS A BINDING ARBITRATION PROVISION WHICH MAY BE ENFORCED BY THE PARTIES

TERMS AND CONDITIONS ON PAGE 2 HEREOF ARE PART OF THIS AGREEMENT

SIGNED (AUTHORIZED REPRESENTATIVE OF PURCHASER) :	DATE	ACCEPTED BY DEALER	DATE

CONTINUATION OF TERMS AND CONDITIONS CONSTITUTING A PART OF TRUCK ORDER

This Truck Order ("Order"), including the front of this Order and these terms and conditions, constitutes a contract for the purchase of the vehicle(s) or chassis ("Vehicle") listed and described on the front side hereof, between dealer identified on the front side hereof ("Dealer"), and the purchaser identified on the front side hereof ("Purchaser"). This Order is binding upon Dealer and Purchaser upon each party's execution on the front side hereof.

1. PRICE REVISION: The manufacturer of any new Vehicle ordered hereunder by Purchaser may change the price to dealer of such Vehicle after the date of this Order. In the event of any such price change, prior to the delivery of any new vehicle to Purchaser, the Dealer shall have the right to change the price of the Vehicle described on the front side hereof by providing notice of such change to Purchaser. If Purchaser does not agree to pay the changed price of the Vehicle, Purchaser shall cancel this Order by providing Dealer with written notice of such cancellation within two (2) days of notice from Dealer of the change in the price of the Vehicle. If Purchaser fails to timely provide Dealer with such written notice, Purchaser shall be bound to pay the changed cash price of the Vehicle. In the event Purchaser cancels this Order pursuant to this Paragraph 1 and has traded a used vehicle as part of the consideration for a new Vehicle purchased by Purchaser, such traded-in vehicle shall be returned to Purchaser upon payment of a reasonable charge for storage and repairs (if any) or, if such traded-in vehicle has been previously sold by Dealer, the amount received therefore less a selling commission of 15% and any expense for storing, insuring, conditioning, or advertising such vehicle for sale shall be returned to Purchaser.

2. DEALER NOT AGENT OF MANUFACTURER: It is understood that there is no relationship of principal and agent between the Dealer and the manufacturer of the Vehicle and that the Dealer is not authorized to act, or attempt to act, or represent itself, directly or by implication, as agent of the manufacturer, or in any manner assume or create, or attempt to assume or create, any obligation on behalf of or in the name of the manufacturer. It is further understood that neither Dealer nor anyone acting on its behalf has made, or adopted from the manufacturer, any guarantee, representation or warranty regarding the residual, trade-in, repurchase or buyback value of the Vehicle (a "Repurchase Obligation"), and that any Repurchase Obligation is the sole and exclusive responsibility of the manufacturer. Purchaser hereby acknowledges, agrees, represents and warrants that Purchaser shall look solely to the manufacturer to perform or satisfy any Repurchase Obligation.

3. DISCLAIMER OF WARRANTY: General: References to a "new Vehicle" herein shall mean a motor vehicle that has not been previously registered in any state of the United States of America. References to a "used Vehicle" herein shall mean a motor vehicle which has been previously registered or which should have been registered in a state of the United States of America. **PURCHASER HEREBY ACKNOWLEDGES THAT DEALER NOR ANYONE ACTING ON ITS BEHALF HAS MADE ANY AFFIRMATION OF FACT, REPRESENTATION OR PROMISE RELATING TO THE VEHICLE THAT HAS BECOME A BASIS OF THIS TRANSACTION OR WHICH CREATES AN EXPRESS WARRANTY. NO SAMPLE OR MODEL HAS BECOME A BASIS OF THIS TRANSACTION OR WHICH CREATES AN EXPRESS WARRANTY. TO THE FULLEST EXTENT PERMITTED BY LAW, DEALER DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, INFRINGEMENT, AND THOSE ARISING OUT OF COURSE OF PERFORMANCE OR DEALING OR USAGE OF TRADE OR ANY OTHER IMPLIED WARRANTY WITH RESPECT TO THE VEHICLE.**

New Vehicles: There are **NO WARRANTIES**, express or implied, made by Dealer or the manufacturer, on any new vehicle described on the front of this Order, except for the manufacturer's warranty applicable to such new Vehicle contained in the separate manufacturer's warranty which will be furnished to Purchaser upon delivery of the new vehicle. Such separate manufacturer's warranty shall be expressly IN LIEU OF any other express or implied warranty, condition or guarantee on the new Vehicle or any part thereof. Purchaser hereby acknowledges and agrees that Dealer has not in any manner adopted the manufacturer's warranty as a warranty of the Dealer and Purchaser acknowledges, agrees, represents and warrants that Purchaser shall look solely to the manufacturer to perform or satisfy any obligation under the manufacturer's warranty.

Used Vehicles: Dealer sells any used vehicle **AS IS** with all faults and defects, and the Dealer disclaims all warranties with respect to the Dealer in connection with the sale of any used Vehicle. If the Purchaser is assigned the remaining term of any manufacturer's warranty, Purchaser hereby acknowledges, agrees, represents and warrants that Dealer has not in any manner adopted the manufacturer's warranty as a warranty of Dealer, and Purchaser acknowledges, agrees, represents and warrants that Purchaser shall look solely to the manufacturer to perform or satisfy any obligation under the manufacturer's warranty. As between Purchaser and Dealer, the entire risk as to the quality and performance of any used Vehicle is assumed by Purchaser. As between Purchaser and Dealer, the Purchaser assumes the entire cost of service and repair and loss with respect to any used Vehicle found to be defective.

4. LIMITATION OF LIABILITY: DEALER WILL NOT BE LIABLE TO PURCHASER OR ANY OTHER PARTY FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, PUNITIVE OR OTHER INDIRECT DAMAGES, INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOST USE, LOST PROFITS, LOST SAVINGS OR OTHER COMMERCIAL OR ECONOMIC LOSS, EVEN IF DEALER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR THEY ARE FORESEEABLE OR FOR CLAIMS MADE BY A THIRD PARTY. IN NO EVENT SHALL DEALER'S TOTAL AGGREGATE LIABILITY TO PURCHASER OR ANY OTHER PARTY RELATING TO OR RESULTING FROM THE SALE, LICENSE OR USE OF A VEHICLE SUBJECT TO THIS ORDER OR THESE TERMS AND CONDITIONS EXCEED THE PURCHASE PRICE PAID FOR SUCH VEHICLE. THESE LIMITATIONS APPLY WHETHER THE LIABILITY IS BASED ON CONTRACT, TORT, STRICT LIABILITY OR ANY OTHER THEORY AND WHETHER THE ALLEGED BREACH OR DEFAULT IS A BREACH OF A FUNDAMENTAL CONDITION OR TERM, OR A FUNDAMENTAL BREACH. THESE LIMITATIONS APPLY TO THE FULLEST EXTENT PERMITTED BY LAW.

5. TRADE-IN VEHICLE: If a vehicle has been traded in as a part of the consideration for the Vehicle ordered by Purchaser hereunder and such traded in vehicle is not delivered to Dealer until delivery to Purchaser of the Vehicle, such trade-in vehicle shall be reappraised as directed by Dealer and such reappraisal value shall determine the allowance made for such vehicle. If such reappraised value is lower than the original allowance therefore shown on the face of this Order, Purchaser may, cancel this Order by providing Dealer with written notice of such cancellation within two (2) days after the reappraisal or prior to delivery of the Vehicle ordered hereunder to Purchaser whichever is earlier. If Purchaser fails to timely provide said written notice of such cancellation, Purchaser shall be bound to the amount of the reappraisal and shall pay the changed cash portion of the price of the Vehicle. The condition of any trade-in vehicle shall strictly comply with and Purchaser shall strictly comply with any Trade/Purchase Terms and Conditions Agreement signed by Purchaser ("Trade Terms Agreement"). If the condition of any trade-in vehicle is not strictly in compliance with, or if Purchaser has not strictly complied with the Trade Terms Agreement, Dealer shall not be obligated to accept the trade-in vehicle and the allowance shown on the front side hereof shall be deleted and Purchaser shall not be entitled to such allowance and Purchaser shall pay the amount of the deleted allowance to Dealer in cash upon delivery of the Vehicle.

6. PURCHASER'S REPRESENTATIONS AND WARRANTIES: Purchaser hereby represents and warrants that: (a) the trade-in vehicle shall be delivered free and clear from any security interest or other lien or encumbrance of any third person (except as otherwise noted on the title and agreed to in writing by Dealer at the time of the execution of this Order); (b) Purchaser shall promptly deliver to Dealer a valid certificate of title to the trade-in vehicle; (c) Purchaser has full power, right and lawful authority to dispose of the trade-in vehicle; (d) the trade-in vehicle does not have a cracked or defective head, block, power train, or frame (including supportive portion of the anybody); (e) the engine and transmission have not been changed from the manufacturer's original equipment specifications; and (f) while owned by Purchaser, the odometer of the trade-in vehicle has not been replaced, tampered with or otherwise altered in any way and Purchaser has no reason to believe the trade-in vehicle's current odometer reading, as represented on the front side hereof, does not reflect its actual mileage. Purchaser further represents and warrants that Purchaser will use the Vehicle exclusively for a commercial use.

7. FAILURE OR REFUSAL TO ACCEPT DELIVERY: Except as provided in Paragraphs 1 and 5 of this Order, Purchaser may not cancel this Order. In the event that Purchaser fails or refuses to complete the purchase of the Vehicle, Purchaser shall pay Dealer, as liquidated damages and not as a penalty, the greater of the following: (a) twenty-five percent (25%) of the Total Delivered Price of the Vehicle, or (b) the cash deposit set forth on the front of this Order ("Liquidated Damages"). Dealer may apply any cash deposit made by Purchaser towards the Liquidated Damages. Further, in the event Purchaser has delivered to Dealer a trade- in vehicle as part of the consideration for the Vehicle, Dealer is authorized to sell such trade-in vehicle and Dealer may retain the proceeds thereof to satisfy the Liquidated Damages. Purchaser acknowledges that the Liquidated Damages are reasonable in light of the anticipated or actual harm caused by Purchaser's failure to complete the purchase. Purchaser further acknowledges that the Liquidated Damages do not constitute a penalty, but instead represent the parties' best estimate of the resulting damages given that the precise damages of Dealer are difficult to calculate.

8. TAXES: Unless otherwise agreed to in a writing signed by Purchaser and Dealer, Purchaser shall be solely responsible for the payment of all sales, use, consumer and other taxes arising out of this Order mandated by any applicable federal, state and local laws, codes, ordinances, rules and regulations, whether currently in effect, scheduled to go in effect, or subsequently enacted, including but not limited to, any increases in such taxes taking effect after the date of this Order. Purchaser shall be solely responsible for the cost and fees for all licenses, registrations and titles associated with the sale of the Vehicle.

9. FAILURE OR DELAY OF DELIVERY; FORCE MAJEURE: Dealer shall not be liable for failure to deliver or delay in delivery of the Vehicle where such failure to deliver or delay is due, in whole or in part, to any cause other than the gross negligence of Dealer. Further, Dealer will not have any liability for any breach caused by extreme weather or other act of God, strike or other labor shortage or disturbance, fire, accident, war, terrorist act or civil disturbance, delay of carriers, failure of normal sources of supply, act of government or any other cause beyond the reasonable control of Dealer.

10. NOTICES: It shall be a condition precedent to any liability of Dealer, whether in contract, tort, or otherwise, arising out of this Order or any other dealings between the parties that Purchaser provide written notice to Dealer of any claim, controversy, or alleged breach of this Order within ten (10) days of the event or occurrence giving rise to such claim, controversy or alleged breach and that Purchaser provide Dealer within a reasonable opportunity to cure the problems or issues giving rise to such claim, controversy or alleged breach of this Order. Notwithstanding the foregoing, Purchaser must provide Dealer with notice of any claim, controversy, or alleged breach of this Order and demand for arbitration within twelve months of discovery or accrual of the same, whichever occurs first. It is understood and agreed by the parties that the foregoing provision is both a condition precedent to the right to take such action, and a contractual modification to the statute of limitations for all actions, whether in contract, tort or otherwise, and failure to comply with this condition precedent and contractual statute of limitations shall be an absolute bar to recovery for any problems, issues, rights, claims or causes of action not specifically pled within the twelve month period. Whenever this Order requires that notice be provided to the other party, notice shall be deemed to have been validly given (i) if delivered in person to the party entitled to receive such notice, (ii) two (2) days after being sent by registered or certified mail, postage prepaid to the address indicated on the front side of this Order, or (iii) one (1) day after being sent via overnight mail through a respectable overnight delivery company.

11. ARBITRATION: Any controversy or claim arising out of or relating to this Order shall be decided by arbitration administered by the American Arbitration Association in accordance with its Commercial Arbitration Rules, subject to the limitations and restrictions set forth in this Paragraph 11. A demand for arbitration shall be made within a reasonable time after a controversy or claim has arisen and in no event shall be made after the date when institution of legal or equitable proceedings based upon such claim or controversy would be barred by the applicable statute of limitations, subject to the restriction set forth in Paragraph 10. The arbitrator(s) shall have no authority to award punitive or other damages not measured by the prevailing party's actual damages. The parties acknowledge and agree that this Order evidences a transaction involving interstate commerce. Accordingly, the United States Arbitration Act (Title 9 of the United States Code) shall govern the interpretation, enforcement and proceedings pursuant to the arbitration provisions of this Order. The place of arbitration shall be the American Arbitration Association's office closest to the location of Dealer designated on the front side hereof. The parties shall be entitled to discover all documents and information reasonably necessary for a full understanding of any relevant issue raised in the arbitration. Regardless of any term or provision herein to the contrary, claims for contribution or indemnity filed by a party in any lawsuit or action filed or asserted by a third party on account of personal injury or death of any person or damage to property shall not be subject to the terms and provisions of this Paragraph 11. The award rendered by the arbitrator(s) shall be final, and judgment may be entered upon it in accordance with applicable law in any court having jurisdiction thereof.

12. EXPENSES AND COSTS: Should Dealer be required to institute any action, including any arbitration proceeding, to enforce any of its rights set forth in this Order, then Dealer shall be entitled to reimbursement from Purchaser for all expenses, including but not limited to, reasonable attorneys' and experts' fees, and costs incurred by Dealer in connection with such action. In the event Purchaser institutes any action, including any arbitration proceeding, against Dealer and in the further event Dealer prevails in such action, Purchaser shall pay Dealer the amount of all expenses, including but not limited to reasonable attorneys' and experts' fees, and costs incurred by Dealer in connection with such action.

13. MISCELLANEOUS: This Order may not be changed, altered or amended in any way except in writing signed by a corporate officer or authorized manager of Dealer and an agent of Purchaser. Purchaser acknowledges and agrees that Purchaser has had an adequate opportunity to review and revise this Order and the Order shall not be construed against or in favor of Purchaser or Dealer. No waiver by either party of a breach or default hereunder will be deemed a waiver by such party of a subsequent breach or default of a like or similar nature. No waiver of any of these terms and conditions or any of the terms and conditions will be effective against Dealer unless it is in writing signed by a corporate officer or authorized manager of Dealer. No course of dealing or performance, usage of trade or failure to enforce any term or condition will be used to modify this Order. If any of these terms or conditions is unenforceable, such term or condition will be limited only to the extent necessary to make it enforceable, and all other terms and conditions will remain in full force and effect. This Order is deemed to have been entered into in the state of the location of Dealer designated on the front side hereof and will governed by the laws of the state of the location of Dealer designated on the front side hereof, without giving effect to the choice of laws provisions thereof. The remedies expressly provided for in these conditions will be in addition to any other remedies that Dealer may have under the Uniform Commercial Code or other applicable law. Purchaser may not assign this Order without the prior written consent of Dealer. These terms and conditions are for the exclusive benefit of Dealer and Purchaser and no other person will have rights hereunder.

Customer Initials _____

QUOTE

Number	**018Q16007**
Date	10/07/2019

Sales Person

Chris Wilson
Phone 713-201-3101
Fax 814-793-4877
Email cwilson@currysupply.com

1624 Curryville Road Martinsburg PA 16662

Sold To	Ship To	Bill To
Phone		**Phone**

Terms	Type	FOB	Ship Via	Lead Time
TBD	**Modified**	**Houston, TX**	None Included	TBD

Line	Qty	Part No	Description	Unit Price	Ext. Price
1			**TMAX2-11 ALUMINUM**		
2			**BODY**		
3	1	75728X	Stellar TMAX2-11 Aluminum Mechanic Body. Aluminum Side Packs, Aluminum Doors, Steel Crane Compartment. ALL COMPARTMENTS RAISED TO 60", FLUSH FRONT BULKHEAD, torsion box understructure with isolated crane compartment to accommodate cranes up to Stellar 12630, Master-Lock system standard, exterior LED DOT light package, 22"D X 60"H side packs, 133" long, 21" step bumper with thru compartment, six (6) recessed cargo tie-downs, two (2) rear mounted grab handles, dual-seal automotive type compartment weather seal, rubber fenderettes,overlapped doors on SS1V, CS1V, overlapped doors on horizontal compartments, 12" fold down aluminum tailgate (painted black), 2 & 3-point stainless steel compression latches, stainless steel "Billet Style" hinges, spring loaded door stops, pintle hitch mount, prime painted, undercoated.		
4	1	13594	Mounting kit for TMAX2 - all lengths		
5			**SS1V**		
6	1	18259x	Heavy Duty Steel Drawer set, 4 6"H x 34"W x 18"D, 8-3", 2-5", 1-7" (incl. 2.5" riser) 60" compartment only		
7			**SS1V BEHIND DIVIDER**		
8	3	72773x	Shelf with (3) dividers 17.63"W x 19.00"D		
9			**SS HORIZONTAL**		
10	1	72894x	Shelf with (3) dividers 52.44"W x 19.00"D		

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Your quote was prepared by:	*M Richardson*

Line	Qty	Part No	Description	Unit Price	Ext. Price
11			**SS REAR**		
12	3	72869x	Shelf with (3) dividers 24.38"W x 19.00"D		
13			**CS1V**		
14	1	73116x	Divider kit with shelves 1 9.00 x 17.63 for oxy/acet. - for 60" compartment only		
15	1	14013x	Oxy-Acet bottle holder ASM - 2 Bottle Holder		
16			**CS2V**		
17	3	72865x	Shelf with (3) dividers 21"W x 19.00"D		
18			**CS HORIZONTAL**		
19	1	72894x	Shelf with (3) dividers 52.44"W x 19.00"D		
20			**CSVR**		
21			**REAR OF BODY & BUMPER**		
22	1	63473x	Grab handle - mounts to rear side pack and workbench bumper - Easily accessible from ground		
23	1	21401x	Tailgate Assembly for TMAX body- 52" wide x 12" high- painted standard black installed.		
24	1	59719x	Vise mounting plate - Receiver workbench mount		
25	1	43039x	Stabilizer, hydraulic out/hydraulic down for installation in bumper, painted black		
26	1	18743x	Backup alarm, flush mount		
27			**MISC BODY**		
28	1	85464x	Rock guard kit - Adhesive Black. Installed		
29	1	78167x	Mud Flap Kit 24X24 Curry Supply Logo		
30	1	15839x	22 gallon air tank with fittings, hose kit, mounting brackets, for Ford/IH TS and TMAX2 chassis, painted black		
31			**LIGHTING AND ELECTRICAL**		
32	1	84928x	LED Floodlight Kit - 4 lights - (1 on boom support, 1 SS behind compressor, 1 on each rear taillight box). Installed.		
33	1	75739X	LED Compartment Light Kit - TMAX 1-9, TMAX 1-11, TMAX 2-11 - Installed		
34			**CHASSIS MOUNTED**		
35	1	5305x	ICC saftey kit consisting of rechargable 2.5lb fire extinguisher and reflector kit		
36			**PAINT & FINISH**		
37	1	25516x	SAFETY WALK KIT T2 INST		
38	1	9447	Paint body white (std. color)		
39	1	85439	Undercoating for 11' Body - price included in body price		

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Your quote was prepared by:	*M Richardson*

Line	Qty	Part No	Description	Unit Price	Ext. Price
40	1	36315	Spray on bed liner for workbench - Black		
41	1	36317	Spray on bed liner for load bed walls and floor - Black		
42	1	86074x	TMAX2 decal kit - Curry Supply Only. Installed.		
43	1	70800S	Stellar® 12630 Telescopic Crane - 77,800 ft/lb rated, 12,000 lb. maximum capacity - 30' full hydraulic reach - CDTplus"! equipped proportional radio remote control." 28780 20146 25182.5 Stellar 70800X "Stellar® 12630 Telescopic Crane - 77,800 ft/lb rated, 12,000 lb. maximum capacity - 30' full hydraulic reach - CDTplus"! equipped proportional radio remote control.		
44	1	86980X	Adjustable Boom Support - TMAX Aluminum Body ONLY - Roller Rest, painted black.		
45	1	83987	Decal - Curry Supply Logo for Heavy Duty Mech Crane		
46	1	37981x	Program speed control for Cummins engine		
47	1	85450x	E-Link 2.0 Basic - Cab Mounted / Rear Mounted Manual Switches (Includes body harness and PDM). Installed.		
48	1	15685	PTO, hot shift for automatic transmission for chassis larger than F550		
49	1	70711	Hydraulic reservoir, 35 gallon, bulkhead mounted, for Stellar body, painted black .		
50	1	9022	Hydraulic pump, single section for crane only		
51	1	A30	Enpak A30		
52	1	c0417x	Leaf springs, installed on crane side of chassis		
53			**ADDED ITEMS**		
54	1	SX-4-12FS	12V Extenda-Base Light -MOUNTED FRONT DRIVERS SIDE		
55	1	Strobe Package	Strobe Light Package: 2 Grille ,2 mid Body, & 2 Rear Body		
56	1	P45AC4K	Pintle Hook Kit		
57	1	CS-TRL-AIR	Rear air system for trailer hook-up, 7 way trailer plug, & safety d-rings		
58	1	REEL-FLR	***chassis must be supplied with air & electric to rear*** 1/2" x 50' Air reel with 50' of hose FLR System		
60	1	MT-INST-S	Standard body install, Install by Curry Supply		
61			**SubTotal**		$97,548.17

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Your quote was prepared by: **M Richardson**

Line	Qty	Part No	Description	Unit Price	Ext. Price

Customer Sign Off	
Date	
P.O. Number	

SubTotal	$98,548.17
Tax	$0.00
Shipping	$0.00
Total	**$98,548.17**

TERMS OF SALE: Unless otherwise noted standard terms are a 20% down with balance due upon pick up or prior to delivery. Unless shown above freight/delivery charges are NOT included in final price.

Deposit Required

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Your quote was prepared by:	**M Richardson**

MHC Kenworth - Dallas (T180)
4040 Irving Blvd.
Dallas, Texas 75247

City of Galveston
823 Rosenberg
Galveston, Texas 77550
United States of America

Earl Tucker
Phone:
Email: Earl.Tucker@mhc.com

Dan Hudson
Phone: 409-539-2381
Email: hhudson@galvestontx.gov

Vehicle Summary

Unit

Model:	T370 SERIES CONVENTIONAL
Type:	FULL TRUCK
Description 1:	T370
Description 2:	11' Crane body

Application

Intended Serv.:	Local pickup & delivery: Vehicles which
Commodity:	Other building materials.

Body

Type:	Service body.
Length (ft):	11
Height (ft):	12
Max Laden Weight (lbs):	4000

Trailer

No. of Trailer Axles:	0
Type:	
Length (ft):	0
Height (ft):	0
Kingpin Inset (in):	0
Corner Radius (in):	0

Restrictions

Length (ft):	120
Width (in):	102
Height (ft):	13.5

Chassis

Fr Axle Load (lbs):	12000
Rr Axle Load (lbs):	21000
G.C.W. (lbs):	33001
Road Conditions:	
Class A (Highway)	89
Class B (Hwy/Mtn)	10
Class C (Off-Hwy)	1
Class D (Off-Road)	0
Maximum Grade:	6
Wheelbase (in):	152
Overhang (in):	68
Fr Axle to BOC (in):	68
Cab to Axle (in):	84
Cab to EOF (in):	152
Overall Comb. Length (in):	260.9

Special Req.

U.S. Domestic registry, 50-state.

Approved by: _____ **Date:** _____

Note: All sales are F.O.B. designated plant of manufacture.

Std/ Opt	Description	Weight
Model		
O	**T370 SERIES CONVENTIONAL** Electric Door locks LH/RH; Ignition & doors keyed alike; Single electric horn; Single-piece windshield; Electric windshield wipers, 2-speed plus intermittent; Electric windshield washers; Steering wheel 18in. 4-spoke; Glovebox door with locking latch; Dash-mounted cruise control with switches;Turn signal switch with column-mounted dimmer; Standard dash panels include gray w/ burl wood accents; Slate Gray interior primary color; Dark Slate Gray seat color; Floormat; Inside sunvisor, LH/RH; Door courtesy lights; Under-dash center console with 1 cup holder, 1 ashtray & 1 lighter.	**9,509**
S	**T370 Class 7: Medium-Duty Conventional.**	**0**
O	**CARB Idle Emissions Reduction Feature for PX-7** and PX-9	**0**
O	**Medium-duty 4x2 automatic.**	**0**
Engine & Equipment		
O	**PACCAR PX-9 300 2017 300@2000 285@2200 860@1300** Includes turbo exhaust brake, no code is used. Diagnostic Plug for data link, Oil Cooler, Aluminum Flywheel Housing. N09260 P14 68....Max Vehicle Speed in Top Gea N09440 P11 YES...Engine Protection Shtdwn N09460 P06 NO....Gear Down Protection N09300 P19 68....Max Cruise Control Speed N09720 P230 YES...Enable Hot Ambient Automatic N09500 P02 NO....Cruise Control Auto Resume N09520 P04 NO....Auto Engine Brake in Cruise N09480 P26 1400..Max PTO Speed N09580 P32 5.....Idle Shtdwn Time N09680 P33 NO....Idle Shtdwn Override N09560 P520 YES...Enable Idle Shutdown Park Br N09600 P233 YES...Enable Impending Shutdown Wa N09780 P47 80....High Ambient Temperature Thr N09740 P46 40....Low Ambient Temperature Thre N09200 N205 120...Standard Maximum Speed Limit N09620 P234 60....Timer For Impending Shutdown N09360 N203 252...Reserve Speed Function Reset N09640 P516 35....Engine Load Threshold N09400 N206 10....Maximum Active Distance (N20 N09420 N201 0.....Reserve Speed Limit Offset (N09760 P56 60....Intermediate Ambient Tempera N09380 N202 0.....Maximum Cycle Distance (N202 N09220 N207 0.....Expiration Distance (N207) N09540 N209 0.....Expiration Distance (N209)	**564**
S	**PremierSpec**	**0**
O	**Effective VSL Setting NA**	**0**

Std/ Opt	Description	Weight
O	**Engine Idle Shutdown Timer Disabled**	**0**
O	**Enable EIST Ambient Temp Overrule**	**0**
O	**Eff EIST NA Expiration Miles** Use only with MX and Cummins engines	**0**
S	**Air compressor: Cummins 18.7 CFM For Cummins And** PACCAR PX engines.	**0**
S	**Air Cleaner: Dry-type firewall mounted w/filter** restriction indicator.	**0**
O	**Filter minder air restriction indicator mounted** on air cleaner replacing standard pop-up indicator.	**0**
O	**Fan Hub: Horton On/Off for PX-9 or ISLG**	**0**
S	**Cooling module: 1000 square inches** T170/T270/T370/T470. Includes metal surge tank on T170/T270/T370.	**0**
O	**Bug screen: Front of grille on C500 ,T800, T880,** and W900. Behind grille on T660, T680, and T300 (Medium Duty).	**2**
O	**Exhaust: 2017 EPA RH Under Cab DPF/SCR For** PX-9 w/ Single Horizontal Tailpipe.	**170**
O	**Fuel Filter:Fleetguard FS1003** Fuel/Water Separator for PX-9	**0**
O	**Run Aid:None** *For Fuel Filter	**0**
S	**Start Aid:None** *For Fuel Filter	**0**
O	**Block heater, PACCAR 750 watt 120V for PX-6** and PX-7, 1000 watt for PX-8 and PX-9 or ISL9 engines .	**2**
O	**Alternator: 160 amp brush type T3**	**0**
O	**Batteries: 2 PACCAR GP31 threaded post (1000)** 2000 CCA starting.	**4**
S	**Starter: PACCAR 12 volt electrical system. W/** centralized power distribution incorporating plug-in style relays. Circuit protection for serviceability, 12-volt light system w/circuit protection circuits number & color coded.	**0**
O	**Multi-function engine connector for body builder** interface for Cummins.	**0**

Transmission & Clutch

O	**Transmission: Allison 3000RDS 5-speed** w/PTO drive gear. 5th Gen Controls. Includes heat exchanger & oil level sensor. Rugged Duty Series for vocational applications. Transynd transmission fluid is standard on all Allison 1000, 2000, 3000 & 4000 series transmissions. Requires a push button shift control code. Oil temperature gauge is standard on class 8 models.	**291**
O	**Driveline: 2 Dana standard-duty; 1 centerbearing.** *Standard duty is 1710 series.	**77**
O	**Torque converter included w/Allison**	**0**

Std/ Opt	Description	Weight
	Transmission.	
O	**Delete Allison Fuel Sense**	**0**
O	**J1939 Park Brake Auto Neutral**	**0**
O	**Rear transmission support springs for** transmission PTO applications are required to ensure that engine flywheel housings are not overloaded when transmission PTO's are installed.	**0**
Front Axle & Equipment		
S	**Meritor MFS12E PLUS 12.5K rated at 12K 3.5in.** drop standard track.	**0**
S	**Front brakes included w/ front hub package.**	**0**
S	**Drum Brake Knuckle for use on Meritor MFS PLUS** Steer Axle	**0**
S	**Air Brake: 14,600 lb. package includes** Bendix 16-1/2 x5 brakes, cast drums, aluminum 10-bolt hub pilot Preset hubs, hubcaps, oil seals & automatic slack adjusters. For use w/ 22-1/2in. wheels.	**0**
S	**Front Springs: Taperleaf 12K w/ shock absorber** for use on 2010+ chassis w/ 22.5in. wheels only.	**0**
S	**Single power steering gear: 13.2K for air brakes.**	**0**
O	**Front frame raised 0.8 inches.** for ground clearance with 22.5 in. tires	**0**
Rear Axle & Equipment		
O	**Single Meritor MS21-14x4 rear axle rated at 21K.**	**15**
O	**Rear Axle Ratio - 5.57.**	**0**
S	**Single rear brakes included w/rear hub package.**	**0**
S	**23K air brake package includes 16-1/2x7 in.** brakes, cast drums, aluminum 10-bolt hub pilot Preset hubs, automatic slack adjusters and oil seals for use w/ 22.5 in. wheels.	**0**
S	**Spring Brake: 3030 high output single.**	**0**
S	**Bendix 4S/4M anti-lock brake system.**	**0**
O	**Rear suspension: single Reyco 79KB taperleaf 21K.** Medium-duty. Unladen Height: 9 in. Laden Height: 7.5 in. Not rear air disc brake compatible.	**0**
Tires & Wheels		
O	**Front Tires: Goodyear Endurance RSA 11R22.5 16PR**	**7**

Std/ Opt	Description	Weight
O	**Rear tires: Goodyear G182 RSD 11R22.5 16PR.** 42.1 in. diameter, all position. 19.6 in. SLR. Code is priced per pair of tires.	**64**
O	**Rear Tire Quantity: 4**	**0**
O	**Front Wheel: Accuride 50344 22.5x8.25 steel** Steel Armor[TM] powder coat, hub-pilot mount.heavy-duty 5 hand-hole hub pilot mount.	**20**
O	**Rear Wheel: Accuride 50344 22.5x8.25 steel** Steel Armor[TM] powder coat, hub-pilot mount. Heavy-duty 5 hand-hole hub pilot mount. Code is priced per pair of wheels.	**40**
O	**Powder coat white steel wheel. Use in conjunction** with front, dual front, rear, spare or lift axle wheel code(s). All wheels on chassis must have same finish color.	**0**
O	**Rear Wheel/Rim Quantity: 4**	**0**
Frame & Equipment		
S	**Frame Rails: 10-5/8 x 3-1/2 x 5/16 in. Steel to** 308 in. Truck frame weight is 2.91 lb.-in. per pair of rails. Section modulus is 14.80 cu.in., RBM is 1,776,000 in-lbs per rail. 120,000 PSI yield. Heat treated. Frame rail availability may be restricted based upon application, axle/suspension capacity, fifth wheel setting, or component/dimensional specifications. The results of the engineering review may result in a change to the requested frame rail. If a change is required Kenworth Application Engineering will advise the dealer of the appropriate material specification for a substitute rail.	**0**
S	**Bumper: Aerodynamic, Painted. Requires a** bumper setting code.	**0**
S	**40.9 in. Bumper setting. Requires a bumper code.**	**0**
O	**Removable Front Tow Hooks: 2.**	**15**
S	**Front mudflaps.**	**0**
O	**Battery box: Temporary across the rails. Includes** maximum cable length available.	**-99**
O	**Battery box location: BOC across the rails.**	**0**
O	**T270/370 Non-polished 2010 or later DPF/SCR cover** with cab access step assembly, RH under. End plates will be painted standard black frame color.	**0**
O	**Bolted Rear Cab Support Crossmember.** Replaces T3 standard.	**17**
O	**Final end-of-frame cut-off dimension will be** modified to less than or equal to 65 inches.	**0**
S	**Square end-of-frame w/o crossmember; non-towing.**	**0**
Fuel Tanks & Equip		
O	**Fuel Tank: 56 US gallon 24.5in. aluminum under**	**-45**

Std/ Opt	Description	Weight
	replace.	
O	**Small round DEF tank. 11 gallons of** usable volume. The DEF tank will be located on the side you specified. If you have specific configuration or body builder concerns, please utilize the Custom Frame Layout option. Standard capacity is calculated by fuel capacity of the vehicle and will accommodate two diesel fill-ups for every DEF fill-up. For 1:1 DEF fuel fill ratio, add 7889204.	0
S	**Standard DEF to fuel fill ratio: 2:1 or greater.**	0
S	**DEF tank location is on the LH.**	0
O	**Location: 56 gal fuel tank LH under cab**	0
Cab & Equipment		
S	**Cab: Curved Glass Conventional.** Cab Includes aluminum & fiberglass fully hucked cab w/ all aluminum bulkhead doors & continuous stainless steel piano-style door hinges. Single electric horn standard. Incandescent exterior lights include diagnosable bulb detection and warning. Trailer cable on tractors includes integrity detection. Standard features include multiplex wiring for interior lights, automated pre-trip inspection (excluding T3 series), short and open check diagnostics. Warning alarm will sound when lights are left on.	0
O	**Cab door bearing blocks, top & bottom.**	0
S	**Hood: Sloped aerodynamic hood includes** grill & separate bumper.	0
S	**Cab heater: W/integral defrosters & A/C 45,000** btu cab heater. No sleeper heater/AC. Includes 5 mode rotary control. T660 include filter media.	0
S	**Adjustable telescoping tilt steering column.**	10
O	**5 sets of keys. Replaces standard 2 sets of keys.**	0
O	**Information for customer-installed PTO Chelsea** 880. 8-bolt. N/A w/ Allison 1000/2000 series transmissions.	0
O	**Switch & Wiring for Customer-Installed PTO.** Electric over hydraulic PTO. Includes switch guard. Wiring is routed to LH frame for connection to the customer installed PTO. No air controls are provided with this code.	0
O	**Two spare switches: Wired to power.**	0
O	**Gauge: Fuel filter restriction gauge.**	0
O	**KW Driver Information Center: Includes fuel** economy, RPM display, trip information, truck information, diagnostics, gear display, alarm clock.	0
S	**Instrument package: Includes speedometer,** tachometer, fuel gauge, engine coolant temperature gauge, engine oil pressure, voltmeter. Class 8 also includes primary & secondary air	0

Std/ Opt	Description	Weight
	reservoir gauges & an air application gauge. DEF level gauge and warning lamp are included with 2010+ engines. Engine hour meter and outside air temperature readouts are standard. Primary read out will be MPH. Add 8240620 to switch primary scale to KPH in Canada.	
S	**Cab interior: Pinnacle. Includes vinyl headliner** & cab back panel, slate gray interior, dark slate gray seats, floormats, LH/RH inside sunvisor & door courtesy lights.	**0**
O	**Driver seat: Kenworth Air cushion Plus HB vinyl.** Standard features includes 7 in. fore and aft slide adjustment w/isolator, 6-23 degree recline, air suspension with cover, dual armrests, and single chamber air lumbar support. Seat cushion is 20 inches wide w/ 2-position tilt and 2-position front cushion extension. Seat material has a horizontal stitch pattern and is 2-tone in color. Seat back is carpeted and includes a map pocket. Seat is manufactured by National. Includes inside visor and retractable 3-point matching seat belts. Grey seat belts.	**2**
O	**Rider seat: 2 man bench vinyl.** Standard features include 34.5 in. wide 2-tone seat cushion w/ fixed base. Armrests are not available. Seat back is carpeted. Includes inside visor and retractable 3-point matching seat belts. Grey seat belts.	**61**
O	**Kenworth Radio with AM/FM/WB/USB and Bluetooth**	**4**
O	**Under-dash center console: W/2 cup holders, 1** ashtray, 1 lighter, 1 12V outlet & a storage compartment.	**0**
S	**Self cancelling turn signal: W/head light dimmer** switch .	**0**
S	**Cab access contoured grabhandles, LH/RH.**	**0**
S	**Daylite Door: LH/RH includes RH peeper window**	**0**
O	**Single air horn under cab.**	**3**
S	**Dual convex mirrors 7-1/2 in. w/ offset mounting,** and non-heated.	**0**
S	**Look-Down, Pass. Door, Stainless 8.5x4.4**	**0**
O	**Mirror: Dual Fender Mounted, Round Convex**	**8**
O	**Mirror: Dual Prutsman mirror 7 in. x 16 in.** polished stainless steel, thermostatically controlled. switch located on door pad.	**0**
S	**Mirror brackets 8-1/2 ft load width.**	**0**
S	**Rear Cab Stationary Window 17 in. x 36 in.**	**0**
S	**Manual LH & electric-powered RH door window.** Switch located on door.	**0**
Lights & Instruments		
S	**Headlamps: Halogen Projector Low Beam, Halogen** Complex Reflector High Beam	**0**

Std/ Opt	Description	Weight
O	**Marker Lights: Five, rectangular, LED**	**0**
S	**Turn Signal Lights: Mounted on fender**	**0**
O	**Turn Signal Flasher: Kysor solid state.**	**0**
O	**Switch & Wiring for Customer-Installed Floodlight** W/O Electrical Pass-Through - 1st Set. Wire Coiled BOC/BOS.	**0**
S	**Combination Stop, Tail, Turn & Backup Lights RH** & LH.	**0**
O	**Switch & Wiring: Customer-installed dual beacon** lights w/o insulators. Coiled wire behind dash.	**1**
O	**Electric Backup Alarm: Meets SAE J994 & OSHA** requirements.	**4**
O	**Wiring:Cust. Install Trlr Elec. Brake Controller.** Class 8/T4 Content Includes Dash Signals: Ignition Power (20A), Ground, Stop Lamp and Electric Trailer Brake Controller Wired To EOF Junction Box. These Signals Are Located Near The NavPlus HD Area. No Need To Code For An Additional End of Frame Junction Box. EOF Junction Box Signals Are: Ground, Tail Lamp, Marker Lamp, Left Turn, Right Turn, Stop Lamp and Electric Trailer Brake Controller Wired To Dash. Medium Duty (not T4) Content Includes A MP 280 Series Connector In Dash Near Driver Door Connections With Signals: Battery Power (40A), Ground, Stop Lamp and Electric Trailer Brake Controller Wired To Chassis Connector. Medium Duty (not T4) 2 Way Deutsch Chassis Connector Located Near Back of Cab, With Signals: Ground and Electric Trailer Brake Controller Wired To Dash Connector.	**1**
O	**Body Builder Lighting Harness Coiled End Of Frame** For Additional Customer Installed Exterior Lighting. Harness Includes Circuits for Additional Customer Installed Tail Lamps, Turn Lamps, Stop Lamps, and Marker Lamps.	**0**
O	**Circuit Breakers: Replacing fuses. Does not** apply to any 5-amp fuse box position. Brakers include stop/brake/turn, tail lamp, high & low beams, marker/clearance lamps, horn, fuel heat, gauges, air dryer, HVAC controls, panel lamps. Some circuits will remain fuses.	**0**
Air Equipment		
S	**Air Dryer Bendix AD-IS heated Puraguard**	**0**
O	**Full truck kit: Gladhands mounted at end-of-** frame. Seven-way female receptacle mounted at end-of-frame in taillamp bracket. Kit includes dash mounted trailer air supply valve, trailer hand control valve, and hoses/fittings for the valves. Dash mounted parking brake valve, tractor protection valve, and spring brake inversion/relay valves are standard.	**15**
O	**Locate air dryer inside RH rail BOC**	**0**
O	**Trailer ABS electric supply through SAE J560** 7-pin connector per TMC RP137).	**0**

Std/ Opt	Description	Weight
Extended Warranty		
O	**Base Warranty - PACCAR PX-9 Engine** 24 months / 250,000 miles / 402,336 km / 6250 hours.	**0**
S	**Base Warranty - Standard Service Medium Duty** 12 months / Unlimited miles & km	**0**
Miscellaneous		
O	**Local PDI then Ship to Dealer.** T180 4040 Irving Blvd. Dallas 75247	**0**
O	**GHG Secondary Manufacturer: Does Not Apply**	**0**
O	**Additional lead time required for off highway &** /or specialty component truck.	**0**
O	**Warning triangle reflector kit: Shipped loose.** Kit consists of 3 triangles in plastic carrying case. Not floor mounted.	**4**
O	**One 5 lb. dry chemical type fire extinguisher** mounted outboard of driver seat. Class ABC.	**11**
Promotions		
Paint		
O	**Paint color number(s).** N9702 A - L0006 WHITE N9770 BUMPER L0006 WHITE N9720 FRAME N0001 BLACK	**0**
S	**Bumper Painted Color A**	**0**
O	**Day Cab Standard Paint**	**0**
S	**1 - Color Paint - Day Cab** Color will be White if no other color is specified.	**0**
S	**Base coat/clear coat.** The Kenworth Color Selector contains additional instructions, as well as information on Kenworth paint guidelines and surface finish applications. Kenworth is standard with Dupont Imron Elite paint.	**0**

Order Comments

Total Weight	10,836

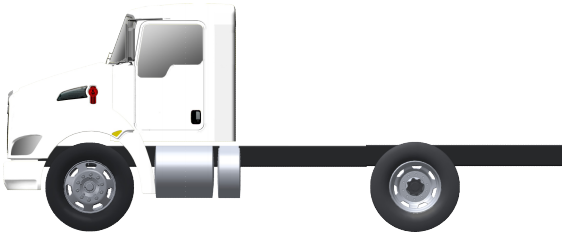
Prices and Specifications Subject to Change Without Notice.

Unpublished options may require review/approval.
Dimensional and performance data for unpublished options may vary from that displayed in CRM.

PRICING DISCLAIMER

While we make every effort to maintain the web site to preserve pricing accuracy, prices are subject to change without notice. Although the information in this price list is presented in good faith and believed to be correct at the time of printing, we make no representations or warranties as to the completeness or accuracy of this information. We reserve the right to change, delete or otherwise modify the pricing information which is represented herein without any prior notice. We carefully check pricing specifications, but occasionally errors can occur, therefor we reserve the right to change such prices without notice. We disclaim all liability for any errors or omissions in the materials. In no event will we be responsible for any damages of any nature whatsoever from the reliance upon information from these materials. Please check your order prebills to confirm your pricing information

FRAME RAKE

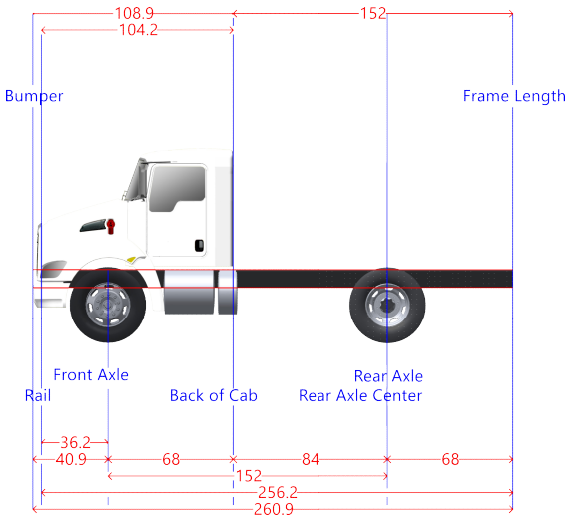


The listed heights should be considered approximations due to variations which may occur in component manufacturing processes, spring set, and the way in which the vehicle is loaded.

Component	Sales Code	Description	Laden	Unladen
Frame	6054250	Frame Rails: 10-5/8 x 3-1/2 x 5/16 in. Steel to	10.6	10.6
Front Spring	2863015	Front Springs: Taperleaf 12K w/ shock absorber	7.8	9.2
Front Axle Drop 3.5"	2512044	Meritor MFS12E PLUS 12.5K rated at 12K 3.5in.	0.0	0.0
Height Adj.	2900022	Front frame raised 0.8 inches.	0.8	0.8
Front Tires	4030024	Front Tires: Goodyear Endurance RSA 11R22.5 16PR	19.6	20.1
		Front Frame Height	**38.8**	**40.7**
Frame	6054250	Frame Rails: 10-5/8 x 3-1/2 x 5/16 in. Steel to	10.6	10.6
Suspension	3636421	Rear suspension: single Reyco 79KB taperleaf 21K.	7.5	9.0
Rear Tires	4238682	Rear tires: Goodyear G182 RSD 11R22.5 16PR.	19.6	20.8
		Rear Frame Height	**37.7**	**40.4**
		Frame Rake	**-1.1**	**-0.3**
		Frame Rake Slope (%)	**-0.7**	**-0.2**

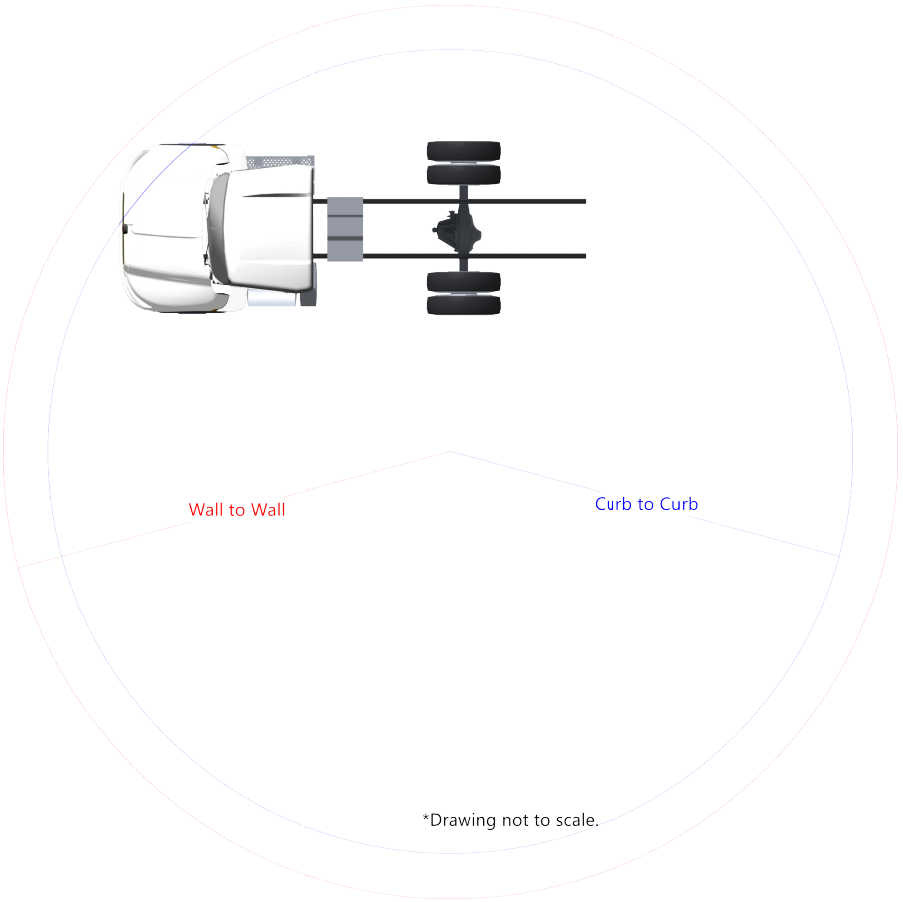
These characteristics are considered to be out of standard range: Laden rake more than 1% of wheelbase from level (positive or negative).

HORIZONTAL DIMENSIONS



Dimension	Measurement	Start	End
Axle Spacing	0	152	152
Bumper to Back of Cab	108.9	-40.9	68
Bumper to Front Axle	40.9	-40.9	0
Bumper to Front Frame	4.7	-40.9	-36.2
Cab to End of Frame	152	68	220
Cab to Rear Axle	84	68	152
Effective Bumper to Back Of Cab	108.9	-40.9	68
Frame Length	256.2	-36.2	220
Front Axle to Back of Cab	68	0	68
Front of Frame to Axle	36.2	-36.2	0
Load Space	152	68	220
Overall Length	260.9	-40.9	220
Overhang	68	152	220
Pusher Offset #1	0	152	152
Pusher Offset #2	0	152	152
Pusher Offset #3	0	152	152
Tag Offset	0	152	152
Wheelbase	152	0	152

TURNING RADIUS



*Drawing not to scale.

LEFT TURN RADIUS		RIGHT TURN RADIUS	
Curb to Curb	23.3	**Curb to Curb**	27.1
Wall to Wall	25.1	**Wall to Wall**	28.7

VEHICLE SUMMARY			
Truck	T370 SERIES CONVENTIONAL / FULL TRUCK	**Wheelbase**	152
Axle	Meritor MFS12E PLUS 12.5K rated at 12K 3.5in.	**Weight**	10,836
Tire	Front Tires: Goodyear Endurance RSA 11R22.5 16PR		
Wheel	Front Wheel: Accuride 50344 22.5x8.25 steel		

VEHICLE WEIGHT RATING

FRONT AXLE COMPONENTS

Component	Sales Code	Description	Ratings
Axle	2512044	Meritor MFS12E PLUS 12.5K rated at 12K 3.5in.	12,000
Springs	2863015	Front Springs: Taperleaf 12K w/ shock absorber	12,000
Power Steering	2895223	Single power steering gear: 13.2K for air brakes.	13,200
Hubs, Drums	2701000	Air Brake: 14,600 lb. package includes	14,600
Brakes	2603006	Front brakes included w/ front hub package.	20,000
Tires	4030024	Front Tires: Goodyear Endurance RSA 11R22.5 16PR	13,220
Wheels	5042285	Front Wheel: Accuride 50344 22.5x8.25 steel	16,000

Requested Front (Lbs): 12,000
Minimum: 6,000
Maximum: 12,000

The front axle weight rating cannot exceed 12000

REAR AXLE COMPONENTS

Component	Sales Code	Description	Ratings
Axle	3032200	Single Meritor MS21-14x4 rear axle rated at 21K.	21,000
Hubs, Drums	3401001	23K air brake package includes 16-1/2x7 in.	23,000
Service Brakes	3300000	Single rear brakes included w/rear hub package.	30,000
Spring Brakes	3485009	Spring Brake: 3030 high output single.	26,000
Suspension	3636421	Rear suspension: single Reyco 79KB taperleaf 21K.	21,000
Tires	4238682	Rear tires: Goodyear G182 RSD 11R22.5 16PR.	24,020
Wheels	5242285	Rear Wheel: Accuride 50344 22.5x8.25 steel	32,000

Requested Rear (Lbs): 21,000
Minimum: 10,000
Maximum: 21,000

The rear axle weight rating cannot exceed 21000

GROSS COMBINATION WEIGHT RATING

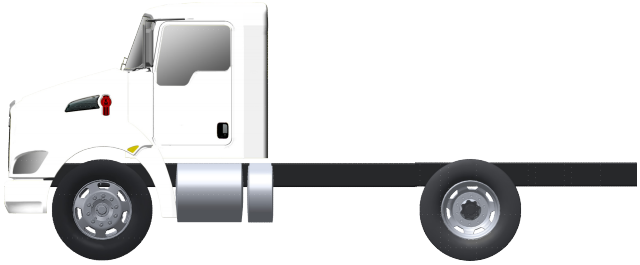
GCWR (lbs)	33,001
Min	33,001
Max	200,000

The Gross Combination Weight Rating rating cannot exceed 200000

Weight Distribution

Model: T370

Actual performance of a specific unit can be affected by your operating conditions. The performance calculations should only be used as a guideline.



Recommended payload center of gravity to achieve specified ground loads; measured from centerline of drive axles: 30 in. from the centerline of the drive axle(s).

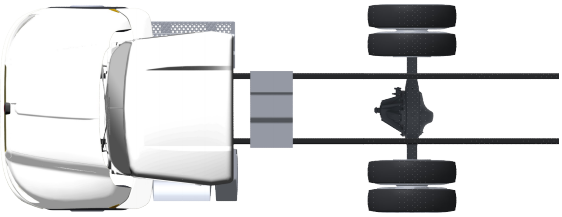
Weight (lbs)	Front	Rear	Total
Chassis	7265	3571	10836
Tools/Driver	252	123	375
Fuel & DEF	350	164	515
Max Payload	4133	17141	21274
Auxiliary Payload	0	0	0
Total	12000	21000	33000
Specify Ground Load	12000	21000	

Auxiliary Payload

Item	Location from FA CL	Weight	Point Description
Load Point #1	0	0	
Load Point #2	0	0	
Load Point #3	0	0	
Component(s)	-	0	Composite Totals

Fifth wheel slide length is **0** inches
Selected rearmost setting is **0** inches
Wheelbase measurement: **152** inches
Overhang measurement: **68** inches

FRAME LAYOUT



Note: Optional content may be displayed. The order has not yet received an engineering review. The actual arrangement of components may not be exactly as pictured. Additional changes may be made to the layout by Kenworth. Add a Custom Frame Layout code if an exact layout is required.

Selected Options (Wheelbase: 152)

Sales Code	Description	Length	Side
7722011	Small round DEF tank. 11 gallons of	10.9	Left
6400633	Battery box: Temporary across the rails. Includes	20	Center
7210056	Fuel Tank: 56 US gallon 24.5in. aluminum under	28	Left

Cruise Report (Engine Fan Off)

Configuration:	T370 SERIES CONVENTIONAL / FULL TRUCK GCW: 33001
Quote/DTPO/CO:	QUO-450061-W2H5M9
Engine:	0129502 PACCAR PX-9 300 2017 300@2000 285@2200 860@1300
Transmission:	2011203 Transmission: Allison 3000RDS 5-speed
Rear Axle:	3032200 Single Meritor MS21-14x4 rear axle rated at 21K.
Rear Tire:	4238682 Rear tires: Goodyear G182 RSD 11R22.5 16PR. | Revs/Mile: 496
Operating Conditions:	0% Rolling Resistance

Startability

Transmission Ratio	Maximum Starting Grade
3.49	31.77
1.86	16.93

Engine RPM:	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200
Gross Torque:	850	860	859	859	859	850	840	814	788	735	681
Net Torque:	768	779	780	781	782	775	766	743	719	671	621
Net HP:	176	193	208	223	238	251	263	269	274	268	260

Gear Ratios: TRN (1): 3.49 RAX (1): 5.57											
Speed (MPH):	7.5	8.1	8.7	9.3	10.0	10.6	11.2	11.8	12.4	13.1	13.7
Grade (%):	26.9	27.3	27.3	27.4	27.4	27.1	26.8	25.9	25.0	23.1	21.3
Gear Ratios: TRN (2): 1.86 RAX (1): 5.57											
Speed (MPH):	14.0	15.2	16.3	17.5	18.7	19.8	21.0	22.2	23.4	24.5	25.7
Grade (%):	13.5	13.7	13.7	13.7	13.7	13.6	13.4	12.9	12.4	11.5	10.5
Gear Ratios: TRN (3): 1.41 RAX (1): 5.57											
Speed (MPH):	18.5	20.0	21.6	23.1	24.6	26.2	27.7	29.3	30.8	32.3	33.9
Grade (%):	9.9	10.1	10.0	10.0	10.0	9.8	9.7	9.3	8.9	8.1	7.4
Gear Ratios: TRN (4): 1 RAX (1): 5.57											
Speed (MPH):	26.1	28.2	30.4	32.6	34.7	36.9	39.1	41.3	43.4	45.6	47.8
Grade (%):	6.6	6.6	6.5	6.5	6.4	6.2	6.1	5.7	5.4	4.8	4.2
Gear Ratios: TRN (5): 0.75 RAX (1): 5.57											
Speed (MPH):	34.7	37.6	40.5	43.4	46.3	49.2	52.1	55.0	57.9	60.8	63.7
Grade (%):	4.3	4.3	4.2	4.1	3.9	3.7	3.5	3.1	2.7	2.2	1.6

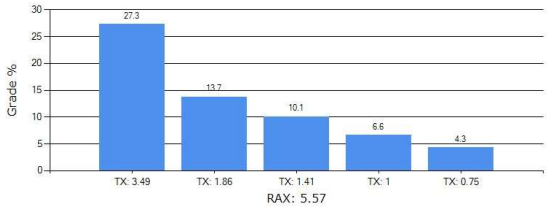
Engine RPM:	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200
Gross Torque:	850	860	859	859	859	850	840	814	788	735	681
Net Torque:	768	779	780	781	782	775	766	743	719	671	621
Net HP:	176	193	208	223	238	251	263	269	274	268	260

Geared Speed Report (Engine Fan Off)

Configuration:	T370 SERIES CONVENTIONAL / FULL TRUCK GCW: 33001
Quote/DTPO/CO:	QUO-450061-W2H5M9
Engine:	0129502 PACCAR PX-9 300 2017 300@2000 285@2200 860@1300
Transmission:	2011203 Transmission: Allison 3000RDS 5-speed
Rear Axle:	3032200 Single Meritor MS21-14x4 rear axle rated at 21K.
Rear Tire:	4238682 Rear tires: Goodyear G182 RSD 11R22.5 16PR. | Revs/Mile: 496
Operating Conditions:	0% Rolling Resistance

Gradability Report (Engine Fan Off)

Configuration:	T370 SERIES CONVENTIONAL / FULL TRUCK GCW: 33001
Quote/DTPO/CO:	QUO-450061-W2H5M9
Engine:	0129502 PACCAR PX-9 300 2017 300@2000 285@2200 860@1300
Transmission:	2011203 Transmission: Allison 3000RDS 5-speed
Rear Axle:	3032200 Single Meritor MS21-14x4 rear axle rated at 21K.
Rear Tire:	4238682 Rear tires: Goodyear G182 RSD 11R22.5 16PR. | Revs/Mile: 496
Operating Conditions:	0% Rolling Resistance

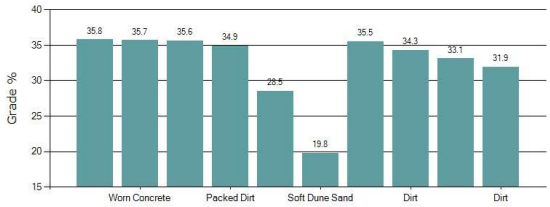


Gradability Report (Engine Fan Off)

Gear	TX-Ratio	RAX-Ratio	Peak Torque % Gradability	Peak Torque Road Speed (MPH)
1	3.49	5.57	27.32	8.09
2	1.86	5.57	13.73	15.18
3	1.41	5.57	10.06	20.02
4	1.00	5.57	6.62	28.23
5	.75	5.57	4.31	37.64

Startability Report (Engine Fan Off)

Configuration:	T370 SERIES CONVENTIONAL / FULL TRUCK GCW: 33001
Quote/DTPO/CO:	QUO-450061-W2H5M9
Engine:	0129502 PACCAR PX-9 300 2017 300@2000 285@2200 860@1300
Transmission:	2011203 Transmission: Allison 3000RDS 5-speed
Rear Axle:	3032200 Single Meritor MS21-14x4 rear axle rated at 21K.
Rear Tire:	4238682 Rear tires: Goodyear G182 RSD 11R22.5 16PR. | Revs/Mile: 496
Operating Conditions:	0% Rolling Resistance



P.O. Box 400
Austin, TX 78767-0400
800.695.2919 | 512.467.0222 | Fax: 800.211.5454
buyboard.com

October 30, 2018

Sent via Email to:earl.tucker@mhctruck.com

Earl Tucker
MHC Kenworth
4040 Irving Blvd.
Dallas TX 75247

Re: Vehicles, Heavy Duty Trucks, Police Motorcycles, Parts, and Service Labor
BuyBoard Contract #521-16

The Local Government Purchasing Cooperative d/b/a BuyBoard® (Cooperative) awarded your company a contract under Vehicles, Heavy Duty Trucks, Police Motorcycles, Parts and Service Labor, Contract No. 521-16, for which the current term is set to expire November 30, 2018. At this time, we are renewing your contract through November 30, 2019, subject to the following:

Program Vehicle Exclusion: *The Cooperative will not be renewing any contracts for the program vehicle categories listed on the attached Schedule A, and all contracts for these items will expire on November 30, 2018. Therefore, to the extent your company was awarded in any of the categories listed on Schedule A, such categories are specifically excluded from your contract renewal, and vendors will no longer be authorized to sell such program vehicles through Cooperative Contract No. 521-16 effective December 1, 2018.*

This will be the final renewal of this contract.

All discounts, terms, and conditions of your contract will remain the same. If you agree with the renewal, there is nothing you need to do. However, if you do not agree to this renewal, you must notify me immediately via email at connie.burkett@tasb.org.

Reminder: All purchase orders must be processed through the BuyBoard. Except as expressly authorized in writing by the Cooperative's administrator, you are not authorized to process a purchase order received directly from a Cooperative member. Accepting orders directly from a member entity without Cooperative authorization is a violation of the terms of your contract. We request your assistance in immediately forwarding any orders received directly from member entities. Purchase orders may be sent to us either by fax (800-211-5454) or by email (info@buyboard.com). If by chance an order sent directly to you has been unintentionally processed, please forward it to the Cooperative and note it as **RECORD ONLY** to prevent duplication.

If you have questions or comments concerning this renewal, please contact me as soon as possible at connie.burkett@tasb.org. We appreciate your interest and participation in The Local Government Purchasing Cooperative.

Sincerely,

Connie W Burkett, *CTSBS*
Contract Administrator

SCHEDULE A

Contract No. 521-16, Vehicles, Heavy Duty Trucks, Police Motorcycles, Parts and Service Labor

CONTRACT CATEGORIES EXPIRING NOVEMBER 30, 2018 – NOT SUBJECT TO RENEWAL

Item 6: Autocar Program Vehicles (Lease and/or Pre-Owned)

Item 54: Chevrolet/GMC/Buick Program Vehicles (Lease and/or Pre-Owned)

Item 92: Chrysler/Dodge/Jeep Program Vehicles (Lease and/or Pre-Owned)

Item 109: Crane Carrier Program Vehicles (Lease and/or Pre-Owned)

Item 159: Ford Program Vehicles (Lease and/or Pre-Owned)

Item 177: Freightliner Program Vehicles (Lease and/or Pre-Owned)

Item 190: Freightliner Sprinter Program Vehicles (Lease and/or Pre-Owned)

Item 208: Honda Program Vehicles (Lease and/or Pre-Owned)

Item 230: International Program Vehicles (Lease and/or Pre-Owned)

Item 243: Isuzu Program Vehicles (Lease and/or Pre-Owned)

Item 271: Kenworth Program Vehicles (Lease and/or Pre-Owned)

Item 292: Mack Program Vehicles (Lease and/or Pre-Owned)

Item 306: Mitsubishi Program Vehicles (Lease and/or Pre-Owned)

Item 335: Nissan Program Vehicles (Lease and/or Pre-Owned)

Item 360: Peterbilt Program Vehicles (Lease and/or Pre-Owned)

Item 420: Toyota/Hino Program Vehicles (Lease and/or Pre-Owned)

Item 432: Volvo Program Vehicles (Lease and/or Pre-Owned)

Item 447: Western Star Program Vehicles (Lease and/or Pre-Owned)

P.O. Box 400
Austin, TX 78767-0400
800.695.2919 | 512.467.0222 | Fax: 800.211.5454
buyboard.com

October 19, 2016

Sent Via E-mail: randy.smartt@mhctruck.com

Randy Smartt
MHC Kenworth
4040 Irving Blvd.
Dallas, TX 75247

Re: *Notice of The Local Government Purchasing Cooperative Award*
Proposal Name and Number: Vehicles, Heavy Duty Trucks, Police Motorcycles, Parts and Service Labor
Proposal No. 521-16

Congratulations, The Local Government Purchasing Cooperative (Cooperative) has awarded your company a BuyBoard® contract based on the above-referenced Proposal. The contract is effective 12/1/2016 through 11/30/2017, with two possible one-year renewals. The contract documents are those identified in Section 3 of the General Terms and Conditions of the specifications.

To view the items your company has been awarded, please review the proposal tabulation No. 521-16 on the following web-site: www.buyboard.com/vendor. Only items marked as awarded to your company can be sold through the BuyBoard contract. In addition, on this website you will find the membership list which will provide you with the names of all entities with membership in our purchasing cooperative.

Enclosed with this letter you will find the following documents:

- Vendor Quick Reference Sheet
- Electronic Catalog Format Instructions
- Vendor Billing Procedures

You are advised that receipt of a purchase order directly from a Cooperative member is not within the guidelines of the Cooperative. Accepting purchase orders directly from Cooperative members may result in a violation of the State of Texas competitive bid statute and termination of this Cooperative BuyBoard contract. **Therefore, all purchase orders must be processed through the BuyBoard in order to comply**. Please forward by fax (1-800-211-5454) any order received directly from a Cooperative member. If you inadvertently process a purchase order sent directly to you by a Cooperative member, please fax the order to the above number and note it as **RECORD ONLY** to prevent duplication.

Per proposal specifications, awarded vendors will have 30 days or sooner to submit their electronic catalog including pricing. **If the electronic data is not provided within 30 days or sooner of notice of award, we reserve the right to inactivate any company's award information from the BuyBoard until such time the electronic data is received**.

On behalf of the Texas Association of School Boards, we appreciate your interest in the Cooperative and we are looking forward to your participation in the program. If you have any questions, please contact **BuyBoard Procurement Staff** at 800-695-2919.

Sincerely,

Arturo Salinas
BuyBoard Procurement Director

v.12.15

October 19, 2016

Sent Via E-mail: randy.smartt@mhctruck.com

Randy Smartt
MHC Kenworth
4040 Irving Blvd.
Dallas, TX 75247

Re: *Notice of National Purchasing Cooperative Piggy-Back Award*
Proposal Name and Number: Vehicles, Heavy Duty Trucks, Police Motorcycles, Parts and Service Labor
Proposal No. 521-16

Congratulations, The National Purchasing Cooperative (National Cooperative) has awarded your company a BuyBoard® contract based on the above-referenced Proposal. As provided for in the Proposal and your National Purchasing Cooperative Vendor Award Agreement, you are authorized to sell the goods and services awarded under the Proposal to National Cooperative members in states other than Texas through the BuyBoard. The contract is effective 12/1/2016 through 11/30/2017, with two possible one-year renewals.

The National Cooperative membership list is available at our website www.buyboard.com/vendor. The list identifies the current members that may purchase awarded goods and services under your National Cooperative BuyBoard contract.

You are advised that receipt of a purchase order directly from a National Cooperative member is not within BuyBoard guidelines. Accepting purchase orders directly from Cooperative members may result in a violation of applicable competitive procurement law and termination of this National Cooperative BuyBoard contract. **Therefore, all purchase orders from National Cooperative members must be processed through the BuyBoard**. Please forward by fax (1-800-211-5454) any order received directly from a National Cooperative member. If you inadvertently process a purchase order sent directly to you by a National Cooperative member, please fax the order to the above number and note it as **RECORD ONLY** to prevent duplication.

Per proposal specifications, awarded vendors will have 30 days or sooner to submit their electronic catalog including pricing. **If the electronic data is not provided within 30 days or sooner of notice of award, we reserve the right to inactivate any company's award information from the BuyBoard until such time the electronic data is received**.

On behalf of the National Cooperative, we are looking forward to your participation in the program. If you have any questions, please contact BuyBoard Procurement Staff at 800-695-2919.

Sincerely,

BuyBoard Procurement Director
v.12.15

10552

BuyBoard® Cooperative Purchasing

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PROPOSER'S AGREEMENT AND SIGNATURE

Proposal Name: Vehicles, Heavy Duty Trucks, Police Motorcycles, Parts, and Service Labor

Proposal Opening Date and Time:
August 24, 2016 at 2:00 PM

Location of Proposal Opening:
Texas Association of School Boards, Inc.
BuyBoard Department
12007 Research Blvd.
Austin, TX 78759

Proposal Number: 521-16

Anticipated Cooperative Board Meeting Date:
October 2016

Contract Time Period: December 1, 2016 through November 30, 2017 with two (2) possible one-year renewals.

MHC Kenworth Name of Proposing Company	8-29-16 Date
4040 Irving Blvd. Street Address	Randy Smartt Signature of Authorized Company Official
Dallas, Texas 75247 City, State, Zip	Randy Smartt Printed Name of Authorized Company Official
214-920-7306 Telephone Number of Authorized Company Official	New Truck Sales Position or Title of Authorized Company Official
214-920-7316 Fax Number of Authorized Company Official	75-1247093 Federal ID Number

The proposing company ("you" or "your") hereby acknowledges and agrees as follows:

1. You have carefully examined and understand all Cooperative information and documentation associated with this Proposal Invitation, including the Instructions, General Terms and Conditions, Attachments/Forms, Item Specifications, and Line Items (collectively "Requirements");
2. By your response ("Proposal") to this Proposal Invitation, you propose to supply the products or services submitted at the prices quoted in your Proposal and in strict compliance with the Requirements, unless specific deviations or exceptions are noted in the Proposal;
3. Any and all deviations and exceptions to the Requirements have been noted in your Proposal and no others will be claimed;

H-N
N-4
E-4

Pricelist

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4. If the Cooperative accepts any part of your Proposal and awards you a contract, you will furnish all awarded products or services at the prices quoted and in strict compliance with the Requirements (unless specific exceptions are noted in the Proposal), including without limitation the Requirements related to:
    a. conducting business with Cooperative members, including offering pricing to members that is the best you offer compared to similar customers;
    b. payment of a service fee in the amount specified and as provided for in this Proposal Invitation;
    c. the **possible** award of a piggy-back contract by another governmental entity, in which event you will offer the awarded goods and services in accordance with the Requirements; and
    d. submitting price sheets or catalogs in the proper format for posting on the BuyBoard as a prerequisite to activation of your contract;
5. You have clearly identified any information in your Proposal that you believe to be confidential or proprietary or that you do not consider to be public information subject to public disclosure under a Texas Public Information Act request or similar public information law;
6. The individual signing this Agreement is duly authorized to enter into the contractual relationship represented by this Proposal Invitation on your behalf and bind you to the Requirements, and such individual (and any individual signing a Form) is authorized and has the requisite knowledge to provide the information and make the representations and certifications required in the Requirements;
7. You have carefully reviewed your Proposal, and certify that all information provided is true, complete and accurate, and you authorize the Cooperative to take such action as it deems appropriate to verify such information; and
8. Any misstatement, falsification, or omission in your Proposal, whenever or however discovered, may disqualify you from consideration for a contract award under this Proposal Invitation or result in termination of an award or any other remedy or action provided for in the General Terms and Conditions or by law.

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VENDOR PURCHASE ORDER, REQUEST FOR QUOTES, AND INVOICE RECEIPT OPTIONS

Company: MHC Kenworth General Contact Name: Randy Smartt

Purchase Orders: Purchase orders from Cooperative members will be available through the Internet or by facsimile.

Option 1: **Internet**. Vendors need Internet access and at least one e-mail address so that notification of new orders can be sent to the Internet contact when a new purchase order arrives. An information guide will be provided to vendors that choose this option to assist them with retrieving their orders.

Option 2: **Fax**. Vendors need a designated fax line available at all times to receive purchase orders.

Please choose only one (1) of the following options for receipt of purchase orders and provide the requested information:

☒ I will use the **INTERNET** to receive purchase orders.

E-mail Address: randy.smartt@mhctruck.com

Internet Contact: Randy Snartt Phone: 214-920-7306

Alternate E-mail Address: BJ.Tarver@mhc.com

Alternate Internet Contact: BJ Tarver Phone: 214-920-7310

☐ I will receive purchase orders via **FAX**.

Fax Number: _____

Fax Contact: _____ Phone: _____

Request for Quotes ("RFQ"): Cooperative members will send RFQs to you by e-mail. Please provide e-mail addresses for the receipt of RFQs:

E-mail Address: randy.smartt@mhctruck.com

Alternate E-mail Address: BJ.Tarver@mhc.com

Invoices: Your company will be billed monthly for the service fee due under a contract awarded under this Proposal Invitation. **All invoices are available on the BuyBoard website and e-mail notifications will be sent when they are ready to be retrieved**. Please provide the following address, contact and e-mail information for receipt of service fee invoices and related communications:

Mailing address: 4040 Irving Blvd. **Department:** _____

City: Dallas **State:** Texas **Zip Code:** 75247

Contact Name: Barbara Blanchette **Phone:** 214-920-7319

Fax: _____ **E-mail Address:** Barbara.Blanchett@mhc.com

Alternative E-mail Address: BJ.Tarver@mhc.com

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FELONY CONVICTION DISCLOSURE AND DEBARMENT CERTIFICATION

FELONY CONVICTION DISCLOSURE

Subsection (a) of Section 44.034 of the Texas Education Code (Notification of Criminal History of Contractor) states: "A person or business entity that enters into a contract with a school district must give advance notice to the district if the person or an owner or operator has been convicted of a felony. The notice must include a general description of the conduct resulting in the conviction of a felony."

Section 44.034 further states in Subsection (b): "A school district may terminate a contract with a person or business entity if the district determines that the person or business entity failed to give notice as required by Subsection (a) or misrepresented the conduct resulting in the conviction. The district must compensate the person or business entity for services performed before the termination of the contract."

Please check (√) one of the following:

☐ My company is a publicly-held corporation. (Advance notice requirement does not apply to publicly-held corporation.)
☒ My company is not owned or operated by anyone who has been convicted of a felony.
☐ My company is owned/operated by the following individual(s) who has/have been convicted o a felony:

Name of Felon(s): _____

Details of Conviction(s): _____

_____

By signature below, I certify that the above information is true, complete and accurate and that I am authorized by my company to make this certification.

MHC Kenworth
Company Name

Randy Smartt
Signature of Authorized Company Official

Randy Smartt
Printed Name

DEBARMENT CERTIFICATION

Neither my company nor an owner or principal of my company has been debarred, suspended or otherwise made ineligible for participation in Federal Assistance programs under Executive Order 12549, "Debarment and Suspension," as described in the Federal Register and Rules and Regulations.

By signature below, I certify that the above is true, complete and accurate and that I am authorized by my company to make this certification.

MHC Kenworth
Company Name

Randy Smartt
Signature of Authorized Company Official

Randy Smartt
Printed Name

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RESIDENT/NONRESIDENT CERTIFICATION

Chapter 2252, Subchapter A, of the Texas Government Code establishes certain requirements applicable to proposers who are not Texas residents. Under the statute, a "resident" proposer is a person whose principal place of business is in Texas, including a person whose ultimate parent company or majority owner has its principal place of business in Texas. A "nonresident" proposer is a person who is not a Texas resident. Please indicate the status of your company as a "resident" proposer or a "nonresident" proposer under these definitions. Please check (√) one of the following.

☐ I certify that my company is a **Resident Proposer.**

☐ I certify that my company is a **Nonresident Proposer.**

If your company is a Nonresident Proposer, you must provide the following information for your resident state (the state in which your company's principal place of business is located):

MHC Kenworth	4040 Irving Blvd.	
Company Name	Address	
Dallas	TX.	75247
City	State	Zip Code

A. Does your resident state require a proposer whose principal place of business is in Texas to under-price proposers whose resident state is the same as yours by a prescribed amount or percentage to receive a comparable contract?
☐ Yes ☒ No

B. What is the prescribed amount or percentage? $_____ or _____%

VENDOR EMPLOYMENT CERTIFICATION

Section 44.031(b) of the Texas Education Code establishes certain criteria that a school district must consider when determining to whom to award a contract. Among the criteria for certain contracts is whether the vendor or the vendor's ultimate parent or majority owner (i) has its principal place of business in Texas; or (ii) employs at least 500 people in Texas.

If neither your company nor the ultimate parent company or majority owner has its principal place of business in Texas, does your company, ultimate parent company, or majority owner employ at least 500 people in Texas? Please check (√) one of the following.

☒ Yes ☐ No

By signature below, I certify that the information in Sections 1 (*Resident/Nonresident Certification)* and 2 *(Vendor Employment Certification)* above is true, complete and accurate and that I am authorized by my company to make this certification.

MHC Kenworth
Company Name

Randy Smartt
Signature of Authorized Company Official

Randy Smartt
Printed Name

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HISTORICALLY UNDERUTILIZED BUSINESS CERTIFICATION

A proposer that has been certified as a Historically Underutilized Business (also known as a Minority/Women Business Enterprise or "MWBE" and all referred to in this form as a "HUB") is encouraged to indicate its HUB certification status when responding to this Proposal Invitation. The electronic catalogs will indicate HUB certifications for vendors that properly indicate and document their HUB certification on this form.

Please check (√) all that apply

☐ I certify that my company has been certified as a HUB in the following categories:

☐ **Minority Owned Business**

☐ **Women Owned Business**

☐ **Service-Disabled Veteran Owned Business (veteran defined by 38 U.S.C. §101(2), who has a service-connected disability as defined by U.S.C. § 101(16), and who has a disability rating of 20% or more as determined by the U. S. Department of Veterans Affairs or Department of Defense)**

Certification Number:

_____

Name of Certifying Agency:

_____

☒ My company has **NOT** been certified as a HUB.

By signature below, I certify that the above is true, complete and accurate and that I am authorized by my company to make this certification.

MHC Kenworth
Company Name

Randy Smartt
Signature of Authorized Company Official

RANDY SMARTT
Printed Name

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AFFIRMATION REGARDING CONSTRUCTION-RELATED GOODS AND SERVICES

A contract awarded under this Proposal Invitation covers only the specific goods and services awarded by the BuyBoard. As explained in the BuyBoard Construction Related Goods and Services Advisory for Texas Members ("Advisory"), **Texas law prohibits the procurement of architecture or engineering services through a purchasing cooperative. This BuyBoard contract does not include such services. Architecture or engineering services must be procured by a Cooperative member separately, in accordance with the Professional Services Procurement Act (Chapter 2254 of the Texas Government Code) and other applicable law and local policy.**

The Advisory, attached to this Form F, provides an overview of certain legal requirements that are potentially relevant to a Cooperative member's procurement of construction or construction-related goods and services, including those for projects that may involve or require architecture, engineering or independent testing services.

By signature below, the undersigned affirms that Proposer has read and understands the Advisory attached to this Form F and is authorized by Proposer to make this affirmation. If Proposer sells construction-related goods or services to a Cooperative member under a BuyBoard contract awarded under this Proposal Invitation, Proposer will comply with the Advisory and applicable legal requirements, make a good faith effort to make its Cooperative member customers or potential Cooperative member customers aware of such requirements, and provide a Cooperative member with a copy of the Advisory before executing a Member Construction Contract with the member or accepting the member's purchase order for construction-related goods or services, whichever comes first.

MHC Kenworth
Company Name

Randy Smartt
Signature of Authorized Company Official

Randy Smartt
Printed Name

8-29-16
Date

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BUYBOARD PROCUREMENT AND CONSTRUCTION-RELATED GOODS AND SERVICES ADVISORY FOR TEXAS MEMBERS

Why make purchases using BuyBoard? Purchasing through a cooperative or "interlocal contract" satisfies the requirement of local governments to seek competitive procurement for the purchase of goods or services.[i] Therefore, you may purchase goods and services from a vendor through BuyBoard without having to conduct your own competitive procurement. If, however, you are procuring construction-related services through a BuyBoard Job Order Contract (JOC) or contract for the installation of equipment or materials (e.g., athletic fields and surfaces, kitchen equipment, HVAC, playground equipment, or modular buildings), you may, as explained in this Advisory, need to procure certain aspects of these services using a separate procurement process outside of the BuyBoard and should consult your procurement officer and/or legal advisor for specific advice.

What is BuyBoard's Procurement Process? The BuyBoard uses a competitive procurement process to award contracts to vendors for goods and services that the BuyBoard determines, based on an evaluation of multiple criteria, represents the best value for its members.

How does BuyBoard award a contract to a vendor? As a condition of being awarded a BuyBoard contract, a vendor is bound by and must agree to comply with all the terms of the BuyBoard's proposal invitation (or specifications), the vendor's proposal response, and any additional contract terms negotiated with the BuyBoard member. Among other things, the vendor must honor the pricing submitted in the vendor's proposal. THE PRICE YOU PAY FOR THE GOODS AND SERVICES COVERED BY THE BUYBOARD CONTRACT MAY BE LESS THAN THE AWARDED PRICING, BUT CANNOT BE MORE. Additionally, the vendor must comply with the BuyBoard contract's general terms and conditions, and any additional terms and conditions that apply to the specific BuyBoard contract, as set out in the proposal invitation.

How does a BuyBoard member make purchases through the BuyBoard contract? You utilize the awarded BuyBoard contract by issuing a signed purchase order through the BuyBoard online application to procure the selected goods or services. Although BuyBoard must receive a copy of the signed purchase order, BuyBoard does not review or approve the purchase order or other supplemental agreement that you obtain – this is a matter between you and the vendor. If construction-related services are procured through the BuyBoard, additional contracts with professionals and the contractor may be required, depending on the nature and scope of the services. As stated above, you should consult your procurement officer and/or legal advisor for specific advice.

How do I know that my entity has made a purchase through the BuyBoard?
BuyBoard must have a copy of the purchase order in order for the purchase to be considered a BuyBoard procurement. To ensure that your entity has satisfied state law requirements for competitive procurement, make sure that the BuyBoard has your purchase order. Do not rely on the vendor to submit the purchase order on your behalf; it is your responsibility to make sure that the BuyBoard has the signed purchase order. You may log in to www.buyboard.com using your member I.D. and password to view the Purchase Order Status Report to confirm that the purchase order is in the BuyBoard system.

What should BuyBoard members consider when using BuyBoard for construction-related purchases? While purchasing goods and services through BuyBoard satisfies your legal requirement to competitively procure a good or service, as a general matter you must keep in mind other legal requirements that may relate to the purchase, especially when using BuyBoard for construction-related procurement.

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When making construction-related purchases through a BuyBoard contract, BuyBoard members must consider the following:

- **Best value determination.** In compliance with Texas law and any local policy, your entity must first determine that purchasing through an interlocal contract or purchasing cooperative is the procurement method that will provide best value.[ii] This is done by the governing body (e.g., board of trustees, council, commissioners' court, etc.) or may be delegated by the governing body to an individual or committee, with written notice.

- **Products or services not covered by the BuyBoard contract.** The BuyBoard contract covers only the specific goods and services awarded by the BuyBoard. If you want to purchase from a BuyBoard vendor goods or services from a BuyBoard vendor that are not covered by the vendor's BuyBoard contract, such as architectural, design, or engineering services, you must procure them separately in accordance with state law and local policy.

- **Architectural or Engineering and Independent Testing services.** If your procurement includes a construction component that requires architectural or engineering services, you must procure those services separately. YOU MAY NOT PROCURE ARCHITECTURAL OR ENGINEERING SERVICES THROUGH A BUYBOARD CONTRACT. Texas law requires architectural and engineering services to be obtained in accordance with the Professional Services Procurement Act (Chapter 2254 of the Texas Government Code) and prohibits them from being procured through a purchasing cooperative.[iii]

  - **Architecture.** A new building owned by a political subdivision having construction costs exceeding $100,000 or an alteration or addition to an existing building having construction costs exceeding $50,000 must have architectural plans and specifications prepared by an architect.[iv] (An "alteration" or "addition" for purposes of this requirement requires the removal, relocation, or addition of a wall or partition or the alteration or addition of an exit.)

  - **Engineering.** If the goods or services procured through the BuyBoard will involve engineering in which the public health, welfare, or safety is involved, the plans for structural, mechanical, electrical, electronic, fire suppression, geotechnical systems, foundation design, surface water drainage, plumbing and certain roof modifications and associated estimates must be prepared by an engineer, and the engineering construction must be performed under the direct supervision of an engineer.[v] The Engineering Practice Act provides two exceptions to this rule – no engineer is required if (1) the project involves mechanical or electrical engineering and will cost $8,000 or less, or (2) the project does not require mechanical or electrical engineering and will cost $20,000 or less.[vi]

  - **Independent Testing.** If acceptance of a facility by a public entity involves independent testing of construction materials engineering and/or verification testing services, the testing services should be procured under the Professional Services Procurement Act, and may not be procured under a BuyBoard contract.

  - **Written Certification.** Effective 09/01/2013, a local governmental entity purchasing construction-related goods and services through a cooperative in an amount that exceeds $50,000 must designate a person to certify in writing that the project does not require the preparation of plans or specifications by an architect or engineer OR that an architect or engineer has prepared the plans or specifications.[vii]

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- **Bonds.** You must also consider whether the vendor is required to provide a payment or performance bond. A payment bond is required for contracts that exceed $25,000 to protect subcontractors who supply labor or materials for the project. A performance bond is required for a contract that exceeds $100,000, to protect the local government if a contractor fails to complete the project. [viii] Without payment and performance bonds, if the contractor fails to pay its subcontractors or to complete the project, the public entity that entered the contract can be held responsible for payment claims or costs to complete.

- **Construction Contract.** Even though the procurement of construction or construction-related services may be through the BuyBoard, your construction contract is between your entity and the contractor. The BuyBoard contract's general terms and conditions, standing alone, are not sufficient to document your entity's specific transaction. THEREFORE, YOU SHOULD USE AN APPROPRIATE FORM OF CONSTRUCTION CONTRACT JUST AS YOU WOULD DO IF YOU PROCURED CONSTRUCTION SERVICES INDEPENDENTLY, USING COMPETITIVE SEALED PROPOSALS. The contract must contain provisions required by state law including: performance and payment bonds, requirements for payment of prevailing wages to all construction workers, workers' compensation coverage for all workers and, on projects where contractor employees may have direct contact with students, criminal history record checks. Other provisions which should be considered in the construction contract are retainage, contingency, liquidated damages and dispute resolution, among others. By supplementing the BuyBoard contract with an appropriate form of construction contract, you ensure that your entity's unique interests are addressed and that your entity can enforce the contract directly.

- **Legal advice.** Because of the variety of laws that relate to construction-related purchasing and the potential risk of high exposure, you are well-advised to consult with your entity's legal counsel before procuring construction-related goods and services under any procurement method, including a purchasing cooperative.

This Advisory is provided for educational purposes only to facilitate a general understanding of the law. This Advisory is neither an exhaustive treatment on the subject nor is it intended to substitute for the advice of an attorney.

For more information about BuyBoard, contact us at 800-695-2919.

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i. Tex. Gov't Code §791.025 and Tex. Local Gov't Code §271.102.
ii. Tex. Ed. Code §44.031(a) (school districts); Tex. Local Gov't Code §252.043(a)(municipalities) and §262.022(5-a) and §262.027(counties)
iii. Tex. Gov't Code §2254.004 and §791.011(h)
iv. Tex. Occ. Code §1051.703
v. Tex. Occ. Code §1001.0031(c)
vi. Tex. Occ. Code §1001.053
vii. Tex. Gov't Code §791.011(j), effective September 1, 2013
viii. Tex. Gov't Code §2253.021(a)

Issued March 31, 2014

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DEVIATION AND COMPLIANCE SIGNATURE FORM

If your company intends to deviate from the General Terms and Conditions, Item Specifications or other requirements associated with this Proposal Invitation, you must list all such deviations on this form, and provide complete and detailed information regarding the deviations on this form, an attachment to this form, or elsewhere in your Proposal. (If you do not provide the information on or as an attachment to this form, the information must be clearly identified in your Proposal.) The Cooperative will consider any deviations in its contract award decision, and reserves the right to accept or reject a proposal based upon any submitted deviation.

In the absence of any deviation identified and described in accordance with the above, your company must fully comply with the General Terms and Conditions, Item Specifications and all other requirements associated with this Proposal Invitation if awarded a contract under this Proposal Invitation.

☒ **No**; Deviations
☐ **Yes**; Deviations

List and fully explain any deviations you are submitting:

PLEASE PROVIDE THE FOLLOWING INFORMATION:

1. Shipping Via: ☒ Common Carrier ☐ Company Truck ☐ Prepaid and Add to Invoice ☐ Other:

2. Payment Terms: ☒ Net 30 days ☐ 1% in 10/Net 30 days ☐ Other:

3. Number of Days for Delivery: 60 ARO

4. Vendor Reference/Quote Number: Per PO

5. State your return policy:
Within 10 days

6. Are electronic payments acceptable? ☒ Yes ☐ No

7. Are credit card payments acceptable? ☐ Yes ☐ No

MHC Kenworth
Company Name

Randy Smartt
Signature of Authorized Company Official

Randy Smartt
Printed Name

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DEALERSHIP LISTINGS

If you have more than one location that will service a contract awarded under this Proposal Invitation, please list each location below. If additional sheets are required, please duplicate this form as necessary.

Company Name

Address

City | State | Zip

Phone Number | Fax Number

Contact Person

Company Name

Address

City | State | Zip

Phone Number | Fax Number

Contact Person

EXHIBIT A

CURRENT AFFILIATES AND LOCATIONS

1. Arkansas Kenworth, Inc. with current dealership locations as follows:

MHC Kenworth - Little Rock
8001 E. Port Drive
Little Rock, AR 72206

MHC Kenworth - Van Buren
1906 N. 6th Street
Van Buren, AR 72956

MHC Kenworth - Batesville
951 Batesville Boulevard
Batesville, AR 72501

MHC Carrier - Little Rock
8001 E. Port Drive
Little Rock, AR 72206

2. Colorado Kenworth, Inc. with current dealership locations as follows:

MHC Kenworth - Denver
7007 Sandown Road
Denver, CO 80216

MHC Kenworth - Grand Junction
752 23 ½ Road
Grand Junction, CO 81505

MHC Kenworth - Colorado Springs
2215 Rand Avenue
Colorado Springs, CO 80906

MHC Kenworth - Cheyenne
12104 Deike Court
Cheyenne, WY 82009

MHC Kenworth - Pueblo
4425 N. Elizabeth
Pueblo, CO 81008-2039

MHC Kenworth - Greeley
112 113th Street
Greeley, CO 80631

3. Georgia Kenworth, Inc. with current dealership locations as follows:

MHC Kenworth - Atlanta
5860 Riverview Road
Mableton, GA 30126

MHC Kenworth – Baxley
2351 Golden Isles Parkway
West Baxley, GA 31513

MHC Kenworth - McDonough
2003 Industrial Parkway
McDonough, GA 30253

MHC Kenworth – Gainesville
1830 Athens Hwy.
Gainesville, GA 30507

MHC Kenworth – Savannah
5622 Hwy 21 North
Port Wentworth, GA 31407

4. Kansas Kenworth, Inc. with current dealership locations as follows:

MHC Kenworth - Salina
2301 N. Ohio Street
Salina, KS 67401

5. Oklahoma Kenworth, Inc. with current dealership locations as follows:

MHC Kenworth - Oklahoma City
5701 SW 5th Street
Oklahoma City, OK 73128

MHC Kenworth-Ardmore
5 Interstate Court, Box 1
Ardmore, OK 73401

MHC Kenworth - Tulsa
6141 S. 49th West Avenue
Tulsa, OK 74131

6. Ozark Kenworth, Inc. with current dealership locations as follows:

MHC Kenworth - Kansas City
1524 N. Corrington
Kansas City, MO 64120

MHC Kenworth - Columbia
8660 I-70 Drive SE
Columbia, MO 65201

MHC Carrier - Kansas City
1415 N. Corrington
Kansas City, MO 64120

MHC Kenworth - Olathe
1301 S. Hamilton Circle
Olathe, KS 66061

MHC Kenworth/Volvo - Springdale
4720 West Sunset Avenue
Springdale, AR 72764

MHC Carrier - Springfield
3315 E. Kearney
Springfield, MO 65803

MHC Kenworth - Cabool
915-A Shelton Drive
Cabool, MO 65689

MHC Kenworth - Joplin
6602 East 32nd Street
Joplin, MO 64804

MHC Kenworth - Springfield
3301 E. Kearney
Springfield, MO 65803

MHC Kenworth - Topeka
4425 NW 24 Highway
Topeka, KS 66618

7. North Carolina Kenworth, Inc. with current dealership locations as follows:

MHC Kenworth – Asheville
1895 Old Haywood Road
Asheville, NC 28806

MHC Kenworth – Greensboro
6442 Burnt Poplar Road
Greensboro, NC 27409

MHC Kenworth – Clinton
~~419 East Railroad Street~~
Clinton, NC 28328

MHC Kenworth – Durham
3600 Interworth Drive
Durham, NC 27704

MHC Kenworth – Concord
5331 Davidson Highway
Concord, NC 28027

MHC Kenworth - Wilmington
~~200 Sutton Steam Plant Road~~
Wilmington, NC 28401

MHC Kenworth – Raleigh
7500 Reba Driver
Raleigh, NC 27616

MHC Kenworth – Charlotte
230 East Westinghouse Boulevard
Charlotte, NC 28273

MHC Kenworth – Hickory
3500 17th Avenue Circle SW
Hickory, NC 28602

MHC Kenworth – Rocky Mount
7418 NC Highway 4
Battleboro, NC 27809

8. Southland Truck Center, Inc. with current dealership locations as follows:

MHC Kenworth - Memphis
3068 Millbranch Road
Memphis, TN 38116

MHC Ford - Memphis
1721 Transport Avenue
Memphis, TN 38116

MHC Kenworth - Tupelo
1552 Cliff Gookin Boulevard
Tupelo, MS 38801

9. Tennessee Kenworth, Inc. with current dealership locations as follows:

MHC Kenworth - Nashville
550 Spence Lane
Nashville, TN 37210

MHC Kenworth - Jackson
200 Kenworth Boulevard
Jackson, TN 38305

MHC Kenworth - Knoxville
1400 Ault Road
Knoxville, TN 37914

MHC Kenworth - Chattanooga
2000 E. 29th Street
Chattanooga, TN 37407

MHC Kenworth - Kingsport
859 Centenary Road
Blountville, TN 37617

10. Texas Kenworth Co. with current dealership locations as follows:

MHC Kenworth - Dallas
4040 Irving Boulevard
Dallas, TX 75247

MHC Kenworth - Texarkana
912 E. Loop Drive
Texarkana, TX 75501

MHC Kenworth - Ft. Worth
2520 Berner Street
Ft. Worth, TX 76111

MHC Kenworth/Sterling/Ford - El Paso
10901 Gateway West
El Paso, TX 79935

MHC Kenworth - Waco
3331 Greig Drive
Robinson, TX. 76706

MHC Kenworth - South Dallas
34661 LBJ Freeway
Dallas, TX. 75241

MHC Kenworth - Longview
5565 E. Loop 281 South
Longview, TX 75602

MHC Kenworth – Odessa
5251 West Interstate 20
Odessa, TX. 79763

11. MHC Financial Services, Inc.
1644 N. Corrington
Kansas City, MO 64120

12. MHC Truck Leasing, Inc. with current dealership locations as follows:

MHC Truck Leasing - Kansas City
1528 N. Corrington
Kansas City, MO 64120

MHC Truck Leasing - Memphis
1721 Transport Avenue
Memphis, TN 38116

MHC Truck Leasing - Grand Junction
752 23 ½ Road
Grand Junction, CO 81505

MHC Truck Leasing – Jonesburg
405 Smith Road
Jonesburg, Mo. 63351

MHC Truck Leasing – El Paso
10901 Gateway West
El Paso, TX. 79935

MHC Truck Leasing – Oklahoma City
5401 A. NE 10th Street
Oklahoma City, OK. 73117

MHC Truck Leasing – Greensboro
6442 Burnt Poplar Road
Greensboro, NC 27409

MHC Truck Leasing – Wilmington
208 Sutton Steam Plant Road
Wilmington, NC 58401

MHC Truck Leasing – Chattanooga
2000 East 29th Street
Chattanooga, TN 37407

MHC Truck Leasing – Concord
230 E. Westinghouse Blvd.
Charlotte, NC 28273

MHC Truck Leasing - Spring Hill
701 N. Lincoln
Spring Hill, KS 66083

MHC Truck Leasing - South Denver
2711 West Mannsfield Avenue
Englewood, CO 80110

MHC Truck Leasing - Tulsa
4460 S. 72nd East Avenue
Tulsa, OK 74145

MHC Truck Leasing – Knoxville
1400 Ault Road
Knoxville, TN. 37914

MHC Truck Leasing – Olathe
1250 W. 151st Street
Olathe, KS. 66061

MHC Truck Leasing – Columbia
8660 I-70 Drive SE
Columbia, Mo. 65201

MHC Truck Leasing – Durham
3600 Interworth Drive
Durham, NC 27704

MHC Truck Leasing – Norcross
1923 Graves Road
Norcross, GA 30093

MHC Truck Leasing – Dilley
1590 S. BI35D
Dilley, TX 78017

MHC Truck Leasing - Ft. Smith
901 S. Fresno
Ft. Smith, AR 72901

MHC Truck Leasing - Denver
7000 E. 46th Avenue Drive
Denver, CO 80216

MHC Truck Leasing - Pueblo
4435 N. Elizabeth Street
Pueblo, CO 81008

MHC Truck Leasing - Nashville
550 Spence Lane
Nashville, TN. 37210

MHC Truck Leasing – Longview
5565 East Loop 281 South
Longview, TX. 75602

MHC Truck Leasing – Hickory
3500 17th Avenue Circle SW
Hickory, NC 28602

MHC Truck Leasing – Rocky Mount
7418 NC Highway 4
Battleboro, NC 27809

MHC Truck Leasing – South Atlanta
2003 Industrial Parkway
McDonough, GA 30253

MHC Truck Leasing – Raleigh
7500 Reba Driver
Raleigh, NC 27616

MHC Truck Leasing - Little Rock
7015 Scott Hamilton Drive
Little Rock, AR 72209

MHC Truck Leasing - Col Springs
4255 N. Nevada Avenue
Colorado Springs, CO 80907

MHC Truck Leasing - Dallas
4040 Irving Boulevard
Dallas, TX 75247

MHC Truck Leasing – Atlanta
5860 Riverview Road
Mableton, GA. 30126

MHC Truck Leasing – Odessa
5251 W. Interstate 20
Odessa, TX. 79763

MHC Truck Leasing – Charlotte
230 East Westinghouse Boulevard
Charlotte, NC 28273

MHC Truck Leasing – Clinton
419 East Railroad Street
Clinton, NC 28328

MHC Truck Leasing – Springfield
3301 E. Kearney St.
Springfield, MO 65803

MHC Truck Leasing – Asheville
1895 Old Haywood Road
Asheville, NC 28806

13. MHC Truck Source, Inc. with current dealership locations as follows:

MHC Truck Source - Kansas City
3501 Manchester Trwy
Kansas City, MO 64129

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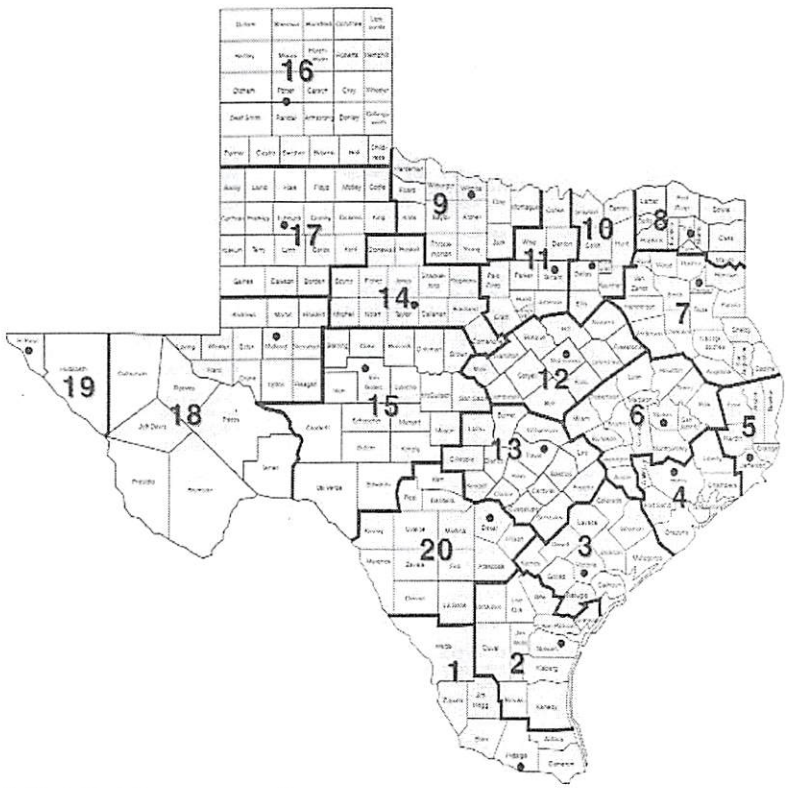
TEXAS REGIONAL SERVICE DESIGNATION

Unless you designate otherwise on this form, you agree to service members of The Local Government Purchasing Cooperative statewide!

The Cooperative *(referred to as "Texas Cooperative" in this form and in the State Service Designation form)* offers vendors the opportunity to service its members throughout the entire State of Texas. If you do not plan to service all Texas Cooperative members statewide, you **must** indicate the specific regions you will service on this form. Additionally, if you do not plan to service Texas Cooperative members *(i.e., if you will service only states other than Texas)*, you must so indicate on this form.

Regional Education Service Centers



MHC Kenworth
Company Name

Randy Smartt
Signature of Authorized Company Official

Randy Smartt
Printed Name

☒ **I will service Texas Cooperative members statewide.**

☐ **I will not service Texas Cooperative members statewide. I will only service members in the regions checked below:**

	Region	Headquarters
☐	1	Edinburg
☐	2	Corpus Christi
☐	3	Victoria
☐	4	Houston
☐	5	Beaumont
☐	6	Huntsville
☐	7	Kilgore
☐	8	Mount Pleasant
☐	9	Wichita Falls
☐	10	Richardson
☐	11	Fort Worth
☐	12	Waco
☐	13	Austin
☐	14	Abilene
☐	15	San Angelo
☐	16	Amarillo
☐	17	Lubbock
☐	18	Midland
☐	19	El Paso
☐	20	San Antonio

☐ I will not service members of the Texas Cooperative.

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STATE SERVICE DESIGNATION

The Cooperative offers vendors the opportunity to service other governmental entities in the United States, including intergovernmental purchasing cooperatives such as the National Purchasing Cooperative BuyBoard. You must complete this form if you plan to service the entire United States, or will service only the specific states indicated. *(Note: If you plan to service Texas Cooperative members, be sure that you complete the Texas Regional Service Designation form.)*

☑ I will service all states in the United States.

☐ I will not service all states in the United States. I will service only the states checked below:

- ☐ Alabama
- ☐ Alaska
- ☐ Arizona
- ☐ Arkansas
- ☐ California (Public Contract Code 20118 & 20652)
- ☐ Colorado
- ☐ Connecticut
- ☐ Delaware
- ☐ District of Columbia
- ☐ Florida
- ☐ Georgia
- ☐ Hawaii
- ☐ Idaho
- ☐ Illinois
- ☐ Indiana
- ☐ Iowa
- ☐ Kansas
- ☐ Kentucky
- ☐ Louisiana
- ☐ Maine
- ☐ Maryland
- ☐ Massachusetts
- ☐ Michigan
- ☐ Minnesota
- ☐ Mississippi
- ☐ Missouri
- ☐ Montana
- ☐ Nebraska
- ☐ Nevada
- ☐ New Hampshire
- ☐ New Jersey
- ☐ New Mexico
- ☐ New York
- ☐ North Carolina
- ☐ North Dakota
- ☐ Ohio
- ☐ Oklahoma
- ☐ Oregon
- ☐ Pennsylvania
- ☐ Rhode Island
- ☐ South Carolina
- ☐ South Dakota
- ☐ Tennessee
- ☐ Texas
- ☐ Utah
- ☐ Vermont
- ☐ Virginia
- ☐ Washington
- ☐ West Virginia
- ☐ Wisconsin
- ☐ Wyoming

This form will be used to ensure that you can service other governmental entities throughout the United States as indicated. Your signature below confirms that you understand your service commitments during the term of a contract awarded under this proposal.

MHC Kenworth
Company Name

Randy Smartt
Signature of Authorized Company Official

Randy Smartt
Printed Name

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NATIONAL PURCHASING COOPERATIVE VENDOR AWARD AGREEMENT

In accordance with the Terms and Conditions associated with this Proposal Invitation, a contract awarded under this Proposal Invitation may be "piggy-backed" by another governmental entity. The National Purchasing Cooperative is an intergovernmental purchasing cooperative formed by certain school districts outside of Texas to serve its members throughout the United States. If you agree to be considered for a piggy-back award by the National Purchasing Cooperative, you agree to the following terms and agree to serve National Purchasing Cooperative members in the states you have indicated on the State Service Designation form, in your Proposal.

By signing this form, Proposer (referred to in this Agreement as "Vendor") agrees as follows:

1. Vendor acknowledges that if The Local Government Purchasing Cooperative ("Texas Cooperative") awards Vendor a contract under this Proposal Invitation ("Underlying Award"), the National Purchasing Cooperative ("National Cooperative") may - but is not required to - "piggy-back" on or re-award all or a portion of that Underlying Award ("Piggy-Back Award"). By signing this National Cooperative Vendor Award Agreement ("Agreement"), Vendor accepts and agrees to be bound by any such Piggy-Back Award as provided for herein.

2. In the event National Cooperative awards Vendor a Piggy-Back Award, the National Cooperative Administrator ("BuyBoard Administrator") will notify Vendor in writing of such Piggy-Back Award, which award shall commence on the effective date stated in the Notice and end on the expiration date of the Underlying Award, subject to annual renewals as authorized in writing by the BuyBoard Administrator. Vendor agrees that no further signature or other action is required of Vendor in order for the Piggy-Back Award and this Agreement to be binding upon Vendor. Vendor further agrees that no interlineations or changes to this Agreement by Vendor will be binding on National Cooperative, unless such changes are agreed to by its BuyBoard Administrator in writing.

3. Vendor agrees that it shall offer its goods and services to National Cooperative members at the same unit pricing and same general terms and conditions, subject to applicable state laws in the state of purchase, as required by the Underlying Award. However, nothing in this Agreement prevents Vendor from offering National Cooperative members better (i.e., lower) competitive pricing and more favorable terms and conditions than those in the Underlying Award.

4. Vendor hereby agrees and confirms that it will serve those states it has designated on the State Service Designation Form of this Proposal Invitation. Any changes to the states designated on the State Service Designation Form must be approved in writing by the BuyBoard Administrator.

5. Vendor agrees to pay National Cooperative the service fee provided for in the Underlying Award based on the amount of purchases generated from National Cooperative members through the Piggy-Back Award. Vendor shall remit payment to National Cooperative on such schedule as it specifies (which shall not be more often than monthly). Further, upon request, Vendor shall provide National Cooperative with copies of all purchase orders generated from National Cooperative members for purposes of reviewing and verifying purchase activity. Vendor further agrees that National Cooperative shall have the right, upon reasonable written notice, to review Vendor's records pertaining to purchases made by National Cooperative members in order to verify the accuracy of service fees.

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6. Vendor agrees that the Underlying Award, including its General Terms and Conditions, are adopted by reference to the fullest extent such provisions can reasonably apply to the post-proposal/contract award phase. The rights and responsibilities that would ordinarily inure to the Texas Cooperative pursuant to the Underlying Award shall inure to National Cooperative; and, conversely, the rights and responsibilities that would ordinarily inure to Vendor in the Underlying Award shall inure to Vendor in this Agreement. Vendor recognizes and agrees that Vendor and National Cooperative are the only parties to this Agreement, and that nothing in this Agreement has application to other third parties, including the Texas Cooperative. In the event of conflict between this Agreement and the terms of the Underlying Award, the terms of this Agreement shall control, and then only to the extent necessary to reconcile the conflict.

7. This Agreement shall be governed and construed in accordance with the laws of the State of Rhode Island and venue for any dispute shall lie in the federal district court of Alexandria, Virginia.

8. Vendor acknowledges and agrees that the award of a Piggy-Back Award is within the sole discretion of National Cooperative, and that this Agreement does not take effect unless and until National Cooperative awards Vendor a Piggy-Back Award and the BuyBoard Administrator notifies Vendor in writing of such Piggy-Back Award as provided for herein.

WHEREFORE, by signing below Vendor agrees to the foregoing and warrants that it has the authority to enter into this Agreement.

MHC Kenworth
Name of Vendor

521-16
Proposal Invitation Number

Randy Smartt
Signature of Authorized Company Official

Randy Smartt
Printed Name of Authorized Company Official

8-29-16
Date

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FEDERAL AND STATE/PURCHASING COOPERATIVE DISCOUNT COMPARISON FORM

The Cooperative strives to provide its members with the best services and products at the best prices available. The Cooperative determines whether prices/discounts are fair and reasonable by comparing prices/discounts stated in your Proposal with prices/discounts you offer federal and state entities and other interlocal purchasing cooperatives (collectively referred to as "purchasing cooperative" in this form). Please respond to the following questions.

1. Provide the dollar value of sales to or through purchasing cooperatives at or based on an established catalog or market price during the previous 12-month period or the last fiscal year: $1,700,000.00 (The period of the 12 month period is 1-1-15 / 12-30-15). In the event that a dollar value is not an appropriate measure of the sales, provide and describe your own measure of the sales of the item(s).

2. Based on your written discounting policies are the discounts you offer the Cooperative equal to or better than the best price you offer other purchasing cooperatives acquiring the same items regardless of quantity or terms and conditions?

   YES☒ NO☐

3. Based on your written discounting policies, provide the information requested below for other purchasing cooperatives, either in the chart below or in an equivalent format. Rows should be added to accommodate as many purchasing cooperatives as required.

PURCHASING GROUP	DISCOUNT (%)	QUANTITY/VOLUME	FOB TERM
1. Federal General Services Adm.			
2. T-PASS			
3. U.S. Communities Purchasing Alliance			
4. The Cooperative Purchasing Network			
5. Houston-Galveston Area Council			
6. Other			

☒ **MY COMPANY DOES NOT CURRENTLY HAVE ANY OF THE ABOVE OR SIMILAR TYPE CONTRACTS.**

CURRENT BUYBOARD VENDORS

If you are a current BuyBoard vendor, indicate the discount for your current BuyBoard contract and the proposed discount in this Proposal. Explain any difference between your current and proposed discounts.

Current Discount (%): 27% **Proposed Discount (%):** 27%

Explanation: _____

By signature below, I certify that the above is true, complete and accurate and that I am authorized by my company to make this certification.

MHC Kenworth
Company Name

Randy Smartt
Signature of Authorized Company Official

Randy Smartt
Printed Name

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GOVERNMENTAL REFERENCES AND PRICE/DISCOUNT INFORMATION

For your Proposal to be considered, you must supply a minimum of five (5) individual governmental entity references. Provide the information requested below, including the existing price/discounts you offer each customer. The Cooperative determines whether prices/discounts are fair and reasonable by comparing prices/discounts stated in your Proposal with the prices/discounts you offer other governmental customers. Attach additional pages if necessary.

	Entity Name	Contact	Phone#	Discount	Quantity/ Volume	FOB Term
1.	NTMWD	RONNIE DUER		27 %	25	30 Net
2.	City of Mesquite	RIEA CHOATE	972 2126403	27 %	30	Net 30
3.	City of Carrollton	BRAD HUNTER	972-466-3490	27 %	20	Net 30
4.	Farmers Branch	KEVIN MERRICHOW	972-919-8700	27 %	10	Net 30
5.	Plano	DAVID GARZA	972 769 4193	27 %	15	Net 30

Do you ever modify your written policies or standard governmental sales practices as identified in the above chart to give better discounts (lower prices) than indicated? **YES** ■ **NO** ☐ If YES, please explain:

If the factory is offering better discounts we pass on the savings to the end user

By signature below, I certify that the above is true and correct and that I am authorized by my company to make this certification.

MHC Kenworth
Company Name

Randy Smartt
Signature of Authorized Company Official

Randy Smartt
Printed Name

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MARKETING STRATEGY

For your Proposal to be considered, you must submit the Marketing Strategy you will use if the Cooperative accepts all or part of your Proposal. *(Example: How your company will initially inform Cooperative members of your BuyBoard contract, and how you will continue to support the BuyBoard for the duration of the contract period.)*

Attach additional pages if necessary.

Constant contact email to all enities each month

Outside parts, service, and sales personal to call on all per month

We have 95 dealerships to cover a large customer base

Bi yearly truck show events for customers

Participation in all government related shows

MHC Kenworth
Company Name

Randy Smartt
Signature of Authorized Company Official

Randy Smartt
Printed Name

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CONFIDENTIAL/PROPRIETARY INFORMATION FORM

A. Public Disclosure Laws

All Proposals, forms, documentation, or other materials submitted by Vendor to the Cooperative in response to this Proposal Invitation may be subject to the disclosure requirements of the Texas Public Information Act (Texas Government Code chapter 552.001, *et. seq.*) or similar disclosure law. Proposer must clearly identify on this form any information in its Proposal (including forms, documentation, or other materials submitted with the Proposal) that Proposer considers proprietary or confidential. If Proposer fails to properly identify the information, the Cooperative shall have no obligation to seek protection of such information from public disclosure should a member of the public or other third party request access to the information under the Texas Public Information Act or similar disclosure law. Proposer will be notified of any third party request for information in a Proposal that Proposer has identified in this form as proprietary or confidential.

Does your Proposal (including forms, documentation, or other materials submitted with the Proposal) contain information which Vendor considers proprietary or confidential?

Please check (√) one of the following:

☐ **NO**, I certify that none of the information included with this Proposal is considered confidential or proprietary.

☐ **YES**, I certify that this Proposal contains information considered confidential or proprietary and all such information is specifically identified on this form.

If you responded "YES", you must identify below the specific information you consider confidential or proprietary. List each page number, form number, or other information sufficient to make the information readily identifiable. The Cooperative and its Administrator will not be responsible for a Proposer's failure to clearly identify information considered confidential or proprietary. Further, by submitting a Proposal, Proposer acknowledges that the Cooperative and its Administrator will disclose information when required by law, even if such information has been identified herein as information the vendor considers confidential or proprietary.

Confidential / Proprietary Information:

_____

_____

_____

_____

(Attach additional sheets if needed.)

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B. Copyright Information

Does your Proposal (including forms, documentation, or other materials submitted with the Proposal) contain copyright information?

Please check (√) one of the following:

☐ **NO,** Proposal (including forms, documentation, or other materials submitted with the Proposal) does not contain copyright information.

☐ **YES,** Proposal (including forms, documentation, or other materials submitted with the Proposal) does contain copyright information.

If you responded "YES", identify below the specific documents or pages containing copyright information.

Copyright Information: _____

_____

_____

(Attach additional sheets if needed.)

C. Consent to Release Confidential/Proprietary/Copyright Information to BuyBoard Members

BuyBoard members (Cooperative and nonprofit members) seeking to make purchases through the BuyBoard may wish to view information included in the Proposals of awarded Vendors. If you identified information on this form as confidential, proprietary, or subject to copyright, and you are awarded a BuyBoard contract, your acceptance of the BuyBoard contract award constitutes your consent to the disclosure of such information to BuyBoard members, including posting of such information on the secure BuyBoard website for members. Note: Neither the Cooperative nor its Administrator will be responsible for the use or distribution of information by BuyBoard members or any other party.

By signature below, I certify that the information in this form is true, complete, and accurate and that I am authorized by my company to make this certification and all consents and agreements contained herein.

MHC Kenworth
Company Name

Randy Smartt
Signature of Authorized Company Official

Randy Smartt
Printed Name

8/30/16
Date

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VENDOR BUSINESS NAME FORM

By submitting a Proposal, Proposer is seeking to enter into a legal contract with the Cooperative. As such, a Proposer must be an individual or legal business entity capable of entering into a binding contract. Proposers, must completely and accurately provide the information requested below or your Proposal may be deemed non-responsive.

Name of Proposing Company: MHC Kenworth

*(List the **legal** name of the company seeking to contract with the Cooperative. Do NOT list an assumed name, dba, aka, etc. here. Such information may be provided below. If you are submitting a joint proposal with another entity to provide the same proposed goods or services, each submitting entity should complete a separate vendor information form. Separately operating legal business entities, even if affiliated entities, which propose to provide goods or services separately must submit their own Proposals.)*

Please check (√) one of the following:

Type of Business:

Individual/Sole Proprietor	____
Corporation	X
Limited Liability Company	____
Partnership	____
Other	____

If other, identify _____

State of Incorporation (if applicable): Kansas City, KS.

Federal Employer Identification Number: 75-1247093

(Vendor must include a completed IRS W-9 form with their proposal)

List the Name(s) by which Vendor, if awarded, wishes to be identified on the BuyBoard: *(Note: If different than the Name of Proposing Company listed above, only valid trade names (dba, aka, etc.) of the Proposing Company may be used and a copy of your Assumed Name Certificate(s), if applicable, must be attached.)*

_____

_____

_____

Form **W-9**
(Rev. December 2014)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

Give Form to the requester. Do not send to the IRS.

Print or type
See Specific Instructions on page 2.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.
Texas Kenworth Co

2 Business name/disregarded entity name, if different from above
dbr. MHC Kenworth - Dallas

3 Check appropriate box for federal tax classification; check only one of the following seven boxes:
☐ Individual/sole proprietor or single-member LLC ☐ C Corporation ☑ S Corporation ☐ Partnership ☐ Trust/estate
☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶
Note. For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner.
☐ Other (see instructions) ▶

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):
Exempt payee code (if any)
Exemption from FATCA reporting code (if any)
(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.)
4040 Irving Blvd

Requester's name and address (optional)

6 City, state, and ZIP code
Dallas Tx 75247

7 List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.

Social security number
___ - ___ - ____

or

Employer identification number
7 5 - 1 2 4 7 0 9 3

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign Here Signature of U.S. person ▶ Ron Witt Date ▶ 1/5/15

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at *www.irs.gov/fw9*.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See *What is backup withholding?* on page 2.

By signing the filled-out form, you:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.

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EDGAR VENDOR CERTIFICATION FORM

(2 CFR Part 200 and Appendix II)

When a Cooperative member seeks to procure goods and services using funds under a federal grant or contract, specific federal laws, regulations, and requirements may apply in addition to those under state law. This includes, but is not limited to, the procurement standards of the Uniform Administrative Requirements, Cost Principles and Audit Requirements for Federal Awards, 2 CFR 200 (sometimes referred to as the "Uniform Guidance" or new "EDGAR"). All Vendors submitting proposals must complete this EDGAR Certification Form regarding Vendor's willingness and ability to comply with certain requirements which ***may*** be applicable to specific Cooperative member purchases using federal grant funds. This completed form will be made available to Cooperative members for their use while considering their purchasing options when using federal grant funds. Cooperative members may also require Vendors to enter into ancillary agreements, in addition to the BuyBoard contract's general terms and conditions, to address the member's specific contractual needs, including contract requirements for a procurement using federal grants or contracts.

For <u>each</u> of the items below, Vendor should certify Vendor's agreement and ability to comply, where applicable, by having Vendor's authorized representative check and initial the applicable boxes and sign the acknowledgment at the end of this form. If you fail to complete any item in this form, the Cooperative will consider and may list the Vendor's response on the BuyBoard as "NO," the Vendor is unable or unwilling to comply. A "NO" response to any of the items may, if applicable, impact the ability of a Cooperative member to purchase from the Vendor using federal funds.

1. Vendor Violation or Breach of Contract Terms:

Contracts for more than the simplified acquisition threshold currently set at $150,000, which is the inflation adjusted amount determined by the Civilian Agency Acquisition Council and the Defense Acquisition Regulations Council (Councils) as authorized by 41 USC 1908, must address administrative, contractual, or legal remedies in instances where contractors violate or breach contract terms, and provide for such sanctions and penalties as appropriate.

Provisions regarding Vendor default are included in the BuyBoard General Terms and Conditions, including Section E.18, Remedies for Default and Termination of Contract. Any Contract award will be subject to such BuyBoard General Terms and Conditions, as well as any additional terms and conditions in any Purchase Order, Cooperative member ancillary contract, or Member Construction Contract agreed upon by Vendor and the Cooperative member which must be consistent with and protect the Cooperative member at least to the same extent as the BuyBoard Terms and Conditions.

The remedies under the Contract are in addition to any other remedies that may be available under law or in equity.

By submitting a Proposal, you agree to these Vendor violation and breach of contract terms.

Vendor Certification, Item 1 (Vendor Violation or Breach of Contract Terms)

☒ **YES, I <u>agree</u> to the above.** (Initial: RS)

☐ **NO, I do <u>NOT</u> agree to the above.** (Initial: _____)

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2. Termination for Cause or Convenience:

For any Cooperative member purchase or contract in excess of $10,000 made using federal funds, you agree that the following term and condition shall apply:

The Cooperative member may terminate or cancel any purchase order under this Contract at any time, with or without cause, by providing seven (7) business days advance written notice to the Vendor. If this Agreement is terminated in accordance with this Paragraph, the Cooperative member shall only be required to pay Vendor for goods or services delivered to the Cooperative member prior to the termination and not otherwise returned in accordance with Vendor's return policy. If the Cooperative member has paid Vendor for goods or services not yet provided as of the date of termination, Vendor shall immediately refund such payment(s).

If an alternate provision for termination of a Cooperative member purchase for cause and convenience, including the manner by which it will be effected and the basis for settlement, is included in the Cooperative member's purchase order, ancillary agreement, or Member Construction Contract agreed to by the Vendor, the Cooperative member's provision shall control.

Vendor Certification, Item 2 (Termination for Cause or Convenience):

☒ **YES, I agree to the above.** (Initial: RS)

☐ **NO, I do NOT agree to the above.** (Initial: _____)

---

3. Equal Employment Opportunity:

Except as otherwise provided under 41 CFR Part 60, all Cooperative member purchases or contracts that meet the definition of "federally assisted construction contract" in 41 CFR Part 60-1.3 shall be deemed to include the equal opportunity clause provided under 41 CFR 60-1.4(b), in accordance with Executive Order 11246, "Equal Employment Opportunity" (30 FR 12319, 12935, 3 CFR Part, 1964-1965 Comp., p. 339), as amended by Executive Order 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," and implementing regulations at 41 CFR Part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor."

The equal opportunity clause provided under 41 CFR 60-1.4(b) is hereby incorporated by reference. Vendor agrees that such provision applies to any Cooperative member purchase or contract that meets the definition of "federally assisted construction contract" in 41 CFR Part 60-1.3 and Vendor agrees that it shall comply with such provision.

Vendor Certification, Item 3 (Equal Employment Opportunity):

☒ **YES, I agree to the above.** (Initial: RS)

☐ **NO, I do NOT agree to the above.** (Initial: _____)

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4. Davis-Bacon Act:

When required by Federal program legislation, Vendor agrees that, for all Cooperative member prime construction contracts/purchases in excess of $2,000, Vendor shall comply with the Davis-Bacon Act (40 USC 3141-3144, and 3146-3148) as supplemented by Department of Labor regulations (29 CFR Part 5, "Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction"). In accordance with the statute, Vendor is required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determinate made by the Secretary of Labor. In addition, Vendor shall pay wages not less than once a week.

Current prevailing wage determinations issued by the Department of Labor are available at www.wdol.gov. Vendor agrees that, for any purchase to which this requirement applies, the award of the purchase to the Vendor is conditioned upon Vendor's acceptance of the wage determination.

Vendor further agrees that it shall also comply with the Copeland "Anti-Kickback" Act (40 USC 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"). The Act provides that each contractor or subrecipient must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled.

Vendor Certification, Item 4 (Davis-Bacon Act):

☒ **YES, I agree to the above.** (Initial: RV)

☐ **NO, I do NOT agree to the above.** (Initial: _____)

---

5. Contract Work Hours and Safety Standards Act:

Where applicable, for all Cooperative member contracts or purchases in excess of $100,000 that involve the employment of mechanics or laborers, Vendor agrees to comply with 40 USC 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 USC 3702 of the Act, Vendor is required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 USC 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

Vendor Certification, Item 5 (Contract Work Hours and Safety Standards Act):

☒ **YES, I agree to the above.** (Initial: RS)

☐ **NO, I do NOT agree to the above.** (Initial: _____)

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6. Right to Inventions Made Under a Contract or Agreement:

If the Cooperative member's Federal award meets the definition of "funding agreement" under 37 CFR 401.2(a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance or experimental, developmental, or research work under that "funding agreement," the recipient or subrecipient must comply with the requirements of 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency.

Vendor agrees to comply with the above requirements when applicable.

Vendor Certification, Item 6 (Right to Inventions Made Under a Contract or Agreement):

☒ **YES, I agree to the above.** (Initial: PS)

☐ **NO, I do NOT agree to the above.** (Initial: _____)

---

7. Clean Air Act and Federal Water Pollution Control Act:

Clean Air Act (42 USC 7401-7671q.) and the Federal Water Pollution Control Act (33 USC 1251-1387), as amended – Contracts and subgrants of amounts in excess of $150,000 must contain a provision that requires the non-Federal award to agree to comply with all applicable standards, orders, or regulations issued pursuant to the Clean Air Act (42 USC 7401-7671q.) and the Federal Water Pollution Control Act, as amended (33 USC 1251-1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

When required, Vendor agrees to comply with all applicable standards, orders, or regulations issued pursuant to the Clean Air Act and the Federal Water Pollution Control Act.

Vendor Certification, Item 7 (Clean Air Act and Federal Water Pollution Control Act):

☒ **YES, I agree to the above.** (Initial: PS)

☐ **NO, I do NOT agree to the above.** (Initial: _____)

---

8. Debarment and Suspension:

Debarment and Suspension (Executive Orders 12549 and 12689) – A contract award (see 2 CFR 180.220) must not be made to parties listed on the government-wide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 CFR 180 that implement Executive Orders 12549 (3 CFR Part 1966 Comp. p. 189) and 12689 (3 CFR Part 1989 Comp. p. 235), "Debarment and Suspension." SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549.

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Vendor certifies that Vendor is not currently listed on the government-wide exclusions in SAM, is not debarred, suspended, or otherwise excluded by agencies or declared ineligible under statutory or regulatory authority other than Executive Order 12549. Vendor further agrees to immediately notify the Cooperative and all Cooperative members with pending purchases or seeking to purchase from Vendor if Vendor is later listed on the government-wide exclusions in SAM, or is debarred, suspended, or otherwise excluded by agencies or declared ineligible under statutory or regulatory authority other than Executive Order 12549.

Vendor Certification, Item 8 (Debarment and Suspension):

☒ **YES, I agree / certify to the above.** (Initial: RS)

☐ **NO, I do NOT agree / certify to the above.** (Initial: _____)

---

9. Byrd Anti-Lobbying Amendment:

Byrd Anti-Lobbying Amendment (31 USC 1352) -- Vendors that apply or bid for an award exceeding $100,000 must file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 USC 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award.

As applicable, Vendor agrees to file all certifications and disclosures required by, and otherwise comply with, the Byrd Anti-Lobbying Amendment (31 USC 1352).

Vendor Certification, Item 9 (Byrd Anti-Lobbying Amendment):

☐ **YES, I agree to the above.** (Initial: RS)

☐ **NO, I do NOT agree to the above.** (Initial: _____)

---

10. Procurement of Recovered Materials:

For Cooperative member purchases utilizing Federal funds, Vendor agrees to comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act where applicable and provide such information and certifications as a Cooperative member may require to confirm estimates and otherwise comply. The requirements of Section 6002 include procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR Part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds $10,000 or the value of the quantity acquired during the preceding fiscal year exceeded $10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery, and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.

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Vendor Certification, Item 10 (Procurement of Recovered Materials):

☒ **YES, I agree to the above.** (Initial: RS)

☐ **NO, I do NOT agree to the above.** (Initial: _____)

---

11. Profit as a Separate Element of Price

For purchases using federal funds in excess of $150,000, a Cooperative member may be required to negotiate profit as a separate element of the price. *See*, 2 CFR 200.323(b). When required by a Cooperative member, Vendor agrees to provide information and negotiate with the Cooperative member regarding profit as a separate element of the price for a particular purchase. However, Vendor agrees that the total price, including profit, charged by Vendor to the Cooperative member shall not exceed the awarded pricing, including any applicable discount, under Vendor's Cooperative Contract.

Vendor Certification, Item 11 (Profit as Separate Element of Price):

☒ **YES, I agree to the above.** (Initial: RS)

☐ **NO, I do NOT agree to the above.** (Initial: _____)

---

12. General Compliance and Cooperation with Cooperative Members

In addition to the foregoing specific requirements, Vendor agrees, in accepting any Purchase Order from a Cooperative member, it shall make a good faith effort to work with Cooperative members to provide such information and to satisfy such requirements as may apply to a particular Cooperative member purchase or purchases including, but not limited to, applicable recordkeeping and record retention requirements.

Vendor Certification, Item 12 (General Compliance and Cooperation with Cooperative Members):

☒ **YES, I agree to the above.** (Initial: RS)

☐ **NO, I do NOT agree to the above.** (Initial: _____)

By signature below, I certify that the information in this form is true, complete, and accurate and that I am authorized by my company to make this certification and all consents and agreements contained herein.

MHC Kenworth
Company Name

Randy Smart
Signature of Authorized Company Official

Randy Smart
Printed Name

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REQUIRED FORMS CHECKLIST

(Please check (√) the following)

- [x] Completed: **Proposer's Agreement and Signature** (Form A)
- [x] Completed: **Vendor Purchase Order, Request for Quotes, and Invoice Receipt Options** (Form B)
- [x] Completed: **Felony Conviction Disclosure and Debarment Certification** (Form C)
- [x] Completed: **Resident/Nonresident Certification** (Form D)
- [x] Completed: **Historically Underutilized Business (HUB) Certification** (Form E)
- [x] Completed: **Affirmation Regarding Construction Related Goods and Services** (Form F)
- [x] Completed: **Deviation/Compliance Signature Form** (Form G)
- [x] Completed: **Dealership Listings** (Form H)
- [x] Completed: **Texas Regional Service Designation** (Form I)
- [x] Completed: **State Service Designation** (Form J)
- [x] Completed: **National Purchasing Cooperative Vendor Award Agreement** (Form K)
- [x] Completed: **Federal and State/Purchasing Cooperative Discount Comparison Form** (Form L)
- [x] Completed: **Governmental References and Price/Discount Information** (Form M)
- [x] Completed: **Marketing Strategy** (Form N)
- [x] Completed: **Confidential/Proprietary Information Form** (Form O)
- [x] Completed: **Vendor Business Name Form with IRS Form W-9** (Form P)
- [x] Completed: **EDGAR Vendor Certification Form** (Form Q)
- [x] Completed: **Forms Checklist** (Form R)
- [x] Completed: **Proposal Specification Form with Catalogs/Pricelists** (Form S), **Manufacturer Authorization Letters, Franchise Motor Vehicle Dealer Certificate from Texas Department of Motor Vehicles, Applicable Dealer License and Options List.**

**Catalogs/Pricelists must be submitted with proposal response or response will not be considered.*

BuyBoard Cooperative Purchasing

Proposal Invitation No. 521-16 Vehicles, Heavy Duty Trucks, Police Motorcyles, Parts, and Service Labor

*ALL COLUMNS MUST BE COMPLETED OR PROPOSAL WILL NOT BE CONSIDERED

NOTE 1: Vendors should propose direct replacement models if a vehicle/truck model specified below has been discontinued by the manufacturer. All vehicle fees to be charged for any purchase from this contract with the exception of delivery fees *(i.e. pre delivery inspection, make ready, applicable state inspection fee, manufacturer destination fees, etc.)* are to be included in the base price(s). Vehicle fees not included in the base price(s) will not be allowed. The Cooperative service fee is not a "vehicle fee" and is not to be included in the base pricing.

NOTE 2: An awarded Vendor must be approved by the manufacturer to sell, install, and service the brand of equipment submitted. Proposers responding to this Proposal Invitation should submit an approval letter from each manufacturer. Manufacturer authorization letters must include the regions in which equipment may be sold.

NOTE 3: Franchise Motor Vehicle Dealer Certificate from Texas Department of Motor Vehicles. Manufacturer certificate from Texas Department of Motor Vehicles or, if vendor proposes to serve states outside of the State of Texas, the applicable dealer license(s) for such state(s).

Section I: Kenworth Model Vehicles

Item No.	Specified Brand or Equal	Short Description	Full Description	Base Model Price	State Brand and Model	Vehicle Options
250	Kenworth	Kenworth Model T270	**Kenworth Model T270 -** Class 6, 26,000 lb. GVWR, Conventional Cab, PACCAR PX-7 Diesel Engine, complete with all manufacturer's standard equipment.	$ $54,391.00	Kenworth T270	Per section II you must attach a serperate sheet with upgrade options to include all manufacturer options for this model including alternative fuel chose equipment (CNG, LPG, Hybrid, etc.)
251	Kenworth	Kenworth Model T370	**Kenworth Model T370 -** Class 7, 33,000 lb. GVWR, Conventional Cab, PACCAR PX-7 Diesel Engine, complete with all manufacturer's standard equipment.	$ $54,344.00	Kenworth T370	Per section II you must attach a serperate sheet with upgrade options to include all manufacturer options for this model including alternative fuel chose equipment (CNG, LPG, Hybrid, etc.)

PROPOSAL NOTE:

1. * Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.

BuyBoard Cooperative Purchasing

Proposal Invitation No. 521-16 Vehicles, Heavy Duty Trucks, Police Motorcyles, Parts, and Service Labor

*ALL COLUMNS MUST BE COMPLETED OR PROPOSAL WILL NOT BE CONSIDERED

Item No.	Specified Brand or Equal	Short Description	Full Description	Base Model Price	State Brand and Model	Vehicle Options
252	Kenworth	Kenworth Model K270	**Kenworth Model K270 -** Class 6, 26,000 lb. GVWR, COE Cab, PACCAR PX-7 Diesel Engine, complete with all manufacturer's standard equipment.	$ $63,387.00	Kenworth K270	Per section II you must attach a serperate sheet with upgrade options to include all manufacturer options for this model including alternative fuel chose equipment (CNG, LPG, Hybrid, etc.)
253	Kenworth	Kenworth Model TK370	**Kenworth Model K370 -** Class 7, 33,000 lb. GVWR, COE Cab, PACCAR PX-7 Diesel Engine, complete with all manufacturer's standard equipment.	$ 63,957.00	Kenworth K370	Per section II you must attach a serperate sheet with upgrade options to include all manufacturer options for this model including alternative fuel chose equipment (CNG, LPG, Hybrid, etc.)
254	Kenworth	Kenworth Model T440	**Kenworth Model T440 -** Class 7, 33,000 lb. GVWR, Conventional Cab, PACCAR PX-9 Diesel Engine, complete with all manufacturer's standard equipment.	$ 65,865.00	Kenworth T440 CLS 7	Per section II you must attach a serperate sheet with upgrade options to include all manufacturer options for this model including alternative fuel chose equipment (CNG, LPG, Hybrid, etc.)
255	Kenworth	Kenworth Model T440	**Kenworth Model T440 -** Class 8, 33,001+ lb. GVWR, Conventional Cab, PACCAR PX-9 Diesel Engine, complete with all manufacturer's standard equipment.	$ 70,202.00	Kenworth T440 CLS 8	Per section II you must attach a serperate sheet with upgrade options to include all manufacturer options for this model including alternative fuel chose equipment (CNG, LPG, Hybrid, etc.)

PROPOSAL NOTE:

1. * Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.

BuyBoard Cooperative Purchasing

Proposal Invitation No. 521-16 Vehicles, Heavy Duty Trucks, Police Motorcyles, Parts, and Service Labor

*ALL COLUMNS MUST BE COMPLETED OR PROPOSAL WILL NOT BE CONSIDERED

Item No.	Specified Brand or Equal	Short Description	Full Description	Base Model Price	State Brand and Model	Vehicle Options
256	Kenworth	Kenworth Model T470	**Kenworth Model T470 -** Class 7, 33,000 lb. GVWR, Conventional Cab, PACCAR PX-9 Diesel Engine, complete with all manufacturer's standard equipment.	$ 65,231.00	Kenworth T470 CLS 7	Per section II you must attach a serperate sheet with upgrade options to include all manufacturer options for this model including alternative fuel chose equipment (CNG, LPG, Hybrid, etc.)
257	Kenworth	Kenworth Model T470	**Kenworth Model T470 -** Class 8, 33,001+ lb. GVWR, Conventional Cab, PACCAR PX-9 Diesel Engine, complete with all manufacturer's standard equipment.	$ 69,955.00	Kenworth T470 CLS 8	Per section II you must attach a serperate sheet with upgrade options to include all manufacturer options for this model including alternative fuel chose equipment (CNG, LPG, Hybrid, etc.)
258	Kenworth	Kenworth Model T660	**Kenworth Model T660 -** Class 8, 33,001+ lb. GVWR, Conventional Cab, PACCAR MX-13 Diesel Engine, complete with all manufacturer's standard equipment.	$ No BID		Per section II you must attach a serperate sheet with upgrade options to include all manufacturer options for this model including alternative fuel chose equipment (CNG, LPG, Hybrid, etc.)

PROPOSAL NOTE:

1. * Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.

BuyBoard Cooperative Purchasing

Proposal Invitation No. 521-16 Vehicles, Heavy Duty Trucks, Police Motorcyles, Parts, and Service Labor

*ALL COLUMNS MUST BE COMPLETED OR PROPOSAL WILL NOT BE CONSIDERED

Item No.	Specified Brand or Equal	Short Description	Full Description	Base Model Price	State Brand and Model	Vehicle Options
259	Kenworth	Kenworth Model T680	**Kenworth Model T680 -** Class 8, 33,001+ lb. GVWR, Conventional Cab, PACCAR MX-13 Diesel Engine, complete with all manufacturer's standard equipment.	$ No BID		Per section II you must attach a serperate sheet with upgrade options to include all manufacturer options for this model including alternative fuel chose equipment (CNG, LPG, Hybrid, etc.)
260	Kenworth	Kenworth Model T700	**Kenworth Model T700 -** Class 8, 33,001+ lb. GVWR, Conventional Cab, PACCAR MX-13 Diesel Engine, complete with all manufacturer's standard equipment.	$ No BID		Per section II you must attach a serperate sheet with upgrade options to include all manufacturer options for this model including alternative fuel chose equipment (CNG, LPG, Hybrid, etc.)
261	Kenworth	Kenworth Model T800	**Kenworth Model T800 -** Class 8, 33,001+ lb. GVWR, Conventional Cab, PACCAR MX-13 Diesel Engine, complete with all manufacturer's standard equipment.	$ 82,251.00	Kenworth T800 CLS 8	Per section II you must attach a serperate sheet with upgrade options to include all manufacturer options for this model including alternative fuel chose equipment (CNG, LPG, Hybrid, etc.)

PROPOSAL NOTE:

1. * Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.

BuyBoard Cooperative Purchasing

Proposal Invitation No. 521-16 Vehicles, Heavy Duty Trucks, Police Motorcyles, Parts, and Service Labor

*ALL COLUMNS MUST BE COMPLETED OR PROPOSAL WILL NOT BE CONSIDERED

Item No.	Specified Brand or Equal	Short Description	Full Description	Base Model Price	State Brand and Model	Vehicle Options
262	Kenworth	Kenworth Model T800W	**Kenworth Model T800W -** Class 8, 33,001+ lb. GVWR, Conventional Cab, Cummins ISX12 Diesel Engine, complete with all manufacturer's standard equipment.	$ No BID		Per section II you must attach a serperate sheet with upgrade options to include all manufacturer options for this model including alternative fuel chose equipment (CNG, LPG, Hybrid, etc.)
263	Kenworth	Kenworth Model T880	**Kenworth Model T880 -** Class 8, 33,001+ lb. GVWR, Conventional Cab, PACCAR MX-13 Diesel Engine, complete with all manufacturer's standard equipment.	$ 84,687.00		Per section II you must attach a serperate sheet with upgrade options to include all manufacturer options for this model including alternative fuel chose equipment (CNG, LPG,
264	Kenworth	Kenworth Model T800SH	**Kenworth Model T800SH -** Class 8, 33,001+ lb. GVWR, Conventional Cab, Short Hood, PACCAR MX-13 Diesel Engine, complete with all manufacturer's standard equipment.	$ 82,349.00	Kenworth T800 SH CLS 8	Per section II you must attach a serperate sheet with upgrade options to include all manufacturer options for this model including alternative fuel chose equipment (CNG, LPG, Hybrid, etc.)
265	Kenworth	Kenworth Model T800TS	**Kenworth Model T800TS -** Class 8, 33,001+ lb. GVWR, Conventional Cab, Twin Steer, Cummins ISX12 Diesel Engine, complete with all manufacturer's standard equipment.	$ No BID	Kenworth T880 CLS 8	Per section II you must attach a serperate sheet with upgrade options to include all manufacturer options for this model including alternative fuel chose equipment (CNG, LPG, Hybrid, etc.)
266	Kenworth	Kenworth Model W900B	**Kenworth Model W900B -** Class 8, 33,001+ lb. GVWR, Conventional Cab, PACCAR MX-13 Diesel Engine, complete with all manufacturer's standard equipment.	$ No BID		Per section II you must attach a serperate sheet with upgrade options to include all manufacturer options for this model including alternative fuel chose equipment (CNG, LPG

PROPOSAL NOTE:

1. * Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.

BuyBoard Cooperative Purchasing

Proposal Invitation No. 521-16 Vehicles, Heavy Duty Trucks, Police Motorcyles, Parts, and Service Labor

*ALL COLUMNS MUST BE COMPLETED OR PROPOSAL WILL NOT BE CONSIDERED

Item No.	Specified Brand or Equal	Short Description	Full Description	Base Model Price	State Brand and Model	Vehicle Options
267	Kenworth	Kenworth Model W900L	**Kenworth Model W900L -** Class 8, 33,001+ lb. GVWR, Conventional Cab, Extended Hood, Cummins ISX15 Engine, complete with all manufacturer's standard equipment.	$ No BID		Per section II you must attach a serperate sheet with upgrade options to include all manufacturer options for this model including alternative fuel chose equipment (CNG, LPG, Hybrid, etc.)
268	Kenworth	Kenworth Model W900S	**Kenworth Model W900S -** Class 8, 33,001+ lb. GVWR, Conventional Cab, Bridge Formula Mixer, PACCAR MX-13 Diesel Engine, complete with all manufacturer's standard equipment.	$ No BID		Per section II you must attach a serperate sheet with upgrade options to include all manufacturer options for this model including alternative fuel chose equipment (CNG, LPG, Hybrid, etc.)

Section II: Kenworth Model Vehicles OPTIONS and EQUIPMENT- Options will be selected by the Cooperative member at the time of order. A COMPLETE LIST OF ALL OPTIONS AND EQUIPMENT MUST BE SUBMITTED WITH PROPOSAL FOR PROPOSAL TO BE CONSIDERED!

Item No.	Specified Brand or Equal	Short Description	Full Description	State Percent (%) of Discount off Catalog/Pricelist	State Name of Catalog/Pricelist	Vehicle Options
269	Original Equipment Manufacturer (OEM) Options	Discount (%) off Original Equipment Manufacturer (OEM) Options	Discount (%) off all Original Equipment Manufacturer (OEM) Options.	10 %		Per section II you must attach a serperate sheet with upgrade options to include all manufacturer options for this model including alternative fuel chose equipment (CNG, LPG, Hybrid, etc.)

PROPOSAL NOTE:

1. * Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.

Proposal Invitation No. 521-16 Vehicles, Heavy Duty Trucks, Police Motorcyles, Parts, and Service Labor

*ALL COLUMNS MUST BE COMPLETED OR PROPOSAL WILL NOT BE CONSIDERED

Item No.	Specified Brand or Equal	Short Description	Full Description	State Percent (%) of Discount off Catalog/Pricelist	State Name of Catalog/Pricelist	Vehicle Options
270	Third Party (not OEM) and Unpublished Options	Discount (%) off Third Party (not OEM) and Unpublished Options	Discount (%) off Third Party (not OEM) and Unpublished Options and Equipment.	10 %		Per section II you must attach a serperate sheet with upgrade options to include all manufacturer options for this model including alternative fuel chose equipment (CNG, LPG, Hybrid, etc.)
271	Program Vehicles	Discount (%) off Program Vehicles (Lease and/or Pre-Owned)	Discount (%) off for all Program Vehicles (Lease and/or Pre-Owned).	15 %		Per section II you must attach a serperate sheet with upgrade options to include all manufacturer options for this model including alternative fuel chose equipment (CNG, LPG, Hybrid, etc.)
Item No.	**Specified Brand or Equal**	**Short Description**	**Full Description**	**State Percent (%) of Discount off Catalog/Pricelist**	**State Name of Catalog/Pricelist**	**Vehicle Options**
272	Original Equipment Manufacturer (OEM) Parts	Discount (%) off OEM Parts	Discount (%) off Original Equipment Manufacutrer (OEM) Parts.	15 %		

PROPOSAL NOTE:

1. * Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.

Proposal Invitation No. 521-16 Vehicles, Heavy Duty Trucks, Police Motorcyles, Parts, and Service Labor

*ALL COLUMNS MUST BE COMPLETED OR PROPOSAL WILL NOT BE CONSIDERED

Item No.	Specified Brand or Equal	Short Description	Full Description	State Percent (%) of Discount off Catalog/Pricelist	State Name of Catalog/Pricelist	Vehicle Options
273	Floor Plan Insurance	Discount (%) off Floor Plan Insurance	Discount (%) off Floor Plan Insurance (dealer inventory vehicles and upfitting vehicles).	20 %		
274	Lot Insurance	Discount (%) off Lot Insurance	Discount (%) off Lot Insurance (dealer inventory vehicles and upfitting vehicles).	20 %		
275	Extended Service Maintenance Agreements.	Discount (%) off Extended Service Maintenance Agreements.	Discount (%) off Extended Service Maintenance Agreements.	15 %		

PROPOSAL NOTE:

1. * Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.

BuyBoard Cooperative Purchasing

Proposal Invitation No. 521-16 Vehicles, Heavy Duty Trucks, Police Motorcyles, Parts, and Service Labor

*ALL COLUMNS MUST BE COMPLETED OR PROPOSAL WILL NOT BE CONSIDERED

Section III: KENWORTH MODEL VEHICLES HOURLY LABOR RATE FOR REPAIR/SERVICE OF VEHICLES AND DELIVERY FEES

Item No.	Specified Brand or Equal	Short Description	Full Description	Hourly Labor Rate and Delivery Fee	Detailed Information on Hourly Labor Rate and Delivery Fee	Exceptions to Hourly Labor Rate and Delivery Fee
276	Repair/Service	Not to Exceed Hourly Labor Rate for Repair/ Service	**Hourly Labor Rate for Repair/Service of Vehicle -** State the **Not to Exceed** hourly labor rate for Installation/Repair Service.	$ 124.00		
277	Delivery Fees	Per Mile Delivery Fee for Vehicles	**Per Mile Delivery Fee for Vehicles -** State the per mile delivery fee for Vehicles.	$ 1.75 /Per Mile		

PROPOSAL NOTE:

1. * Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.

Control No. 242274

Texas Department
of Motor Vehicles
MOTOR VEHICLE DIVISION

FRANCHISED MOTOR VEHICLE DEALER

FRANCHISE NO: D119774
GENERAL DISTINGUISHING NO: P4476 Motor Vehicle Dealer

TEXAS KENWORTH COMPANY
MHC KENWORTH DALLAS
PO BOX 560049
DALLAS, TX 75356-0049

EXPIRES: 02/28/2017
PHYSICAL LOCATION:
4040 IRVING BLVD
DALLAS, TX 75247-5800

THIS DEALERSHIP IS LICENSED TO ONLY SELL THE FOLLOWING LINE(S) OF NEW MOTOR VEHICLES:
KENWORTH HEAVY DUTY TRUCK-HT, KENWORTH MEDIUM DUTY TRUCK-MT

ADDITIONAL LOCATION(S): For used vehicle sales only

HAVING SATISFIED THE APPLICABLE REQUIREMENTS OF CHAPTER 2301 OF THE TEXAS OCCUPATIONS CODE, CHAPTER 503 OF THE TEXAS TRANSPORTATION CODE, AND THE RULES OF THE BOARD, THE PERSON NAMED ABOVE IS HEREBY LICENSED WITH THE TEXAS DEPARTMENT OF MOTOR VEHICLES, MOTOR VEHICLE DIVISION.

Daniel Avitia

Daniel Avitia, Director
Texas Department of Motor Vehicles
Motor Vehicle Division

WARNING: PENAL CODE SECTION 37.10, PROVIDES THAT TAMPERING WITH A GOVERNMENTAL RECORD IS AN OFFENSE PUNISHABLE AS A SECOND-DEGREE FELONY.

MVD-200 (REV. 12/2012)

BuyBoard®
Cooperative Purchasing
12007 Research Boulevard · Austin, Texas 78759-2439
PH: 800-695-2919 · FAX: 800-211-5454 · www.vendor.buyboard.com

THE LOCAL GOVERNMENT PURCHASING COOPERATIVE
ADDENDUM NO. 1

Proposal Invitation No. 521-16
Vehicles, Heavy Duty Trucks, Police Motorcycles, Parts and Service Labor

The following information becomes a permanent part of the Proposal Invitation document:

PROPOSER'S AGREEMENT AND SIGNATURE FORM:

Contract Time Period: December 1, 2016 through November 30, 2017 with two (2) possible one-year renewals.

Proposal Opening Date and Time: September 1, 2016 at 2:00 P.M.

Anticipated Cooperative Board Meeting Date: October 2016

Please sign and return one copy of the addendum with proposal as verification of receipt and compliance with addendum information.

Company Name: MHC Kenworth

Address: 4040 Irving Blvd.

Signature of Authorized Company Official: Randy Smith Title: New Truck Sales

Telephone Number: 214-920-7306 Date: 8-29-16

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THE LOCAL GOVERNMENT PURCHASING COOPERATIVE
ADDENDUM NO. 2

Proposal Invitation No. 521-16
Vehicles, Heavy Duty Trucks, Police Motorcycles, Parts and Service Labor

The following information becomes a permanent part of the Proposal Invitation document.

PROPOSAL SPECIFICATIONS:

For the following manufacturers, the detailed specifications for base model vehicles have been revised and updated.

- Chevrolet and GMC Detailed Specifications
- Chrysler, Dodge and Jeep Detailed Specifications
- Freightliner Detailed Specifications

The above referenced detailed specifications are available and should be downloaded at www.buyboard.com/vendor. Please download the **"UPDATED"** copy of the detailed specifications and disregard the previous version provided.

Please sign and return one copy of the addendum with proposal as verification of receipt and compliance with addendum information.

Company Name: MHC Kenworth

Address: 4040 Irving Blvd.

Signature of Authorized Company Official: Randy Smith Title: New Truck Sales

Telephone Number: 214-920-7306 Date: 8-29-16

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THE LOCAL GOVERNMENT PURCHASING COOPERATIVE
ADDENDUM NO. 3

Proposal Invitation No. 521-16
Vehicles, Heavy Duty Trucks, Police Motorcycles, Parts, and Service Labor

The following information becomes a permanent part of the Proposal Invitation document.

PROPOSAL SPECIFICATIONS:

For the following manufacturers, the detailed specifications for base model vehicles have been revised and updated.

1. **Chevrolet** - detailed specifications have been revised to include line items No. 454, 455, and 456. These line items are included on page 2 of Addendum No. 3.

2. **Crane Carrier** - detailed specifications are available and should be downloaded at www.buyboard.com/vendor. Please download the **"UPDATED"** copy of the detailed specifications and disregard the previous version provided.

Please sign and return one copy of the addendum with proposal as verification of receipt and compliance with addendum information.

Company Name: MHC Kenworth

Address: 4040 Irving Blvd.

Signature of Authorized Company Official: Randy Smith Title: New Truck Sales

Telephone Number: 214-920-7306 Date: 8-29-16

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THE LOCAL GOVERNMENT PURCHASING COOPERATIVE
ADDENDUM NO. 4

Proposal Invitation No. 521-16
Vehicles, Heavy Duty Trucks, Police Motorcycles, Parts, and Service Labor

The following information becomes a permanent part of the Proposal Invitation document.

PROPOSAL SPECIFICATIONS:

For the following manufacturers, the detailed specifications for base model vehicles have been revised and updated.

1. **Toyota** - detailed specifications have been revised to include line items No. 469. This line item is included on page 2 of Addendum No. 4.

Please sign and return one copy of the addendum with proposal as verification of receipt and compliance with addendum information.

Company Name: MHC Kenworth

Address: 4040 Irving Blvd.

Signature of Authorized Company Official: Randy Smith Title: New Truck Sales

Telephone Number: 214-920-7306 Date: 8-29-16

KENWORTH
A PACCAR COMPANY

Kenworth Truck Company
P.O. Box 1000
Kirkland, Washington 98083-1000
(425) 828-5000

August 29, 2016

VIA E-MAIL

MHC Kenworth - Dallas
Attn: Nick Vermet
4040 Irving Boulevard
Dallas, TX 75247

To Whom It May Concern:

Notice is hereby given that Kenworth Truck Company, a division of PACCAR Inc, has approved the appointment of Texas Kenworth Co. ("DEALER"), a corporation duly incorporated in the State of Texas and doing business as MHC Kenworth - Dallas, as its sole distributor operating out of an authorized KENWORTH facility for the sale and servicing of KENWORTH trucks and tractors, and the sale of parts and accessories manufactured by or for KENWORTH and/or PACCAR Parts, a division of PACCAR Inc in the following non-exclusive Area of Primary Marketing Responsibility (APMR):

The counties of **Collin, Dallas,** and **Lamar** in the State of Texas.

Name of Dealership: MHC Kenworth - Dallas
4040 Irving Boulevard
Dallas, TX 75247

Vehicle-Line makes: Kenworth Heavy-Duty Trucks (Class 8)
Kenworth Medium-Duty Trucks (Class 5, Class 6 & Class 7)

Dealership Effective Date: May 21, 1979

The above dealership is similarly authorized to sell KENWORTH trucks, tractors and parts outside their non-exclusive APMR in accordance with the terms and conditions of their current Kenworth Dealer Sales and Service Agreement effective February 28, 2015.

If any additional information is required please contact me at (425) 828-5788.

Sincerely,

Sean D. Edwards
Director of Network Development
Kenworth Truck Company

October 8, 2019

Brian Maxwell, City Manager
Honorable Mayor and City Council Members

Subject: Consider for the approval allowing the Fleet Facility to purchase the listed rolling stock (dozer & loader) and associated equipment from Mustang Cat through HGAC Buy for a total price of $233,914.80 and authorize the City Manager to execute the contract upon final approval by the City Attorney.

I. Background

A. Funding for new equipment has been earmarked for the listed department(s).

B. Buy Board, HGAC Buy and TXMAS are cooperative purchasing organizations that the city is a member of that performs bidding packages for local governments. The Fleet Facility has performed competitive bidding packages on current equipment purchases to assure that these purchases are the better option a majority of the time.

C. The requested vehicle descriptions and their assignments are listed below.

D. The extended purchase price for this package is $233,914.80.

E. Mustang Cat is located in Houston Texas.

F. Delivery should be within 60 days from date of the purchase order issue. These items have to be delivered during the current fiscal year, and the dealer can support this request.

G. Additional equipment will be added by the dealer that was specified in the specification process as requested by the department.

II. Current Situation

The City Council will have to approve allowing the Fleet Facility to purchase the listed rolling stock and associated equipment from Mustang Cat through HGAC Buy for a total price of

$233,914.80 and authorize the City Manager to execute the contract upon final approval by the City Attorney.

III. Alternatives in order of priority

A. City Council approves the purchase.

1. Cost - $233,914.80
2. Timing - Delivery should be within 60 days.
3. Divisional Improvements - Will provide the city with needed equipment to perform duties. Newer equipment will reduce fleet operational costs and will improve operations.

B. City Council does not approve the purchase.

1. Cost - No additional cost at this time.
2. Timing - N/A
3. Divisional Improvements - City staff will not be able to function without needed equipment. Older equipment will take on a heavier load, which will increase operational costs. Operations will slow.

IV. Recommendation

Concur in Alternative A and approve allowing the Fleet Facility to purchase the listed rolling stock and associated equipment from Mustang Cat through HGAC Buy for a total price of $233,914.80 and authorize the City Manager to execute the contract upon final approval by the City Attorney.

V. Fiscal Impact Report

Requested by	David Smith Executive Director
Cost	$233,914.80

Funding Source	MU Collections and Distribution Capital Outlay
Savings Estimation	Will help reduce unit repair costs on the older fleet vehicles and will assist with improving services.

VI. Environmental Impact

All listed vehicles are produced under current EPA standards.

Respectfully Submitted

David Smith
Executive Director

City of Galveston

Fleet Facility

COST BREAKDOWN

Requested Purchase

Item	Division	Count	Make	Model	Cost	Funding
1	Collections	1	Cat	299D3 Compact Track Loader	$ 82,501.52	Cap Fund
2	Distribution	1	Cat	D5K2 LGP Tractor Dozer	$ 151,413.28	Cap Fund
					$ 233,914.80	

MUSTANG CAT

LET'S WORK TOGETHER

Machine Sales Quotation

Reference# 22189-13

October 2, 2019

DAVID SMITH
CITY OF GALVESTON
PO BOX 779
GALVESTON, 77553

Mustang CAT Sales Representative
Stuart Newton
Mobile: 832-540-9086
SNewton@mustangcat.com

Mr. SMITH,

Thank you for considering Mustang CAT. Our proposed solution for your needs is summarized below with additional detail on the following page or pages. Please review this proposal thoroughly. Our recommended solution is based on our current understanding of your requirements. Please contact me if your requirements have changed or if you have any questions about the products and services we are recommending.

We hope to earn your business and look forward to working with you. When you are ready to move forward, please sign and date on the bottom of page one and return it to me.

Mustang CAT recommended solution for 938M & TL642D

CAT Machines

299D3 CAHF	299D3 COMPACT TRACK LOADER (pre-tax)	$82,311.71

Total Investment (pre-tax): $82,311.71

Accepted by:

Printed Name

Date

Customer Signature

Model:	299D3 CAHF
Serial No.:	19NE3119

ARRANGEMENT

OPTION	DESCRIPTION	LIS
5124299	299D3 COMPACT TRACK LOADER	$87,930.00
5772334	CAB PACKAGE, ULTRA	$15,120.00
5124089	DEBRIS MGMT PKG, NONE (DM0)	
3897672	TRACK,RUBBER,450MM(17.7IN)BLCK	$ 665.00
5685614	BATTERY,HD,DISCONNECT, 850 CCA	$ 125.00
3566082	REAR LIGHTS	
5426994	SEAT BELT, 2''	
5738121	PRODUCT LINK, CELLULAR PL641	$ 468.00
3454910	QUICK COUPLER, MANUAL	
5631163	CERTIFICATION ARR, P65	
5124284	INSTRUCTIONS, ANSI, USA	
4218926	SERIALIZED TECHNICAL MEDIA KIT	
4359238	FILM, SELF LEVEL, ANSI	
	MACHINE LIST PRICE:	$104,308.00

ATTACHMENTS

0P9002	LANE 2 ORDER	
0P2266	SHIPPING/STORAGE PROTECTION	$ 287.50
0P0210	PACK, DOMESTIC TRUCK	
0P0096	SSL 72 BKT	$1,744.44
	ATTACHMENTS LIST	$2,031.94

HGACBuy
THE SMART PURCHASING SOLUTION

List Price FOB Factory:	$106,339.94
Dealer Discount:	**($24,028.23)**
Make Ready:	Included
Factory Freight:	Included
Warranty:	Included
Total Trade-In:	N/A
Subtotal:	$82,311.71
Sales Tax:	N/A
Heavy Equipment Fee:	$ 189.81
Diesel Surcharge:	N/A
Document Fee:	N/A
Total Sale Price:	$82,501.52

PHOTO TO COME

Cat®
289D3

COMPACT TRACK LOADER

PRELIMINARY

FEATURES:

The Cat® 289D3 Compact Track Loader, with its vertical lift design, delivers extended reach and lift height for quick and easy truck loading. Its standard, suspended undercarriage system provides superior traction, flotation, stability and speed to work in a wide range of applications and underfoot conditions. The 289D3 features the following:

- **Industry leading sealed and pressurized cab option** provides a cleaner and quieter operating environment with excellent work tool visibility.
- **Available high-back, heated, air ride seat with seat mounted adjustable joystick controls** makes the D3 Series the industry leader in operator comfort.
- **High performance power train** provides maximum performance and production capability through the Electronic Torque Management system, standard two speed travel and an industry exclusive electronic hand/foot throttle with decel pedal capability.
- **High Flow XPS hydraulic system** is available for applications that demand maximum hydraulic work tool performance.
- **Electronically controlled Cat C3.3B engine** provides high horsepower and torque while meeting U.S. EPA Tier 4 Final and EU Stage V emission standards.
- **Cat "Intelligent Leveling" system** provides industry leading technology, integration, and available features such as dual direction self level, work tool return to dig, and work tool positioner.
- **Standard fully independent torsion axle suspension** combined with the optional Speed Sensitive Ride Control system improves operation on rough terrain, enabling better load retention, increased productivity and greater operator comfort.
- **Maximize machine capability and control** with optional Advanced Display providing on-screen adjustments for implement response, hystat response and creep control. Also features multi-language functionality with customizable layouts, security system and rearview camera.
- **Ground level access** to all daily service and routine maintenance points helps reduce machine downtime for greater productivity.
- **Broad range of performance matched Cat Work Tools** make the Cat Compact Track Loader the most versatile machine on the job site.

Specifications

Engine

Engine Model	Cat C3.3B DIT (turbo)	
Gross Power SAE J1995	55.4 kW	74.3 hp
Net Power SAE 1349	54.4 kW	72.9 hp
Net Power ISO 9249	54.9 kW	73.7 hp
Peak Torque at 1,500 rpm SAE J1995	265 N·m	195 lbf-ft
Displacement	3.3 L	203 in^3
Stroke	120 mm	4.7 in
Bore	94 mm	3.7 in

Weights*

Operating Weight	4778 kg	10,533 lb

*Operating Weight, Operating Specifications and Dimensions all based on 75 kg (165 lb) operator, all fluids, two speed, OROPS, 2036 mm (80 in) low profile bucket, 400 mm (15.7 in) tracks, dual flange front idler/ single flange rear idler, standard flow hydraulics, mechanical suspension seat, no optional counterweights and manual quick coupler (unless otherwise noted).

Power Train

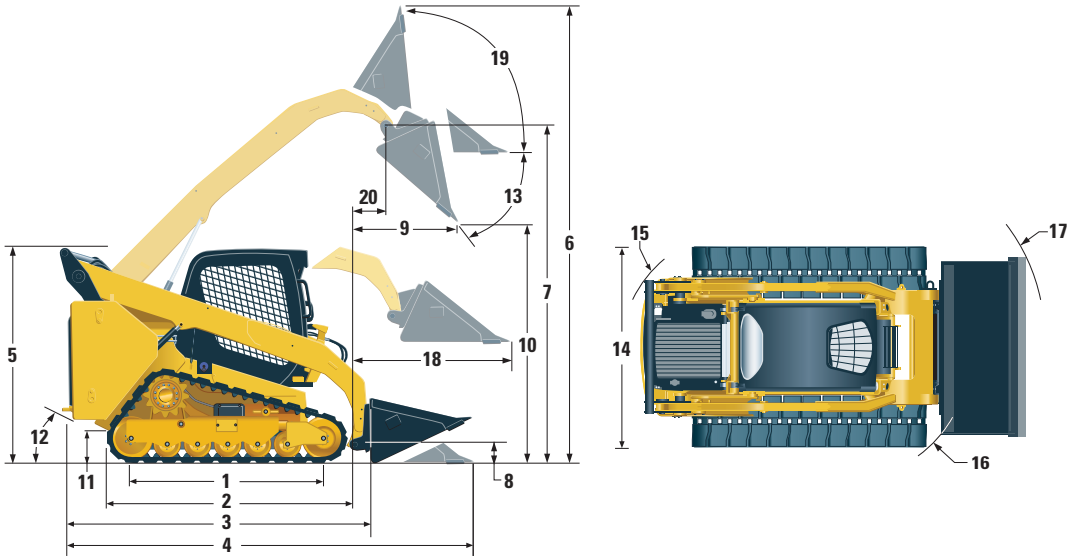
Travel Speed (Forward or Reverse):		
One Speed	7.2 km/h	4.5 mph
Two Speed	13.3 km/h	8.3 mph

Hydraulic System

Hydraulic Flow – Standard:		
Loader Hydraulic Pressure	23 000 kPa	3,335 psi
Loader Hydraulic Flow	86 L/min	23 gal/min
Hydraulic Power (calculated)	33 kW	44 hp
Hydraulic Flow – High Flow XPS:		
Maximum Loader Hydraulic Pressure	28 000 kPa	4,061 psi
Maximum Loader Hydraulic Flow	121 L/min	32 gal/min
Hydraulic Power (calculated)	57 kW	76 hp

CAT®

289D3 Compact Track Loader



Dimensions*

1	Length of Track on Ground	1630 mm	64.2 in	**11**	Ground Clearance	226 mm	8.9 in
2	Overall Length of Track	2129 mm	83.8 in	**12**	Departure Angle	33°	
3	Length without Bucket	2995 mm	117.9 in	**13**	Maximum Dump Angle	51°	
4	Length with Bucket on Ground	3714 mm	146.2 in	**14**	Vehicle Width (450 mm/17.7 in tracks)	1981 mm	78.0 in
5	Height to Top of Cab	2113 mm	83.2 in	**15**	Turning Radius from Center – Machine Rear	1796 mm	70.7 in
6	Maximum Overall Height	4015 mm	158.1 in	**16**	Turning Radius from Center – Coupler	1410 mm	55.5 in
7	Bucket Pin Height at Maximum Lift	3178 mm	125.1 in	**17**	Turning Radius from Center – Bucket	2256 mm	88.8 in
8	Bucket Pin Height at Carry Position	190 mm	7.5 in	**18**	Maximum Reach with Arms Parallel to Ground	1270 mm	50.0 in
9	Reach at Maximum Lift and Dump	761 mm	30.0 in	**19**	Rack Back Angle at Maximum Height	84°	
10	Clearance at Maximum Lift and Dump	2387 mm	94.0 in	**20**	Bucket Pin Reach at Maximum Lift	369 mm	14.5 in

Operating Specifications*

Rated Operating Capacity:		
35% Tipping Load	1207 kg	2,660 lb
50% Tipping Load	1724 kg	3,800 lb
Rated Operating Capacity with Optional Counterweight	1837 kg	4,050 lb
Tipping Load	3447 kg	7,600 lb
Breakout Force, Tilt Cylinder	3307 kg	7,291 lb
Ground Contact Area (400 mm/15.7 in track)	1.30 m^2	2,015 in^2
Ground Contact Area (450 mm/17.7 in track)	1.47 m^2	2,272 in^2
Ground Pressure (400 mm/15.7 in track)	36.1 kPa	5.2 psi
Ground Pressure (450 mm/17.7 in track)	32.0 kPa	4.6 psi

Cab

ROPS	ISO 3471:2008
FOPS	ISO 3449:2005 Level I

Service Refill Capacities

Cooling System	14 L	3.7 gal
Engine Crankcase	11 L	3.0 gal
Fuel Tank	105 L	27.7 gal
Hydraulic System	52 L	13.7 gal
Hydraulic Tank	39 L	10.3 gal

Noise Level

Inside Cab**	83 dB(A)
Outside Cab***	103 dB(A)

- Cab and Rollover Protective Structures (ROPS) are standard in North America and Europe.

**The declared dynamic operator sound pressure levels per ISO 6396:2008. The measurements were conducted with the cab doors and windows closed and at 70% of the maximum engine cooling fan speed. The sound level may vary at different engine cooling fan speeds.

***The labeled sound power level for the CE marked configurations when measured according to the test procedure and conditions specified in 2000/14/EC.

Air Conditioning System (if equipped)

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.0 kg of refrigerant which has a CO_2 equivalent of 1.430 metric tonnes.

MANDATORY EQUIPMENT

- Hydraulics, Standard or High Flow XPS
- Quick Coupler, Mechanical or Powered
- High Visibility Seat Belt, 50 mm (2 in) or 75 mm (3 in)
- Steel Imbed Rubber Track – 400 mm (15.7 in) or 450 mm (17.7 in)
- Dual Flange Front Idler/Single Flange Rear Idler or Triple Flange Front/Rear Idlers

PERFORMANCE PACKAGES

- Performance Package H1: *Standard Flow Hydraulics (No Self Level)*
- Performance Package H2: *Standard Flow, Dual Direction Electronic Self Level (Raise and Lower), Work Tool Return to Dig, Work Tool Positioner, and Electronic Snubbing (Raise and Lower)*
- Performance Package H3: *High Flow XPS, Dual Direction Electronic Self Level (Raise and Lower), Work Tool Return to Dig, Work Tool Positioner, and Electronic Snubbing (Raise and Lower)*

COMFORT PACKAGES

- Open ROPS (C0): *Static Seat (No Foot Throttle, Headliner, Heater or Door)*
- Open ROPS (C1): *Foot Throttle, Headliner, Cup Holder, and choice of Seat (Mechanical Suspension or High Back, Heated, Air Ride Seat) (No Heater or Door)*
- Enclosed ROPS with Heater (C2): *Foot Throttle, Headliner, Heater and Defroster, Side Windows, Cup Holder, Radio Ready, choice of Seat (Mechanical Suspension or High Back, Heated, Air Ride Seat) and Door (Glass or Polycarbonate)*
- Enclosed ROPS with A/C (C3): *C2 + Air Conditioner*

STANDARD EQUIPMENT

ELECTRICAL

- 12 volt Electrical System
- 80 ampere Alternator
- Ignition Key Start/Stop Switch
- Lights: *Gauge Backlighting, Two Rear Tail Lights, Two Rear Halogen Working Lights, Two Adjustable Front Halogen Lights, Dome Light*
- Backup Alarm
- Heavy Duty Battery, 850 CCA

OPERATOR ENVIRONMENT

- Advanced Display with Rearview Camera: *Full Color, 127 mm (5 in) LCD screen; Advanced Multi-operator Security System; On-screen Adjustments for Implement Response, Hystat Response and Creep Control*
- Gauges: *Fuel Level, Hour Meter*
- Operator Warning System Indicators: *Air Filter Restriction, Alternator Output, Armrest Raised/Operator Out of Seat, Engine Coolant Temperature, Engine Oil Pressure, Glow Plug Activation, Hydraulic Filter Restriction, Hydraulic Oil Temperature, Park Brake Engaged, Engine Emission System*
- Adjustable Vinyl Seat
- Fold In Ergonomic Contoured Armrest
- Control Interlock System, when operator leaves seat or armrest raised: *Hydraulic System Disables, Hydrostatic Transmission Disables, Parking Brake Engages*
- ROPS Cab, Open, Tilt Up
- FOPS, Level I
- Top and Rear Windows
- Floor Mat
- Interior Rearview Mirror
- 12 volt Electric Socket
- Horn
- Hand (Dial) Throttle, Electronic
- Adjustable Joystick Controls
- Anti-theft Security System with 6-button Keypad
- Storage Compartment with Netting

POWER TRAIN

- Cat C3.3B, Turbo Diesel Engine, Meeting Tier 4 Final and Stage V Emission Standards
- Air Cleaner, Dual Element, Radial Seal
- S·O·S℠ Sampling Valve, Hydraulic Oil
- Filters, Cartridge-type, Hydraulic
- Filters, Canister-type, Fuel and Water Separator
- Radiator/Hydraulic Oil Cooler (side-by-side)
- Spring Applied, Hydraulically Released, Wet Multi Disc Parking Brakes
- Hydrostatic Transmission, Two Speed Travel
- Suspension – Independent Torsion Axles (4)

OTHER

- Engine Enclosure, Lockable
- Extended Life Antifreeze, –37° C (–34° F)
- Machine Tie Down Points (6)
- Support, Lift Arm
- Hydraulic Oil Level Sight Gauge
- Radiator Coolant Level Sight Gauge
- Radiator, Expansion Bottle
- Cat ToughGuard™ Hose
- Auxiliary, Hydraulics, Continuous Flow
- Heavy Duty, Flat Faced Quick Disconnects with Integrated Pressure Release
- Split D-Ring to Route Work Tool Hoses Along Side of Left Lift Arm
- Electrical Outlet, Beacon
- Belly Pan Cleanout
- Variable Speed Demand Fan
- Product Link™ PL240, Cellular

289D3 Compact Track Loader

OPTIONAL EQUIPMENT

- Hand-Foot Style Controls
- External Counterweights
- Beacon, Rotating
- Engine Block Heater – 120V
- Oil, Hydraulic, Cold Operation
- Paint, Custom
- Heavy Duty Battery, 1,000 CCA
- Product Link PL641, Cellular
- Ride Control
- Bluetooth® Radio with Microphone (AM/FM/Weather Band Receiver with USB and Auxiliary Input Jack)

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at **www.cat.com**

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AEHQ8200 (05-2019)
(Am North, EU, APD, ANZP)

MUSTANG CAT

LET'S WORK TOGETHER

Machine Sales Quotation

Reference# 22189-11

October 2, 2019

DAVID SMITH
CITY OF GALVESTON
PO BOX 779
GALVESTON, 77553

Mustang CAT Sales Representative
Stuart Newton
Mobile: 832-540-9086
SNewton@mustangcat.com

Mr. SMITH,

Thank you for considering Mustang CAT. Our proposed solution for your needs is summarized below with additional detail on the following page or pages. Please review this proposal thoroughly. Our recommended solution is based on our current understanding of your requirements. Please contact me if your requirements have changed or if you have any questions about the products and services we are recommending.

We hope to earn your business and look forward to working with you. When you are ready to move forward, please sign and date on the bottom of page one and return it to me.

Mustang CAT recommended solution for 938M & TL642D

CAT Machines		
D5K2LGP CA	D5K2 LGP TRACTOR (pre-tax)	$151,064.92
Warranties		
D5K2LGP CA	Warranty: 1st Year Premier/Unlimited Hours; Year 2 & 3, 5000 Hours Powertrain + Hydraulics + Tech	Included
	Total Investment (pre-tax):	**$151,064.92**

Accepted by:

Printed Name

Date

Customer Signature

Model:	D5K2LGP CA
Serial No.:	19NE2686

ARRANGEMENT

OPTION	DESCRIPTION	LIS
3974128	D5K2 LGP TRACTOR	$162,490.00
3999100	ENGINE,EPA 4F,EU IV,JAPAN 2014	
3974311	SOUND SUPPRESSION, OMISSION	
3974287	GUARD GP, REAR OMISSION	
3974387	GUARD, BELLY, LGP	
2447433	DRAWBAR, STANDARD	
2447503	NO FRONT COUNTERWEIGHT	
3974296	INSTRUCTIONS, ANSI	
4218926	SERIALIZED TECHNICAL MEDIA KIT	
3941879	RADIO PREMIUM	$ 550.00
3974265	CAB, ROPS, HEATER & A/C	$15,500.00
3934242	SEAT CLOTH	
3974285	GRILL, RADIATOR, STANDARD	
3974208	UNDERCARRIAGE, SYSTEMONE	$8,450.00
2864320	TRACK, 26'', MS, SYSTEMONE, LGP	
2823665	GUARD,TRK GUIDING,CENTER,S1	$ 855.00
3974192	HYDRAULICS, 4 VALVE, PUMP STD	$1,060.00
3941851	LIGHTS, 6	$ 314.00
5383987	GRADE W/ SA	$7,290.00
3974341	SWEEPS, FRONT	$2,425.00
3974342	SWEEPS, REAR	$1,100.00
3934250	SCREEN, REAR, CAB	$1,320.00
3974177	BLADE, D5K LGP, ACCUGRADE	$5,500.00
5225998	PRODUCT LINK, CELLULAR PLE742	
	MACHINE LIST PRICE:	$206,854.00

ATTACHMENTS

0P2266	SHIPPING/STORAGE PROTECTION	$ 287.50
0P0210	PACK, DOMESTIC TRUCK	
0P9003	LANE 3 ORDER	
	ATTACHMENTS LIST	$ 287.50

List Price FOB Factory:	$207,141.50
Dealer Discount:	**($56,076.58)**
Make Ready:	Included
Factory Freight:	Included
Warranty:	Included
Total Trade-In:	N/A
Subtotal:	$151,064.92
Sales Tax:	N/A
Heavy Equipment Fee:	$ 348.36
Diesel Surcharge:	N/A
Document Fee:	N/A
Total Sale Price:	$151,413.28

Cat®
D5K2

Track-Type Tractor

Features:

- **Slope Indicate** – New grade control feature provides you slope of blade in cross slope direction and mainfall (fore/aft) direction without having to estimate.
- **Slope Assist** – New optional grade control feature which helps you more easily achieve the desired blade mainfall and cross slope automatically.
- **Stable Blade** – New blade control feature helps you obtain a finish grade with less operator effort.
- **Automatic Traction Control** – New traction control feature automatically reduces track slip without having to lift blade providing improved productivity and reduced undercarriage wear for lower operating costs.
- **Eco Mode** – New engine throttle settings reduce fuel consumption up to 20% to save you more money.
- **Heated and Ventilated Seat** – Experience a new level of comfort in all climates with the new optional heated and ventilated air suspension seat.
- **Power Pitch Blade** – This option lets the operator easily adjust the blade pitch to optimize productivity.
- **Engine** – Cat® C4.4 ACERT™ diesel engine meets U.S. EPA Tier 4 Final/EU Stage IV/Japan 2014 (Tier 4 Final) emission standards.
- **Heated, Seat-Mounted Controls** – Heated joysticks (optional) offer even greater comfort in cold climates.
- **AccuGrade™** – Optional grade control system enables operators to cut and fill to grade with increased accuracy, minimizing the need for traditional stakes and grade checkers. Large, 177 mm (7"), AccuGrade monitor is built into the machine's dash for easy viewing during operation.
- **Undercarriage** – Choice of undercarriage to give you the lowest costs per hour. Select either the standard sealed and lubricated track (SALT) undercarriage or the innovative SystemOne™ undercarriage.

Specifications

Engine

Engine Model	Cat C4.4 ACERT	
Rated Net Power @ 2,200 rpm		
SAE J1349	77.6 kW	104 hp
ISO 9249/EEC 80/1269	77.6 kW	104 hp
Bore	105 mm	4.13 in
Stroke	127 mm	5 in
Displacement	4.4 L	269 in^3

- Engine meets Tier 4 Final/StageIV/Japan 2014 (Tier 4 Final) emission standards.

Weights

Operating Weight – XL	9214 kg	20,313 lb
Operating Weight – LGP	9522 kg	20,992 lb
Operating Weight – LGP, 762 mm/30 in	9726 kg	21,442 lb

- Specifications shown are for machine equipped with dozer blade, canopy ROPS, back-up alarm, operator, coolant, lubricants and full fuel tank.

Cab

Sound Levels:	
ISO 6396:2008	77 dB(A)
SAE J1166 FEB2008	78 dB(A)
ROPS	SAE J397-OCT95, SAE J1040-May94, ISO 3471-94, ISO 3164 2008
FOPS	SAE J231-JAN81, ISO 3449 2005 Level III

Transmission

Drive Pumps	1	
Track Motors	2	
Relief Valve Settings	48 500 kPa	7,033 psi
Maximum Travel Speed – Forward	9 km/h	5.6 mph
Maximum Travel Speed – Reverse	10 km/h	6.2 mph

Undercarriage

Number of Rollers (each side)	7	
Number of Shoes (each side) – Sealed and Lubricated Track (SALT) Undercarriage	40	
Number of Shoes (each side) – SystemOne Undercarriage	36	
Shoe Width – XL	510 mm	20 in
Shoe Width – LGP	660 mm	26 in
Shoe Width – LGP, 762 mm (30 in)	762 mm	30 in
Length of Track on Ground – XL	2310 mm	91 in
Length of Track on Ground – LGP	2310 mm	91 in
Length of Track on Ground – LGP, 762 mm (30 in)	2310 mm	91 in
Track Gauge – XL	1600 mm	63 in
Track Gauge – LGP	1750 mm	69 in
Track Gauge – LGP, 762 mm (30 in)	1860 mm	73.2 in
Ground Contact Area – XL	23 562 cm^2	3,652 in^2
Ground Contact Area – LGP	30 492 cm^2	4,726 in^2
Ground Contact Area – LGP, 762 mm (30 in)	35 574 cm^2	5,514 in^2
Ground Pressure – XL	38.6 kPa	5.6 psi
Ground Pressure – LGP	31.1 kPa	4.5 psi
Ground Pressure – LGP, 762 mm (30 in)	27.1 kPa	3.93 psi

CAT®

D5K2 Track-Type Tractor

Service Refill Capacities

Fuel Tank	195 L	51.5 gal
Crankcase and Filter	11 L	2.91 gal
Final Drives, XL (each side)	10 L	2.6 gal
Final Drives, LGP (each side)	10 L	2.6 gal
Cooling System	22.4 L	5.92 gal
Transmission/Hydraulic Tank	59.5 L	15.7 gal
Diesel Exhaust Fluid (DEF) Tank	19 L	4.9 gal

Hydraulic Controls

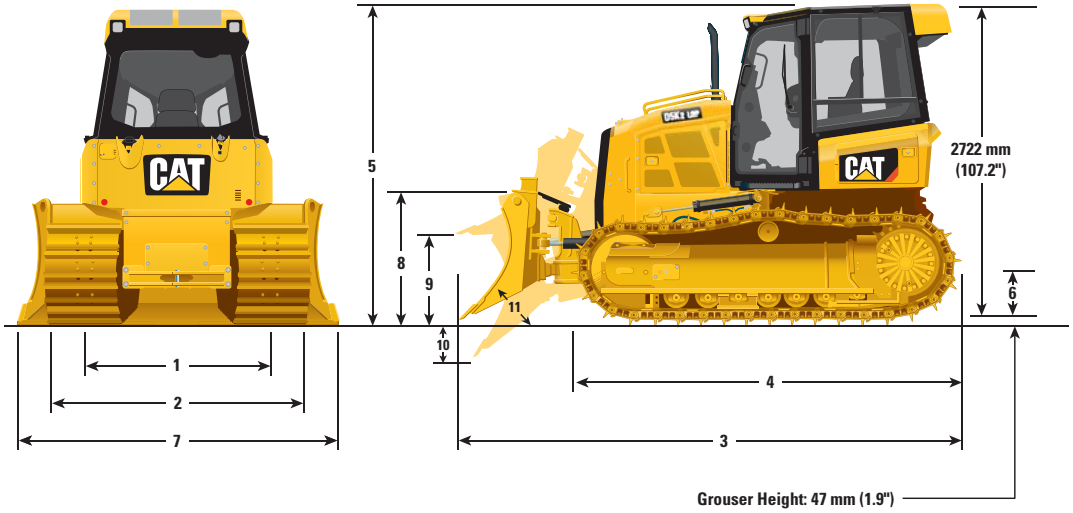
Pump Output	68.0 L/min	17.7 gal/min
Relief Valve Settings	20 600 kPa	2,988 psi

Ripper

Type	Parallelogram	
Number of Shanks	3	
Maximum Digging Depth	337.5 mm	13.3 in
Maximum Reach at Ground Line	555 mm	21.9 in
Maximum Ground Clearance Under Tip	448 mm	17.6 in
Overall Width	1710 mm	67.3 in
Height	165 mm	6.5 in
Weight	554 kg	1,222 lb

Winch

Weight	610 kg	1,345 lb
Winch Drive	Hydrostatic	
Control	Hydraulic	
Speed	Variable	
Winch Length	705 mm	27.76 in
Overall Width	741 mm	29.2 in
Drum Diameter	254 mm	10 in
Drum Width	274 mm	10.8 in
Throat Clearance	171.5 mm	6.75 in
Rope Diameter – recommended	16 mm	0.63 in
Rope Diameter – optional	19 mm	0.75 in
Drum Capacity – recommended cable	113 m	371 ft
Drum Capacity – optional cable	78 m	256 ft
Maximum Line Pull – bare drum	18 144 kg	40,000 lb
Maximum Line Pull – full drum	11 340 kg	25,000 lb
Maximum Line Speed – bare drum	40 m/min	131 ft/min
Maximum Line Speed – full drum	63 m/min	207 ft/min



Dimensions

	XL		LGP		LGP, 770 mm (30 in) shoes	
1 Track Gauge	1600 mm	63 in	1750 mm	68.9 in	1860 mm	73.2 in
2 Width of Tractor (standard shoes, no blade)	2110 mm	83.1 in	2410 mm	94.9 in	2630 mm	103.5 in
3 Overall Length (with blade)	4309 mm	170.1 in	4309 mm	169.1 in	4309 mm	169.1 in
4 Length of Basic Tractor (without blade)	3265 mm	128.5 in	3265 mm	128.5 in	3265 mm	128.5 in
5 Tractor Height	2769 mm	109 in	2769 mm	109 in	2769 mm	109 in
6 Ground Clearance	332 mm	13 in	332 mm	13 in	332 mm	13 in
BLADE	**XL**		**Intermediate**		**LGP**	
7 Blade Width	2782 mm	109.5 in	2921 mm	115 in	3220 mm	126.7 in
8 Blade Height	1073 mm	42.2 in	1010 mm	39.8 in	1010 mm	39.8 in
9 Blade Lift Height	767 mm	30.2 in	767 mm	30.2 in	767 mm	30.2 in
10 Digging Depth	586 mm	23.1 in	572 mm	22.5 in	572 mm	22.5 in
11 Blade Cutting Edge Angle, Adjustable	52° to 58°		52° to 58°		52° to 58°	
Maximum Tilt	402 mm	15.8 in	448 mm	17.6 in	448 mm	17.6 in
Maximum Angle (either side)	25°		25°		25°	
Blade Width at Maximum Angle	2636 mm	103.8 in	2669 mm	105.1 in	2940 mm	115.8 in
Blade Capacity (SAE)	2.19 m^3	2.86 yd^3	2.09 m^3	2.73 yd^3	2.34 m^3	3.06 yd^3

STANDARD EQUIPMENT

ELECTRICAL
- Alternator, 12 volt, 120 Amp, heavy duty brushless
- Alarm, backup
- Batteries (2), heavy duty, maintenance free, 2,000 CCA
- Diagnostic connector
- Horn, electric
- Lights, halogen, 2 front and 2 rear
- Starter, electric, 12 volt

OPERATOR STATION
- ROPS/FOPS canopy
- Seat, air suspended, cloth or vinyl
- Seatbelt, retractable 76 mm (3 in)
- Foot pads, dash
- Electronic Monitoring System with:
  - Gauges for engine coolant temperature, hydraulic oil temperature and fuel level
  - Travel speed limiter, electronic
  - Engine RPM and gear display
  - Hour meter, electric
  - Engine air cleaner service indicator, electronic
  - Water-in-fuel indicator, electronic
- Slope Indicate
- Throttle switch, rotary
- Eco mode
- Controls, seat mounted, fore/aft adjustment
- Armrests, adjustable
- Mirror, rearview, inside
- Single pedal combining deceleration and braking functions
- Independent forward/reverse speed settings
- Power port, 12 volt
- Coat hook
- Storage compartment
- Cup holder
- Floor mat, rubber, heavy duty

HYDRAULICS
- Hydraulics, 3 valve
- Load sensing hydraulics
- Single lever, three function control
- Hydraulic pump and oil
- Stable blade control

POWER TRAIN
- Cat C4.4 ACERT diesel engine, turbocharged, Tier 4 Final/Stage IV/ Japan 2014 (Tier 4 Final) certified with aftertreatment
- Aftercooler, Air-to-Air (ATAAC)
- Aluminum bar plate cooling system (radiator, power train)
- Air cleaner with precleaner, automatic dust ejection and under-hood intake
- Dual path, closed-loop hydrostatic transmission
- Electric fuel priming pump
- Fuel/water separator
- Automatic Traction Control

UNDERCARRIAGE
- SALT Undercarriage
- 7 roller track frame
- Track rollers, lifetime lubricated
- Carrier rollers
- Track adjusters, hydraulic
- Guards, front/rear guiding
- Master link

OTHER STANDARD EQUIPMENT
- Cat Product Link™ PL631 Satellite/PL641 Cellular
- C-Frame, VPAT, hydraulic cylinders and lines
- Lockable engine enclosures
- Front pull device
- Rigid drawbar
- Ecology drains (engine, power train and implement oil and engine coolant)
- Scheduled oil sampling ports (engine, power train implement oil)
- Vandalism protection
- Heavy duty crankcase guard

ANTIFREEZE
- Extended life coolant, –37° C (–35° F)

D5K2 Track-Type Tractor

OPTIONAL EQUIPMENT

ELECTRICAL
- Integrated four front halogen lights, two rear halogen lights

POWER TRAIN
- Drive, auxiliary
- Installation, winch

UNDERCARRIAGE
- Track Pairs, XL:
  - Track, 510 mm (20 in) MS SystemOne
- Track Pairs, LGP:
  - Track, 660 mm (26 in) MS SystemOne
  - Track, 762 mm (30 in) MS SystemOne

OPERATOR STATION
- Cab with air conditioning
- Cab, polycarbonate windows and air conditioning
- Seat, air suspension, choice of:
  - Vinyl, heated seat with heated controls
  - Cloth, heated seat with heated controls
  - Cloth, heated and ventilated seat with heated controls
- Radio, AM/FM, Bluetooth
- Sound suppression

HYDRAULICS
- Hydraulics, 4 valve for use with ripper
- Hydraulics, 4 valve for use with winch

GUARDS
- Guard, rear, heavy duty
- Grill, radiator, heavy duty
- Guard, track guiding, center
- Guard, track roller, full length
- Screen, rear, cab
- Screen, side, cab
- Screen, rear, canopy
- Screen, front and doors, canopy
- Sweeps, front
- Sweeps, rear

BLADES
- VPAT XL blade
- VPAT LGP blade
- VPAT Intermediate blade

REAR ATTACHMENTS
- Drawbar, towing
- Mounting, winch
- Ripper, parallelogram, includes three shanks and teeth

REAR ATTACHMENT CONTROL
- Control, ripper
- Control, winch
- Control, ripper and winch

MACHINE CONTROL AND GUIDANCE
- Installation, AccuGrade ready, includes Cat Grade Control Slope Assist
- Power Pitch blade control

STARTING AIDS
- Heater, engine, coolant, 120 volt
- Starting aid, ether

OTHER ATTACHMENTS
- Machine Security System

ANTIFREEZE
- Extended life coolant, –50° C (–58° F)

FIELD INSTALLED ATTACHMENT
- Winch, hydrostatic

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GENERAL PROVISIONS

This Agreement is made and entered into, by and between the Houston-Galveston Area Council hereinafter referred to as H-GAC having its principal place of business at 3555 Timmons Lane, Suite 120, Houston, Texas 77027 and Mustang Machinery Company, LLC, hereinafter referred to as the Contractor, having its principal place of business at 12800 Northwest Freeway, Houston, TX 77040.

WITNESSETH:

WHEREAS, H-GAC hereby engages the Contractor to perform certain services in accordance with the specifications of the Agreement; and

WHEREAS, the Contractor has agreed to perform such services in accordance with the specifications of the Agreement;

NOW, THEREFORE, H-GAC and the Contractor do hereby agree as follows:

ARTICLE 1: LEGAL AUTHORITY

The Contractor warrants and assures H-GAC that it possesses adequate legal authority to enter into this Agreement. The Contractor's governing body, where applicable, has authorized the signatory official(s) to enter into this Agreement and bind the Contractor to the terms of this Agreement and any subsequent amendments hereto.

ARTICLE 2: APPLICABLE LAWS

The Contractor agrees to conduct all activities under this Agreement in accordance with all applicable rules, regulations, directives, standards, ordinances, and laws, in effect or promulgated during the term of this Agreement, including without limitation, workers' compensation laws, minimum and maximum salary and wage statutes and regulations, and licensing laws and regulations. When required, the Contractor shall furnish H-GAC with satisfactory proof of its compliance therewith.

ARTICLE 3: INDEPENDENT CONTRACTOR

The execution of this Agreement and the rendering of services prescribed by this Agreement do not change the independent status of H-GAC or the Contractor. No provision of this Agreement or act of H-GAC in performance of the Agreement shall be construed as making the Contractor the agent, servant or employee of H-GAC, the State of Texas or the United States Government. Employees of the Contractor are subject to the exclusive control and supervision of the Contractor. The Contractor is solely responsible for employee related disputes and discrepancies, including employee payrolls and any claims arising therefrom.

ARTICLE 4: WHOLE AGREEMENT

The General Provisions, Special Provisions, and Attachments, as provided herein, constitute the complete Agreement ("Agreement") between the parties hereto, and supersede any and all oral and written agreements between the parties relating to matters herein. Except as otherwise provided herein, this Agreement cannot be modified without written consent of the parties.

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ARTICLE 5: SCOPE OF SERVICES

The services to be performed by the Contractor are outlined in an Attachment to this Agreement.

ARTICLE 6: PERFORMANCE PERIOD

This Agreement shall be performed during the period which begins Jun 01 2019 and ends May 31 2021. All services under this Agreement must be rendered within this performance period, unless directly specified under a written change or extension provisioned under Article 15, which shall be fully executed by both parties to this Agreement.

ARTICLE 7: PAYMENT OR FUNDING

Payment provisions under this Agreement are outlined in the Special Provisions.

ARTICLE 8: REPORTING REQUIREMENTS

If the Contractor fails to submit to H-GAC in a timely and satisfactory manner any report required by this Agreement, or otherwise fails to satisfactorily render performances hereunder, H-GAC may terminate this agreement with notice as identified in Article 16 of these General Provisions. H-GAC has final determination of the adequacy of performance and reporting by Contractor. Termination of this agreement for failure to perform may affect Contractor's ability to participate in future opportunities with H-GAC. The Contractor's failure to timely submit any report may also be considered cause for termination of this Agreement.

Any additional reporting requirements shall be set forth in the Special Provisions of this Agreement.

ARTICLE 9: INSURANCE

Contractor shall maintain insurance coverage for work performed or services rendered under this Agreement as outlined and defined in the attached Special Provisions.

ARTICLE 10: SUBCONTRACTS and ASSIGNMENTS

Except as may be set forth in the Special Provisions, the Contractor agrees not to subcontract, assign, transfer, convey, sublet or otherwise dispose of this Agreement or any right, title, obligation or interest it may have therein to any third party without prior written approval of H-GAC. The Contractor acknowledges that H-GAC is not liable to any subcontractor or assignee of the Contractor. The Contractor shall ensure that the performance rendered under all subcontracts shall result in compliance with all the terms and provisions of this Agreement as if the performance rendered was rendered by the Contractor. Contractor shall give all required notices, and comply with all laws and regulations applicable to furnishing and performance of the work. Except where otherwise expressly required by applicable law or regulation, H-GAC shall not be responsible for monitoring Contractor's compliance, or that of Contractor's subcontractors, with any laws or regulations.

ARTICLE 11: AUDIT

Notwithstanding any other audit requirement, H-GAC reserves the right to conduct or cause to be conducted an independent audit of any transaction under this Agreement, such audit may be performed by the H-GAC local government audit staff, a certified public accountant firm, or other auditors designated by H-GAC and will be conducted in accordance with applicable professional standards and practices. The Contractor understands and agrees that the Contractor shall be liable to the H-GAC for any findings that result in monetary obligations to H-GAC.

ARTICLE 12: EXAMINATION OF RECORDS

The Contractor shall maintain during the course of the work complete and accurate records of all of the Contractor's costs and documentation of items which are chargeable to H-GAC under this Agreement. H-GAC, through its staff or designated public accounting firm, the State of Texas, and United States

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Government, shall have the right at any reasonable time to inspect, copy and audit those records on or off the premises by authorized representatives of its own or any public accounting firm selected by H-GAC. The right of access to records is not limited to the required retention period, but shall last as long as the records are retained. Failure to provide access to records may be cause for termination of the Agreement. The records to be thus maintained and retained by the Contractor shall include (without limitation): (1) personnel and payroll records, including social security numbers and labor classifications, accounting for total time distribution of the Contractor's employees working full or part time on the work, as well as cancelled payroll checks, signed receipts for payroll payments in cash, or other evidence of disbursement of payroll payments; (2) invoices for purchases, receiving and issuing documents, and all other unit inventory records for the Contractor's stocks or capital items; and (3) paid invoices and cancelled checks for materials purchased and for subcontractors' and any other third parties' charges.

The Contractor further agrees that the examination of records outlined in this article shall be included in all subcontractor or third-party agreements.

ARTICLE 13: RETENTION OF RECORDS

The Contractor and its subcontractors shall maintain all records pertinent to this Agreement, and all other financial, statistical, property, participant records, and supporting documentation for a period of no less than seven (7) years from the later of the date of acceptance of the final payment or until all audit findings have been resolved. If any litigation, claim, negotiation, audit or other action involving the records has been started before the expiration of the retention period, the records shall be retained until completion of the action and resolution of all issues which arise from it, or until the end of the seven (7) years, whichever is later, and until any outstanding litigation, audit, or claim has been fully resolved.

ARTICLE 14: CHANGES AND AMENDMENTS

A. Any alterations, additions, or deletions to the terms of this Agreement, which are required by changes in federal or state law or by regulations, are automatically incorporated without written amendment hereto, and shall become effective on the date designated by such law or by regulation.

B. To ensure the legal and effective performance of this Agreement, both parties agree that any amendment that affects the performance under this Agreement must be mutually agreed upon and that all such amendments must be in writing. After a period of no less than 30 days subsequent to written notice, unless sooner implementation is required by law, such amendments shall have the effect of qualifying the terms of this Agreement and shall be binding upon the parties as if written herein.

ARTICLE 15: TERMINATION PROCEDURES

The Contractor acknowledges that this Agreement may be terminated for Convenience or Default.

A. *Convenience*

H-GAC may terminate this Agreement at any time, in whole or in part, with or without cause, whenever H-GAC determines that for any reason such termination is in the best interest of H-GAC, by providing written notice by certified mail to the Contractor. Upon receipt of notice of termination, all services hereunder of the Contractor and its employees and subcontractors shall cease to the extent specified in the notice of termination.

The Contractor may cancel or terminate this Agreement upon submission of thirty (30) days written notice, presented to H-GAC via certified mail. The Contractor may not give notice of cancellation after it has received notice of default from H-GAC.

B. *Default*

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H-GAC may, by written notice of default to the Contractor, terminate the whole or any part of the Agreement, in any one of the following circumstances:

(1) If the Contractor fails to perform the services herein specified within the time specified herein or any extension thereof; or

(2) If the Contractor fails to perform any of the other provisions of this Agreement for any reason whatsoever, or so fails to make progress or otherwise violates the Agreements that completion of services herein specified within the Agreement term is significantly endangered, and in either of these two instances does not cure such failure within a period often (10) days (or such longer period of time as may be authorized by H-GAC in writing) after receiving written notice by certified mail of default from H-GAC.

ARTICLE 16: SEVERABILITY

H-GAC and Contractor agree that should any provision of this Agreement be determined to be invalid or unenforceable, such determination shall not affect any other term of this Agreement, which shall continue in full force and effect.

ARTICLE 17: FORCE MAJEURE

To the extent that either party to this Agreement shall be wholly or partially prevented from the performance of any obligation or duty placed on such party by reason of or through strikes, stoppage of labor, riot, fire, flood, acts of war, insurrection, accident, order of any court, act of God, or specific cause reasonably beyond the party's control and not attributable to its neglect or nonfeasance, in such event, the time for the performance of such obligation or duty shall be suspended until such disability to perform is removed. Determination of force majeure shall rest solely with H-GAC.

ARTICLE 18: CONFLICT OF INTEREST

No officer, member or employee of the Contractor or subcontractor, no member of the governing body of the Contractor, and no other public officials of the Contractor who exercise any functions or responsibilities in the review or Contractor approval of this Agreement, shall participate in any decision relating to this Agreement which affects his or her personal interest, or shall have any personal or pecuniary interest, direct or indirect, in this Agreement.

ARTICLE 19: FEDERAL COMPLIANCE

Contractor agrees to comply with all federal statutes relating to nondiscrimination, labor standards, and environmental compliance. Additionally, for work to be performed under the Agreement or subcontract thereof, including procurement of materials or leases of equipment, Contractor shall notify each potential subcontractor or supplier of the Contractor's federal compliance obligations. These may include, but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§ 1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) the Fair Labor Standards Act of 1938 (29 USC 676 et. seq.), (d) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. § 794), which prohibits discrimination on the basis of handicaps and the Americans with Disabilities Act of 1990; (e) the Age Discrimination in Employment Act of 1967 (29 USC 621 et. seq.) and the Age Discrimination Act of 1974, as amended (42 U.S.C. §§ 6101-6107), which prohibits discrimination on the basis of age; (f) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (g) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to the nondiscrimination on the basis of alcohol abuse or alcoholism; (h) §§ 523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. 290 dd-3 and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (i) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. § 3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (j) any other nondiscrimination provisions in any specific statute(s)

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applicable to any Federal funding for this Agreement; (k) the requirements of any other nondiscrimination statute(s) which may apply to this Agreement; (l) applicable provisions of the Clean Air Act (42 U.S.C. §7401 et seq.), the Federal Water Pollution Control Act, as amended (33 U.S.C. §1251 et seq.), Section 508 of the Clean Water Act (33 U.S.C. 1368), Executive Order 11738, and the Environmental Protection Agency regulations at 40 CPR Part 15; (m) applicable provisions of the Davis- Bacon Act (40 U.S.C. 276a - 276a-7), the Copeland Act (40 U.S.C. 276c), and the Contract Work Hours and Safety Standards Act (40 U.S.C. 327-332), as set forth in Department of Labor Regulations at 20 CPR 5.5a; (n) the mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (P.L. 94-163).

ARTICLE 20: CRIMINAL PROVISIONS AND SANCTIONS

The Contractor agrees to perform the Agreement in conformance with safeguards against fraud and abuse as set forth by the H-GAC, the State of Texas, and the acts and regulations of any related state or federal agency. The Contractor agrees to promptly notify H-GAC of any actual or suspected fraud, abuse, or other criminal activity through the filing of a written report within twenty-four (24) hours of knowledge thereof. Contractor shall notify H-GAC of any accident or incident requiring medical attention arising from its activities under this Agreement within twenty-four (24) hours of such occurrence. Theft or willful damage to property on loan to the Contractor from H-GAC, if any, shall be reported to local law enforcement agencies and H-GAC within two (2) hours of discovery of any such act.

The Contractor further agrees to cooperate fully with H-GAC, local law enforcement agencies, the State of Texas, the Federal Bureau of Investigation and any other duly authorized investigative unit, in carrying out a full investigation of all such incidents.

The Contractor shall notify H-GAC of the threat of lawsuit or of any actual suit filed against the Contractor pertaining to this Agreement or which would adversely affect the Contractor's ability to perform services under this Agreement.

ARTICLE 21: INDEMNIFICATION AND RECOVERY

H-GAC's liability under this Agreement, whether for breach of contract, warranty, negligence, strict liability, in tort or otherwise, is limited to its order processing charge. In no event will H-GAC be liable for any loss of use, loss of time, inconvenience, commercial loss, lost profits or savings or other incidental, special or consequential damages to the full extent such use may be disclaimed by law. Contractor agrees, to the extent permitted by law, to defend and hold harmless H-GAC, its board members, officers, agents, officials, employees and indemnities from any and all claims, costs, expenses (including reasonable attorney fees), actions, causes of action, judgements, and liens arising as a result of Contractor's negligent act or omission under this Agreement. Contractor shall notifiy H-GAC of the threat of lawsuit or of any actual suit filed against Contractor relating to this Agreement.

ARTICLE 22: LIMITATION OF CONTRACTOR'S LIABILITY

Except as specified in any separate writing between the Contractor and an END USER, Contractor's total liability under this Agreement, whether for breach of contract, warranty, negligence, strict liability, in tort or otherwise, but excluding its obligation to indemnify H-GAC, is limited to the price of the particular products/services sold hereunder, and Contractor agrees either to refund the purchase price or to repair or replace product(s) that are not as warranted. In no event will Contractor be liable for any loss of use, loss of time, inconvenience, commercial loss, loss of profits or savings or other incidental, special or consequential damages to the full extent such use may be disclaimed by law. Contractor understands and agrees that it shall be liable to repay and shall repay upon demand to

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END USER any amounts determined by H-GAC, its independent auditors, or any agency of State or Federal government to have been paid in violation of the terms of this Agreement.

ARTICLE 23: TITLES NOT RESTRICTIVE

The titles assigned to the various Articles of this Agreement are for convenience only. Titles shall not be considered restrictive of the subject matter of any Article, or part of this Agreement.

ARTICLE 24: JOINT WORK PRODUCT

This Agreement is the joint work product of H-GAC and the Contractor. This Agreement has been negotiated by H-GAC and the Contractor and their respective counsel and shall be fairly interpreted in accordance with its terms and, in the event of any ambiguities, no inferences shall be drawn against any party.

ARTICLE 25: DISPUTES

All disputes concerning questions of fact or of law arising under this Agreement, which are not addressed within the Whole Agreement as defined pursuant to Article 4 hereof, shall be decided by the Executive Director of H-GAC or his designee, who shall reduce his decision to writing and provide notice thereof to the Contractor. The decision of the Executive Director or his designee shall be final and conclusive unless, within thirty (30) days from the date of receipt of such notice, the Contractor requests a rehearing from the Executive Director of H-GAC. In connection with any rehearing under this Article, the Contractor shall be afforded an opportunity to be heard and offer evidence in support of its position. The decision of the Executive Director after any such rehearing shall be final and conclusive. The Contractor may, if it elects to do so, appeal the final and conclusive decision of the Executive Director to a court of competent jurisdiction. Pending final decision of a dispute hereunder, the Contractor shall proceed diligently with the performance of the Agreement and in accordance with H- GAC's final decision.

ARTICLE 26: CHOICE OF LAW: VENUE

This Agreement shall be governed by the laws of the State of Texas. Venue and jurisdiction of any suit or cause of action arising under or in connection with the Agreement shall lie exclusively in Harris County, Texas. Disputes between END USER and Contractor are to be resolved in accordance with the law and venue rules of the state of purchase. Contractor shall immediately notify H-GAC of such disputes.

ARTICLE 27: ORDER OF PRIORITY

In the case of any conflict between or within this Agreement, the following order of priority shall be utilized: 1) General Provisions, 2) Special Provisions, 3) Scope of Work, and, 4) Other Attachments.

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SIGNATURES:
H-GAC and the Contractor have read, agreed, and executed the whole Agreement as of the date first written above, as accepted by:

Mustang Machinery Company, LLC

Signature F4F598577B1E428...

Name Todd Fisk

Title Executive VP

Date 6/10/2019

H-GAC

DocuSigned by:

Signature 82EC270D5D61423...

Name Chuck Wemple

Title Executive Director

Date 6/9/2019

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SPECIAL PROVISIONS

Incorporated by attachment, as part of the whole agreement, H-GAC and the Contractor do, hereby agree to the Special Provisions as follows:

ARTICLE 1: BIDS/PROPOSALS INCORPORATED

In addition to the whole Agreement, the following documents listed in order of priority are incorporated into the Agreement by reference: Bid/Proposal Specifications and Contractor's Response to the Bid/Proposal.

ARTICLE 2: END USER AGREEMENTS ("EUA")

H-GAC acknowledges that the **END USER** may choose to enter into an End User Agreement ("EUA) with the **Contractor** through this Agreement, and that the term of the EUA may exceed the term of the current **H-GAC** Agreement. **H-GAC's** acknowledgement is not an endorsement or approval of the End User Agreement's terms and conditions. **Contractor** agrees not to offer, agree to or accept from the **END USER**, any terms or conditions that conflict with those in **Contractor's** Agreement with **H-GAC.** Contractor affirms that termination of its Agreement with H-GAC for any reason shall not result in the termination of any underlying EUA, which shall in each instance, continue pursuant to the EUA's stated terms and duration. Pursuant to the terms of this Agreement, termination of this Agreement will disallow the **Contractor** from entering into any new EUA with **END USERS.** Applicable **H-GAC** order processing charges will be due and payable to **H-GAC** on any EUAs, surviving termination of this Agreement between **H-GAC** and **Contractor.**

ARTICLE 3: MOST FAVORED CUSTOMER CLAUSE

Contractor shall provide its most favorable pricing and terms to H-GAC. If at any time during this Agreement, Contractor develops a regularly followed standard procedure of entering into agreements with other governmental customers within the State of Texas, and offers the same or substantially the same products/services offered to **H-GAC** on a basis that provides prices, warranties, benefits, and or terms more favorable than those provided to **H-GAC**, **Contractor** shall notify **H-GAC** within ten (10) business days thereafter, and this Agreement shall be deemed to be automatically retroactively amended, to the effective date of Contractor's most favorable past agreement with another entity. **Contractor** shall provide the same prices, warranties, benefits, or terms to **H-GAC** and its END USER as provided in its most favorable past agreement. H-GAC shall have the right and option at any time to decline to accept any such change, in which case the amendment shall be deemed null and void. If **Contractor** claims that a more favorable price, warranty, benefit, or term that was charged or offered to another entity during the term of this Agreement, does not constitute more favorable treatment, than **Contractor** shall, within ten (10) business days, notify **H-GAC** in writing, setting forth the detailed reasons **Contractor** believes the aforesaid offer is not in fact most favored treatment. **H-GAC**, after due consideration of Contractor's written explanation, may decline to accept such explanation and thereupon this Agreement between **H-GAC** and **Contractor** shall be automatically amended, effective retroactively, to the effective date of the most favored agreement, to provide the same prices, warranties,

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benefits, or terms to H-GAC and the END USER.
EXCEPTION: *This clause shall not be applicable to prices and price adjustments offered by a bidder, Proposer or contractor, which are not within bidder's/proposer's control [example; a manufacturer's bid concession], or to any prices offered to the Federal Government and its agencies.*

ARTICLE 4: PARTY LIABILITY

Contractor's total liability under this Agreement, whether for breach of contract, warranty, negligence, strict liability, in tort or otherwise, is limited to the price of the particular products/services sold hereunder. Contractor agrees either to refund the purchase price or to repair or replace product(s) that are not as warranted. Contractor accepts liability to repay, and shall repay upon demand to END USER, any amounts determined by H-GAC, its independent auditors, or any state or federal agency, to have been paid in violation of the terms of this Agreement.

ARTICLE 5: GOVERNING LAW & VENUE

Contractor and H-GAC agree that Contractor will make every reasonable effort to resolve disputes with the **END USER** in accord with the law and venue rules of the state of purchase. **Contractor** shall immediately notify **H-GAC** of such disputes.

ARTICLE 6: SALES AND ORDER PROCESSING CHARGE

Contractor shall sell its products to **END USERS** based on the pricing and terms of this Agreement. **H-GAC** will invoice **Contractor** for the applicable order processing charge when H-GAC receives notification of an END USER order. **Contractor shall remit to H-GAC** the full amount of the applicable order processing charge, after delivery of any product or service and subsequent END USER acceptance. Payment of the Order Processing Charge shall be remitted from Contractor to H-GAC, within thirty (30) calendar days or ten (10) business days after receipt of an END USER's payment, whichever comes first, notwithstanding Contractor's receipt of invoice. For sales made by **Contractor** based on this Agreement, including sales to entities without Interlocal Agreements, **Contractor** shall pay the applicable order processing charges to **H-GAC.** Further, **Contractor** agrees to encourage entities who are not members of H-GAC**'s** Cooperative Purchasing Program to execute an **H-GAC** Interlocal Agreement. **H-GAC** reserves the right to take appropriate actions including, but not limited to, Agreement termination if **Contractor** fails to promptly remit the appropriate order processing charge to H-GAC. In no event shall **H-GAC** have any liability to **Contractor** for any goods or services an **END USER** procures from **Contractor.** At all times, **Contractor** shall remain liable to pay to **H-GAC** any order processing charges on any portion of the Agreement actually performed, and for which compensation was received by **Contractor.**

ARTICLE 7: LIQUIDATED DAMAGES

Contractor and H-GAC agree that Contractor shall cooperate with the END USER at the time an END USER purchase order is placed, to determine terms for any liquidated damages.

ARTICLE 8: INSURANCE

Unless otherwise stipulated in Section B of the Bid/Proposal Specifications, **Contractor** must have the following insurance and coverage minimums:

a. **General liability** insurance with a Single Occurrence limit of at least $1,000,000.00, and a General

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Aggregate limit of at least two times the Single Occurrence limit.

Product liability insurance with a Single Occurrence limit of at least $1,000,000.00, and a General Aggregate limit of at least two times the Single Occurrence limit for all Products except Automotive Fire Apparatus. For Automotive Fire Apparatus, see Section B of the Bid/Proposal Specifications.

Property Damage or Destruction insurance is required for coverage of **End User** owned equipment while in **Contractor's** possession, custody or control. The minimum Single Occurrence limit is $500,000.00 and the General Aggregate limit must be at least two times the Single Occurrence limit. This insurance may be carried in several ways, e.g. under an Inland Marine policy, as art of Automobile coverage, or under a Garage Keepers policy. In any event, this coverage must be specifically and clearly listed on insurance certificate(s) submitted to **H-GAC**.

b. Insurance coverage shall be in effect for the length of any contract made pursuant to the Bid/Proposal, and for any extensions thereof, plus the number of days/months required to *deliver* any outstanding order after the close of the contract period.
c. Original Insurance Certificates must be furnished to **H-GAC** on request, showing **Contractor** as the insured and showing coverage and limits for the insurances listed above.
d. If any Product(s) or Service(s) will be provided by parties other than **Contractor**, all such parties are required to carry the minimum insurance coverages specified herein, and if requested by **H-GAC**, a separate insurance certificate must be submitted for each such party.
e. **H-GAC** reserves the right to contact insurance underwriters to confirm policy and certificate issuance and document accuracy.

ARTICLE 9: PERFORMANCE AND PAYMENT BONDS FOR INDIVIDUAL ORDERS

H-GAC's contractual requirements DO NOT include a Performance & Payment Bond (PPB); therefore, Contractor shall offer pricing that reflects this cost savings. **Contractor** shall remain prepared to offer a PPB to cover any order if so requested by the **END USER**. **Contractor** shall quote a price to **END USER** for provision of any requested PPB, and agrees to furnish the PPB within ten business (10) days of receipt of **END USER's** purchase order.

ARTICLE 10: CHANGE OF STATUS

Contractor shall immediately notify **H-GAC,** in writing, of **ANY** change in ownership, control, dealership/franchisee status, Motor Vehicle license status, or name. Contractor shall offer written guidance to advise H-GAC if this Agreement shall be affected in any way by such change. **H-GAC** shall have the right to determine whether or not such change is acceptable, and to determine what action shall be warranted, up to and including cancellation of Agreement.

ARTICLE 11: TEXAS MOTOR VEHICLE BOARD LICENSING

All that deal in motor vehicles shall maintain current licenses that are required by the Texas Motor Vehicle Commission Code. If at any time during this Agreement term, any required **Contractor** license is denied, revoked, or not renewed, **Contractor** shall be in default of this Agreement, unless the Texas Motor Vehicle

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Board issues a stay or waiver. Contractor shall promptly provide copies of all current applicable Texas Motor Vehicle Board documentation to **H-GAC** upon request.

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Attachment A
Mustang Machinery Company, LLC
Earth Moving & Construction Equipment
Contract No.: EM06-19

Applicable items are the catalog listed in the table below, as well as any pricing documents included in the awardee's bid response.

Product Code	Manufacturer	Description	Discount Percentage
EM19A30	Caterpillar	Caterpillar Wheel Excavator Pricing Catalog Effective 1/15/2019	18.00%
EM19A31	Caterpillar	Caterpillar Mini Hydraulic Excavator Pricing Catalog Effective 1/2/2019	15.00%
EM19A32	Caterpillar	Caterpillar Medium Hydraulic Excavator Pricing Catalog Effective 1/2/2019	15.00%
EM19A33	Caterpillar	Caterpillar Large Hydraulic Excavator Pricing Catalog Effective 1/2/2019	15.00%
EM19A34	Caterpillar	Caterpillar Dozer Pricing Catalog Effective 1/8/2019	15.00%
EM19A35	Caterpillar	Caterpillar Motor Grader Pricing Catalog Effective 1/15/2019	20.00%
EM19A36	Caterpillar	Caterpillar Compact Wheel Loader Pricing Catalog Effective 1/2/2019	18.00%
EM19A37	Caterpillar	Caterpillar Small Wheel Loader Pricing Catalog Effective 1/8/2019	18.00%
EM19A38	Caterpillar	Caterpillar Midsize Wheel Loader Pricing Catalog Effective 1/12/2019	18.00%
EM19A39	Caterpillar	Caterpillar Large Wheel Loader Pricing Catalog Effective 1/2/2019	18.00%
EM19A40	Caterpillar	Caterpillar Skid Steer Pricing Catalog Effective 1/4/2019	18.00%
EM19A41	Caterpillar	Caterpillar Multi Terrain Loader Pricing Catalog Effective 1/4/2019	18.00%
EM19A42	Caterpillar	Caterpillar Backhoe Loader Pricing Catalog Effective 1/9/2019	18.00%
EM19A43	Caterpillar	Caterpillar Elevating Scraper Pricing Catalog Effective 1/8/2019	15.00%
EM19A44	Caterpillar	Caterpillar Open Bowl Scraper Pricing Catalog Effective 1/8/2019	15.00%
EM19A45	Caterpillar	Caterpillar Articulated Truck Pricing Catalog Effective 1/15/2019	15.00%
EM19A46	Caterpillar	Caterpillar Waste Handler Pricing Catalog Effective 1/2/2019	15.00%
EM19A48	Caterpillar	Caterpillar Wheel Material Handler Pricing Catalog Effective 1/9/2019	15.00%

City of Galveston

FLEET FACILITIES
STAFF REPORT

October 8, 2019

Brian Maxwell, City Manager
Honorable Mayor and City Council Members

Subject: Consider for the approval allowing the Fleet Facility to purchase the listed emergency equipment from Siddons Martin Emergency Group, who will also provide all installations, through Buy Board, for a total price of $22,335.96, and authorize the City Manager to execute the contract upon final approval by the City Attorney.

I. Background

A. Two Galveston police units were involved in auto accidents this year. TML insurance did provide a settlement payment for the damaged equipment, plus the vehicles themselves.

B. Two new replacement Chevrolet Tahoe's have been received and will have the non-damaged equipment re-installed. Many items were damaged in the accidents and will have to be purchased to complete the package.

C. The listed quotes are for the decaling, installation of non-damaged equipment, replacement of damaged equipment, and all the involved labor. Just for information purposes, the cost to outfit a new GPD unit was $22,000 per unit last year.

D. Buy Board, HGAC Buy and TXMAS are cooperative purchasing organizations that the city is a member of that performs bidding packages for local governments. The Fleet Facility has performed competitive bidding packages on current equipment purchases to assure that these purchases are the better option a majority of the time.

E. The extended purchase price for this request is $22,335.96.

F. Siddons Martin Emergency Group is located in Houston Texas.

G. Delivery should be within 60 days from date of the purchase order issue.

II. Current Situation

The City Council will have to approve allowing the Fleet Facility to purchase the listed emergency equipment from Siddons Martin Emergency Group, who will also provide all installations, through Buy Board, for a total price of $22,335.96, and authorize the City Manager to execute the contract upon final approval by the City Attorney.

III. Alternatives in order of priority

A. City Council approves the purchase.

1. Cost - $22,335.96
2. Timing - Delivery should be within 60 days.
3. Divisional Improvements - Will provide the city with needed equipment to perform duties.

B. City Council does not approve the purchase.

1. Cost - No additional cost at this time.
2. Timing - N/A
3. Divisional Improvements - City staff will not be able to function without needed equipment.

IV. Recommendation

Concur in Alternative A and approve allowing the Fleet Facility to purchase the listed emergency equipment from Siddons Martin Emergency Group, who will also provide all installations, through Buy Board, for a total price of $22,335.96, and authorize the City Manager to execute the contract upon final approval by the City Attorney.

V. Fiscal Impact Report

Requested by David Smith
Executive Director

Cost	$22,335.96
Funding Source	Vehicle Capital Outlay Account Vehicle Repairs Account
Savings Estimation	N/A
Involved Units	1757 and 1727
Buy Board Contract	571-18

VI. <u>Environmental Impact</u>

N/A

Respectfully Submitted

David Smith
Executive Director

Siddons-Martin Emergency Group
1364 E Richey Rd
Houston TX USA 77073
Phone #:(281) 219-1920
Fax #: (281) 219-2560

Invoice #: 2407135
Tag Number: EVS108
Date and Time In: 9/9/2019 - 3:47 PM
Date and Time Out: 9/9/2019 - 3:39 PM
Promised Date - Time: 9/9/2019 - 3:39 PM
Cashed Out Date:

CUSTOMER COPY

Remit To: PO Box 679827 Dallas, TX 75267-9827

Service Advisor: (A07Z) Brandon Truesdale

Galveston, City of 1002855
P. O. Box 779
Galveston TX 77553

Work: (409) 797-3574 Email: evs@siddons-martin.com

Veh Info: 19 CHEVY TAHOE WHITE
Serial Numbers: 1GNLCDEC2LR109615 EVS108

In-Srv: **Miles/Hrs In:** **Out:** **Plate #:**
Color Ex:WHITE **Int:**

Repair	VIN	Second VIN	Mech #	Type
	Description			**Qty**
1	LR109615	EVS108		Wholesale
	PARTS AND LABOR CAUSE: SOME USED EQUIPMENT SOME NEW EQUIPMENT			
	C-CUP2-I	CON,ACSY,CUPHLDR,IM,4MS,DUAL,		1.00
	C-FP-1	1" Filler Plate		1.00
	CCSRNT4A	CENCOM CARBIDE SIREN SYSTEM W/ T/A		1.00
	CCSRN4DA	WC EXTERNAL AMPLIFIER		1.00
	SSFPOSI6	SOLID STATE HEADLIGHT FLASHER		1.00
	I3JC	TRIO ION R/B W/ WHT OVERRIDE		2.00
	SID008	GRILL BRACKET FOR ION		2.00
	TLI2J	ION T-SERIES DUO R/B		2.00
	SID006	TADF6 BRACKET		1.00
	BARCODESINC	SEE SPEC - Q1322479		1.00
	21040102	MAGTEK WITH USB CORD - DL CARD READER		1.00
	C-FP-05	1/2" Filler Plate		1.00
	MMSU-1	MAGNETIC MIC. CONVERSION KIT		1.00
	CANEM16	CANTROL EXPANSION MODULE 16 OUTPUT		2.00
	NMO-60-300-M1-N	NMO KIT WITH CONNECTOR AND 25 RG58 CABLE		1.00
	INSTALLKIT	WIRE, LOOM, FUSES, BREAKERS RELAYS, HEAT S		1.00
	LABOR	LABOR TO INSTALL ABOVE LISTED EQUIPMENT		1.00
	GRAPHICS OSD	MATCH FLEET		1.00
	CONTRACT FEE	BUY BOARD FEE		1.00

There will be a 30% restocking fee charged for all returned items based upon the sales price of the item. All Special Order items are ineligible for returns. Special order items include, but are not limited to, any customer driven specification of the item requested or ordered at the direct request of customer.

CUSTOMER COPY

Ext Price:	$8,811.78
Sales Tax:	$0.00
Total:	$8,811.78
- Deductible:	$0.00
- Deposits:	$0.00
Amount Due:	**$8,811.78**
Amt Tendered:	$0.00
Chg Returned:	$0.00

Repair added after the customer copy printed.Oil & Grease included in Other Charges.

Siddons-Martin Emergency Group
1364 E Richey Rd
Houston TX USA 77073
Phone #:(281) 219-1920
Fax #: (281) 219-2560

Invoice #: 2407135
Tag Number: EVS108
Date and Time In: 9/9/2019 - 3:47 PM
Date and Time Out: 9/9/2019 - 3:39 PM
Promised Date - Time: 9/9/2019 - 3:39 PM
Cashed Out Date:

CUSTOMER COPY

Remit To: PO Box 679827 Dallas, TX 75267-9827

Service Advisor: (A07Z) Brandon Truesdale

We (the Customer) are responsible for all costs and expenses listed on this invoice. I, the undersigned, am authorized to agree, on behalf of the owner of the vehicle, to pay all outstanding charges in accordance with the terms and conditions agreed between us and the Company. Unless otherwise stated, all invoices are due and payable 30 days from the date of invoice. We have granted the Company, its employees, and agents permission to operate the vehicle on any streets as necessary for testing, inspection, or other services requested. We are responsible for insuring the vehicle at all times. We release the Company for any loss, damage, or theft of any items left in the vehicle for any reason. All parts and labor on this invoice are warranted for purpose and fitness for 90 days from the date of the invoice. In order to recover against any warranty, we agree to return the vehicle to the Company for all warranty repairs. Failure to return the vehicle cancels all warranties provided. All other warranties are expressly disclaimed by Company.This estimate/quote is only valid for 30 days.Acknowledged and Received by:_____

There will be a 30% restocking fee charged for all returned items based upon the sales price of the item. All Special Order items are ineligible for returns. Special order items include, but are not limited to, any customer driven specification of the item requested or ordered at the direct request of customer.

CONTRACT PRICING WORKSHEET

Buy Board Contract 571-18 — **for motor vehicles only** — **Contract No.:** 571-18 — **Date:** 9/25/2019

Agency:	City of Galveston	**Contractor:**	Siddons-Martin Emergency Group
Contact:	DAVID SMITH	**Prepared:**	Jeff Doran
Phone:	4097973920	**Phone:**	1-800-784-6806
Fax:	—	**Fax:**	
Email:	DSMITH@GALVESTONTX.GOV	**Email:**	jdoran@siddons-martin.com

Prod. Code:		**Description:**	**Emergency Upfitting**

A. Product Item Base Unit Price Per Contractor's Buy Board Contract:

B. Published Options - Itemize below - Attach additional sheet(s) if necessary - Include Option Code in description if applicable.

Description	Cost	Description	Cost
Vehicle Upfitting			
		Subtotal From Additional Sheet(s):	
		Subtotal B:	$ 10,407.00
Total Published Options			$ 10,407.00

C. Unpublished Options - Itemize below / attach additional sheet(s) if necessary.

Description	Cost	Description	Cost
		Subtotal From Additional Sheet(s):	
		Subtotal C:	$ -

Check: Total cost of Unpublished Options (C) cannot exceed 25% of the total of the Base Unit Price plus Published Options (A+B). 0%

D. Other Cost Items Not Itemized Above (e.g. Installation, Freight, Delivery, Etc.)

Description	Cost	Description	Cost
		Subtotal D:	$ -

E. Total Cost Before Any Applicable Trade-In / Other Allowances / Discounts (A+B+C+D) $ 10,407.00

Quantity Ordered: 1 X **Subtotal of A + B + C + D:** 10407 = **Subtotal E:** $ 10,407.00

F. Buy Board Fee Calculation (From Current Fee Tables) 2% of total **Subtotal F:** $ 172.78

Description	Cost	Description	Cost	
Package Discount	$ (1,768.00)			
Subtotal of column	$ (1,768.00)	Subtotal of Column	$ -	**Subtotal G:** $ (1,768.00)

Delivery Date: **H. Total Purchase Price (E+F+G):** $ 8,811.78

Siddons-Martin Emergency Group
1364 E Richey Rd
Houston TX USA 77073
Phone #:(281) 219-1920
Fax #: (281) 219-2560

Invoice #: 2407187
Tag Number:
Date and Time In: 9/25/2019 - 3:30 PM
Date and Time Out: 9/20/2019 - 8:34 AM
Promised Date - Time: 9/20/2019 - 8:34 AM
Cashed Out Date:

CUSTOMER COPY

Remit To: PO Box 679827 Dallas, TX 75267-9827

Service Advisor: (A07Z) Brandon Truesdale

Galveston, City of
P. O. Box 779
Galveston TX 77553

1002855 Work: (409) 797-3574 Email: evs@siddons-martin.com

Repair	VIN	Second VIN	Mech #	Type
	Description			**Qty**
1				Wholesale
	PARTS AND LABOR			
STPKT93	WHELEN TAHOE 2015 LIGHTBAR STRAP KIT tahoe			1.00
C-VS-1013-TAH-1	2015 Chevrolet Tahoe or Suburban (S			1.00
C-CUP2-I	CON,ACSY,CUPHLDR,IM,4MS,DUAL,			1.00
C-ARM-103	Armrest for top mount, console, lar			1.00
C-FP-1	1" Filler Plate			1.00
CCSRN4DA	WC EXTERNAL AMPLIFIER			1.00
SAK1	SA-315 MOUNT KIT UNIVERSAL			1.00
PRPSP5714T15A	Poly Center Slider W Expanded Metal Insert PKG			1.00
S5705T15OSB	Trans Seat 7 Ga. Steel Window Cargo Barrier, OSB			1.00
WB57NPT15	Pair, Steel Window Barrier oem			1.00
SSFPOSI6	SOLID STATE HEADLIGHT FLASHER			1.00
I3JC	TRIO ION R/B W/ WHT OVERRIDE			2.00
SID008	GRILL BRACKET FOR ION			2.00
I3SMJC	SURFACE MT TRIO ION R/B W/WHT			4.00
TLI2J	ION T-SERIES DUO R/B			2.00
TADF6-33000	6-LT 500 SERIES DUO-COLOR T/A - RED/BLUE			1.00
SID006	TADF6 BRACKET			1.00
C-HDM-204	8.5" Heavy Duty Telescoping Pole, s			1.00
C-MD-112	Slide Out Locking Swing Arm with Motion Adapter			1.00
DS-PAN-111-2	Docking station: Panasonic Toughboo			1.00
BARCODESINC	SEE SPEC			1.00
21040102	MAGTEK WITH USB CORD - DL CARD READER			1.00
AX402T	EXTINGUISHER, 5LB W/ VEHICLE BRACKET			1.00
CG-X	CHARGEGUARD-SELECT			1.00
FRT	FREIGHT			1.00
C-FP-05	1/2" Filler Plate			1.00
LPS-104	Havis docking power supply for CF-3			1.00
MMSU-1	MAGNETIC MIC. CONVERSION KIT			1.00
CANEM16	CANTROL EXPANSION MODULE 16 OUTPUT			2.00
NMO-60-300-M1-N	NMO KIT WITH CONNECTOR AND 25 RG58 CABLE			1.00
GRAPHICS OSD	MATCH FLEET			1.00
INSTALLKIT	WIRE, LOOM, FUSES, BREAKERS RELAYS, HEAT S			1.00
LABOR	LABOR TO INSTALL ABOVE LISTED EQUIPMENT			1.00
CONTRACT FEE	BUY BOARD CONTRACT FEE			1.00

Repair added after the customer copy printed.Oil & Grease included in Other Charges.

Siddons-Martin Emergency Group
1364 E Richey Rd
Houston TX USA 77073
Phone #:(281) 219-1920
Fax #: (281) 219-2560

Invoice #: 2407187
Tag Number:
Date and Time In: 9/25/2019 - 3:30 PM
Date and Time Out: 9/20/2019 - 8:34 AM
Promised Date - Time: 9/20/2019 - 8:34 AM
Cashed Out Date:

CUSTOMER COPY

Remit To: PO Box 679827 Dallas, TX 75267-9827

Service Advisor: (A07Z) Brandon Truesdale

There will be a 30% restocking fee charged for all returned items based upon the sales price of the item. All Special Order items are ineligible for returns. Special order items include, but are not limited to, any customer driven specification of the item requested or ordered at the direct request of customer.

CUSTOMER COPY

Ext Price:	$13,524.18
Sales Tax:	$0.00
Total:	$13,524.18
- Deductible:	$0.00
- Deposits:	$0.00
Amount Due:	**$13,524.18**
Amt Tendered:	$0.00
Chg Returned:	$0.00

We (the Customer) are responsible for all costs and expenses listed on this invoice. I, the undersigned, am authorized to agree, on behalf of the owner of the vehicle, to pay all outstanding charges in accordance with the terms and conditions agreed between us and the Company. Unless otherwise stated, all invoices are due and payable 30 days from the date of invoice. We have granted the Company, its employees, and agents permission to operate the vehicle on any streets as necessary for testing, inspection, or other services requested. We are responsible for insuring the vehicle at all times. We release the Company for any loss, damage, or theft of any items left in the vehicle for any reason. All parts and labor on this invoice are warranted for purpose and fitness for 90 days from the date of the invoice. In order to recover against any warranty, we agree to return the vehicle to the Company for all warranty repairs. Failure to return the vehicle cancels all warranties provided. All other warranties are expressly disclaimed by Company.This estimate/quote is only valid for 30 days.Acknowledged and Received by:_____

There will be a 30% restocking fee charged for all returned items based upon the sales price of the item. All Special Order items are ineligible for returns. Special order items include, but are not limited to, any customer driven specification of the item requested or ordered at the direct request of customer.

CONTRACT PRICING WORKSHEET
for motor vehicles only

Buy Board Contract 571-18 | **Contract No.:** 571-18 | **Date:** 9/25/2019

Agency:	City of Galveston	**Contractor:**	Siddons-Martin Emergency Group
Contact:	DAVID SMITH	**Prepared:**	Jeff Doran
Phone:	4097973920	**Phone:**	1-800-784-6806
Fax:	–	**Fax:**	
Email:	DSMITH@GALVESTON.COM	**Email:**	jdoran@siddons-martin.com

Prod. Code: | **Description:** Emergency Upfitting

A. Product Item Base Unit Price Per Contractor's Buy Board Contract:

B. Published Options - Itemize below - Attach additional sheet(s) if necessary - Include Option Code in description if applicable.

Description	Cost	Description	Cost
Vehicle Upfitting			
		Subtotal From Additional Sheet(s):	
		Subtotal B:	$ 19,137.00
Total Published Options			$ 19,137.00

C. Unpublished Options - Itemize below / attach additional sheet(s) if necessary.

Description	Cost	Description	Cost
		Subtotal From Additional Sheet(s):	
		Subtotal C:	$ -

Check: Total cost of Unpublished Options (C) cannot exceed 25% of the total of the Base Unit Price plus Published Options (A+B). 0%

D. Other Cost Items Not Itemized Above (e.g. Installation, Freight, Delivery, Etc.)

Description	Cost	Description	Cost
		Subtotal D:	$ -

E. Total Cost Before Any Applicable Trade-In / Other Allowances / Discounts (A+B+C+D) $ 19,137.00

Quantity Ordered: 1 X **Subtotal of A + B + C + D:** 19137 = **Subtotal E:** $ 19,137.00

F. Buy Board Fee Calculation (From Current Fee Tables) 2% of total **Subtotal F:** $ 265.18

Description	Cost	Description	Cost	
Package Discount	$ (5,878.00)			
Subtotal of column	$ (5,878.00)	Subtotal of Column	$ -	**Subtotal G:** $ (5,878.00)

Delivery Date: | **H. Total Purchase Price (E+F+G):** $ 13,524.18

P.O. Box 400
Austin, TX 78767-0400
800.695.2919 | 512.467.0222 | Fax: 800.211.5454
buyboard.com

July 19, 2018

Welcome to BuyBoard!

Re: *Notice of The Local Government Purchasing Cooperative Award*
Proposal Name and Number: Fire Service Apparatus Vehicles, Proposal Number 571-18

Congratulations, The Local Government Purchasing Cooperative (Cooperative) has awarded your company a BuyBoard® contract based on the above-referenced Proposal. The contract is effective 10/1/2018 through 9/30/2019, with two possible one-year renewals. The contract documents are those identified in Section 3 of the General Terms and Conditions of the specifications.

To view the items your company has been awarded, please review the proposal tabulation No. 571-18 on the following web-site: www.buyboard.com/vendor. Only items marked as awarded to your company can be sold through the BuyBoard contract. In addition, on this website you will find the membership list which will provide you with the names of all entities with membership in our purchasing cooperative.
Enclosed with this letter you will find the following documents:

1. Vendor Quick Reference Sheet
2. Vendor Billing Procedures

You are advised that receipt of a purchase order directly from a Cooperative member is not within the guidelines of the Cooperative. Accepting purchase orders directly from Cooperative members may result in a violation of the State of Texas competitive bid statute and termination of this Cooperative BuyBoard contract. **Therefore, all purchase orders must be processed through the BuyBoard in order to comply**. Please forward by fax (1-800-211-5454) any order received directly from a Cooperative member. If you inadvertently process a purchase order sent directly to you by a Cooperative member, please fax the order to the above number and note it as **RECORD ONLY** to prevent duplication.

On behalf of the Texas Association of School Boards, we appreciate your interest in the Cooperative and we are looking forward to your participation in the program. If you have any questions, please contact **Cooperative Procurement Staff** at 800-695-2919.

Sincerely,

Arturo Salinas
Department Director, Cooperative Procurement
v.6.5

BuyBoard® Cooperative Purchasing
12007 Research Boulevard • Austin, Texas 78759-2439 · PH: 800-695-2919 • FAX: 800-211-5454 • buyboard.com

PROPOSER'S AGREEMENT AND SIGNATURE

Proposal Name: Fire Service Apparatus Vehicles

Proposal Due Date/Opening Date and Time:
March 22, 2018 at 4:00 PM

Location of Proposal Opening:
Texas Association of School Boards, Inc.
BuyBoard Department
12007 Research Blvd.
Austin, TX 78759

Proposal Number: 571-18

Anticipated Cooperative Board Meeting Date:
July 2018

Contract Time Period: October 1, 2018 through September 30, 2019 with two (2) possible one-year renewals.

Lone Star Emergency Group	03/22/2018
Name of Proposing Company	Date
4553 Aldine Bender	
Street Address	Signature of Authorized Company Official
Houston, Texas 77032	Brad Fullington
City, State, Zip	Printed Name of Authorized Company Official
(281) 709-2211	CEO
Telephone Number of Authorized Company Official	Position or Title of Authorized Company Official
832-534-4148	82-3301330
Fax Number of Authorized Company Official	Federal ID Number

The proposing company ("you" or "your") hereby acknowledges and agrees as follows:

1. You have carefully examined and understand all Cooperative information and documentation associated with this Proposal Invitation, including the Instructions to Proposers, General Terms and Conditions, attachments/forms, item specifications, and line items (collectively "Requirements");

2. By your response ("Proposal") to this Proposal Invitation, you propose to supply the products or services submitted at the prices quoted in your Proposal and in strict compliance with the Requirements, unless specific deviations or exceptions are noted in the Proposal;

3. Any and all deviations and exceptions to the Requirements have been noted in your Proposal and no others will be claimed;

4. If the Cooperative accepts any part of your Proposal and awards you a contract, you will furnish all awarded products or services at the prices quoted and in strict compliance with the Requirements (unless specific exceptions are noted in the Proposal and accepted by the Cooperative), including without limitation the Requirements related to:
   a. conducting business with Cooperative members, including offering pricing to members that is the best you offer compared to similar customers;
   b. payment of a service fee in the amount specified and as provided for in this Proposal Invitation;
   c. the **possible** award of a piggy-back contract by another governmental entity or nonprofit entity, in which event you will offer the awarded goods and services in accordance with the Requirements; and
   d. submitting price sheets or catalogs in the proper format as required by the Cooperative as a prerequisite to activation of your contract;

5. You have clearly identified on the included form any information in your Proposal that you believe to be confidential or proprietary or that you do not consider to be public information subject to public disclosure under a Texas Public Information Act request or similar public information law;

6. The individual signing this Agreement is duly authorized to enter into the contractual relationship represented by this Proposal Invitation on your behalf and bind you to the Requirements, and such individual (and any individual signing a form) is authorized and has the requisite knowledge to provide the information and make the representations and certifications required in the Requirements;

7. You have carefully reviewed your Proposal, and certify that all information provided is true, complete and accurate, and you authorize the Cooperative to take such action as it deems appropriate to verify such information; and

8. Any misstatement, falsification, or omission in your Proposal, whenever or however discovered, may disqualify you from consideration for a contract award under this Proposal Invitation or result in termination of an award or any other remedy or action provided for in the General Terms and Conditions or by law.

BuyBoard®
Cooperative Purchasing
12007 Research Boulevard • Austin, Texas 78759-2439 • PH: 800-695-2919 • FAX: 800-211-5454 • buyboard.com

VENDOR CONTACT INFORMATION

Company: Lone Star Emergency Group

Vendor Contact Name and Mailing Address for Notices: David Bessolo, 4553 Aldine Bender, Houston, TX 77032

Company Website: www.lonestareg.com

Purchase Orders: Purchase orders from Cooperative members will be available through the Internet or by facsimile.

Option 1: **Internet**. Vendors need Internet access and at least one e-mail address so that notification of new orders can be sent to the Internet contact when a new purchase order arrives. An information guide will be provided to vendors that choose this option to assist them with retrieving their orders.

Option 2: **Fax**. Vendors need a designated fax line available at all times to receive purchase orders.

Please choose only one (1) of the following options for receipt of purchase orders and provide the requested information:

☒ I will use the **INTERNET** to receive purchase orders.

E-mail Address: keithg@lonestareg.com

Internet Contact: Keith Gould Phone: 713-376-9585

Alternate E-mail Address: davidb@lonestareg.com

Alternate Internet Contact: David Bessolo Phone: 281-706-1354

☐ I will receive purchase orders via **FAX**.

Fax Number: _____

Fax Contact: _____ Phone: _____

☐ Purchase orders may be received by any Designated Dealer identified on my company's Dealer Designation form as provided to the Cooperative administrator. I understand that my company shall remain responsible for the Contract and the performance of all Designated Dealers under and in accordance with the Contract.

Request for Quotes ("RFQ"): Cooperative members will send RFQs to you by e-mail. Please provide e-mail addresses for the receipt of RFQs:

E-mail Address: keith@lonestareg.com

Alternate E-mail Address: davidb@lonestareg.com

Invoices: Your company will be billed monthly for the service fee due under a contract awarded under this Proposal Invitation. **All invoices are available on the BuyBoard website and e-mail notifications will be sent when they are ready to be retrieved**. Please provide the following address, contact and e-mail information for receipt of service fee invoices and related communications:

Please choose only one (1) of the following options for receipt of invoices and provide the requested information:

■ Service fee invoices and related communications should be provided directly to my company at:

Mailing address: 4553 Aldine Bender **Department:** _____

City: Houston **State:** Texas **Zip Code:** 77032

Contact Name: Melissa Warren **Phone:** 800-322- 4702

Fax: 832-534-4148 **E-mail Address:** melissaw@lonestareg.com

Alternative E-mail Address: brad@lonestareg.com

☐ In lieu of my company, I request and authorize all service fee invoices to be provided directly to the following billing agent**:

Mailing address: _____ **Department:** _____

City: _____ **State:** _____ **Zip Code:** _____

Contact Name: _____ **Phone:** _____

Fax: _____ **E-mail Address:** _____

Alternative E-mail Address: _____

☐ In lieu of my company, I request and authorize service fee invoices to be provided to the Designated Dealer(s) receiving the purchase order(s) to which the invoiced service fees relate at the address and contact information designated on my company's Dealer Designation form as provided to the Cooperative administrator.**

*** If Vendor authorizes a billing agent or Designated Dealer(s) to receive and process service fee invoices, in accordance with the General Terms and Conditions of the Contract, Vendor specifically acknowledges and agrees that nothing in that designation shall relieve Vendor of its responsibilities and obligations under the Contract including, but not limited to, payment of all service fees under any Contract awarded Vendor.*

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12007 Research Boulevard • Austin, Texas 78759-2439 · PH: 800-695-2919 • FAX: 800-211-5454 • buyboard.com

FELONY CONVICTION DISCLOSURE AND DEBARMENT CERTIFICATION

FELONY CONVICTION DISCLOSURE

Subsection (a) of Section 44.034 of the Texas Education Code (Notification of Criminal History of Contractor) states: "A person or business entity that enters into a contract with a school district must give advance notice to the district if the person or an owner or operator has been convicted of a felony. The notice must include a general description of the conduct resulting in the conviction of a felony."

Section 44.034 further states in Subsection (b): "A school district may terminate a contract with a person or business entity if the district determines that the person or business entity failed to give notice as required by Subsection (a) or misrepresented the conduct resulting in the conviction. The district must compensate the person or business entity for services performed before the termination of the contract."

Please check (√) one of the following:

☐ My company is a publicly-held corporation. (Advance notice requirement does not apply to publicly-held corporation.)
☒ My company is not owned or operated by anyone who has been convicted of a felony.
☐ My company is owned/operated by the following individual(s) who has/have been convicted of a felony:

Name of Felon(s): _____

Details of Conviction(s): _____

_____

By signature below, I certify that the above information is true, complete and accurate and that I am authorized by my company to make this certification.

Lone Star Emergency Group
Company Name

Signature of Authorized Company Official

Brad Fullington
Printed Name

DEBARMENT CERTIFICATION

Neither my company nor an owner or principal of my company has been debarred, suspended or otherwise made ineligible for participation in Federal Assistance programs under Executive Order 12549, "Debarment and Suspension," as described in the Federal Register and Rules and Regulations. Neither my company nor an owner or principal of my company is currently listed on the government-wide exclusions in SAM, debarred, suspended, or otherwise excluded by agencies or declared ineligible under any statutory or regulatory authority. My company agrees to immediately notify the Cooperative and all Cooperative members with pending purchases or seeking to purchase from my company if my company or an owner or principal is later listed on the government-wide exclusions in SAM, or is debarred, suspended, or otherwise excluded by agencies or declared ineligible under any statutory or regulatory authority.

By signature below, I certify that the above is true, complete and accurate and that I am authorized by my company to make this certification.

Lone Star Emergency Group
Company Name

Signature of Authorized Company Official

Brad Fullington
Printed Name

BuyBoard® Cooperative Purchasing
12007 Research Boulevard • Austin, Texas 78759-2439 · PH: 800-695-2919 • FAX: 800-211-5454 • buyboard.com

RESIDENT/NONRESIDENT CERTIFICATION

Chapter 2252, Subchapter A, of the Texas Government Code establishes certain requirements applicable to proposers who are not Texas residents. Under the statute, a "resident" proposer is a person whose principal place of business is in Texas, including a contractor whose ultimate parent company or majority owner has its principal place of business in Texas. A "nonresident" proposer is a person who is not a Texas resident. Please indicate the status of your company as a "resident" proposer or a "nonresident" proposer under these definitions.

Please check (√) one of the following:

- ■ I certify that my company is a **Resident Proposer.**
- ☐ I certify that my company is a **Nonresident Proposer.**

If your company is a Nonresident Proposer, you must provide the following information for your resident state (the state in which your company's principal place of business is located):

Company Name	Address	
City	State	Zip Code

A. Does your resident state require a proposer whose principal place of business is in Texas to under-price proposers whose resident state is the same as yours by a prescribed amount or percentage to receive a comparable contract?
☐ Yes ☐ No

B. What is the prescribed amount or percentage? $_____ or _____%

VENDOR EMPLOYMENT CERTIFICATION

Section 44.031(b) of the Texas Education Code establishes certain criteria that a school district must consider when determining to whom to award a contract. Among the criteria for certain contracts is whether the vendor or the vendor's ultimate parent or majority owner (i) has its principal place of business in Texas; or (ii) employs at least 500 people in Texas.

If neither your company nor the ultimate parent company or majority owner has its principal place of business in Texas, does your company, ultimate parent company, or majority owner employ at least 500 people in Texas?

Please check (√) one of the following:

☒ Yes ☐ No

By signature below, I certify that the information in Sections 1 (*Resident/Nonresident Certification)* and 2 *(Vendor Employment Certification)* above is true, complete and accurate and that I am authorized by my company to make this certification.

Lone Star Emergency Group
Company Name

Signature of Authorized Company Official

Brad Fullington
Printed Name

NO ISRAEL BOYCOTT CERTIFICATION

Effective September 1, 2017, a Texas governmental entity may not enter into a contract with a company for goods or services unless the contract contains a written verification from the company that it: (1) does not boycott Israel; and (2) will not boycott Israel during the term of the contract. (TEX. GOV'T CODE Ch. 2270)

"Boycott Israel" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes. TEX. GOV'T CODE §808.001(1).

By signature below, I certify and verify that Vendor does not boycott Israel and will not boycott Israel during the term of any contract awarded under this Proposal Invitation, that this certification is true, complete and accurate, and that I am authorized by my company to make this certification.

Lone Star Emergency Group
Company Name

Signature of Authorized Company Official

Brad Fullington
Printed Name

NO EXCLUDED NATION OR FOREIGN TERRORIST ORGANIZATION CERTIFICATION

Effective September 1, 2017, Chapter 2252 of the Texas Government Code provides that a Texas governmental entity may not enter into a contract with a company engaged in active business operations with Sudan, Iran, or a foreign terrorist organization – specifically, any company identified on a list prepared and maintained by the Texas Comptroller under Texas Government Code §§806.051, 807.051, or 2252.153. (A company that the U.S. Government affirmatively declares to be excluded from its federal sanctions regime relating to Sudan, Iran, or any federal sanctions regime relating to a foreign terrorist organization is not subject to the contract prohibition.)

By signature below, I certify and verify that Vendor is not on the Texas Comptroller's list identified above; that this certification is true, complete and accurate; and that I am authorized by my company to make this certification.

Lone Star Emergency Group
Company Name

Signature of Authorized Company Official

Brad Fullington
Printed Name

BuyBoard® Cooperative Purchasing
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HISTORICALLY UNDERUTILIZED BUSINESS CERTIFICATION

A proposer that has been certified as a Historically Underutilized Business (also known as a Minority/Women Business Enterprise or "MWBE" and all referred to in this form as a "HUB") is encouraged to indicate its HUB certification status when responding to this Proposal Invitation. The electronic catalogs will indicate HUB certifications for vendors that properly indicate and document their HUB certification on this form.

Please check (√) all that apply:

☐ I certify that my company has been certified as a HUB in the following categories:

- ☐ **Minority Owned Business**
- ☐ **Women Owned Business**
- ☐ **Service-Disabled Veteran Owned Business (veteran defined by 38 U.S.C. §101(2), who has a service-connected disability as defined by 38 U.S.C. § 101(16), and who has a disability rating of 20% or more as determined by the U. S. Department of Veterans Affairs or Department of Defense)**

Certification Number:

_____

Name of Certifying Agency:

_____

☒ My company has **NOT** been certified as a HUB.

By signature below, I certify that the above is true, complete and accurate and that I am authorized by my company to make this certification.

Lone Star Emergency Group
Company Name

Brad Fullington
Printed Name

Signature of Authorized Company Official

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CONSTRUCTION-RELATED GOODS AND SERVICES AFFIRMATION

A contract awarded under this Proposal Invitation covers only the specific goods and services awarded by the BuyBoard. As explained in the BuyBoard Procurement and Construction Related Goods and Services Advisory for Texas Members ("Advisory"), **Texas law prohibits the procurement of architecture or engineering services through a purchasing cooperative. This BuyBoard contract does not include such services. Architecture or engineering services must be procured by a Cooperative member separately, in accordance with the Professional Services Procurement Act (Chapter 2254 of the Texas Government Code) and other applicable law and local policy.**

The Advisory, available at buyboard.com/Vendor/Resources.aspx, provides an overview of certain legal requirements that are potentially relevant to a Cooperative member's procurement of construction or construction-related goods and services, including those for projects that may involve or require architecture, engineering or independent testing services. A copy of the Advisory can also be provided upon request.

By signature below, the undersigned affirms that Proposer has obtained a copy of the Advisory, has read and understands the Advisory, and is authorized by Proposer to make this affirmation. If Proposer sells construction-related goods or services to a Cooperative member under a BuyBoard contract awarded under this Proposal Invitation, Proposer will comply with the Advisory and applicable legal requirements, make a good faith effort to make its Cooperative member customers or potential Cooperative member customers aware of such requirements, and provide a Cooperative member with a copy of the Advisory before executing a Member Construction Contract with the member or accepting the member's purchase order for construction-related goods or services, whichever comes first.

Lone Star Emergency Group
Company Name

Signature of Authorized Company Official

Brad Fullington
Printed Name

03/22/2018
Date

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DEVIATION AND COMPLIANCE

If your company intends to deviate from the General Terms and Conditions, Proposal Specifications or other requirements associated with this Proposal Invitation, you MUST list all such deviations on this form, and provide complete and detailed information regarding the deviations on this form or an attachment to this form. The Cooperative will consider any deviations in its contract award decision, and reserves the right to accept or reject a proposal based upon any submitted deviation.

In the absence of any deviation identified and described in accordance with the above, your company must fully comply with the General Terms and Conditions, Proposal Specifications and all other requirements associated with this Proposal Invitation if awarded a contract under this Proposal Invitation. A deviation will not be effective unless accepted by the Cooperative. The Cooperative may, in its sole discretion, seek clarification from and/or communicate with Proposer(s) regarding any submitted deviation, consistent with general procurement principles of fair competition. The Cooperative reserves the right to accept or reject a proposal based upon any submitted deviation.

Please check (√) one of the following:

☐ **No**; Deviations
☒ **Yes**; Deviations

Deviations submitted by vendor ***have been accepted*** by BuyBoard.

Connie W Burkett, *CTSBS*
BuyBoard Contract Administrator

List and fully explain any deviations you are submitting:

2-Door Commercial Chassis will be provided with 2 seats IPO a bench seat.

PLEASE PROVIDE THE FOLLOWING INFORMATION:

1. Shipping Via: ☐ Common Carrier ☐ Company Truck ☐ Prepaid and Add to Invoice ☒ Other:
Fire Apparatus will be driven to customer under its own power.

2. Payment Terms: ☐ Net 30 days ☐ 1% in 10/Net 30 days ☒ Other:
Payment due on delivery and acceptance of fire apparatus.

3. Number of Days for Delivery: Varies by product ARO

4. Vendor Reference/Quote Number: BuyBoard2018

5. State your return policy: Returns of fire apparatus not allowed

6. Are electronic payments acceptable? ☒ Yes ☐ No

7. Are credit card payments acceptable? ☐ Yes ☐ No

Lone Star Emergency Group
Company Name

Signature of Authorized Company Official

Brad Fullington
Printed Name

LOCATION/AUTHORIZED SELLER LISTINGS

If you have more than one location/authorized seller that will service a contract awarded under this Proposal Invitation, please list each location/authorized seller below. If additional sheets are required, please duplicate this form as necessary. NOTE: Awarded Vendors shall remain responsible for all aspects of the Contract, including processing of Purchase Orders, and shall be responsible for the performance of all locations and authorized sellers under and in accordance with the Contract. If you are a product manufacturer and wish to designate Designated Dealers as defined in the General Terms and Conditions to receive Cooperative member Purchase Orders on your behalf, you must complete the Manufacturer Designated Dealer form.

Lone Star Emergency Group
Company Name

24635 Interstate 45 Bldg. H
Address

Spring | Texas | 77380
City | State | Zip

800-332-4702 | 832-534-4148
Phone Number | Fax Number

David Bessolo
Contact Person

Company Name

Address

City | State | Zip

Phone Number | Fax Number

Contact Person

MANUFACTURER DEALER DESIGNATION

If Vendor is a manufacturer that sells products through a dealer network and wishes to designate a dealer or multiple dealers ("Designated Dealers") to receive Cooperative member Purchase Orders on Vendor's behalf, you must complete this form for each dealer you wish to designate.

Regardless of any Designated Dealers submitted by Vendor, Vendor specifically agrees and acknowledges that any such designations are for Vendor's convenience only and shall not, if Vendor is awarded a Contract, relieve Vendor of any obligations under the Contract, including payment of Cooperative service fees on all Purchase Orders submitted to Vendor or any Designated Dealer. In accordance with the General Terms and Conditions, an awarded Vendor shall remain responsible and liable for all of its obligations under the Contract and the performance of both Vendor and any of Vendor's Designated Dealers under and in accordance with the Contract and remain subject to all remedies for default thereunder, including, but not limited to suspension and termination of Vendor's Contract for nonpayment of service fees.

If awarded, Vendor authorizes the Cooperative, in its sole discretion, to list any Vendor Designated Dealers in the BuyBoard system and to receive Purchase Orders directly from Cooperative members on behalf of Vendor. To the extent a Vendor with Designated Dealers receives a Purchase Order directly, it shall be the responsibility of Vendor to appropriately process such Purchase Order in accordance with the Contract, including but not limited to timely forwarding such Purchase Order to a Designated Dealer for processing.

The Cooperative reserves the right, in its sole discretion, to refuse addition of, or request removal of, any Designated Dealer, and Vendor agrees to immediately require such Designated Dealer to cease accepting Purchase Orders or otherwise acting on Vendor's behalf under the Contract. Further, the Cooperative's administrator shall be authorized to remove or suspend any or all Designated Dealers from the BuyBoard at any time in its sole discretion.

If you wish to designate a dealer to service a contract awarded under this Proposal Invitation, please list the Designated Dealer below and have this form signed by an official of your company authorized to make such designation. If you wish to designate multiple dealers, please duplicate this form as necessary.

_____
Designated Dealer Name

_____
Designated Dealer Address

_____ _____ _____
City State Zip

_____ _____
Phone Number Fax Number

_____ _____
Email address Designated Dealer Tax ID Number* **(*attach W-9)**

_____
Designated Dealer Contact Person

_____ _____
Your Company Name Signature of Authorized Company Official

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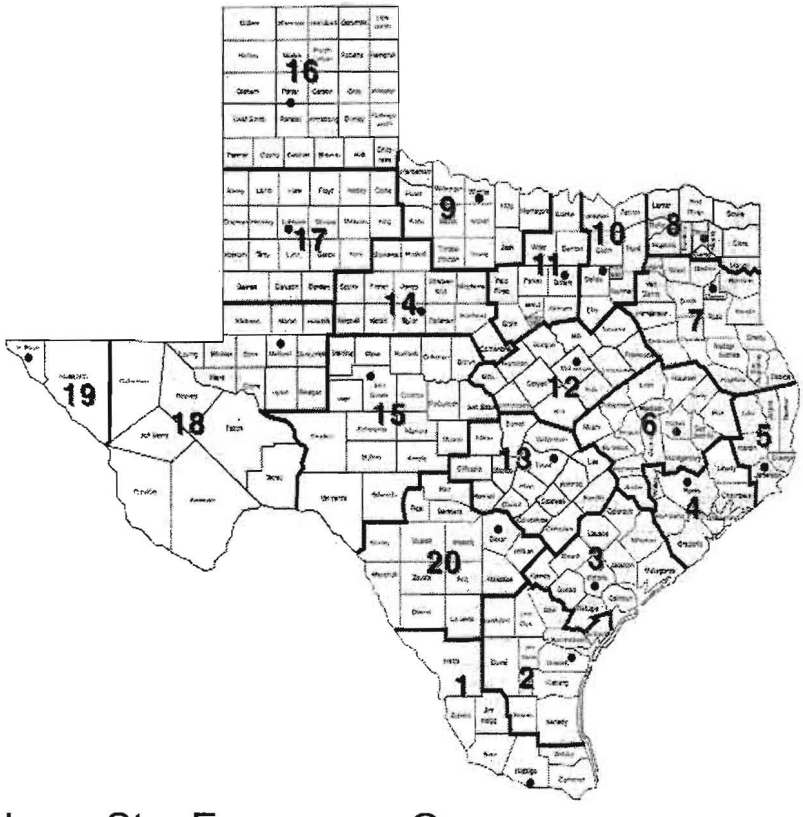
TEXAS REGIONAL SERVICE DESIGNATION

The Cooperative (referred to as "Texas Cooperative" in this form and in the State Service Designation form) offers vendors the opportunity to service its members throughout the entire State of Texas. If you do not plan to service all Texas Cooperative members statewide, you **must** indicate the specific regions you will service on this form. ***If you propose to serve different regions for different products or services included in your proposal, you must complete and submit a separate Texas Regional Service Designation form for each group of products and clearly indicate the products or services to which the designation applies in the space provided at the end of this form. By designating a region or regions, you are certifying that you are authorized and willing to provide the proposed products and services in those regions. Designating regions in which you are either unable or unwilling to provide the specified products and services shall be grounds for either rejection of your proposal or, if awarded, termination of your Contract.*** Additionally, if you do not plan to service Texas Cooperative members (i.e., if you will service only states other than Texas), you must so indicate on this form.

Regional Education Service Centers



Lone Star Emergency Group
Company Name

Signature of Authorized Company Official

Brad Fullington
Printed Name

☒ **I will service Texas Cooperative members statewide.**

☐ **I will not service Texas Cooperative members statewide. I will only service members in the regions checked below:**

	Region	Headquarters
☐	1	Edinburg
☐	2	Corpus Christi
☐	3	Victoria
☐	4	Houston
☐	5	Beaumont
☐	6	Huntsville
☐	7	Kilgore
☐	8	Mount Pleasant
☐	9	Wichita Falls
☐	10	Richardson
☐	11	Fort Worth
☐	12	Waco
☐	13	Austin
☐	14	Abilene
☐	15	San Angelo
☐	16	Amarillo
☐	17	Lubbock
☐	18	Midland
☐	19	El Paso
☐	20	San Antonio

☐ I will not service members of the Texas Cooperative.

If this Texas Regional Service Designation form applies to only one or some of the products and services proposed by Vendor, list the products and services to which this form applies here:

All

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STATE SERVICE DESIGNATION

The Cooperative offers vendors the opportunity to service other governmental entities in the United States, including intergovernmental purchasing cooperatives such as the National Purchasing Cooperative BuyBoard. You must complete this form if you plan to service the entire United States, or will service only the specific states indicated. *(Note: If you plan to service Texas Cooperative members, be sure that you complete the Texas Regional Service Designation form.)*

If you serve different states for different products or services included in your proposal, you must complete and submit a separate State Service Designation form for each group of products and clearly indicate the products or services to which the designation applies in the space provided at the end of this form. By designating a state or states, you are certifying that you are authorized and willing to provide the proposed products and services in those states. Designating states in which you are either unable or unwilling to provide the specified products and services shall be grounds for either rejection of your proposal or, if awarded, termination of your Contract.

Please check (√) all that apply:

☐ I will service all states in the United States.

■ I will not service all states in the United States. I will service only the states checked below:

- ☐ Alabama
- ☐ Alaska
- ☐ Arizona
- ☐ Arkansas
- ☐ California (Public Contract Code 20118 & 20652)
- ☐ Colorado
- ☐ Connecticut
- ☐ Delaware
- ☐ District of Columbia
- ☐ Florida
- ☐ Georgia
- ☐ Hawaii
- ☐ Idaho
- ☐ Illinois
- ☐ Indiana
- ☐ Iowa
- ☐ Kansas
- ☐ Kentucky
- ☐ Louisiana
- ☐ Maine
- ☐ Maryland
- ☐ Massachusetts
- ☐ Michigan
- ☐ Minnesota
- ☐ Mississippi
- ☐ Missouri
- ☐ Montana
- ☐ Nebraska
- ☐ Nevada
- ☐ New Hampshire
- ☐ New Jersey
- ☐ New Mexico
- ☐ New York
- ☐ North Carolina
- ☐ North Dakota
- ☐ Ohio
- ☐ Oklahoma
- ☐ Oregon
- ☐ Pennsylvania
- ☐ Rhode Island
- ☐ South Carolina
- ☐ South Dakota
- ☐ Tennessee
- ■ Texas
- ☐ Utah
- ☐ Vermont
- ☐ Virginia
- ☐ Washington
- ☐ West Virginia
- ☐ Wisconsin
- ☐ Wyoming

This form will be used to ensure that you can service other governmental entities throughout the United States as indicated. Your signature below confirms that you understand your service commitments during the term of a contract awarded under this proposal.

Lone Star Emergency Group
Company Name

Signature of Authorized Company Official

Brad Fullington
Printed Name

If this State Service Designation form applies to only one or some of the products and services proposed by Vendor, list the products and services to which this form applies here:

All

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NATIONAL PURCHASING COOPERATIVE VENDOR AWARD AGREEMENT

In accordance with the Terms and Conditions associated with this Proposal Invitation, a contract awarded under this Proposal Invitation may be "piggy-backed" by another governmental entity. The National Purchasing Cooperative is an intergovernmental purchasing cooperative formed by certain school districts outside of Texas to serve its members throughout the United States. If you agree to be considered for a piggy-back award by the National Purchasing Cooperative, you agree to the following terms and agree to serve National Purchasing Cooperative members in the states you have indicated on the State Service Designation form, in your Proposal.

By signing this form, Proposer (referred to in this Agreement as "Vendor") agrees as follows:

1. Vendor acknowledges that if The Local Government Purchasing Cooperative ("Texas Cooperative") awards Vendor a contract under this Proposal Invitation ("Underlying Award"), the National Purchasing Cooperative ("National Cooperative") may - but is not required to - "piggy-back" on or re-award all or a portion of that Underlying Award ("Piggy-Back Award"). By signing this National Cooperative Vendor Award Agreement ("Agreement"), Vendor accepts and agrees to be bound by any such Piggy-Back Award as provided for herein.

2. In the event National Cooperative awards Vendor a Piggy-Back Award, the National Cooperative Administrator ("BuyBoard Administrator") will notify Vendor in writing of such Piggy-Back Award, which award shall commence on the effective date stated in the Notice and end on the expiration date of the Underlying Award, subject to annual renewals as authorized in writing by the BuyBoard Administrator. Vendor agrees that no further signature or other action is required of Vendor in order for the Piggy-Back Award and this Agreement to be binding upon Vendor. Vendor further agrees that no interlineations or changes to this Agreement by Vendor will be binding on National Cooperative, unless such changes are agreed to by its BuyBoard Administrator in writing.

3. Vendor agrees that it shall offer its goods and services to National Cooperative members at the same unit pricing and same general terms and conditions, subject to applicable state laws in the state of purchase, as required by the Underlying Award. However, nothing in this Agreement prevents Vendor from offering National Cooperative members better (i.e., lower) competitive pricing and more favorable terms and conditions than those in the Underlying Award.

4. Vendor hereby agrees and confirms that it will serve those states it has designated on the State Service Designation Form of this Proposal Invitation. Any changes to the states designated on the State Service Designation Form must be approved in writing by the BuyBoard Administrator.

5. Vendor agrees to pay National Cooperative the service fee provided for in the Underlying Award based on the amount of purchases generated from National Cooperative members through the Piggy-Back Award. Vendor shall remit payment to National Cooperative on such schedule as it specifies (which shall not be more often than monthly). Further, upon request, Vendor shall provide National Cooperative with copies of all purchase orders generated from National Cooperative members for purposes of reviewing and verifying purchase activity. Vendor further agrees that National Cooperative shall have the right, upon reasonable written notice, to review Vendor's records pertaining to purchases made by National Cooperative members in order to verify the accuracy of service fees.

6. Vendor agrees that the Underlying Award, including its General Terms and Conditions, are adopted by reference to the fullest extent such provisions can reasonably apply to the post-proposal/contract award phase. The rights and responsibilities that would ordinarily inure to the Texas Cooperative pursuant to the Underlying Award shall inure to National Cooperative; and, conversely, the rights and responsibilities that would ordinarily inure to Vendor in the Underlying Award shall inure to Vendor in this Agreement. Vendor recognizes and agrees that Vendor and National Cooperative are the only parties to this Agreement, and that nothing in this Agreement has application to other third parties, including the Texas Cooperative. In the event of conflict between this Agreement and the terms of the Underlying Award, the terms of this Agreement shall control, and then only to the extent necessary to reconcile the conflict.

7. This Agreement shall be governed and construed in accordance with the laws of the State of Rhode Island and venue for any dispute shall lie in the federal district court of Alexandria, Virginia.

8. Vendor acknowledges and agrees that the award of a Piggy-Back Award is within the sole discretion of National Cooperative, and that this Agreement does not take effect unless and until National Cooperative awards Vendor a Piggy-Back Award and the BuyBoard Administrator notifies Vendor in writing of such Piggy-Back Award as provided for herein.

WHEREFORE, by signing below Vendor agrees to the foregoing and warrants that it has the authority to enter into this Agreement.

Lone Star Emergency Group	571-18
Name of Vendor	Proposal Invitation Number
Signature of Authorized Company Official	Brad Fullington
	Printed Name of Authorized Company Official

3/22/2818
Date

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FEDERAL AND STATE/PURCHASING COOPERATIVE EXPERIENCE

The Cooperative strives to provide its members with the best services and products at the best prices available from vendors with the technical resources and ability to serve Cooperative members. Please respond to the following questions.

1. Provide the dollar value of sales to or through purchasing cooperatives at or based on an established catalog or market price during the previous 12-month period or the last fiscal year: $0.00. (The period of the 12 month period is _____/_____). In the event that a dollar value is not an appropriate measure of the sales, provide and describe your own measure of the sales of the item(s).

2. By submitting a proposal, you agree that, based on your written discounting policies, the discounts you offer the Cooperative are equal to or better than the best price you offer other purchasing cooperatives for the same items under equivalent circumstances.

3. Provide the information requested below for other purchasing cooperatives for which Proposer currently serves, or in the past has served, as an awarded vendor. Rows should be added to accommodate as many purchasing cooperatives as required.

PURCHASING GROUP	CURRENT VENDOR? (Y/N)	FORMER VENDOR (Y/N)? – IF YES, LIST YEARS AS VENDOR	AWARDED COMMODITY CATEGORY(IES)
1. Federal General Services Administration			
2. T-PASS (State of Texas)			
3. U.S. Communities Purchasing Alliance			
4. National IPA/TCPN			
5. Houston-Galveston Area Council (HGAC)	Y	N	Fire Apparatus
6. National Joint Powers Alliance (NJPA)			
7. E&I Cooperative			
8. The Interlocal Purchasing System (TIPS)			
9. Other			

☐ **MY COMPANY DOES NOT CURRENTLY HAVE ANY OF THE ABOVE OR SIMILAR TYPE CONTRACTS.**

CURRENT BUYBOARD VENDORS

If you are a current BuyBoard vendor in the same contract category as proposed in this Proposal Invitation, indicate the discount for your current BuyBoard contract and the proposed discount in this Proposal. Explain any difference between your current and proposed discounts.

Current Discount (%):_____ **Proposed Discount (%):**_____

Explanation: _____

_____

By signature below, I certify that the above is true, complete and accurate and that I am authorized by my company to make this certification.

Lone Star Emergency Group
Company Name

Signature of Authorized Company Official

Brad Fullington
Printed Name

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GOVERNMENTAL REFERENCES

For your Proposal to be considered, you must supply a minimum of five (5) individual governmental entity references. The Cooperative may contact any and all references provided as part of the Proposal evaluation. Provide the information requested below, including the existing price/discounts you offer each customer. The Cooperative may determine whether prices/discounts are fair and reasonable by comparing prices/discounts stated in your Proposal with the prices/discounts you offer other governmental customers. Attach additional pages if necessary.

Entity Name	Contact	Phone#	Email Address	Discount	Quantity/ Volume
1. Richardson Fire Department	Ernie Ramos	972-744-4421	ernie.ramos@cor.gov		
2. Rockwall Fire Department	Chief Brett Merritt	241-460-8651	bmerritt@rockwall.com		
3. Crosby Fire Department	Chief Alan Kulak	281-932-1465	akkulak@comcast.net		
4. Atascocita Fire Department	Chief Mike Mulligan	281-852-2181	mmulligan@avfd.com		
5. Rowlett Fire Department	Chief Neal Howard	972-412-6230	nhoward@rowlett.com		

Do you ever modify your written policies or standard governmental sales practices as identified in the above chart to give better discounts (lower prices) than indicated? **YES** ■ **NO** ☐ If YES, please explain:

Multi Truck Discounts

By signature below, I certify that the above is true and correct and that I am authorized by my company to make this certification.

Lone Star Emergency Group
Company Name

Signature of Authorized Company Official

Brad Fullington
Printed Name

MARKETING STRATEGY

For your Proposal to be considered, you must submit the Marketing Strategy you will use if the Cooperative accepts all or part of your Proposal. *(Example: Explain how your company will initially inform Cooperative members of your BuyBoard contract, and how you will continue to support the BuyBoard for the duration of the contract period.)*

Attach additional pages if necessary.

Lone Star Emergency Group will advertise BuyBoard on social media and at trade shows.

Lone Star Emergency Group
Company Name

Signature of Authorized Company Official

Brad Fullington
Printed Name

CONFIDENTIAL/PROPRIETARY INFORMATION

A. Public Disclosure Laws

All Proposals, forms, documentation, or other materials submitted by Vendor to the Cooperative in response to this Proposal Invitation, including catalogs and pricelists, may be subject to the disclosure requirements of the Texas Public Information Act (Texas Government Code chapter 552.001, *et. seq.*) or similar disclosure law. Proposer must clearly identify on this form any information in its Proposal (including forms, documentation, or other materials submitted with the Proposal) that Proposer considers proprietary or confidential. If Proposer fails to properly identify the information, the Cooperative shall have no obligation to notify Vendor or seek protection of such information from public disclosure should a member of the public or other third party request access to the information under the Texas Public Information Act or similar disclosure law. Proposer will be notified of any third party request for information in a Proposal that Proposer has identified in this form as proprietary or confidential.

Does your Proposal (including forms, documentation, or other materials submitted with the Proposal) contain information which Vendor considers proprietary or confidential?

Please check (√) one of the following:

☒ **NO**, I certify that none of the information included with this Proposal is considered confidential or proprietary.

☐ **YES**, I certify that this Proposal contains information considered confidential or proprietary and all such information is specifically identified on this form.

If you responded "YES", you must identify below the specific information you consider confidential or proprietary. List each page number, form number, or other information sufficient to make the information readily identifiable. The Cooperative and its Administrator will not be responsible for a Proposer's failure to clearly identify information considered confidential or proprietary. Further, by submitting a Proposal, Proposer acknowledges that the Cooperative and its Administrator will disclose information when required by law, even if such information has been identified herein as information the vendor considers confidential or proprietary.

Confidential / Proprietary Information:

_____

_____

_____

_____

_____

(Attach additional sheets if needed.)

B. Copyright Information

Does your Proposal (including forms, documentation, or other materials submitted with the Proposal) contain copyright information?

Please check (√) one of the following:

☐ **NO,** Proposal (including forms, documentation, or other materials submitted with the Proposal) does not contain copyright information.

☒ **YES,** Proposal (including forms, documentation, or other materials submitted with the Proposal) does contain copyright information.

If you responded "YES", identify below the specific documents or pages containing copyright information.

Copyright Information: The E-One name and logo and Lone Star Emergency Group name and logo are copyrighted.

(Attach additional sheets if needed.)

C. Consent to Release Confidential/Proprietary/Copyright Information to BuyBoard Members

BuyBoard members (Cooperative and nonprofit members) seeking to make purchases through the BuyBoard may wish to view information included in the Proposals of awarded Vendors. If you identified information on this form as confidential, proprietary, or subject to copyright, and you are awarded a BuyBoard contract, your acceptance of the BuyBoard contract award constitutes your consent to the disclosure of such information to BuyBoard members, including posting of such information on the secure BuyBoard website for members. Note: Neither the Cooperative nor its Administrator will be responsible for the use or distribution of information by BuyBoard members or any other party.

D. Consent to Release Proposal Tabulation

Notwithstanding anything in this Confidential/Proprietary Information form to the contrary, by submitting a Proposal, Vendor consents and agrees that, upon Contract award, the Cooperative may publically release, including posting on the public BuyBoard website, a copy of the proposal tabulation for the Contract including Vendor name; proposed catalog/pricelist name(s); proposed percentage discount(s), hourly labor rate(s), or other specified pricing; and Vendor award or non-award information.

By signature below, I certify that the information in this form is true, complete, and accurate and that I am authorized by my company to make this certification and all consents and agreements contained herein.

Lone Star Emergency Group
Company Name

Signature of Authorized Company Official

Brad Fullington
Printed Name

03/22/2018
Date

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VENDOR BUSINESS NAME

By submitting a Proposal, Proposer is seeking to enter into a legal contract with the Cooperative. As such, a Proposer must be an individual or legal business entity capable of entering into a binding contract. Proposers, must completely and accurately provide the information requested below or your Proposal may be deemed non-responsive.

Name of Proposing Company: HFJ Group LLC

*(List the **legal** name of the company seeking to contract with the Cooperative. Do NOT list an assumed name, dba, aka, etc. here. Such information may be provided below. If you are submitting a joint proposal with another entity to provide the same proposed goods or services, each submitting entity should complete a separate vendor information form. Separately operating legal business entities, even if affiliated entities, which propose to provide goods or services separately must submit their own Proposals.)*

Please check (√) one of the following:

Type of Business:

Individual/Sole Proprietor	____
Corporation	____
Limited Liability Company	x
Partnership	____
Other	____

If other, identify _____

State of Incorporation (if applicable): Texas

Federal Employer Identification Number: 82-3201330

(Vendor must include a completed IRS W-9 form with their proposal)

List the Name(s) by which Vendor, if awarded, wishes to be identified on the BuyBoard: *(Note: If different than the Name of Proposing Company listed above, only valid trade names (dba, aka, etc.) of the Proposing Company may be used and a copy of your Assumed Name Certificate(s), if applicable, must be attached.)*

Lone Star Emergency Group

Form **W-9**
(Rev. August 2013)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

Give Form to the requester. Do not send to the IRS.

Print or type
See Specific Instructions on page 2.

Name (as shown on your income tax return)
HFJ, LLC D/B/A Lone Star Emergency Group

Business name/disregarded entity name, if different from above

Check appropriate box for federal tax classification:
☐ Individual/sole proprietor ☐ C Corporation ☐ S Corporation ☐ Partnership ☐ Trust/estate

☑ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ C

☐ Other (see instructions) ▶

Exemptions (see instructions):
Exempt payee code (if any) _____
Exemption from FATCA reporting code (if any) _____

Address (number, street, and apt. or suite no.)
24635 I-45 Building H

Requester's name and address (optional)

City, state, and ZIP code
Spring, TX 77380

List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Social security number
[ ][ ][ ] - [ ][ ] - [ ][ ][ ][ ]

Employer identification number
8 2 - 3 2 0 1 3 3 0

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. citizen or other U.S. person (defined below), and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign Here Signature of U.S. person ▶ [signature] Date ▶ 2/6/18

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. The IRS has created a page on IRS.gov for information about Form W-9, at *www.irs.gov/w9*. Information about any future developments affecting Form W-9 (such as legislation enacted after we release it) will be posted on that page.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, payments made to you in settlement of payment card and third party network transactions, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct.

Note. If you are a U.S. person and a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax under section 1446 on any foreign partners' share of effectively connected taxable income from such business. Further, in certain cases where a Form W-9 has not been received, the rules under section 1446 require a partnership to presume that a partner is a foreign person, and pay the section 1446 withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid section 1446 withholding on your share of partnership income.

EDGAR VENDOR CERTIFICATION

(2 CFR Part 200 and Appendix II)

When a Cooperative member seeks to procure goods and services using funds under a federal grant or contract, specific federal laws, regulations, and requirements may apply in addition to those under state law. This includes, but is not limited to, the procurement standards of the Uniform Administrative Requirements, Cost Principles and Audit Requirements for Federal Awards, 2 CFR 200 (sometimes referred to as the "Uniform Guidance" or new "EDGAR"). All Vendors submitting proposals must complete this EDGAR Certification Form regarding Vendor's willingness and ability to comply with certain requirements which ***may*** be applicable to specific Cooperative member purchases using federal grant funds. This completed form will be made available to Cooperative members for their use while considering their purchasing options when using federal grant funds. Cooperative members may also require Vendors to enter into ancillary agreements, in addition to the BuyBoard contract's general terms and conditions, to address the member's specific contractual needs, including contract requirements for a procurement using federal grants or contracts.

For each of the items below, Vendor should certify Vendor's agreement and ability to comply, where applicable, by having Vendor's authorized representative complete and initial the applicable boxes and sign the acknowledgment at the end of this form. If you fail to complete any item in this form, the Cooperative will consider and may list the Vendor's response on the BuyBoard as "NO," the Vendor is unable or unwilling to comply. A "NO" response to any of the items may, if applicable, impact the ability of a Cooperative member to purchase from the Vendor using federal funds.

1. Vendor Violation or Breach of Contract Terms:

Contracts for more than the simplified acquisition threshold currently set at $150,000, which is the inflation adjusted amount determined by the Civilian Agency Acquisition Council and the Defense Acquisition Regulations Council (Councils) as authorized by 41 USC 1908, must address administrative, contractual, or legal remedies in instances where contractors violate or breach contract terms, and provide for such sanctions and penalties as appropriate.

Provisions regarding Vendor default are included in the BuyBoard General Terms and Conditions, including Section E.18, Remedies for Default and Termination of Contract. Any Contract award will be subject to such BuyBoard General Terms and Conditions, as well as any additional terms and conditions in any Purchase Order, Cooperative member ancillary contract, or Member Construction Contract agreed upon by Vendor and the Cooperative member which must be consistent with and protect the Cooperative member at least to the same extent as the BuyBoard Terms and Conditions.

The remedies under the Contract are in addition to any other remedies that may be available under law or in equity. By submitting a Proposal, you agree to these Vendor violation and breach of contract terms.

2. Termination for Cause or Convenience:

For any Cooperative member purchase or contract in excess of $10,000 made using federal funds, you agree that the following term and condition shall apply:

The Cooperative member may terminate or cancel any purchase order under this Contract at any time, with or without cause, by providing seven (7) business days advance written notice to the Vendor. If this Agreement is terminated in accordance with this Paragraph, the Cooperative member shall only be required to pay Vendor for goods or services delivered to the Cooperative member prior to the termination and not otherwise returned in accordance with Vendor's return policy. If the Cooperative member has paid Vendor for goods or services not yet provided as of the date of termination, Vendor shall immediately refund such payment(s).

If an alternate provision for termination of a Cooperative member purchase for cause and convenience, including the manner by which it will be effected and the basis for settlement, is included in the Cooperative member's purchase order, ancillary agreement, or Member Construction Contract agreed to by the Vendor, the Cooperative member's provision shall control.

3. Equal Employment Opportunity:
Except as otherwise provided under 41 CFR Part 60, all Cooperative member purchases or contracts that meet the definition of "federally assisted construction contract" in 41 CFR Part 60-1.3 shall be deemed to include the equal opportunity clause provided under 41 CFR 60-1.4(b), in accordance with Executive Order 11246, "Equal Employment Opportunity" (30 FR 12319, 12935, 3 CFR Part, 1964-1965 Comp., p. 339), as amended by Executive Order 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," and implementing regulations at 41 CFR Part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor."

The equal opportunity clause provided under 41 CFR 60-1.4(b) is hereby incorporated by reference. Vendor agrees that such provision applies to any Cooperative member purchase or contract that meets the definition of "federally assisted construction contract" in 41 CFR Part 60-1.3 and Vendor agrees that it shall comply with such provision.

4. Davis-Bacon Act:
When required by Federal program legislation, Vendor agrees that, for all Cooperative member prime construction contracts/purchases in excess of $2,000, Vendor shall comply with the Davis-Bacon Act (40 USC 3141-3144, and 3146-3148) as supplemented by Department of Labor regulations (29 CFR Part 5, "Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction"). In accordance with the statute, Vendor is required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determinate made by the Secretary of Labor. In addition, Vendor shall pay wages not less than once a week.

Current prevailing wage determinations issued by the Department of Labor are available at wdol.gov. Vendor agrees that, for any purchase to which this requirement applies, the award of the purchase to the Vendor is conditioned upon Vendor's acceptance of the wage determination.

Vendor further agrees that it shall also comply with the Copeland "Anti-Kickback" Act (40 USC 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"). The Act provides that each contractor or subrecipient must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled.

5. Contract Work Hours and Safety Standards Act:
Where applicable, for all Cooperative member contracts or purchases in excess of $100,000 that involve the employment of mechanics or laborers, Vendor agrees to comply with 40 USC 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 USC 3702 of the Act, Vendor is required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 USC 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

6. Right to Inventions Made Under a Contract or Agreement:
If the Cooperative member's Federal award meets the definition of "funding agreement" under 37 CFR 401.2(a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance or experimental, developmental, or research work under that "funding agreement," the recipient or subrecipient must comply with the requirements of 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency.

Vendor agrees to comply with the above requirements when applicable.

7. Clean Air Act and Federal Water Pollution Control Act:
Clean Air Act (42 USC 7401-7671q.) and the Federal Water Pollution Control Act (33 USC 1251-1387), as amended – Contracts and subgrants of amounts in excess of $150,000 must contain a provision that requires the non-Federal award to agree to comply with all applicable standards, orders, or regulations issued pursuant to the Clean Air Act (42 USC 7401-7671q.) and the Federal Water Pollution Control Act, as amended (33 USC 1251-1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

When required, Vendor agrees to comply with all applicable standards, orders, or regulations issued pursuant to the Clean Air Act and the Federal Water Pollution Control Act.

8. Debarment and Suspension:
Debarment and Suspension (Executive Orders 12549 and 12689) – A contract award (see 2 CFR 180.220) must not be made to parties listed on the government-wide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 CFR 180 that implement Executive Orders 12549 (3 CFR Part 1966 Comp. p. 189) and 12689 (3 CFR Part 1989 Comp. p. 235), "Debarment and Suspension." SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549.

Vendor certifies that Vendor is not currently listed on the government-wide exclusions in SAM, is not debarred, suspended, or otherwise excluded by agencies or declared ineligible under statutory or regulatory authority other than Executive Order 12549. Vendor further agrees to immediately notify the Cooperative and all Cooperative members with pending purchases or seeking to purchase from Vendor if Vendor is later listed on the government-wide exclusions in SAM, or is debarred, suspended, or otherwise excluded by agencies or declared ineligible under statutory or regulatory authority other than Executive Order 12549.

9. Byrd Anti-Lobbying Amendment:
Byrd Anti-Lobbying Amendment (31 USC 1352) -- Vendors that apply or bid for an award exceeding $100,000 must file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 USC 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award. As applicable, Vendor agrees to file all certifications and disclosures required by, and otherwise comply with, the Byrd Anti-Lobbying Amendment (31 USC 1352).

10. Procurement of Recovered Materials:
For Cooperative member purchases utilizing Federal funds, Vendor agrees to comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act where applicable and provide such information and certifications as a Cooperative member may require to confirm estimates and otherwise comply. The requirements of Section 6002 include procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR Part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds $10,000 or the value of the quantity acquired during the preceding fiscal year exceeded $10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery, and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.

11. Profit as a Separate Element of Price:
For purchases using federal funds in excess of $150,000, a Cooperative member may be required to negotiate profit as a separate element of the price. See, 2 CFR 200.323(b). When required by a Cooperative member, Vendor agrees to provide information and negotiate with the Cooperative member regarding profit as a separate element of the price for a particular purchase. However, Vendor agrees that the total price, including profit, charged by Vendor to the Cooperative member shall not exceed the awarded pricing, including any applicable discount, under Vendor's Cooperative Contract.

12. General Compliance and Cooperation with Cooperative Members:
In addition to the foregoing specific requirements, Vendor agrees, in accepting any Purchase Order from a Cooperative member, it shall make a good faith effort to work with Cooperative members to provide such information and to satisfy such requirements as may apply to a particular Cooperative member purchase or purchases including, but not limited to, applicable recordkeeping and record retention requirements.

Vendor Certification Item No.	Vendor Certification: **YES**, I agree or **NO**, I do NOT agree	Initial
1. Vendor Violation or Breach of Contract Terms	YES	
2. Termination for Cause or Convenience	NO	
3. Equal Employment Opportunity	YES	
4. Davis-Bacon Act	YES	
5. Contract Work Hours and Safety Standards Act	YES	
6. Right to Inventions Made Under a Contract or Agreement	YES	
7. Clean Air Act and Federal Water Pollution Control Act	YES	
8. Debarment and Suspension	YES	
9. Byrd Anti-Lobbying Amendment	YES	
10. Procurement of Recovered Materials	YES	
11. Profit as a Separate Element of Price	YES	
12. General Compliance and Cooperation with Cooperative Members	YES	

By signature below, I certify that the information in this form is true, complete, and accurate and that I am authorized by my company to make this certification and all consents and agreements contained herein.

Lone Star Emergency Group
Company Name

Signature of Authorized Company Official

Brad Fullington
Printed Name

PROPOSAL INVITATION QUESTIONNAIRE

The Cooperative will use your responses to the questions below in evaluating your Proposal and technical and financial resources to provide the goods and perform the services ("Work") under the BuyBoard contract contemplated by this Proposal Invitation ("Contract"). Proposers must fully answer each question, numbering your responses to correspond to the questions/numbers below. Proposers must complete below or attach your responses to this questionnaire, sign where indicated below, and submit the signed questionnaire and your responses to all questions in one document with your Proposal. **You must submit the signed questionnaire and responses with your Proposal or the Proposal will not be considered.**

1. List the number of years Proposer has been in business and former business names (if applicable). Note whether your company is currently for sale or involved in any transaction that would significantly alter its business or result in acquisition by another entity.

Lone Star Emergency Group has been in business since November 2017.

The company is not currently for sale

2. Describe the resources Proposer has to manage staff and successfully perform the Work contemplated under this Contract. State the number and summarize the experience of company personnel who may be utilized for the Work, including those who will be available to Cooperative members for assistance with project development, technical issues, and product selection for Work associated with this Contract.

Lone Star Emergency Group is a fully staffed dealership with a statewide sales force and mobile and shop technicians for servicing fire apparatus. Service locations in Houston, Dallas, and Lubbock

3. Describe Proposer's financial capability to perform the Contract. State or describe the firm's financial strength and rating, bonding capacity, and insurance coverage limits. State whether the firm, or any of the firm's past or present owners, principal shareholders or stockholders, or officers, have been a debtor party to a bankruptcy, receivership, or insolvency proceeding in the last 7 years, and identify any such debtor party by name and relationship to or position with your firm.

Lone Star Emergency Group has the backing of the REV Group (The parent company of E-One). Lone Star maintains 10,000,000 in insurance.

4. Does your company have any outstanding financial judgments and/or is it currently in default on any loan or financing agreement? If so, provide detailed information on the nature of such items and prospects for resolution.

None

5. List all contracts, if any, in the last 10 years on which Proposer has defaulted, failed to complete or deliver the work, or that have been terminated for any reason. For each such contract, provide the project name, scope, value and date and the name of the procuring entity. Fully explain the circumstances of the default, failure to complete or deliver the work, or termination.

None

6. List all litigation or other legal proceedings (including arbitration proceedings), if any, in the last 10 years brought against your firm, or any of the firm's past or present owners, principal shareholders or stockholders, officers, agents or employees, that relates to or arises from a contract similar to this Contract or the work contemplated under this Contract. Provide the style of the lawsuit or proceeding (name of parties and court or tribunal in which filed), nature of the claim, and resolution or current status.

None

By signature below, I certify that the information contained in and/or attached to this Proposal Invitation Questionnaire in response to the above questions is true and correct and that I am authorized by my company to make this certification.

Lone Star Emergency Group

Company Name

Signature of Authorized Company Official

BuyBoard® Cooperative Purchasing
12007 Research Boulevard • Austin, Texas 78759-2439 · PH: 800-695-2919 • FAX: 800-211-5454 • buyboard.com

REQUIRED FORMS CHECKLIST

(Please check (√) the following)

- [X] Completed: **Proposer's Agreement and Signature**
- [X] Completed: **Vendor Contact Information**
- [X] Completed: **Felony Conviction Disclosure and Debarment Certification**
- [X] Completed: **Resident/Nonresident Certification**
- [X] Completed: **No Israel Boycott Certification**
- [X] Completed: **No Excluded Nation or Foreign Terrorist Organization Certification**
- [X] Completed: **Historically Underutilized Business (HUB) Certification**)
- [X] Completed: **Construction Related Goods and Services Affirmation**
- [X] Completed: **Deviation/Compliance**
- [X] Completed: **Location/Authorized Seller Listings**
- [X] Completed: **Manufacturer Dealer Designation**
- [X] Completed: **Texas Regional Service Designation**
- [X] Completed: **State Service Designation**
- [X] Completed: **National Purchasing Cooperative Vendor Award Agreement**
- [X] Completed: **Federal and State/Purchasing Cooperative Experience**
- [X] Completed: **Governmental References**
- [X] Completed: **Marketing Strategy**
- [X] Completed: **Confidential/Proprietary Information**
- [X] Completed: **Vendor Business Name with IRS Form W-9**
- [X] Completed: **EDGAR Vendor Certification**
- [X] Completed: **Proposal Invitation Questionnaire**
- [X] Completed: **Required Forms Checklist**
- [X] Completed: **Proposal Specification Form with Catalogs/Pricelists**

**Catalogs/Pricelists must be submitted with proposal response or response will not be considered.*

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

NOTE 1: Vendors should propose direct replacement models if a vehicle/truck model specified below has been discontinued by the manufacturer. All trucks must comply with or exceed all Federal Motor Vehicle Safety Standards, FMVSS. All vehicle fees to be charged for any purchase from this contract with the exception of delivery fees *(i.e. pre delivery inspection, make ready, applicable state inspection fee, manufacturer destination fees, etc.)* are to be included in the base price(s). Vehicle fees not included in the base price(s) will not be allowed. The Cooperative service fee is not a "vehicle fee" and is not to be included in the base pricing.

NOTE 2: An awarded Vendor must be approved by the manufacturer to sell, install, and service the brand of equipment submitted. Proposers responding to this Proposal Invitation should submit an approval letter from each manufacturer. Manufacturer authorization letters must include the regions and/or states in which equipment may be sold.

NOTE 3: Vendors must provide a copy of their Franchise Motor Vehicle Dealer Certificate from Texas Department of Motor Vehicles and Manufacturer certificate from the Texas Department of Motor Vehicles or, if vendor proposes to serve states outside of the State of Texas, the applicable dealer license(s) for such state(s).

Section I: Commercial Class "A" Pumpers and Tankers

Item No.	Short Description	Full Description	Base Model Price	State Brand and Model (include body, chassis and engine)	Options
1	2-Dr. Cab, 35000# GVW, 300 HP Automatic, A/C	2-Dr. Cab, 35000# GVW, 300 HP Automatic, A/C1250 GPM Pump, 750 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment, diesel 300 HP engine, heavy duty cooling, 270 amp alternator, Allison MD series automatic transmission, full air brakes, 12.0 compressor, steel channel frame, chrome front bumper, minimum 45 gallon fuel tank, 2-door with bench seat, west coast mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel ten hole disc wheels.	$238.010 $241,213 $ _____ $247,913 $260,009	E-One/Freightliner M2 Pumper 300 HP E-One/International 4400 Pumper 300 HP E-One/Kenworth T370 Pumper 380 HP E-One/Peterbilt 348 Pumper 380 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
2	2-Dr. Cab, 35000# GVW, 350 HP Automatic, A/C	1500 GPM Pump, 750 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment, Diesel 350 HP engine, heavy duty cooling, 270 amp alternator, Allison HD series automatic transmission, Full air brakes, 12.0 compressor, steel channel frame, chrome front bumper, minimum 45 gallon fuel tank, 2-door with bench seat, west coast mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel ten hole disc wheels.	$248,108 $251,150 $ _____ $257,716 $268,828	E-One/Freightliner M2 Pumper 350 HP E-One/International 4400 Pumper 350 HP E-One/Kenworth T370 Pumper 380 HP E-One/Peterbilt 348 Pumper 380 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
3	2-Dr. Cab, 40000# GVW, 300 HP Automatic, A/C	1250 GPM Pump, 1500 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment, Diesel 300 HP engine, heavy duty cooling, 270 amp alternator, Allison MD series automatic transmission, Full air brakes, 12.0 copressor, steel channel frame, chrome front bumper, minimum 45 gallon fuel tank, 2 door with bench seat, west coast mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel ten hole disc wheels.	$263,310 $261,136 $ _____ $268,550 $280,630	E-One/Freightliner M2 Tanker 300 HP E-One/International 7400 Tanker 300 HP E-One/Kenworth T370 Tanker 380 HP E-One/Peterbilt 348 Tanker 380 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
4	2-Dr. Cab, 54000# GVW, 350 HP Automatic, A/C	1500 GPM Pump, 2500 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, rear Newton electric dump, NFPA 1901, all manufacturer's standard equipment, diesel 350 HP engine, heavy duty cooling, 270 amp alternator, Allison HD series automatic transmission, full air brakes, 12.0 compressor, steel channel frame, chrome front bumper, minimum 45 gallon fuel tank, 2-door with bench seat, west coast mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel ten hole disc wheels.	$295,889 $290,107 $ $305,215 $315,683	E-One/Freightliner M2 Tanker 350 HP E-One/International 7400 Tanker 350 HP E-One/Kenworth T370 Tanker 380 HP E-One/Peterbilt 348 Tanker 380 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
5	2-Dr. Cab, 35000# GVW, 300 HP Automatic, A/C	1250 GPM Pump, 750 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$250,530 $ $249,441	E-One/Freightliner M2 Pumper 300 HP E-One/International 4400 Pumper 300 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
6	4-Dr. Cab, 35000# GVW, 300 HP, Automatic, A/C	1250 GPM Pump, 750 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$250,530 $ $249,441	E-One/Freightliner M2 Pumper 300 HP E-One/International 4400 Pumper 300 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
Section II: Custom Cab Class "A" Pumpers and Tankers					
7	Custom MFD tilt 4-Dr. Cab, 330 HP Automatic, A/C	1250 GPM Pump, 750 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$ $352,646	E-One Typhoon L9 330 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
8	Custom LFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C	1500 GPM Pump, 750 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$ $400,324	E-One Cyclone II L9 400 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
9	Custom MFD tilt 4-Dr. Cab, 330 HP Automatic, A/C	1250 GPM Pump, 750 gallon poly tank, 200 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$ $379,160	E-One Typhoon L9 330 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
10	Custom LFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C	1500 GPM Pump, 750 gallon poly tank, 200 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$ $421,334	E-One Cyclone II L9 400 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
11	Custom MFD tilt 4-Dr. Cab, 330 HP Automatic, A/C	1250 GPM Pump, 1500 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$ $370,531	E-One Typhoon L9 330 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
12	Custom LFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C	1500 GPM Pump, 1500 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$ $419,222	E-One Cyclone II L9 400 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
13	Custom MFD tilt 4-Dr. Cab, 330 HP Automatic, A/C	1250 GPM Pump, 2500 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$ $415,435	E-One Typhoon L9 330 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
14	Custom LFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C	1500 GPM Pump, 2500 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$ ~~$453,947~~	E-One Typhoon L9 400 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
15	Custom MFD tilt 4-Dr. Cab, 400 HP Automatic, A/C	1500 GPM Pump, 3000 gallon elliptical tank, 60 cu. Ft. compartment space, side mount pump panel, (2) side and (1) rear Newton electric dump, NFPA 1901, all manufacturer's standard equipment.	$ ~~No Bid~~	No Bid	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
Section III: Aerial Ladder and Aerial Platform Devices					
16	Custom MFD tilt, 4-Dr. Cab, 330 HP Automatic, A/C	1500 GPM Pump, 400 gallon poly tank, 150 cu. Ft. compartment space, single axle body, 75' aerial ladder rear mount, pinned waterway, NFPA 1901, all manufacturer's standard equipment.	$ $628,980	E-One Typhoon HP75 L9 450 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
17	Custom MFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C	1500 GPM Pump, 400 gallon poly tank, 150 cu. Ft. compartment space, single axle body, 75' aerial ladder rear mount, pinned waterway, NFPA 1901, all manufacturer's standard equipment.	$ $707,631	E-One Cyclone II HP78 L9 450 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
18	Custom MFD tilt, 4-Dr. Cab, 400 hHP Automatic, A/C	1500 GPM Pump, 300 gallon poly tank, 150 cu. Ft. compartment space, tandem axle, 100' aerial ladder rear mount, pinned waterway, NFPA 1901, all manufacturer's standard equipment.	$920,790 $ _____ $927,241	E-One Cyclone II HP100 Ladder ISX 500 HP E-One Cyclone II HPS105 Ladder ISX 500 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
19	Custom MFD tilt 4-Dr. Cab, 400 HP, Automatic, A/C	1500 GPM Pump, 300 gallon poly tank, 150 cu. Ft. compartment space, tandem axle, 85' to 95' aerial ladder platform rear mount, pinned waterway, NFPA 1901, all manufacturer's standard equipment.	$ $998,501	E-One Cyclone II HP95 Platform ISX 500 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
20	Custom MFD tilt, 4-Dr. Cab, 400 HP, Automatic, A/C	1500 GPM Pump, 300 gallon poly tank, 150 cu. Ft. compartment space, tandem axle, 100'+ aerial ladder platform rear mount, NFPA 1901, all manufacturer's standard equipment.	$1,058,281 $ _____ $1,057,861	E-One Cyclone II HP100 PLatform ISX 500 HP E-One Cyclone II HPS100 P;atform ISX 500 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
21	Custom MFD tilt, 4-Dr. Cab, 400 HP, Automatic, A/C	1500 GPM Pump, 200 gallon poly tank, maximum compartment space, tandem axle, 100'+ aerial platform articulating style, NFPA 1901, all manufacturer's standard equipment.	$ $1,341,135	E-One Cyclone II RLP 116+ Bronto ISX 500 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

PROPOSAL NOTE:

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BuyBoard Cooperative Purchasing

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
22	Custom MFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C	1500 GPM Pump, 400 gallon poly tank, 150 cu. Ft. compartment space, single axle body, 75' aerial ladder mid-mount, pinned waterway, NFPA 1901, all manufacturer's standard equipment.	$ No Bid	No Bid	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
23	Custom MFD tilt, 4-Dr. Cab, 400 HP, Automatic, A/C	1500 GPM Pump, 300 gallon poly tank, 150 cu. Ft. compartment space, tandem axle, 100' aerial ladder mid-mount, pinned waterway, NFPA 1901, all manufacturer's standard equipment.	$ No Bid	No Bid	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
24	Custom MFD tilt, 4-Dr. Cab, 400 HP, Automatic, A/C	1500 GPM Pump, 300 gallon poly tank, 150 cu. Ft. compartment space, single axle, 70-85' aerial ladder platform mid-mount, NFPA 1901, all manufacturer's standard equipment.	$ No Bid	No Bid	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
25	Custom MFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C	1500 GPM Pump, 300 gallon poly tank, 150 cu. Ft. compartment spae, tandem axle, 85' to 95' aerial ladder platform mid-mount, NFPA 1901, all manufacturer's standard equipment.	$ $1,113,349	E-One Cyclone II HP95 Mid Mount Platform ISX 500 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
26	Custom MFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C	1500 GPM Pump, 300 gallon poly tank, 150 cu. Ft. compartment space, tandem axle, 100'+ aerial ladder platform midmount, NFPA 1901, all manufacturer's standard equipment.	$ No Bid	No Bid	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Section IV: Rescue Vehicles, Non-Walk-In Style

Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
27	2-Dr. Cab, 35000# GVW, 300 HP Automatic, A/C	Non Walk-In 16' Heavy rescue body, maximum compartment space, 8Kw PTO generator, 6000 watt light tower, 10 shelves, 4 roll out trays, diesel 300 HP engine, heavy duty cooling, 270 amp alternator, Allison MD series automatic transmission, full air brakes, 12.0 compressor, steel channel frame, chrome front bumper, minimum 45 gallon fuel tank, 2-door with bench seat, west coast mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel ten hole disc wheels.	$258,223 $252,149 $ _____ $317,765 $272,813	E-One/International 4400 NWR Rescue 300 HP E-One/Freightliner M2 NWR Rescue 300 HP Kenworth T370 NWR Rescue 380 HP Peterbuilt 348 NWR Rescue 380 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
28	4 Dr. Cab, 35000# GVW, 300 HP, Automatic, A/C	Non Walk-In 16' Heavy rescue body, maximum compartment space, 8Kw PTO generator, 6000 watt light tower, 10 shelves, 4 roll out trays, diesel 300 HP engine, heavy duty cooling, 270 amp alternator, Allison MD series automatic transmission, full air brakes, 12.0 compressor, steel channel frame, chrome front bumper, minimum 45 gallon fuel tank, 4-door with individual air ride driver seat, SCBA high back officer seat, 3 SCBA high back crew seats with SCBA brackets west coast mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel ten hole disc wheels.	$264,437 $ $263,130	E-One/International 4400 NWR Rescue 300 HP E-One/Freightliner M2 NWR Rescue 300 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
29	Custom MFD tilt, 4-Dr. Cab, 330 HP, Automatic, A/C, Raised Roof	Non Walk-In 16' Heavy rescue body, maximum compartment space, 8Kw PTO generator, 6000 watt light tower, 10 shelves, 4 roll out trays.	$ $377,348	E-One Typhoon NWR Rescue 350 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

PROPOSAL NOTE:

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BuyBoard Cooperative Purchasing

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
30	Custom LFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C, Raised Roof	Non Walk-In 16' Heavy rescue body, maximum compartment space, 8Kw PTO generator, 6000 watt light tower, 10 shelves, 4 roll out trays.	$ $394,492	E-One Typhoon NWR Rescue 400 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
31	2-Dr. Cab, 60" cab to axle, A/C	Non Walk-In 10' Light Duty rescue, maximum compartment space, 5Kw Honda generator,roll up doors, 4 shelves, 2 roll out trays, 12,500# GVW, 250 HP diesel engine, heavy duty cooling, dual 110 amp alternator, automatic transmission, power disc front and rear brakes, standard frame, chrome fromt bumper, minimum 30 gallon fuel tank, 2 door cab with bench seat, mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel disc wheels.	$ ~~No Bid~~	No Bid	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
32	2-Dr. Cab, 84" cab to axle, A/C	Non Walk-In 12' Light Duty rescue, maximum compartment space, 5Kw Honda generator, roll up doors, 4 sheves, 2 roll out trays, 12500# GVW, 250 HP diesel engine, heavy duty cooling, dual 110 amp alternator, automatic transmission, power disc front and rear brakes, standard frame, chrome front bumper, minimum 30 gallon fuel tank, 2-door cab with bench seat, mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel disc wheels.	$ $162,684	Ford F550 Non Walk- In Rescue	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

PROPOSAL NOTE:

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Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
Section V: Rescue Vehicles, Walk-In Style					
33	2-Dr. Cab, 35000# GVW, 300 HP Automatic, A/C	Walk-In 16' Heavy rescue body, maximum compartment space, 8Kw PTO generator, 6000 watt light tower, 10 shelves, 4 roll out trays, diesel 300 HP engine, heavy duty cooling, 270 amp alternator, Allison MD series automatic transmission, Full air brakes, 12.0 compressor, steel channel frame, chrome front bumper, minimum 45 gallon fuel tank, 2-door with bench seat, west coast mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel ten hole disc wheels.	$262,848 $259,251 $ _____ $324,553 $280,019	E-One/International 4400 WIR Rescue 300 HP E-One/Freightliner M2 WIR Rescue 300 HP E-One/Kenworth T370 WIR Rescue 380 HP E-One/E-One/Peterbilt 348 WIR Rescue 380 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
34	4-Dr. Cab, 35000# GVW, 300 HP, Automatic, A/C	Walk-In 16' Heavy rescue body, maximum compartment space, 8Kw PTO generator, 6000 watt light tower, 10 shelves, 4 roll out trays, diesel 300 HP engine, heavy duty cooling, 270 amp alternator, Allison MD series automatic transmission, Full air brakes, 12.0 compressor, steel channel frame, chrome front bumper, minimum 45 gallon fuel tank, 4-door with individual air ride driver seat, SCBA high back officer seat, 3 SCBA high back crew seats with SCBA brackets west coast mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel ten hole disc wheels.	$271,392 $ _____ $273,000	E-One/International 4400 Wakl-In Rescue 300 HP E-One/Freightliner M2 Walk-In Rescue 300 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
35	Custom MFD tilt, 4-Dr. Cab, 330 HP Automatic, A/C, Raised Roof	Walk-In 16' Heavy rescue body, maximum compartment space, 8Kw PTO generator, 6000 watt light tower, 10 shelves, 4 roll out trays.	$ $395,403	E-One Typhoon Walk-In Rescue 350 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
36	Custom LFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C, Raised Roof	Walk-In 16' Heavy rescue body, maximum compartment space, 8Kw PTO generator, 6000 watt light tower, 10 shelves, 4 roll out trays.	$ $421,424	E-One Cyclone II Walk-In Rescue 350 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

PROPOSAL NOTE:

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Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
37	2-Dr. Cab, 84" cab to axle, A/C	Walk-In 12' Light Duty rescue, maximum compartment space, 5Kw Honda generator, roll up doors, 4 shelves, 2 roll out trays, 15,000# GVW, 250 HP diesel engine, heavy duty cooling, duel 110 amp alternator, automatic transmission, power disc front and rear brakes, standard frame, chrome front bumper, minimum 30 gallon fuel tank, 2-door cab with bench seat, mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel disc wheels.	$ ~~No Bid~~	No Bid	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
38	2-Dr. Cab, 170" cab to axle, A/C	Walk-In 14' Light Duty rescue, maximum compartment space, 5Kw Honda generator, roll up doors, 4 shelves, 2 roll out trays, 20,000# GVW, diesel 240 HP engine, heavy duty cooling, 270 amp alternator, Allison MD series automatic transmission, Full air brakes, 12.0 compressor, steel channel frame, 170" cab to axle, chrome front bumper, minimum 45 gallon fuel tank, 2-door with bench seat, west coast mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel disc wheels.	$ ~~No Bid~~	No Bid	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
Section VI: Quick Attack and Brush Type Vehicles					
39	2-Dr. Cab, 4x2, 60" C/A, A/C, 15,000# GVW	Aluminum body, maximum compartment space, 300-340 gallon poly tank, booster reel with hose, 26HP diesel powered pump.	$ 121,164	Lone Star Brush Truck Ford F550	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
40	2-Dr. Cab, 4x4, 60" C/A, A/C, 15,000# GVW	Aluminum body, maximum compartment space, 300-340 gallon poly tank, booster reel with hose, 26HP diesel powered pump.	$ ~~No Bid~~	No Bid	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

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Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
41	2-Dr. Cab, 4x4, 60" C/A, A/C, 15,000# GVW	Aluminum body, maximum compartment space, 300 gallon poly tank, booster reel with hose, 26HP diesel powered pump, CAFS foam system with FoamPro 1600 or equal, 20 gallon foam cell.	$ ~~No Bid~~	No Bid	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
42	2-Dr. Cab, 4x2, 17500# GVW, 275 HP Diesel	Aluminum Body, 500 gallon poly tank, booster reel with hose, 100 gpm pump.	$ ~~No Bid~~	No bid	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
43	4-Dr. Cab, 4x4, 17500# GVW, 275 HP Diesel, manual transmission	Aluminum Body, maximum compartment space, 250 gallon poly tank, 500 gpm PTO pump.	$ ~~No Bid~~	No bid	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
44	2-Dr. Cab, 4x4, 17500# GVW, 275 HP Diesel, manual transmission	Aluminum body, maximum compartment space, 300 gallon poly tank, 500 gpm pump.	$ ~~No Bid~~	No Bid	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
45	2-Dr. Cab, 4x2, 300 HP, Automatic, A/c	Aluminum Body, maximum compartment space, 500 gallon poly tank, 50 gallon foam, booster reel with hose, 400 gpm diesel driven pump with FoamPro 2100 system or equal.	$ No Bid	No Bid	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

Section VII: OPTIONAL EQUIPMENT and PARTS- Options will be selected by the Cooperative member at the time of order. A COMPLETE LIST OF ALL OPTIONAL EQUIPMENT AND PARTS MUST BE SUBMITTED WITH PROPOSAL FOR PROPOSAL TO BE CONSIDERED!

Item No.	Short Description	Full Description	State Percent (%) of Discount off Catalog/Pricelist[1]	State Name of Catalog/Pricelist	Exceptions to Discount
46	Discount (%) Off Catalog/Pricelist for Original Equipment Manufacturer (OEM) Options	Please state the discount (%) off catalog/pricelist for all **Original Equipment Manufacturer (OEM) Options. Catalog/Pricelist MUST be included or proposal will not be considered.**	0 %		
47	Discount (%) Off Catalog/Pricelist for Third Party (not OEM) and Unpublished Options	Please state the discount (%) off catalog/pricelist for all **Third Party (not OEM) and Unpublished Options and Equipment. Catalog/Pricelist MUST be included or proposal will not be considered.**	0 %		

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Item No.	Short Description	Full Description	State Percent (%) of Discount off Catalog/Pricelist[1]	State Name of Catalog/Pricelist	Exceptions to Discount
48	Discount (%) Off Catalog/Pricelist for Original Equipment Manufacturer (OEM) Parts	Please state the discount (%) off catalog/pricelist for all **Original Equipment Manufacturer (OEM) Parts. Catalog/Pricelist MUST be included or proposal will not be considered.**	0 _____%		
49	Discount (%) Off Catalog/Pricelist for Extended Service Maintenance Agreements	Please state the discount (%) off catalog/pricelist for all **Extended Service Maintenance Agreements. Catalog/Pricelist MUST be included or proposal will not be considered.**	0 _____%		
50	Discount (%) Off Catalog/Pricelist for Floor Plan Insurance and Lot Insurance	Please state the discount (%) off catalog/pricelist for **Floor Plan Insurance and Lot Insurance** (dealer inventory fire service apparatus vehicle)**. Catalog/Pricelist MUST be included or proposal will not be considered.**	0 _____%		
51	Discount (%) Off Catalog/Pricelist for Other Fire Apparatus Products and Services	Please state the discount (%) off catalog/pricelist for all **Other Fire Apparatus Products and Services** (refurbishing, modification, uplifting, remounting services and equipment). **Catalog/Pricelist MUST be included or proposal will not be considered.**	0 _____%		

PROPOSAL NOTE:

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Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Section VIII: Delivery Fees and Labor Rate for Installation and Repair Service of Fire Service Apparatus Vehicles

Item No.	Short Description	Full Description	Hourly Labor Rate and Delivery Fee	Detailed Information on Hourly Labor Rate and Delivery Fee	Exceptions to Hourly Labor Rate and Delivery Fee
52	Not to Exceed Hourly Labor Rate for Installation and Repair Service of Fire Apparatus Equipment and Products	**Hourly Labor Rate for Installation and Repair Service of Fire Apparatus Equipment and Products** -- State the **Not to Exceed** hourly labor rate for Installation/Repair Service of Equipment and Products.	$ N/A /Hour		
53	Per Mile Delivery Fee for Fire Service Apparatus Vehicles	**Per Mile Delivery Fee for Fire Apparatus** -- State the per mile delivery fee for fire service apparatus vehicles.	$ Included /Mile		

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

Apparatus Specifications

Lone Star Emergency Group

BuyBoard Proposal

571-18

03/22/2018

LONE STAR
EMERGENCY GROUP

E-ONE

ITEM #1
Pumper
International 4400

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
International Chassis
Item #1

Quotation Number: 90455 Rev: 5

Unit Description: PMPR-COMM

Quote Description: Pumper, Commercial Chassis Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3090-0007	Hosebed hoseload allowance on the apparatus shall be 1200 lbs.	1	
3340-1137-12B	Equipment allowance on the apparatus shall be 2000 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
CHASSIS PREP			
1020-0011	Commercial Chassis Prep for E-1supplied International chassis	1	
TIRE OPTIONS			
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
AIR SYSTEM OPTIONS			
1110-0010-277	Air inlet. To charge brake system. Commercial chassis only. Location: driver's door step area.	1	
ENGINES & TRANSMISSIONS			
1200-0126	Commercial chassis speed to be electronic limited and not to exceed a maximum of 68 MPH. Note: Speed rating may be lower based on OEM tire ratings/top speed limitations provided on chassis.	1	
1200-0357	Cummins L9 engine, 300 HP @ 2000 RPM, 860 lb-ft Torque @ 1300 RPM, 2200 RPM Governed Speed	1	
CHASSIS OPTIONS			

Salescode	Extended Description	Qty	
CHASSIS OPTIONS			
1680-0011	Tow eyes rear below body, painted.	1	
1680-0078	Tow hooks front OEM. Not available with extended E-ONE installed front bumper. Tow hooks are OEM supplied with chassis.	1	
1680-0106	OEM chassis step package for International 4000 and 7000 series. Includes mounting plate for the battery charger receptacle and air inlet.	1	
CAB MODEL			
1500-0010	Two door International 4400 4x2.	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
CAB DOOR OPTIONS			
1550-0227	Reflective striping shall be installed on commercial cab doors, visible when the door is open, meeting NFPA requirement of 96 sq. in. coverage for each door.	1	
MISC EXTERIOR CAB OPTIONS			
1675-0007	Diesel fuel only label.	1	
SEATS			
1685-0012	Seating capacity tag of two occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0450	Center control console painted black Zolatone. Locate in cab between driver and officer. Includes area for NFPA siren, electrical, and in-cab controls (as applicable) switching.	1	
CAB ELECTRICAL OPTIONS			
1750-0059-277-04	Receptacle inlet 20 amp with a Yellow cover. Location: driver's door step area.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
BODY COMPT LEFT SIDE			
3100-0096	Driver side body with full height 42" wide forward and 42" wide rearward compartmentation. Includes (1) 56" wide compartment over the wheel well.	1	
BODY COMPT RIGHT SIDE			
3120-0005	Officer half side body with 42" wide forward and 42" wide rearward compartmentation. Includes adjustable ladder tracks.	1	
BODY COMPT REAR			

Salescode	Extended Description	Qty	
BODY COMPT REAR			
3110-0005	Full Height Rear Compartment. Includes smooth plate panels.	1	
3110-0034	Upper rear compartment depth to be shallow.	1	
3340-0080	Bolt-on diamond plate 18" tailboard (full width of body). Includes (2) squared off beavertails (no stanchions) with removable outer panels and handrails- (2) vertical on trailing edge of body and horizontal mounted handrail(s) below hosebed.	1	
DOORS			
3300-0017-004	Door roll up short (up to 45") with satin finish ROM. Location(s): L2.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-005	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L3.	1	
3300-0019-027	Door roll up tall (greater than 45") with satin finish ROM. Location(s): B1.	1	
3300-0289-015	Door double vertical hinged w/rotary latches - painted . Location(s): R1 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-016	Door double vertical hinged w/rotary latches - painted . Location(s): R2 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP MODULE			
3130-0167	Pump module to be 76" wide (side to side). Includes upper, lower, crosswalk, speedlay and tranverse module(s) if applicable.	1	
3130-0523	Side mount pump module. Extruded aluminum with runningboards.	1	
3130-0532	Pump panel opening is 39" wide. Pumper / tanker only.	1	
3130-0539	Pump module height is 75". Pumper / tanker only.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0143	Officer side pump panel to be vertical hinged on forward extrusion. Panel to be (3) pieces with upper (2) panels secured in the closed position with push button latches. Upper panel to be held open with gas shock.	1	
MISC PUMP PANEL OPTIONS			

Salescode	Extended Description	Qty	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	
PUMP MODULE OPTIONS			
3136-0058	E-ONE logo mounted one each side on pump module/preconnect panels. Logos to be sized as applicable to available space on panels.	1	
3136-0138	Pump module storage pan.	1	
3136-0139	Crosslay double 7.5" wide each to hold up to 200' of 2.0" DJ hose (each).	1	
WATER TANK			
4010-0099	Fill tower(s) to be located offset to officer side of water tank.	1	
4010-0176	780 Gallon "T" Water Tank. UPF Poly III color fill towers. Note: Any foam cell(s) and/or storage options through the tank will reduce the overall water capacity.	1	
TANK PLUMBING			
4450-0010	2" tank fill Akron manual valve.	1	
4450-0119	3" tank to pump Akron manual valve w/4" tank connection.	1	
LADDER STORAGE / RACKS			
3365-0031	Hard Suction Storage Rack. Officer side in adjustable track above ladders (if applicable). Includes spring hold downs and scuff plates.	2	
3365-0049	Brand of ladders capable of being carried on unit to be Alco-Lite.	1	
3365-0087-C57	The length of ladders capable of being stored shall be the following: 24' 2-section and 14' roof ladder.	1	
HANDRAILS / STEPS			
3330-0277	Innovative Controls dual lighted LED folding steps rear NFPA. Includes folding steps on driver side rear of the body. (staggered stepped as applicable with tailboard depth) for NFPA hosebed access and handrail mounted on driver side upper hosebed side (as applicable).	1	
MISC BODY OPTIONS			
3340-0004	Hosebed above the booster tank. Includes forward hosebed and tower(s) cover plate work (as applicable). Hosebed adjustable divider extrusion rearward of the furthest tower is to run full width of the hosebed (as is practical with other hosebed mounted equipment).	1	
3340-0015	Diamond plate single axle wheel well. Includes bolt-on composite wheel well liners and aluminum trim fenderettes.	1	
3340-0035	Divider Long. To run full length of hose bed (front to rear).	1	

Salescode	Extended Description	Qty	
MISC BODY OPTIONS			
3340-0074	Body mainframe and hosebed side assemblies for a 85" high body.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0110	The rear of each hose bed divider to have a hand hold cut-out(s).	1	
3340-0145	Rub rail for the body and pump area module(s).	1	
3340-0680	Body mainframe layout line to be 23". Includes body and all applicable modules.	1	
PUMPS			
4005-0030	Rating 1250 GPM	1	
4005-0195	Hale QFLO 750-1250 GPM pump, single stage. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PUMP OPTIONS			
4015-0029	Hale pressure relief valve.	1	
4015-0037	Engine throttle, vernier.	1	
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0098	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location on pump panel.	1	
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0014-581	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 1.	1	
4415-0014-582	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 2.	1	
4415-0016-583	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 1.	1	

Salescode	Extended Description	Qty	
DISCHARGES AND PRECONNECTS			
4415-0022-350	2.5" Left Rear Discharge Akron Manual Valve. Location: left rear discharge.	1	
4415-0041	3" Deck Gun Discharge, Akron manual valve. (outlet shall terminate with MNPT threads unless extend gun is install)	1	
4417-0106-L65	Deck gun piping to be positioned centered in deck gun channel.	1	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	7	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
4417-0246	Dealer installed monitor, make and model as specified.	1	
GAUGES			
4435-0069	Class 1 ENFO IV system on pump operator's panel.	1	
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	7	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			
5010-0014-E12	Vehicle data recorder for commercial cab - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: outboard on driver's side overhead console.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-339	VFD Text display for V-MUX electrical system. Location: center of dash.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0267	Light bar Whelen Justice model JE2NFPA 56" LED with clear lenses and MKEZ7 mounts. N/A on Vista roofs with front facing windows. Includes (4) red corner facing LIN6 LED lights, (6) forward facing CON3 Linear LED lights; (4) red, (2) white. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0149-534	Whelen M6 Super LED lower level warning light package. Includes (10) red M6R	1	

Salescode	Extended Description	Qty	
WARNING LIGHT PACKAGES			
	LED light heads w/chrome flanges. Locate side facing lights: at forward most position, centered in rear wheel well, and on side of beavertail.		
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-B13	The primary electronic siren control is to be located center console.	1	
SPEAKERS			
5510-0028	Speaker Federal Dynamax ES100. Located officer's side behind tow hook. Navistar 4400 chassis only.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0022	Marker light LED body package. Commercial pumper bodies only.	1	
5150-0102	Whelen M6 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical 3 light housing and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0030	Ground light package LED - small.	1	
5380-0276	Compartment light package TecNiq T440 4" LED for small bodies.	1	
LIGHTS - DECK AND SCENE			
5390-0058-395	Deck Lights - Truck-Lite LED model 81380 (PR). Location: rear body/beavertail area on the trailing edge up high.	1	
5390-0216	Hose bed light Optronics LED model TLL44 Locate at front of hose bed. Switched with work light switch in cab.	1	
5390-0217	Crosslay light Optronics LED model TLL44. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0011	LED pump compartment light (EA).	1	

Salescode	Extended Description	Qty	
LIGHTS - NON-WARNING			
5400-0031	Pair of Cab Dome Large Lights mounted driver and officer side front. N/A on E-One Chassis. Required on Comm Chassis.	1	
5400-0259	TecNiq model E10 pump panel LED light package with (3) lights per side pump panel. Pump panels over 45" may require additional lights. Side mount only.	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
ELBOWS			
7400-0012	Chrome discharge elbow 2.5" FNST x 2.5" Male 3.187 x 6 thread per inch with a 2.5" Female 3.187 x 6 thread per inch chrome rocker lug cap with chain, 45 Degree.	3	
HOSE / NOZZLES			
7700-0004	Hard suction hose 6" X 10'. Smooth bore, black rubber hard suction hose for heavy duty service. Built with a spiral wire helix, and nylon fabric reinforcement piles. Tube and cover are taut, black rubber that is age and abrasion resistant.	2	
GROUND LADDERS			
7800-0007	Alco-Lite PRL-14' roof ladder.	1	
7800-0016	Alco-Lite PEL-24' 2-section extension ladder.	1	
7800-0032	Alco-Lite FL-10, 10' folding ladder w/safety shoes.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0089	All applicable pump/pre-connect application modules are to have a sanded finish (not painted job color). Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.	1	
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	
8100-0182-000-17	Paint Body - Small - For Pumpers, Rear Mounts, S/A Tankers/Wetsides and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	

Salescode	Extended Description	Qty	
EXTERIOR PAINT			
8100-0442-000-17	International cab paint (by chassis OEM). Paint to match FLNA3225E-1 Red.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
GRAPHICS			
8400-0067	E-ONE logo with grey backing on M6 series vertical tail light housing (PR).	1	
WARRANTY / STANDARD			
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
9100-0039	1 year full warranty.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	
Dealer Supplied Equipment			

ITEM #2
Pumper
Freightliner

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Freightliner Chassis
Item #2

Quotation Number: 72730 Rev: 12

Unit Description: PMPR-COMM

Quote Description: Pumper, Commercial Chassis Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3090-0007	Hosebed hoseload allowance on the apparatus shall be 1200 lbs.	1	
3340-1137-12B	Equipment allowance on the apparatus shall be 2000 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
CHASSIS PREP			
1020-0010	Comm Chassis Prep E-1 supplied Freightliner.	1	
TIRE OPTIONS			
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
AIR SYSTEM OPTIONS			
1110-0010-277	Air inlet. To charge brake system. Commercial chassis only. Location: driver's door step area.	1	
ENGINES & TRANSMISSIONS			
1200-0126	Commercial chassis speed to be electronic limited and not to exceed a maximum of 68 MPH. Note: Speed rating may be lower based on OEM tire ratings/top speed limitations provided on chassis.	1	
1200-0359	Cummins L9 350 HP engine for commercial chassis.	1	
CHASSIS OPTIONS			
1680-0011	Tow eyes rear below body, painted.	1	

Salescode	Extended Description	Qty	
CHASSIS OPTIONS			
1680-0078	Tow hooks front OEM. Not available with extended E-ONE installed front bumper. Tow hooks are OEM supplied with chassis.	1	
1680-0104	OEM chassis step package for Freightliner M2 series. Includes mounting plate for the battery charger receptacle and air inlet.	1	
CAB MODEL			
1500-0008	Two door Freightliner M2 106 4x2	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
CAB DOOR OPTIONS			
1550-0227	Reflective striping shall be installed on commercial cab doors, visible when the door is open, meeting NFPA requirement of 96 sq. in. coverage for each door.	1	
MISC EXTERIOR CAB OPTIONS			
1675-0007	Diesel fuel only label.	1	
SEATS			
1685-0012	Seating capacity tag of two occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0450	Center control console painted black Zolatone. Locate in cab between driver and officer. Includes area for NFPA siren, electrical, and in-cab controls (as applicable) switching.	1	
CAB ELECTRICAL OPTIONS			
1750-0059-277-04	Receptacle inlet 20 amp with a Yellow cover. Location: driver's door step area.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
BODY COMPT LEFT SIDE			
3100-0096	Driver side body with full height 42" wide forward and 42" wide rearward compartmentation. Includes (1) 56" wide compartment over the wheel well.	1	
BODY COMPT RIGHT SIDE			
3120-0005	Officer half side body with 42" wide forward and 42" wide rearward compartmentation. Includes adjustable ladder tracks.	1	
BODY COMPT REAR			
3110-0005	Full Height Rear Compartment. Includes smooth plate panels.	1	

Salescode	Extended Description	Qty	
BODY COMPT REAR			
3110-0034	Upper rear compartment depth to be shallow.	1	
3340-0080	Bolt-on diamond plate 18" tailboard (full width of body). Includes (2) squared off beavertails (no stanchions) with removable outer panels and handrails- (2) vertical on trailing edge of body and horizontal mounted handrail(s) below hosebed.	1	
DOORS			
3300-0017-004	Door roll up short (up to 45") with satin finish ROM. Location(s): L2.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-005	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L3.	1	
3300-0019-027	Door roll up tall (greater than 45") with satin finish ROM. Location(s): B1.	1	
3300-0289-015	Door double vertical hinged w/rotary latches - painted . Location(s): R1 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-016	Door double vertical hinged w/rotary latches - painted . Location(s): R2 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP MODULE			
3130-0167	Pump module to be 76" wide (side to side). Includes upper, lower, crosswalk, speedlay and tranverse module(s) if applicable.	1	
3130-0523	Side mount pump module. Extruded aluminum with runningboards.	1	
3130-0532	Pump panel opening is 39" wide. Pumper / tanker only.	1	
3130-0539	Pump module height is 75". Pumper / tanker only.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0143	Officer side pump panel to be vertical hinged on forward extrusion. Panel to be (3) pieces with upper (2) panels secured in the closed position with push button latches. Upper panel to be held open with gas shock.	1	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	

Salescode	Extended Description	Qty	
PUMP MODULE OPTIONS			
3136-0058	E-ONE logo mounted one each side on pump module/preconnect panels. Logos to be sized as applicable to available space on panels.	1	
3136-0138	Pump module storage pan.	1	
3136-0139	Crosslay double 7.5" wide each to hold up to 200' of 2.0" DJ hose (each).	1	
WATER TANK			
4010-0099	Fill tower(s) to be located offset to officer side of water tank.	1	
4010-0176	780 Gallon "T" Water Tank. UPF Poly III color fill towers. Note: Any foam cell(s) and/or storage options through the tank will reduce the overall water capacity.	1	
TANK PLUMBING			
4450-0010	2" tank fill Akron manual valve.	1	
4450-0119	3" tank to pump Akron manual valve w/4" tank connection.	1	
LADDER STORAGE / RACKS			
3365-0031	Hard Suction Storage Rack. Officer side in adjustable track above ladders (if applicable). Includes spring hold downs and scuff plates.	2	
3365-0049	Brand of ladders capable of being carried on unit to be Alco-Lite.	1	
3365-0087-C57	The length of ladders capable of being stored shall be the following: 24' 2-section and 14' roof ladder.	1	
HANDRAILS / STEPS			
3330-0277	Innovative Controls dual lighted LED folding steps rear NFPA. Includes folding steps on driver side rear of the body. (staggered stepped as applicable with tailboard depth) for NFPA hosebed access and handrail mounted on driver side upper hosebed side (as applicable).	1	
MISC BODY OPTIONS			
3340-0004	Hosebed above the booster tank. Includes forward hosebed and tower(s) cover plate work (as applicable). Hosebed adjustable divider extrusion rearward of the furthest tower is to run full width of the hosebed (as is practical with other hosebed mounted equipment).	1	
3340-0015	Diamond plate single axle wheel well. Includes bolt-on composite wheel well liners and aluminum trim fenderettes.	1	
3340-0035	Divider Long. To run full length of hose bed (front to rear).	1	
3340-0074	Body mainframe and hosebed side assemblies for a 85" high body.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0110	The rear of each hose bed divider to have a hand hold cut-out(s).	1	

Salescode	Extended Description	Qty	
MISC BODY OPTIONS			
3340-0145	Rub rail for the body and pump area module(s).	1	
3340-0681	Body mainframe layout line to be 24". Includes body and all applicable modules.	1	
PUMPS			
4005-0031	Rating 1500 GPM.	1	
4005-0196	Hale QMAX 1000-2250 GPM single stage pump. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PUMP OPTIONS			
4015-0029	Hale pressure relief valve.	1	
4015-0037	Engine throttle, vernier.	1	
4015-0038	Pump seal packing for Hale pump.	1	
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0098	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location on pump panel.	1	
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0014-581	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 1.	1	
4415-0014-582	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 2.	1	
4415-0016-583	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 1.	1	
4415-0016-584	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 2.	1	
4415-0022-350	2.5" Left Rear Discharge Akron Manual Valve. Location: left rear discharge.	1	

Salescode	Extended Description	Qty	
DISCHARGES AND PRECONNECTS			
4415-0041	3" Deck Gun Discharge, Akron manual valve. (outlet shall terminate with MNPT threads unless extend gun is install)	1	
4417-0106-L65	Deck gun piping to be positioned centered in deck gun channel.	1	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	8	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
4417-0246	Dealer installed monitor, make and model as specified.	1	
GAUGES			
4435-0069	Class 1 ENFO IV system on pump operator's panel.	1	
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	8	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			
5010-0014-G97	Vehicle data recorder for commercial cab - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: cab dash above transmission shift panel.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-339	VFD Text display for V-MUX electrical system. Location: center of dash.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0267	Light bar Whelen Justice model JE2NFPA 56" LED with clear lenses and MKEZ7 mounts. N/A on Vista roofs with front facing windows. Includes (4) red corner facing LIN6 LED lights, (6) forward facing CON3 Linear LED lights; (4) red, (2) white. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0149-534	Whelen M6 Super LED lower level warning light package. Includes (10) red M6R LED light heads w/chrome flanges. Locate side facing lights: at forward most	1	

Salescode	Extended Description	Qty	
WARNING LIGHT PACKAGES			
	position, centered in rear wheel well, and on side of beavertail.		
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-B13	The primary electronic siren control is to be located center console.	1	
SPEAKERS			
5510-0029-209	Speaker, Federal Signal Dynamax ES100 with "E-ONE" grille through bumper. Location: driver side front bumper.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0022	Marker light LED body package. Commercial pumper bodies only.	1	
5150-0102	Whelen M6 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical 3 light housing and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0011	Compartment light package LED for small bodies.	1	
5380-0030	Ground light package LED - small.	1	
LIGHTS - DECK AND SCENE			
5390-0003	Hose bed light Truck-Lite. Locate at the front area of the hose bed. Switched with work light switch in cab.	1	
5390-0022	Crosslay light Truck-Lite. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
5390-0024-395	Deck Light - Truck-Lite (PR). Location: rear body/beavertail area on the trailing edge up high.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0010	Incandescent pump compartment light (EA).	1	
5400-0031	Pair of Cab Dome Large Lights mounted driver and officer side front. N/A on E-One Chassis. Required on Comm Chassis.	1	

Salescode	Extended Description	Qty	
LIGHTS - NON-WARNING			
5400-0259	TecNiq model E10 pump panel LED light package with (3) lights per side pump panel. Pump panels over 45" may require additional lights. Side mount only.	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
ELBOWS			
7400-0012	Chrome discharge elbow 2.5" FNST x 2.5" Male 3.187 x 6 thread per inch with a 2.5" Female 3.187 x 6 thread per inch chrome rocker lug cap with chain, 45 Degree.	3	
HOSE / NOZZLES			
7700-0004	Hard suction hose 6" X 10'. Smooth bore, black rubber hard suction hose for heavy duty service. Built with a spiral wire helix, and nylon fabric reinforcement piles. Tube and cover are taut, black rubber that is age and abrasion resistant.	2	
GROUND LADDERS			
7800-0007	Alco-Lite PRL-14' roof ladder.	1	
7800-0016	Alco-Lite PEL-24' 2-section extension ladder.	1	
7800-0032	Alco-Lite FL-10, 10' folding ladder w/safety shoes.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0089	All applicable pump/pre-connect application modules are to have a sanded finish (not painted job color). Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.	1	
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	
8100-0182-000-17	Paint Body - Small - For Pumpers, Rear Mounts, S/A Tankers/Wetsides and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0443-000-17	Freightliner cab paint (by chassis OEM). Paint to match FLNA3225E-1 Red.	1	
STRIPING			

Salescode	Extended Description	Qty	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
GRAPHICS			
8400-0067	E-ONE logo with grey backing on M6 series vertical tail light housing (PR).	1	
WARRANTY / STANDARD			
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
9100-0039	1 year full warranty.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	
Dealer Supplied Equipment			

ITEM #2
Pumper
International 4400

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
International Chassis
Item #2

Quotation Number: 90487 Rev: 5

Unit Description: PMPR-COMM

Quote Description: Pumper, Commercial Chassis Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3090-0007	Hosebed hoseload allowance on the apparatus shall be 1200 lbs.	1	
3340-1137-12B	Equipment allowance on the apparatus shall be 2000 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
CHASSIS PREP			
1020-0011	Commercial Chassis Prep for E-1supplied International chassis	1	
TIRE OPTIONS			
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
AIR SYSTEM OPTIONS			
1110-0010-277	Air inlet. To charge brake system. Commercial chassis only. Location: driver's door step area.	1	
ENGINES & TRANSMISSIONS			
1200-0126	Commercial chassis speed to be electronic limited and not to exceed a maximum of 68 MPH. Note: Speed rating may be lower based on OEM tire ratings/top speed limitations provided on chassis.	1	
1200-0359	Cummins L9 350 HP engine for commercial chassis.	1	
CHASSIS OPTIONS			
1680-0011	Tow eyes rear below body, painted.	1	

Salescode	Extended Description	Qty	
CHASSIS OPTIONS			
1680-0078	Tow hooks front OEM. Not available with extended E-ONE installed front bumper. Tow hooks are OEM supplied with chassis.	1	
1680-0106	OEM chassis step package for International 4000 and 7000 series. Includes mounting plate for the battery charger receptacle and air inlet.	1	
CAB MODEL			
1500-0010	Two door International 4400 4x2.	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
CAB DOOR OPTIONS			
1550-0227	Reflective striping shall be installed on commercial cab doors, visible when the door is open, meeting NFPA requirement of 96 sq. in. coverage for each door.	1	
MISC EXTERIOR CAB OPTIONS			
1675-0007	Diesel fuel only label.	1	
SEATS			
1685-0012	Seating capacity tag of two occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0450	Center control console painted black Zolatone. Locate in cab between driver and officer. Includes area for NFPA siren, electrical, and in-cab controls (as applicable) switching.	1	
CAB ELECTRICAL OPTIONS			
1750-0059-277-04	Receptacle inlet 20 amp with a Yellow cover. Location: driver's door step area.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
BODY COMPT LEFT SIDE			
3100-0096	Driver side body with full height 42" wide forward and 42" wide rearward compartmentation. Includes (1) 56" wide compartment over the wheel well.	1	
BODY COMPT RIGHT SIDE			
3120-0005	Officer half side body with 42" wide forward and 42" wide rearward compartmentation. Includes adjustable ladder tracks.	1	
BODY COMPT REAR			
3110-0005	Full Height Rear Compartment. Includes smooth plate panels.	1	

Salescode	Extended Description	Qty	
BODY COMPT REAR			
3110-0034	Upper rear compartment depth to be shallow.	1	
3340-0080	Bolt-on diamond plate 18" tailboard (full width of body). Includes (2) squared off beavertails (no stanchions) with removable outer panels and handrails- (2) vertical on trailing edge of body and horizontal mounted handrail(s) below hosebed.	1	
DOORS			
3300-0017-004	Door roll up short (up to 45") with satin finish ROM. Location(s): L2.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-005	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L3.	1	
3300-0019-027	Door roll up tall (greater than 45") with satin finish ROM. Location(s): B1.	1	
3300-0289-015	Door double vertical hinged w/rotary latches - painted . Location(s): R1 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-016	Door double vertical hinged w/rotary latches - painted . Location(s): R2 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP MODULE			
3130-0167	Pump module to be 76" wide (side to side). Includes upper, lower, crosswalk, speedlay and tranverse module(s) if applicable.	1	
3130-0523	Side mount pump module. Extruded aluminum with runningboards.	1	
3130-0532	Pump panel opening is 39" wide. Pumper / tanker only.	1	
3130-0539	Pump module height is 75". Pumper / tanker only.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0143	Officer side pump panel to be vertical hinged on forward extrusion. Panel to be (3) pieces with upper (2) panels secured in the closed position with push button latches. Upper panel to be held open with gas shock.	1	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	

Salescode	Extended Description	Qty	
PUMP MODULE OPTIONS			
3136-0058	E-ONE logo mounted one each side on pump module/preconnect panels. Logos to be sized as applicable to available space on panels.	1	
3136-0138	Pump module storage pan.	1	
3136-0139	Crosslay double 7.5" wide each to hold up to 200' of 2.0" DJ hose (each).	1	
WATER TANK			
4010-0099	Fill tower(s) to be located offset to officer side of water tank.	1	
4010-0176	780 Gallon "T" Water Tank. UPF Poly III color fill towers. Note: Any foam cell(s) and/or storage options through the tank will reduce the overall water capacity.	1	
TANK PLUMBING			
4450-0010	2" tank fill Akron manual valve.	1	
4450-0119	3" tank to pump Akron manual valve w/4" tank connection.	1	
LADDER STORAGE / RACKS			
3365-0031	Hard Suction Storage Rack. Officer side in adjustable track above ladders (if applicable). Includes spring hold downs and scuff plates.	2	
3365-0049	Brand of ladders capable of being carried on unit to be Alco-Lite.	1	
3365-0087-C57	The length of ladders capable of being stored shall be the following: 24' 2-section and 14' roof ladder.	1	
HANDRAILS / STEPS			
3330-0277	Innovative Controls dual lighted LED folding steps rear NFPA. Includes folding steps on driver side rear of the body. (staggered stepped as applicable with tailboard depth) for NFPA hosebed access and handrail mounted on driver side upper hosebed side (as applicable).	1	
MISC BODY OPTIONS			
3340-0004	Hosebed above the booster tank. Includes forward hosebed and tower(s) cover plate work (as applicable). Hosebed adjustable divider extrusion rearward of the furthest tower is to run full width of the hosebed (as is practical with other hosebed mounted equipment).	1	
3340-0015	Diamond plate single axle wheel well. Includes bolt-on composite wheel well liners and aluminum trim fenderettes.	1	
3340-0035	Divider Long. To run full length of hose bed (front to rear).	1	
3340-0074	Body mainframe and hosebed side assemblies for a 85" high body.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0110	The rear of each hose bed divider to have a hand hold cut-out(s).	1	

Salescode	Extended Description	Qty	
MISC BODY OPTIONS			
3340-0145	Rub rail for the body and pump area module(s).	1	
3340-0680	Body mainframe layout line to be 23". Includes body and all applicable modules.	1	
PUMPS			
4005-0031	Rating 1500 GPM.	1	
4005-0196	Hale QMAX 1000-2250 GPM single stage pump. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PUMP OPTIONS			
4015-0029	Hale pressure relief valve.	1	
4015-0037	Engine throttle, vernier.	1	
4015-0038	Pump seal packing for Hale pump.	1	
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0098	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location on pump panel.	1	
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0014-581	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 1.	1	
4415-0014-582	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 2.	1	
4415-0016-583	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 1.	1	
4415-0016-584	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 2.	1	
4415-0022-350	2.5" Left Rear Discharge Akron Manual Valve. Location: left rear discharge.	1	

Salescode	Extended Description	Qty	
DISCHARGES AND PRECONNECTS			
4415-0041	3" Deck Gun Discharge, Akron manual valve. (outlet shall terminate with MNPT threads unless extend gun is install)	1	
4417-0106-L65	Deck gun piping to be positioned centered in deck gun channel.	1	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	8	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
4417-0246	Dealer installed monitor, make and model as specified.	1	
GAUGES			
4435-0069	Class 1 ENFO IV system on pump operator's panel.	1	
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	8	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			
5010-0014-E12	Vehicle data recorder for commercial cab - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: outboard on driver's side overhead console.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-339	VFD Text display for V-MUX electrical system. Location: center of dash.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0267	Light bar Whelen Justice model JE2NFPA 56" LED with clear lenses and MKEZ7 mounts. N/A on Vista roofs with front facing windows. Includes (4) red corner facing LIN6 LED lights, (6) forward facing CON3 Linear LED lights; (4) red, (2) white. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0149-534	Whelen M6 Super LED lower level warning light package. Includes (10) red M6R LED light heads w/chrome flanges. Locate side facing lights: at forward most	1	

Salescode	Extended Description	Qty	
WARNING LIGHT PACKAGES			
	position, centered in rear wheel well, and on side of beavertail.		
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-B13	The primary electronic siren control is to be located center console.	1	
SPEAKERS			
5510-0028	Speaker Federal Dynamax ES100. Located officer's side behind tow hook. Navistar 4400 chassis only.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0022	Marker light LED body package. Commercial pumper bodies only.	1	
5150-0102	Whelen M6 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical 3 light housing and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0011	Compartment light package LED for small bodies.	1	
5380-0030	Ground light package LED - small.	1	
LIGHTS - DECK AND SCENE			
5390-0003	Hose bed light Truck-Lite. Locate at the front area of the hose bed. Switched with work light switch in cab.	1	
5390-0022	Crosslay light Truck-Lite. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
5390-0024-395	Deck Light - Truck-Lite (PR). Location: rear body/beavertail area on the trailing edge up high.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0010	Incandescent pump compartment light (EA).	1	
5400-0031	Pair of Cab Dome Large Lights mounted driver and officer side front. N/A on E-One Chassis. Required on Comm Chassis.	1	

Salescode	Extended Description	Qty	
LIGHTS - NON-WARNING			
5400-0259	TecNiq model E10 pump panel LED light package with (3) lights per side pump panel. Pump panels over 45" may require additional lights. Side mount only.	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
ELBOWS			
7400-0012	Chrome discharge elbow 2.5" FNST x 2.5" Male 3.187 x 6 thread per inch with a 2.5" Female 3.187 x 6 thread per inch chrome rocker lug cap with chain, 45 Degree.	3	
HOSE / NOZZLES			
7700-0004	Hard suction hose 6" X 10'. Smooth bore, black rubber hard suction hose for heavy duty service. Built with a spiral wire helix, and nylon fabric reinforcement piles. Tube and cover are taut, black rubber that is age and abrasion resistant.	2	
GROUND LADDERS			
7800-0007	Alco-Lite PRL-14' roof ladder.	1	
7800-0016	Alco-Lite PEL-24' 2-section extension ladder.	1	
7800-0032	Alco-Lite FL-10, 10' folding ladder w/safety shoes.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0089	All applicable pump/pre-connect application modules are to have a sanded finish (not painted job color). Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.	1	
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	
8100-0182-000-17	Paint Body - Small - For Pumpers, Rear Mounts, S/A Tankers/Wetsides and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0442-000-17	International cab paint (by chassis OEM). Paint to match FLNA3225E-1 Red.	1	
STRIPING			

Salescode	Extended Description	Qty	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
GRAPHICS			
8400-0067	E-ONE logo with grey backing on M6 series vertical tail light housing (PR).	1	
WARRANTY / STANDARD			
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
9100-0039	1 year full warranty.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	
Dealer Supplied Equipment			

ITEM #2
Pumper
Kenworth

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Kenworth Chassis
Item #2

Quotation Number: 90488 Rev: 5

Unit Description: PMPR-COMM

Quote Description: Pumper, Commercial Chassis Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3090-0007	Hosebed hoseload allowance on the apparatus shall be 1200 lbs.	1	
3340-1137-12B	Equipment allowance on the apparatus shall be 2000 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
CHASSIS PREP			
1020-0035	Commercial Chasis Prep E-1 supplied Kenworth	1	
TIRE OPTIONS			
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
AIR SYSTEM OPTIONS			
1110-0010-277	Air inlet. To charge brake system. Commercial chassis only. Location: driver's door step area.	1	
ENGINES & TRANSMISSIONS			
1200-0126	Commercial chassis speed to be electronic limited and not to exceed a maximum of 68 MPH. Note: Speed rating may be lower based on OEM tire ratings/top speed limitations provided on chassis.	1	
1200-0336	PACCAR PX-9 engine 380 HP @ 2000 RPM, 1150 lb-ft Torque @ 1400 RPM, 2200 RPM Governed Speed	1	
CHASSIS OPTIONS			

Salescode	Extended Description	Qty	
CHASSIS OPTIONS			
1680-0011	Tow eyes rear below body, painted.	1	
1680-0078	Tow hooks front OEM. Not available with extended E-ONE installed front bumper. Tow hooks are OEM supplied with chassis.	1	
1680-0252	OEM chassis step package for Kenworth Commercial Chassis. Includes mounting plate for the battery charger receptacle and air inlet.	1	
CAB MODEL			
1520-0152	Kenworth commercial cab and chassis two (2) door T370 4X2. PX-9 engines up to 380 HP.	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
CAB DOOR OPTIONS			
1550-0227	Reflective striping shall be installed on commercial cab doors, visible when the door is open, meeting NFPA requirement of 96 sq. in. coverage for each door.	1	
MISC EXTERIOR CAB OPTIONS			
1675-0007	Diesel fuel only label.	1	
SEATS			
1685-0012	Seating capacity tag of two occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0450	Center control console painted black Zolatone. Locate in cab between driver and officer. Includes area for NFPA siren, electrical, and in-cab controls (as applicable) switching.	1	
CAB ELECTRICAL OPTIONS			
1750-0059-277-04	Receptacle inlet 20 amp with a Yellow cover. Location: driver's door step area.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
BODY COMPT LEFT SIDE			
3100-0096	Driver side body with full height 42" wide forward and 42" wide rearward compartmentation. Includes (1) 56" wide compartment over the wheel well.	1	
BODY COMPT RIGHT SIDE			
3120-0005	Officer half side body with 42" wide forward and 42" wide rearward compartmentation. Includes adjustable ladder tracks.	1	
BODY COMPT REAR			

Salescode	Extended Description	Qty	
BODY COMPT REAR			
3110-0005	Full Height Rear Compartment. Includes smooth plate panels.	1	
3110-0034	Upper rear compartment depth to be shallow.	1	
3340-0080	Bolt-on diamond plate 18" tailboard (full width of body). Includes (2) squared off beavertails (no stanchions) with removable outer panels and handrails- (2) vertical on trailing edge of body and horizontal mounted handrail(s) below hosebed.	1	
DOORS			
3300-0017-004	Door roll up short (up to 45") with satin finish ROM. Location(s): L2.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-005	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L3.	1	
3300-0019-027	Door roll up tall (greater than 45") with satin finish ROM. Location(s): B1.	1	
3300-0289-015	Door double vertical hinged w/rotary latches - painted . Location(s): R1 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-016	Door double vertical hinged w/rotary latches - painted . Location(s): R2 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP MODULE			
3130-0167	Pump module to be 76" wide (side to side). Includes upper, lower, crosswalk, speedlay and tranverse module(s) if applicable.	1	
3130-0523	Side mount pump module. Extruded aluminum with runningboards.	1	
3130-0532	Pump panel opening is 39" wide. Pumper / tanker only.	1	
3130-0539	Pump module height is 75". Pumper / tanker only.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0143	Officer side pump panel to be vertical hinged on forward extrusion. Panel to be (3) pieces with upper (2) panels secured in the closed position with push button latches. Upper panel to be held open with gas shock.	1	
MISC PUMP PANEL OPTIONS			

Salescode	Extended Description	Qty	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	
PUMP MODULE OPTIONS			
3136-0058	E-ONE logo mounted one each side on pump module/preconnect panels. Logos to be sized as applicable to available space on panels.	1	
3136-0138	Pump module storage pan.	1	
3136-0139	Crosslay double 7.5" wide each to hold up to 200' of 2.0" DJ hose (each).	1	
WATER TANK			
4010-0099	Fill tower(s) to be located offset to officer side of water tank.	1	
4010-0176	780 Gallon "T" Water Tank. UPF Poly III color fill towers. Note: Any foam cell(s) and/or storage options through the tank will reduce the overall water capacity.	1	
TANK PLUMBING			
4450-0010	2" tank fill Akron manual valve.	1	
4450-0119	3" tank to pump Akron manual valve w/4" tank connection.	1	
LADDER STORAGE / RACKS			
3365-0031	Hard Suction Storage Rack. Officer side in adjustable track above ladders (if applicable). Includes spring hold downs and scuff plates.	2	
3365-0049	Brand of ladders capable of being carried on unit to be Alco-Lite.	1	
3365-0087-C57	The length of ladders capable of being stored shall be the following: 24' 2-section and 14' roof ladder.	1	
HANDRAILS / STEPS			
3330-0277	Innovative Controls dual lighted LED folding steps rear NFPA. Includes folding steps on driver side rear of the body. (staggered stepped as applicable with tailboard depth) for NFPA hosebed access and handrail mounted on driver side upper hosebed side (as applicable).	1	
MISC BODY OPTIONS			
3340-0004	Hosebed above the booster tank. Includes forward hosebed and tower(s) cover plate work (as applicable). Hosebed adjustable divider extrusion rearward of the furthest tower is to run full width of the hosebed (as is practical with other hosebed mounted equipment).	1	
3340-0015	Diamond plate single axle wheel well. Includes bolt-on composite wheel well liners and aluminum trim fenderettes.	1	
3340-0035	Divider Long. To run full length of hose bed (front to rear).	1	

Salescode	Extended Description	Qty	
MISC BODY OPTIONS			
3340-0074	Body mainframe and hosebed side assemblies for a 85" high body.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0110	The rear of each hose bed divider to have a hand hold cut-out(s).	1	
3340-0145	Rub rail for the body and pump area module(s).	1	
3340-0681	Body mainframe layout line to be 24". Includes body and all applicable modules.	1	
3340-1560	Body or pump module notch to accommodate the exhaust canister for high horsepower engines (380 HP or more) on commercial chassis. Right side lower front compartments and/or pump module may be modified.	1	
PUMPS			
4005-0031	Rating 1500 GPM.	1	
4005-0196	Hale QMAX 1000-2250 GPM single stage pump. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PUMP OPTIONS			
4015-0029	Hale pressure relief valve.	1	
4015-0037	Engine throttle, vernier.	1	
4015-0038	Pump seal packing for Hale pump.	1	
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0098	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location on pump panel.	1	
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0014-581	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 1.	1	

Salescode	Extended Description	Qty	
DISCHARGES AND PRECONNECTS			
4415-0014-582	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 2.	1	
4415-0016-583	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 1.	1	
4415-0016-584	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 2.	1	
4415-0022-350	2.5" Left Rear Discharge Akron Manual Valve. Location: left rear discharge.	1	
4415-0041	3" Deck Gun Discharge, Akron manual valve. (outlet shall terminate with MNPT threads unless extend gun is install)	1	
4417-0106-L65	Deck gun piping to be positioned centered in deck gun channel.	1	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	8	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
4417-0246	Dealer installed monitor, make and model as specified.	1	
GAUGES			
4435-0069	Class 1 ENFO IV system on pump operator's panel.	1	
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	8	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			
5010-0014-B13	Vehicle data recorder for commercial cab - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: center console.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-B13	VFD Text display for V-MUX electrical system. Location: center console.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0267	Light bar Whelen Justice model JE2NFPA 56" LED with clear lenses and MKEZ7 mounts. N/A on Vista roofs with front facing windows. Includes (4) red corner	1	

Salescode	Extended Description	Qty	
LIGHT BARS			
	facing LIN6 LED lights, (6) forward facing CON3 Linear LED lights; (4) red, (2) white. Location: Centered on the front cab roof.		
WARNING LIGHT PACKAGES			
5550-0149-534	Whelen M6 Super LED lower level warning light package. Includes (10) red M6R LED light heads w/chrome flanges. Locate side facing lights: at forward most position, centered in rear wheel well, and on side of beavertail.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-B13	The primary electronic siren control is to be located center console.	1	
SPEAKERS			
5510-0029-209	Speaker, Federal Signal Dynamax ES100 with "E-ONE" grille through bumper. Location: driver side front bumper.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0022	Marker light LED body package. Commercial pumper bodies only.	1	
5150-0102	Whelen M6 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical 3 light housing and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0011	Compartment light package LED for small bodies.	1	
5380-0030	Ground light package LED - small.	1	
LIGHTS - DECK AND SCENE			
5390-0003	Hose bed light Truck-Lite. Locate at the front area of the hose bed. Switched with work light switch in cab.	1	
5390-0022	Crosslay light Truck-Lite. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
5390-0024-395	Deck Light - Truck-Lite (PR). Location: rear body/beavertail area on the trailing edge up high.	1	

Salescode	Extended Description	Qty	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0010	Incandescent pump compartment light (EA).	1	
5400-0031	Pair of Cab Dome Large Lights mounted driver and officer side front. N/A on E-One Chassis. Required on Comm Chassis.	1	
5400-0259	TecNiq model E10 pump panel LED light package with (3) lights per side pump panel. Pump panels over 45" may require additional lights. Side mount only.	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
ELBOWS			
7400-0012	Chrome discharge elbow 2.5" FNST x 2.5" Male 3.187 x 6 thread per inch with a 2.5" Female 3.187 x 6 thread per inch chrome rocker lug cap with chain, 45 Degree.	3	
HOSE / NOZZLES			
7700-0004	Hard suction hose 6" X 10'. Smooth bore, black rubber hard suction hose for heavy duty service. Built with a spiral wire helix, and nylon fabric reinforcement piles. Tube and cover are taut, black rubber that is age and abrasion resistant.	2	
GROUND LADDERS			
7800-0007	Alco-Lite PRL-14' roof ladder.	1	
7800-0016	Alco-Lite PEL-24' 2-section extension ladder.	1	
7800-0032	Alco-Lite FL-10, 10' folding ladder w/safety shoes.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0089	All applicable pump/pre-connect application modules are to have a sanded finish (not painted job color). Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.	1	
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	

Salescode	Extended Description	Qty	
EXTERIOR PAINT			
8100-0182-000-17	Paint Body - Small - For Pumpers, Rear Mounts, S/A Tankers/Wetsides and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0440-000-7W	Kenworth cab paint (by chassis OEM). Paint to match As Specified.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
GRAPHICS			
8400-0067	E-ONE logo with grey backing on M6 series vertical tail light housing (PR).	1	
WARRANTY / STANDARD			
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
9100-0039	1 year full warranty.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	
Dealer Supplied Equipment			

ITEM #2
Pumper
Peterbilt

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Ptererbilt Chassis
Item# 2

Quotation Number: 90491 Rev: 3

Unit Description: PMPR-COMM

Quote Description: Pumper, Commercial Chassis Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3090-0007	Hosebed hoseload allowance on the apparatus shall be 1200 lbs.	1	
3340-1137-12B	Equipment allowance on the apparatus shall be 2000 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
CHASSIS PREP			
1020-0039	Chassis prep for a Peterbuilt chassis.	1	
TIRE OPTIONS			
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
AIR SYSTEM OPTIONS			
1110-0010-277	Air inlet. To charge brake system. Commercial chassis only. Location: driver's door step area.	1	
ENGINES & TRANSMISSIONS			
1200-0126	Commercial chassis speed to be electronic limited and not to exceed a maximum of 68 MPH. Note: Speed rating may be lower based on OEM tire ratings/top speed limitations provided on chassis.	1	
1200-0336	PACCAR PX-9 engine 380 HP @ 2000 RPM, 1150 lb-ft Torque @ 1400 RPM, 2200 RPM Governed Speed	1	
CHASSIS OPTIONS			

Salescode	Extended Description	Qty	
CHASSIS OPTIONS			
1680-0011	Tow eyes rear below body, painted.	1	
1680-0078	Tow hooks front OEM. Not available with extended E-ONE installed front bumper. Tow hooks are OEM supplied with chassis.	1	
1680-0394	OEM chassis step package for Peterbuilt Commercial Chassis. Includes mounting plate for the battery charger receptacle and air inlet.	1	
CAB MODEL			
1520-0156	CAB 2DR Peterbuilt model 348 4x2 with horzontial exhaust RH side exit. PX9 engine 380 HP.	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
CAB DOOR OPTIONS			
1550-0227	Reflective striping shall be installed on commercial cab doors, visible when the door is open, meeting NFPA requirement of 96 sq. in. coverage for each door.	1	
MISC EXTERIOR CAB OPTIONS			
1675-0007	Diesel fuel only label.	1	
SEATS			
1685-0012	Seating capacity tag of two occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0450	Center control console painted black Zolatone. Locate in cab between driver and officer. Includes area for NFPA siren, electrical, and in-cab controls (as applicable) switching.	1	
CAB ELECTRICAL OPTIONS			
1750-0059-277-04	Receptacle inlet 20 amp with a Yellow cover. Location: driver's door step area.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
BODY COMPT LEFT SIDE			
3100-0096	Driver side body with full height 42" wide forward and 42" wide rearward compartmentation. Includes (1) 56" wide compartment over the wheel well.	1	
BODY COMPT RIGHT SIDE			
3120-0005	Officer half side body with 42" wide forward and 42" wide rearward compartmentation. Includes adjustable ladder tracks.	1	
BODY COMPT REAR			

Salescode	Extended Description	Qty	
BODY COMPT REAR			
3110-0005	Full Height Rear Compartment. Includes smooth plate panels.	1	
3110-0034	Upper rear compartment depth to be shallow.	1	
3340-0080	Bolt-on diamond plate 18" tailboard (full width of body). Includes (2) squared off beavertails (no stanchions) with removable outer panels and handrails- (2) vertical on trailing edge of body and horizontal mounted handrail(s) below hosebed.	1	
DOORS			
3300-0017-004	Door roll up short (up to 45") with satin finish ROM. Location(s): L2.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-005	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L3.	1	
3300-0019-027	Door roll up tall (greater than 45") with satin finish ROM. Location(s): B1.	1	
3300-0289-015	Door double vertical hinged w/rotary latches - painted . Location(s): R1 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-016	Door double vertical hinged w/rotary latches - painted . Location(s): R2 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP MODULE			
3130-0167	Pump module to be 76" wide (side to side). Includes upper, lower, crosswalk, speedlay and tranverse module(s) if applicable.	1	
3130-0523	Side mount pump module. Extruded aluminum with runningboards.	1	
3130-0532	Pump panel opening is 39" wide. Pumper / tanker only.	1	
3130-0539	Pump module height is 75". Pumper / tanker only.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0143	Officer side pump panel to be vertical hinged on forward extrusion. Panel to be (3) pieces with upper (2) panels secured in the closed position with push button latches. Upper panel to be held open with gas shock.	1	
MISC PUMP PANEL OPTIONS			

Salescode	Extended Description	Qty	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	
PUMP MODULE OPTIONS			
3136-0058	E-ONE logo mounted one each side on pump module/preconnect panels. Logos to be sized as applicable to available space on panels.	1	
3136-0138	Pump module storage pan.	1	
3136-0139	Crosslay double 7.5" wide each to hold up to 200' of 2.0" DJ hose (each).	1	
WATER TANK			
4010-0099	Fill tower(s) to be located offset to officer side of water tank.	1	
4010-0176	780 Gallon "T" Water Tank. UPF Poly III color fill towers. Note: Any foam cell(s) and/or storage options through the tank will reduce the overall water capacity.	1	
TANK PLUMBING			
4450-0010	2" tank fill Akron manual valve.	1	
4450-0119	3" tank to pump Akron manual valve w/4" tank connection.	1	
LADDER STORAGE / RACKS			
3365-0031	Hard Suction Storage Rack. Officer side in adjustable track above ladders (if applicable). Includes spring hold downs and scuff plates.	2	
3365-0049	Brand of ladders capable of being carried on unit to be Alco-Lite.	1	
3365-0087-C57	The length of ladders capable of being stored shall be the following: 24' 2-section and 14' roof ladder.	1	
HANDRAILS / STEPS			
3330-0277	Innovative Controls dual lighted LED folding steps rear NFPA. Includes folding steps on driver side rear of the body. (staggered stepped as applicable with tailboard depth) for NFPA hosebed access and handrail mounted on driver side upper hosebed side (as applicable).	1	
MISC BODY OPTIONS			
3340-0004	Hosebed above the booster tank. Includes forward hosebed and tower(s) cover plate work (as applicable). Hosebed adjustable divider extrusion rearward of the furthest tower is to run full width of the hosebed (as is practical with other hosebed mounted equipment).	1	
3340-0015	Diamond plate single axle wheel well. Includes bolt-on composite wheel well liners and aluminum trim fenderettes.	1	
3340-0035	Divider Long. To run full length of hose bed (front to rear).	1	

Salescode	Extended Description	Qty	
MISC BODY OPTIONS			
3340-0074	Body mainframe and hosebed side assemblies for a 85" high body.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0110	The rear of each hose bed divider to have a hand hold cut-out(s).	1	
3340-0145	Rub rail for the body and pump area module(s).	1	
3340-0681	Body mainframe layout line to be 24". Includes body and all applicable modules.	1	
3340-1560	Body or pump module notch to accommodate the exhaust canister for high horsepower engines (380 HP or more) on commercial chassis. Right side lower front compartments and/or pump module may be modified.	1	
PUMPS			
4005-0031	Rating 1500 GPM.	1	
4005-0196	Hale QMAX 1000-2250 GPM single stage pump. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PUMP OPTIONS			
4015-0029	Hale pressure relief valve.	1	
4015-0037	Engine throttle, vernier.	1	
4015-0038	Pump seal packing for Hale pump.	1	
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0098	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location on pump panel.	1	
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0014-581	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 1.	1	

Salescode	Extended Description	Qty	
DISCHARGES AND PRECONNECTS			
4415-0014-582	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 2.	1	
4415-0016-583	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 1.	1	
4415-0016-584	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 2.	1	
4415-0022-350	2.5" Left Rear Discharge Akron Manual Valve. Location: left rear discharge.	1	
4415-0041	3" Deck Gun Discharge, Akron manual valve. (outlet shall terminate with MNPT threads unless extend gun is install)	1	
4417-0106-L65	Deck gun piping to be positioned centered in deck gun channel.	1	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	8	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
4417-0246	Dealer installed monitor, make and model as specified.	1	
GAUGES			
4435-0069	Class 1 ENFO IV system on pump operator's panel.	1	
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	8	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			
5010-0014-B13	Vehicle data recorder for commercial cab - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: center console.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-B13	VFD Text display for V-MUX electrical system. Location: center console.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0267	Light bar Whelen Justice model JE2NFPA 56" LED with clear lenses and MKEZ7 mounts. N/A on Vista roofs with front facing windows. Includes (4) red corner	1	

Salescode	Extended Description	Qty	
LIGHT BARS			
	facing LIN6 LED lights, (6) forward facing CON3 Linear LED lights; (4) red, (2) white. Location: Centered on the front cab roof.		
WARNING LIGHT PACKAGES			
5550-0149-534	Whelen M6 Super LED lower level warning light package. Includes (10) red M6R LED light heads w/chrome flanges. Locate side facing lights: at forward most position, centered in rear wheel well, and on side of beavertail.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-B13	The primary electronic siren control is to be located center console.	1	
SPEAKERS			
5510-0029-209	Speaker, Federal Signal Dynamax ES100 with "E-ONE" grille through bumper. Location: driver side front bumper.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0022	Marker light LED body package. Commercial pumper bodies only.	1	
5150-0102	Whelen M6 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical 3 light housing and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0011	Compartment light package LED for small bodies.	1	
5380-0030	Ground light package LED - small.	1	
LIGHTS - DECK AND SCENE			
5390-0003	Hose bed light Truck-Lite. Locate at the front area of the hose bed. Switched with work light switch in cab.	1	
5390-0022	Crosslay light Truck-Lite. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
5390-0024-395	Deck Light - Truck-Lite (PR). Location: rear body/beavertail area on the trailing edge up high.	1	

Salescode	Extended Description	Qty	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0010	Incandescent pump compartment light (EA).	1	
5400-0031	Pair of Cab Dome Large Lights mounted driver and officer side front. N/A on E-One Chassis. Required on Comm Chassis.	1	
5400-0259	TecNiq model E10 pump panel LED light package with (3) lights per side pump panel. Pump panels over 45" may require additional lights. Side mount only.	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
ELBOWS			
7400-0012	Chrome discharge elbow 2.5" FNST x 2.5" Male 3.187 x 6 thread per inch with a 2.5" Female 3.187 x 6 thread per inch chrome rocker lug cap with chain, 45 Degree.	3	
HOSE / NOZZLES			
7700-0004	Hard suction hose 6" X 10'. Smooth bore, black rubber hard suction hose for heavy duty service. Built with a spiral wire helix, and nylon fabric reinforcement piles. Tube and cover are taut, black rubber that is age and abrasion resistant.	2	
GROUND LADDERS			
7800-0007	Alco-Lite PRL-14' roof ladder.	1	
7800-0016	Alco-Lite PEL-24' 2-section extension ladder.	1	
7800-0032	Alco-Lite FL-10, 10' folding ladder w/safety shoes.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0089	All applicable pump/pre-connect application modules are to have a sanded finish (not painted job color). Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.	1	
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	

Salescode	Extended Description	Qty	
EXTERIOR PAINT			
8100-0182-000-17	Paint Body - Small - For Pumpers, Rear Mounts, S/A Tankers/Wetsides and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0516-000-7W	Peterbilt cab paint (by chassis OEM). Paint to match As Specified.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
GRAPHICS			
8400-0067	E-ONE logo with grey backing on M6 series vertical tail light housing (PR).	1	
WARRANTY / STANDARD			
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
9100-0039	1 year full warranty.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	
Dealer Supplied Equipment			

ITEM #3
Tanker
Freightliner

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Freightliner Chassis
Item#3

Quotation Number: 90494 Rev: 5

Unit Description: PMPR-COMM

Quote Description: Pumper, Commercial Chassis Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3090-0007	Hosebed hoseload allowance on the apparatus shall be 1200 lbs.	1	
3340-1137-12B	Equipment allowance on the apparatus shall be 2000 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
CHASSIS PREP			
1020-0010	Comm Chassis Prep E-1 supplied Freightliner.	1	
TIRE OPTIONS			
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
AIR SYSTEM OPTIONS			
1110-0010-277	Air inlet. To charge brake system. Commercial chassis only. Location: driver's door step area.	1	
ENGINES & TRANSMISSIONS			
1200-0137	Electronic speed limiting set to 60 MPH.	1	
1200-0357	Cummins L9 engine, 300 HP @ 2000 RPM, 860 lb-ft Torque @ 1300 RPM, 2200 RPM Governed Speed	1	

CHASSIS OPTIONS		
1680-0011	Tow eyes rear below body, painted.	1
1680-0078	Tow hooks front OEM. Not available with extended E-ONE installed front bumper.	1

Salescode	Extended Description	Qty	
CHASSIS OPTIONS			
	Tow hooks are OEM supplied with chassis.		
1680-0104	OEM chassis step package for Freightliner M2 series. Includes mounting plate for the battery charger receptacle and air inlet.	1	
CAB MODEL			
1500-0008	Two door Freightliner M2 106 4x2	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
CAB DOOR OPTIONS			
1550-0227	Reflective striping shall be installed on commercial cab doors, visible when the door is open, meeting NFPA requirement of 96 sq. in. coverage for each door.	1	
MISC EXTERIOR CAB OPTIONS			
1675-0007	Diesel fuel only label.	1	
SEATS			
1685-0012	Seating capacity tag of two occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0450	Center control console painted black Zolatone. Locate in cab between driver and officer. Includes area for NFPA siren, electrical, and in-cab controls (as applicable) switching.	1	
CAB ELECTRICAL OPTIONS			
1750-0059-277-04	Receptacle inlet 20 amp with a Yellow cover. Location: driver's door step area.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
BODY COMPT LEFT SIDE			
3100-0128	Driver side body with full height 60" wide forward and 42" wide rearward compartmentation. Includes (1) 56" wide compartment over the wheel well.	1	
BODY COMPT RIGHT SIDE			
3120-0123	Officer half side body with 60" wide forward and 42" wide rearward compartmentation. Includes adjustable ladder tracks.	1	
BODY COMPT REAR			
3110-0005	Full Height Rear Compartment. Includes smooth plate panels.	1	
3110-0034	Upper rear compartment depth to be shallow.	1	

Salescode	Extended Description	Qty	
BODY COMPT REAR			
3340-0080	Bolt-on diamond plate 18" tailboard (full width of body). Includes (2) squared off beavertails (no stanchions) with removable outer panels and handrails- (2) vertical on trailing edge of body and horizontal mounted handrail(s) below hosebed.	1	
DOORS			
3300-0017-004	Door roll up short (up to 45") with satin finish ROM. Location(s): L2.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-005	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L3.	1	
3300-0019-027	Door roll up tall (greater than 45") with satin finish ROM. Location(s): B1.	1	
3300-0289-015	Door double vertical hinged w/rotary latches - painted . Location(s): R1 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-016	Door double vertical hinged w/rotary latches - painted . Location(s): R2 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP MODULE			
3130-0167	Pump module to be 76" wide (side to side). Includes upper, lower, crosswalk, speedlay and tranverse module(s) if applicable.	1	
3130-0523	Side mount pump module. Extruded aluminum with runningboards.	1	
3130-0532	Pump panel opening is 39" wide. Pumper / tanker only.	1	
3130-0539	Pump module height is 75". Pumper / tanker only.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0143	Officer side pump panel to be vertical hinged on forward extrusion. Panel to be (3) pieces with upper (2) panels secured in the closed position with push button latches. Upper panel to be held open with gas shock.	1	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	
PUMP MODULE OPTIONS			

Salescode	Extended Description	Qty	
PUMP MODULE OPTIONS			
3136-0058	E-ONE logo mounted one each side on pump module/preconnect panels. Logos to be sized as applicable to available space on panels.	1	
3136-0138	Pump module storage pan.	1	
3136-0139	Crosslay double 7.5" wide each to hold up to 200' of 2.0" DJ hose (each).	1	
WATER TANK			
4010-0099	Fill tower(s) to be located offset to officer side of water tank.	1	
4010-0182	1530 Gallon "T" Water Tank. UPF Poly III color fill towers. Note: Any foam cell(s) and/or storage options through the tank will reduce the overall water capacity.	1	
TANK PLUMBING			
4450-0010	2" tank fill Akron manual valve.	1	
4450-0119	3" tank to pump Akron manual valve w/4" tank connection.	1	
LADDER STORAGE / RACKS			
3365-0031	Hard Suction Storage Rack. Officer side in adjustable track above ladders (if applicable). Includes spring hold downs and scuff plates.	2	
3365-0049	Brand of ladders capable of being carried on unit to be Alco-Lite.	1	
3365-0087-C57	The length of ladders capable of being stored shall be the following: 24' 2-section and 14' roof ladder.	1	
HANDRAILS / STEPS			
3330-0277	Innovative Controls dual lighted LED folding steps rear NFPA. Includes folding steps on driver side rear of the body. (staggered stepped as applicable with tailboard depth) for NFPA hosebed access and handrail mounted on driver side upper hosebed side (as applicable).	1	
MISC BODY OPTIONS			
3340-0004	Hosebed above the booster tank. Includes forward hosebed and tower(s) cover plate work (as applicable). Hosebed adjustable divider extrusion rearward of the furthest tower is to run full width of the hosebed (as is practical with other hosebed mounted equipment).	1	
3340-0015	Diamond plate single axle wheel well. Includes bolt-on composite wheel well liners and aluminum trim fenderettes.	1	
3340-0035	Divider Long. To run full length of hose bed (front to rear).	1	
3340-0075	Body mainframe and hosebed side assemblies for a 90" high body.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0110	The rear of each hose bed divider to have a hand hold cut-out(s).	1	

Salescode	Extended Description	Qty	
MISC BODY OPTIONS			
3340-0145	Rub rail for the body and pump area module(s).	1	
3340-0681	Body mainframe layout line to be 24". Includes body and all applicable modules.	1	
PUMPS			
4005-0030	Rating 1250 GPM	1	
4005-0195	Hale QFLO 750-1250 GPM pump, single stage. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PUMP OPTIONS			
4015-0029	Hale pressure relief valve.	1	
4015-0037	Engine throttle, vernier.	1	
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0098	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location on pump panel.	1	
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0014-581	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 1.	1	
4415-0014-582	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 2.	1	
4415-0016-583	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 1.	1	
4415-0022-350	2.5" Left Rear Discharge Akron Manual Valve. Location: left rear discharge.	1	
4415-0041	3" Deck Gun Discharge, Akron manual valve. (outlet shall terminate with MNPT threads unless extend gun is install)	1	
4417-0106-L65	Deck gun piping to be positioned centered in deck gun channel.	1	

Salescode	Extended Description	Qty	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	7	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
4417-0246	Dealer installed monitor, make and model as specified.	1	
GAUGES			
4435-0069	Class 1 ENFO IV system on pump operator's panel.	1	
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	7	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			
5010-0014-G97	Vehicle data recorder for commercial cab - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: cab dash above transmission shift panel.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-339	VFD Text display for V-MUX electrical system. Location: center of dash.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0267	Light bar Whelen Justice model JE2NFPA 56" LED with clear lenses and MKEZ7 mounts. N/A on Vista roofs with front facing windows. Includes (4) red corner facing LIN6 LED lights, (6) forward facing CON3 Linear LED lights; (4) red, (2) white. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0149-534	Whelen M6 Super LED lower level warning light package. Includes (10) red M6R LED light heads w/chrome flanges. Locate side facing lights: at forward most position, centered in rear wheel well, and on side of beavertail.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	

Salescode	Extended Description	Qty	
WARNING LIGHTS			
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-B13	The primary electronic siren control is to be located center console.	1	
SPEAKERS			
5510-0029-209	Speaker, Federal Signal Dynamax ES100 with "E-ONE" grille through bumper. Location: driver side front bumper.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0022	Marker light LED body package. Commercial pumper bodies only.	1	
5150-0102	Whelen M6 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical 3 light housing and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0011	Compartment light package LED for small bodies.	1	
5380-0030	Ground light package LED - small.	1	
LIGHTS - DECK AND SCENE			
5390-0058-395	Deck Lights - Truck-Lite LED model 81380 (PR). Location: rear body/beavertail area on the trailing edge up high.	1	
5390-0216	Hose bed light Optronics LED model TLL44 Locate at front of hose bed. Switched with work light switch in cab.	1	
5390-0217	Crosslay light Optronics LED model TLL44. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0011	LED pump compartment light (EA).	1	
5400-0031	Pair of Cab Dome Large Lights mounted driver and officer side front. N/A on E-One Chassis. Required on Comm Chassis.	1	
5400-0259	TecNiq model E10 pump panel LED light package with (3) lights per side pump panel. Pump panels over 45" may require additional lights. Side mount only.	1	
CONTROLS / SWITCHES			

Salescode	Extended Description	Qty	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
ELBOWS			
7400-0012	Chrome discharge elbow 2.5" FNST x 2.5" Male 3.187 x 6 thread per inch with a 2.5" Female 3.187 x 6 thread per inch chrome rocker lug cap with chain, 45 Degree.	3	
HOSE / NOZZLES			
7700-0004	Hard suction hose 6" X 10'. Smooth bore, black rubber hard suction hose for heavy duty service. Built with a spiral wire helix, and nylon fabric reinforcement piles. Tube and cover are taut, black rubber that is age and abrasion resistant.	2	
GROUND LADDERS			
7800-0007	Alco-Lite PRL-14' roof ladder.	1	
7800-0016	Alco-Lite PEL-24' 2-section extension ladder.	1	
7800-0032	Alco-Lite FL-10, 10' folding ladder w/safety shoes.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0089	All applicable pump/pre-connect application modules are to have a sanded finish (not painted job color). Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.	1	
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	
8100-0182-000-17	Paint Body - Small - For Pumpers, Rear Mounts, S/A Tankers/Wetsides and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0443-000-17	Freightliner cab paint (by chassis OEM). Paint to match FLNA3225E-1 Red.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	

Salescode	Extended Description	Qty	
STRIPING			
8300-0331	Single NFPA Scotchlite Stripe - upto 6" wide with hockey style, Z or S style or other customer specific design style. Stripe to be installed on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
GRAPHICS			
8400-0067	E-ONE logo with grey backing on M6 series vertical tail light housing (PR).	1	
WARRANTY / STANDARD			
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
9100-0039	1 year full warranty.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	
Dealer Supplied Equipment			

ITEM #3
Tanker
International

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
International Chassis
Item #3

Quotation Number: 72733 Rev: 16

Unit Description: PMPR-COMM

Quote Description: Pumper, Commercial Chassis Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3090-0007	Hosebed hoseload allowance on the apparatus shall be 1200 lbs.	1	
3340-1137-12B	Equipment allowance on the apparatus shall be 2000 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
CHASSIS PREP			
1020-0011	Commercial Chassis Prep for E-1supplied International chassis	1	
TIRE OPTIONS			
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
AIR SYSTEM OPTIONS			
1110-0010-277	Air inlet. To charge brake system. Commercial chassis only. Location: driver's door step area.	1	
ENGINES & TRANSMISSIONS			
1200-0137	Electronic speed limiting set to 60 MPH.	1	
1200-0357	Cummins L9 engine, 300 HP @ 2000 RPM, 860 lb-ft Torque @ 1300 RPM, 2200 RPM Governed Speed	1	
CHASSIS OPTIONS			
1680-0011	Tow eyes rear below body, painted.	1	
1680-0078	Tow hooks front OEM. Not available with extended E-ONE installed front bumper.	1	

Salescode	Extended Description	Qty	
CHASSIS OPTIONS			
	Tow hooks are OEM supplied with chassis.		
1680-0106	OEM chassis step package for International 4000 and 7000 series. Includes mounting plate for the battery charger receptacle and air inlet.	1	
CAB MODEL			
1500-0012	CAB 2DR INTL 7400 4x2.	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
CAB DOOR OPTIONS			
1550-0227	Reflective striping shall be installed on commercial cab doors, visible when the door is open, meeting NFPA requirement of 96 sq. in. coverage for each door.	1	
MISC EXTERIOR CAB OPTIONS			
1675-0007	Diesel fuel only label.	1	
SEATS			
1685-0012	Seating capacity tag of two occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0450	Center control console painted black Zolatone. Locate in cab between driver and officer. Includes area for NFPA siren, electrical, and in-cab controls (as applicable) switching.	1	
CAB ELECTRICAL OPTIONS			
1750-0059-277-04	Receptacle inlet 20 amp with a Yellow cover. Location: driver's door step area.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
BODY COMPT LEFT SIDE			
3100-0128	Driver side body with full height 60" wide forward and 42" wide rearward compartmentation. Includes (1) 56" wide compartment over the wheel well.	1	
BODY COMPT RIGHT SIDE			
3120-0123	Officer half side body with 60" wide forward and 42" wide rearward compartmentation. Includes adjustable ladder tracks.	1	
BODY COMPT REAR			
3110-0005	Full Height Rear Compartment. Includes smooth plate panels.	1	
3110-0034	Upper rear compartment depth to be shallow.	1	

Salescode	Extended Description	Qty	
BODY COMPT REAR			
3340-0080	Bolt-on diamond plate 18" tailboard (full width of body). Includes (2) squared off beavertails (no stanchions) with removable outer panels and handrails- (2) vertical on trailing edge of body and horizontal mounted handrail(s) below hosebed.	1	
DOORS			
3300-0017-004	Door roll up short (up to 45") with satin finish ROM. Location(s): L2.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-005	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L3.	1	
3300-0019-027	Door roll up tall (greater than 45") with satin finish ROM. Location(s): B1.	1	
3300-0289-015	Door double vertical hinged w/rotary latches - painted . Location(s): R1 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-016	Door double vertical hinged w/rotary latches - painted . Location(s): R2 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP MODULE			
3130-0167	Pump module to be 76" wide (side to side). Includes upper, lower, crosswalk, speedlay and tranverse module(s) if applicable.	1	
3130-0523	Side mount pump module. Extruded aluminum with runningboards.	1	
3130-0532	Pump panel opening is 39" wide. Pumper / tanker only.	1	
3130-0539	Pump module height is 75". Pumper / tanker only.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0143	Officer side pump panel to be vertical hinged on forward extrusion. Panel to be (3) pieces with upper (2) panels secured in the closed position with push button latches. Upper panel to be held open with gas shock.	1	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	
PUMP MODULE OPTIONS			

Salescode	Extended Description	Qty	
PUMP MODULE OPTIONS			
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3136-0138	Pump module storage pan.	1	
3136-0139	Crosslay double 7.5" wide each to hold up to 200' of 2.0" DJ hose (each).	1	
WATER TANK			
4010-0099	Fill tower(s) to be located offset to officer side of water tank.	1	
4010-0182	1530 Gallon "T" Water Tank. UPF Poly III color fill towers. Note: Any foam cell(s) and/or storage options through the tank will reduce the overall water capacity.	1	
TANK PLUMBING			
4450-0010	2" tank fill Akron manual valve.	1	
4450-0119	3" tank to pump Akron manual valve w/4" tank connection.	1	
LADDER STORAGE / RACKS			
3365-0031	Hard Suction Storage Rack. Officer side in adjustable track above ladders (if applicable). Includes spring hold downs and scuff plates.	2	
3365-0049	Brand of ladders capable of being carried on unit to be Alco-Lite.	1	
3365-0087-C57	The length of ladders capable of being stored shall be the following: 24' 2-section and 14' roof ladder.	1	
HANDRAILS / STEPS			
3330-0277	Innovative Controls dual lighted LED folding steps rear NFPA. Includes folding steps on driver side rear of the body. (staggered stepped as applicable with tailboard depth) for NFPA hosebed access and handrail mounted on driver side upper hosebed side (as applicable).	1	
MISC BODY OPTIONS			
3340-0004	Hosebed above the booster tank. Includes forward hosebed and tower(s) cover plate work (as applicable). Hosebed adjustable divider extrusion rearward of the furthest tower is to run full width of the hosebed (as is practical with other hosebed mounted equipment).	1	
3340-0015	Diamond plate single axle wheel well. Includes bolt-on composite wheel well liners and aluminum trim fenderettes.	1	
3340-0035	Divider Long. To run full length of hose bed (front to rear).	1	
3340-0075	Body mainframe and hosebed side assemblies for a 90" high body.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0110	The rear of each hose bed divider to have a hand hold cut-out(s).	1	

Salescode	Extended Description	Qty	
MISC BODY OPTIONS			
3340-0145	Rub rail for the body and pump area module(s).	1	
3340-0680	Body mainframe layout line to be 23". Includes body and all applicable modules.	1	
PUMPS			
4005-0030	Rating 1250 GPM	1	
4005-0195	Hale QFLO 750-1250 GPM pump, single stage. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PUMP OPTIONS			
4015-0029	Hale pressure relief valve.	1	
4015-0037	Engine throttle, vernier.	1	
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0098	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location on pump panel.	1	
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0014-581	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 1.	1	
4415-0014-582	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 2.	1	
4415-0016-583	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 1.	1	
4415-0022-350	2.5" Left Rear Discharge Akron Manual Valve. Location: left rear discharge.	1	
4415-0041	3" Deck Gun Discharge, Akron manual valve. (outlet shall terminate with MNPT threads unless extend gun is install)	1	
4417-0106-L65	Deck gun piping to be positioned centered in deck gun channel.	1	

Salescode	Extended Description	Qty	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	7	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
4417-0246	Dealer installed monitor, make and model as specified.	1	
GAUGES			
4435-0069	Class 1 ENFO IV system on pump operator's panel.	1	
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	7	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			
5010-0014-E12	Vehicle data recorder for commercial cab - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: outboard on driver's side overhead console.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-339	VFD Text display for V-MUX electrical system. Location: center of dash.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0267	Light bar Whelen Justice model JE2NFPA 56" LED with clear lenses and MKEZ7 mounts. N/A on Vista roofs with front facing windows. Includes (4) red corner facing LIN6 LED lights, (6) forward facing CON3 Linear LED lights; (4) red, (2) white. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0149-534	Whelen M6 Super LED lower level warning light package. Includes (10) red M6R LED light heads w/chrome flanges. Locate side facing lights: at forward most position, centered in rear wheel well, and on side of beavertail.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	

Salescode	Extended Description	Qty	
WARNING LIGHTS			
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-B13	The primary electronic siren control is to be located center console.	1	
SPEAKERS			
5510-0029-210	Speaker, Federal Signal Dynamax ES100 with "E-ONE" grille through bumper. Location: center front bumper.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0022	Marker light LED body package. Commercial pumper bodies only.	1	
5150-0102	Whelen M6 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical 3 light housing and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0011	Compartment light package LED for small bodies.	1	
5380-0030	Ground light package LED - small.	1	
LIGHTS - DECK AND SCENE			
5390-0058-395	Deck Lights - Truck-Lite LED model 81380 (PR). Location: rear body/beavertail area on the trailing edge up high.	1	
5390-0216	Hose bed light Optronics LED model TLL44 Locate at front of hose bed. Switched with work light switch in cab.	1	
5390-0217	Crosslay light Optronics LED model TLL44. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0011	LED pump compartment light (EA).	1	
5400-0031	Pair of Cab Dome Large Lights mounted driver and officer side front. N/A on E-One Chassis. Required on Comm Chassis.	1	
5400-0259	TecNiq model E10 pump panel LED light package with (3) lights per side pump panel. Pump panels over 45" may require additional lights. Side mount only.	1	
CONTROLS / SWITCHES			

Salescode	Extended Description	Qty	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
ELBOWS			
7400-0012	Chrome discharge elbow 2.5" FNST x 2.5" Male 3.187 x 6 thread per inch with a 2.5" Female 3.187 x 6 thread per inch chrome rocker lug cap with chain, 45 Degree.	3	
HOSE / NOZZLES			
7700-0004	Hard suction hose 6" X 10'. Smooth bore, black rubber hard suction hose for heavy duty service. Built with a spiral wire helix, and nylon fabric reinforcement piles. Tube and cover are taut, black rubber that is age and abrasion resistant.	2	
GROUND LADDERS			
7800-0007	Alco-Lite PRL-14' roof ladder.	1	
7800-0016	Alco-Lite PEL-24' 2-section extension ladder.	1	
7800-0032	Alco-Lite FL-10, 10' folding ladder w/safety shoes.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0089	All applicable pump/pre-connect application modules are to have a sanded finish (not painted job color). Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.	1	
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	
8100-0182-000-17	Paint Body - Small - For Pumpers, Rear Mounts, S/A Tankers/Wetsides and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0442-000-17	International cab paint (by chassis OEM). Paint to match FLNA3225E-1 Red.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	

Salescode	Extended Description	Qty	
STRIPING			
8300-0331	Single NFPA Scotchlite Stripe - upto 6" wide with hockey style, Z or S style or other customer specific design style. Stripe to be installed on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
GRAPHICS			
8400-0067	E-ONE logo with grey backing on M6 series vertical tail light housing (PR).	1	
WARRANTY / STANDARD			
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
9100-0039	1 year full warranty.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	
Dealer Supplied Equipment			

ITEM #3
Tanker
Kenworth

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Kenworth Chassis
Item #3

Quotation Number: 90495 Rev: 4

Unit Description: PMPR-COMM

Quote Description: Pumper, Commercial Chassis Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3090-0007	Hosebed hoseload allowance on the apparatus shall be 1200 lbs.	1	
3340-1137-12B	Equipment allowance on the apparatus shall be 2000 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
CHASSIS PREP			
1020-0035	Commercial Chasis Prep E-1 supplied Kenworth	1	
TIRE OPTIONS			
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
AIR SYSTEM OPTIONS			
1110-0010-277	Air inlet. To charge brake system. Commercial chassis only. Location: driver's door step area.	1	
ENGINES & TRANSMISSIONS			
1200-0137	Electronic speed limiting set to 60 MPH.	1	
1200-0336	PACCAR PX-9 engine 380 HP @ 2000 RPM, 1150 lb-ft Torque @ 1400 RPM, 2200 RPM Governed Speed	1	
CHASSIS OPTIONS			
1680-0011	Tow eyes rear below body, painted.	1	
1680-0078	Tow hooks front OEM. Not available with extended E-ONE installed front bumper.	1	

Salescode	Extended Description	Qty	
CHASSIS OPTIONS			
	Tow hooks are OEM supplied with chassis.		
1680-0252	OEM chassis step package for Kenworth Commercial Chassis. Includes mounting plate for the battery charger receptacle and air inlet.	1	
CAB MODEL			
1520-0152	Kenworth commercial cab and chassis two (2) door T370 4X2. PX-9 engines up to 380 HP.	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
CAB DOOR OPTIONS			
1550-0227	Reflective striping shall be installed on commercial cab doors, visible when the door is open, meeting NFPA requirement of 96 sq. in. coverage for each door.	1	
MISC EXTERIOR CAB OPTIONS			
1675-0007	Diesel fuel only label.	1	
SEATS			
1685-0012	Seating capacity tag of two occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0450	Center control console painted black Zolatone. Locate in cab between driver and officer. Includes area for NFPA siren, electrical, and in-cab controls (as applicable) switching.	1	
CAB ELECTRICAL OPTIONS			
1750-0059-277-04	Receptacle inlet 20 amp with a Yellow cover. Location: driver's door step area.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
BODY COMPT LEFT SIDE			
3100-0128	Driver side body with full height 60" wide forward and 42" wide rearward compartmentation. Includes (1) 56" wide compartment over the wheel well.	1	
BODY COMPT RIGHT SIDE			
3120-0123	Officer half side body with 60" wide forward and 42" wide rearward compartmentation. Includes adjustable ladder tracks.	1	
BODY COMPT REAR			
3110-0005	Full Height Rear Compartment. Includes smooth plate panels.	1	

Salescode	Extended Description	Qty	
BODY COMPT REAR			
3110-0034	Upper rear compartment depth to be shallow.	1	
3340-0080	Bolt-on diamond plate 18" tailboard (full width of body). Includes (2) squared off beavertails (no stanchions) with removable outer panels and handrails- (2) vertical on trailing edge of body and horizontal mounted handrail(s) below hosebed.	1	
DOORS			
3300-0017-004	Door roll up short (up to 45") with satin finish ROM. Location(s): L2.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-005	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L3.	1	
3300-0019-027	Door roll up tall (greater than 45") with satin finish ROM. Location(s): B1.	1	
3300-0289-015	Door double vertical hinged w/rotary latches - painted . Location(s): R1 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-016	Door double vertical hinged w/rotary latches - painted . Location(s): R2 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP MODULE			
3130-0167	Pump module to be 76" wide (side to side). Includes upper, lower, crosswalk, speedlay and tranverse module(s) if applicable.	1	
3130-0523	Side mount pump module. Extruded aluminum with runningboards.	1	
3130-0532	Pump panel opening is 39" wide. Pumper / tanker only.	1	
3130-0539	Pump module height is 75". Pumper / tanker only.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0143	Officer side pump panel to be vertical hinged on forward extrusion. Panel to be (3) pieces with upper (2) panels secured in the closed position with push button latches. Upper panel to be held open with gas shock.	1	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	

Salescode	Extended Description	Qty	
PUMP MODULE OPTIONS			
3136-0058	E-ONE logo mounted one each side on pump module/preconnect panels. Logos to be sized as applicable to available space on panels.	1	
3136-0138	Pump module storage pan.	1	
3136-0139	Crosslay double 7.5" wide each to hold up to 200' of 2.0" DJ hose (each).	1	
WATER TANK			
4010-0099	Fill tower(s) to be located offset to officer side of water tank.	1	
4010-0182	1530 Gallon "T" Water Tank. UPF Poly III color fill towers. Note: Any foam cell(s) and/or storage options through the tank will reduce the overall water capacity.	1	
TANK PLUMBING			
4450-0010	2" tank fill Akron manual valve.	1	
4450-0119	3" tank to pump Akron manual valve w/4" tank connection.	1	
LADDER STORAGE / RACKS			
3365-0031	Hard Suction Storage Rack. Officer side in adjustable track above ladders (if applicable). Includes spring hold downs and scuff plates.	2	
3365-0049	Brand of ladders capable of being carried on unit to be Alco-Lite.	1	
3365-0087-C57	The length of ladders capable of being stored shall be the following: 24' 2-section and 14' roof ladder.	1	
HANDRAILS / STEPS			
3330-0277	Innovative Controls dual lighted LED folding steps rear NFPA. Includes folding steps on driver side rear of the body. (staggered stepped as applicable with tailboard depth) for NFPA hosebed access and handrail mounted on driver side upper hosebed side (as applicable).	1	
MISC BODY OPTIONS			
3340-0004	Hosebed above the booster tank. Includes forward hosebed and tower(s) cover plate work (as applicable). Hosebed adjustable divider extrusion rearward of the furthest tower is to run full width of the hosebed (as is practical with other hosebed mounted equipment).	1	
3340-0015	Diamond plate single axle wheel well. Includes bolt-on composite wheel well liners and aluminum trim fenderettes.	1	
3340-0035	Divider Long. To run full length of hose bed (front to rear).	1	
3340-0075	Body mainframe and hosebed side assemblies for a 90" high body.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0110	The rear of each hose bed divider to have a hand hold cut-out(s).	1	

Salescode	Extended Description	Qty	
MISC BODY OPTIONS			
3340-0145	Rub rail for the body and pump area module(s).	1	
3340-0681	Body mainframe layout line to be 24". Includes body and all applicable modules.	1	
3340-1560	Body or pump module notch to accommodate the exhaust canister for high horsepower engines (380 HP or more) on commercial chassis. Right side lower front compartments and/or pump module may be modified.	1	
PUMPS			
4005-0030	Rating 1250 GPM	1	
4005-0195	Hale QFLO 750-1250 GPM pump, single stage. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PUMP OPTIONS			
4015-0029	Hale pressure relief valve.	1	
4015-0037	Engine throttle, vernier.	1	
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0098	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location on pump panel.	1	
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0014-581	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 1.	1	
4415-0014-582	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 2.	1	
4415-0016-583	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 1.	1	
4415-0022-350	2.5" Left Rear Discharge Akron Manual Valve. Location: left rear discharge.	1	

Salescode	Extended Description	Qty	
DISCHARGES AND PRECONNECTS			
4415-0041	3" Deck Gun Discharge, Akron manual valve. (outlet shall terminate with MNPT threads unless extend gun is install)	1	
4417-0106-L65	Deck gun piping to be positioned centered in deck gun channel.	1	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	7	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
4417-0246	Dealer installed monitor, make and model as specified.	1	
GAUGES			
4435-0069	Class 1 ENFO IV system on pump operator's panel.	1	
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	7	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			
5010-0014-B13	Vehicle data recorder for commercial cab - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: center console.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-B13	VFD Text display for V-MUX electrical system. Location: center console.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0267	Light bar Whelen Justice model JE2NFPA 56" LED with clear lenses and MKEZ7 mounts. N/A on Vista roofs with front facing windows. Includes (4) red corner facing LIN6 LED lights, (6) forward facing CON3 Linear LED lights; (4) red, (2) white. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0149-534	Whelen M6 Super LED lower level warning light package. Includes (10) red M6R LED light heads w/chrome flanges. Locate side facing lights: at forward most position, centered in rear wheel well, and on side of beavertail.	1	

Salescode	Extended Description	Qty	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-B13	The primary electronic siren control is to be located center console.	1	
SPEAKERS			
5510-0029-209	Speaker, Federal Signal Dynamax ES100 with "E-ONE" grille through bumper. Location: driver side front bumper.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0022	Marker light LED body package. Commercial pumper bodies only.	1	
5150-0102	Whelen M6 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical 3 light housing and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0011	Compartment light package LED for small bodies.	1	
5380-0030	Ground light package LED - small.	1	
LIGHTS - DECK AND SCENE			
5390-0058-395	Deck Lights - Truck-Lite LED model 81380 (PR). Location: rear body/beavertail area on the trailing edge up high.	1	
5390-0216	Hose bed light Optronics LED model TLL44 Locate at front of hose bed. Switched with work light switch in cab.	1	
5390-0217	Crosslay light Optronics LED model TLL44. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0011	LED pump compartment light (EA).	1	
5400-0031	Pair of Cab Dome Large Lights mounted driver and officer side front. N/A on E-One Chassis. Required on Comm Chassis.	1	
5400-0259	TecNiq model E10 pump panel LED light package with (3) lights per side pump panel. Pump panels over 45" may require additional lights. Side mount only.	1	

Salescode	Extended Description	Qty	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
ELBOWS			
7400-0012	Chrome discharge elbow 2.5" FNST x 2.5" Male 3.187 x 6 thread per inch with a 2.5" Female 3.187 x 6 thread per inch chrome rocker lug cap with chain, 45 Degree.	3	
HOSE / NOZZLES			
7700-0004	Hard suction hose 6" X 10'. Smooth bore, black rubber hard suction hose for heavy duty service. Built with a spiral wire helix, and nylon fabric reinforcement piles. Tube and cover are taut, black rubber that is age and abrasion resistant.	2	
GROUND LADDERS			
7800-0007	Alco-Lite PRL-14' roof ladder.	1	
7800-0016	Alco-Lite PEL-24' 2-section extension ladder.	1	
7800-0032	Alco-Lite FL-10, 10' folding ladder w/safety shoes.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0089	All applicable pump/pre-connect application modules are to have a sanded finish (not painted job color). Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.	1	
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	
8100-0182-000-17	Paint Body - Small - For Pumpers, Rear Mounts, S/A Tankers/Wetsides and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0440-000-7W	Kenworth cab paint (by chassis OEM). Paint to match As Specified.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	

Salescode	Extended Description	Qty	
STRIPING			
8300-0331	Single NFPA Scotchlite Stripe - upto 6" wide with hockey style, Z or S style or other customer specific design style. Stripe to be installed on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
GRAPHICS			
8400-0067	E-ONE logo with grey backing on M6 series vertical tail light housing (PR).	1	
WARRANTY / STANDARD & EXTENDED			
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
9100-0039	1 year full warranty.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	
Dealer Supplied Equipment			

ITEM #3
Tanker
Peterbilt

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Peterbilt Chassis
Item #3

Quotation Number: 72733 Rev: 16

Unit Description: PMPR-COMM

Quote Description: Pumper, Commercial Chassis Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3090-0007	Hosebed hoseload allowance on the apparatus shall be 1200 lbs.	1	
3340-1137-12B	Equipment allowance on the apparatus shall be 2000 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
CHASSIS PREP			
1020-0011	Commercial Chassis Prep for E-1supplied International chassis	1	
TIRE OPTIONS			
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
AIR SYSTEM OPTIONS			
1110-0010-277	Air inlet. To charge brake system. Commercial chassis only. Location: driver's door step area.	1	
ENGINES & TRANSMISSIONS			
1200-0137	Electronic speed limiting set to 60 MPH.	1	
1200-0357	Cummins L9 engine, 300 HP @ 2000 RPM, 860 lb-ft Torque @ 1300 RPM, 2200 RPM Governed Speed	1	
CHASSIS OPTIONS			
1680-0011	Tow eyes rear below body, painted.	1	
1680-0078	Tow hooks front OEM. Not available with extended E-ONE installed front bumper.	1	

Salescode	Extended Description	Qty	
CHASSIS OPTIONS			
	Tow hooks are OEM supplied with chassis.		
1680-0106	OEM chassis step package for International 4000 and 7000 series. Includes mounting plate for the battery charger receptacle and air inlet.	1	
CAB MODEL			
1500-0012	CAB 2DR INTL 7400 4x2.	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
CAB DOOR OPTIONS			
1550-0227	Reflective striping shall be installed on commercial cab doors, visible when the door is open, meeting NFPA requirement of 96 sq. in. coverage for each door.	1	
MISC EXTERIOR CAB OPTIONS			
1675-0007	Diesel fuel only label.	1	
SEATS			
1685-0012	Seating capacity tag of two occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0450	Center control console painted black Zolatone. Locate in cab between driver and officer. Includes area for NFPA siren, electrical, and in-cab controls (as applicable) switching.	1	
CAB ELECTRICAL OPTIONS			
1750-0059-277-04	Receptacle inlet 20 amp with a Yellow cover. Location: driver's door step area.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
BODY COMPT LEFT SIDE			
3100-0128	Driver side body with full height 60" wide forward and 42" wide rearward compartmentation. Includes (1) 56" wide compartment over the wheel well.	1	
BODY COMPT RIGHT SIDE			
3120-0123	Officer half side body with 60" wide forward and 42" wide rearward compartmentation. Includes adjustable ladder tracks.	1	
BODY COMPT REAR			
3110-0005	Full Height Rear Compartment. Includes smooth plate panels.	1	
3110-0034	Upper rear compartment depth to be shallow.	1	

Salescode	Extended Description	Qty	
BODY COMPT REAR			
3340-0080	Bolt-on diamond plate 18" tailboard (full width of body). Includes (2) squared off beavertails (no stanchions) with removable outer panels and handrails- (2) vertical on trailing edge of body and horizontal mounted handrail(s) below hosebed.	1	
DOORS			
3300-0017-004	Door roll up short (up to 45") with satin finish ROM. Location(s): L2.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-005	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L3.	1	
3300-0019-027	Door roll up tall (greater than 45") with satin finish ROM. Location(s): B1.	1	
3300-0289-015	Door double vertical hinged w/rotary latches - painted . Location(s): R1 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-016	Door double vertical hinged w/rotary latches - painted . Location(s): R2 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP MODULE			
3130-0167	Pump module to be 76" wide (side to side). Includes upper, lower, crosswalk, speedlay and tranverse module(s) if applicable.	1	
3130-0523	Side mount pump module. Extruded aluminum with runningboards.	1	
3130-0532	Pump panel opening is 39" wide. Pumper / tanker only.	1	
3130-0539	Pump module height is 75". Pumper / tanker only.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0143	Officer side pump panel to be vertical hinged on forward extrusion. Panel to be (3) pieces with upper (2) panels secured in the closed position with push button latches. Upper panel to be held open with gas shock.	1	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	
PUMP MODULE OPTIONS			

Salescode	Extended Description	Qty	
PUMP MODULE OPTIONS			
3136-0058	E-ONE logo mounted one each side on pump module/preconnect panels. Logos to be sized as applicable to available space on panels.	1	
3136-0138	Pump module storage pan.	1	
3136-0139	Crosslay double 7.5" wide each to hold up to 200' of 2.0" DJ hose (each).	1	
WATER TANK			
4010-0099	Fill tower(s) to be located offset to officer side of water tank.	1	
4010-0182	1530 Gallon "T" Water Tank. UPF Poly III color fill towers. Note: Any foam cell(s) and/or storage options through the tank will reduce the overall water capacity.	1	
TANK PLUMBING			
4450-0010	2" tank fill Akron manual valve.	1	
4450-0119	3" tank to pump Akron manual valve w/4" tank connection.	1	
LADDER STORAGE / RACKS			
3365-0031	Hard Suction Storage Rack. Officer side in adjustable track above ladders (if applicable). Includes spring hold downs and scuff plates.	2	
3365-0049	Brand of ladders capable of being carried on unit to be Alco-Lite.	1	
3365-0087-C57	The length of ladders capable of being stored shall be the following: 24' 2-section and 14' roof ladder.	1	
HANDRAILS / STEPS			
3330-0277	Innovative Controls dual lighted LED folding steps rear NFPA. Includes folding steps on driver side rear of the body. (staggered stepped as applicable with tailboard depth) for NFPA hosebed access and handrail mounted on driver side upper hosebed side (as applicable).	1	
MISC BODY OPTIONS			
3340-0004	Hosebed above the booster tank. Includes forward hosebed and tower(s) cover plate work (as applicable). Hosebed adjustable divider extrusion rearward of the furthest tower is to run full width of the hosebed (as is practical with other hosebed mounted equipment).	1	
3340-0015	Diamond plate single axle wheel well. Includes bolt-on composite wheel well liners and aluminum trim fenderettes.	1	
3340-0035	Divider Long. To run full length of hose bed (front to rear).	1	
3340-0075	Body mainframe and hosebed side assemblies for a 90" high body.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0110	The rear of each hose bed divider to have a hand hold cut-out(s).	1	

Salescode	Extended Description	Qty	
MISC BODY OPTIONS			
3340-0145	Rub rail for the body and pump area module(s).	1	
3340-0680	Body mainframe layout line to be 23". Includes body and all applicable modules.	1	
PUMPS			
4005-0030	Rating 1250 GPM	1	
4005-0195	Hale QFLO 750-1250 GPM pump, single stage. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PUMP OPTIONS			
4015-0029	Hale pressure relief valve.	1	
4015-0037	Engine throttle, vernier.	1	
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0098	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location on pump panel.	1	
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0014-581	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 1.	1	
4415-0014-582	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 2.	1	
4415-0016-583	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 1.	1	
4415-0022-350	2.5" Left Rear Discharge Akron Manual Valve. Location: left rear discharge.	1	
4415-0041	3" Deck Gun Discharge, Akron manual valve. (outlet shall terminate with MNPT threads unless extend gun is install)	1	
4417-0106-L65	Deck gun piping to be positioned centered in deck gun channel.	1	

Salescode	Extended Description	Qty	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	7	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
4417-0246	Dealer installed monitor, make and model as specified.	1	
GAUGES			
4435-0069	Class 1 ENFO IV system on pump operator's panel.	1	
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	7	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			
5010-0014-E12	Vehicle data recorder for commercial cab - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: outboard on driver's side overhead console.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-339	VFD Text display for V-MUX electrical system. Location: center of dash.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0267	Light bar Whelen Justice model JE2NFPA 56" LED with clear lenses and MKEZ7 mounts. N/A on Vista roofs with front facing windows. Includes (4) red corner facing LIN6 LED lights, (6) forward facing CON3 Linear LED lights; (4) red, (2) white. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0149-534	Whelen M6 Super LED lower level warning light package. Includes (10) red M6R LED light heads w/chrome flanges. Locate side facing lights: at forward most position, centered in rear wheel well, and on side of beavertail.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	

Salescode	Extended Description	Qty	
WARNING LIGHTS			
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-B13	The primary electronic siren control is to be located center console.	1	
SPEAKERS			
5510-0029-210	Speaker, Federal Signal Dynamax ES100 with "E-ONE" grille through bumper. Location: center front bumper.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0022	Marker light LED body package. Commercial pumper bodies only.	1	
5150-0102	Whelen M6 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical 3 light housing and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0011	Compartment light package LED for small bodies.	1	
5380-0030	Ground light package LED - small.	1	
LIGHTS - DECK AND SCENE			
5390-0058-395	Deck Lights - Truck-Lite LED model 81380 (PR). Location: rear body/beavertail area on the trailing edge up high.	1	
5390-0216	Hose bed light Optronics LED model TLL44 Locate at front of hose bed. Switched with work light switch in cab.	1	
5390-0217	Crosslay light Optronics LED model TLL44. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0011	LED pump compartment light (EA).	1	
5400-0031	Pair of Cab Dome Large Lights mounted driver and officer side front. N/A on E-One Chassis. Required on Comm Chassis.	1	
5400-0259	TecNiq model E10 pump panel LED light package with (3) lights per side pump panel. Pump panels over 45" may require additional lights. Side mount only.	1	
CONTROLS / SWITCHES			

Salescode	Extended Description	Qty	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
ELBOWS			
7400-0012	Chrome discharge elbow 2.5" FNST x 2.5" Male 3.187 x 6 thread per inch with a 2.5" Female 3.187 x 6 thread per inch chrome rocker lug cap with chain, 45 Degree.	3	
HOSE / NOZZLES			
7700-0004	Hard suction hose 6" X 10'. Smooth bore, black rubber hard suction hose for heavy duty service. Built with a spiral wire helix, and nylon fabric reinforcement piles. Tube and cover are taut, black rubber that is age and abrasion resistant.	2	
GROUND LADDERS			
7800-0007	Alco-Lite PRL-14' roof ladder.	1	
7800-0016	Alco-Lite PEL-24' 2-section extension ladder.	1	
7800-0032	Alco-Lite FL-10, 10' folding ladder w/safety shoes.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0089	All applicable pump/pre-connect application modules are to have a sanded finish (not painted job color). Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.	1	
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	
8100-0182-000-17	Paint Body - Small - For Pumpers, Rear Mounts, S/A Tankers/Wetsides and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0442-000-17	International cab paint (by chassis OEM). Paint to match FLNA3225E-1 Red.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	

Salescode	Extended Description	Qty	
STRIPING			
8300-0331	Single NFPA Scotchlite Stripe - upto 6" wide with hockey style, Z or S style or other customer specific design style. Stripe to be installed on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
GRAPHICS			
8400-0067	E-ONE logo with grey backing on M6 series vertical tail light housing (PR).	1	
WARRANTY / STANDARD			
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
9100-0039	1 year full warranty.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	

ITEM #4
Tanker
Freightliner

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Freightliner Chassis
Item #4

Quotation Number: 90514 Rev: 6

Unit Description: TTSA-COMM

Quote Description: Tanker, Tandem Axle, Side Mount, Commercial Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3090-0007	Hosebed hoseload allowance on the apparatus shall be 1200 lbs.	1	
3340-1137-11Z	Equipment allowance on the apparatus shall be 1000 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
CHASSIS PREP			
1020-0010	Comm Chassis Prep E-1 supplied Freightliner.	1	
TIRE OPTIONS			
1060-0119	RWC AirGuard LED tire pressure monitoring valve stem caps (10) for tandem rear axle applications.	1	
AIR SYSTEM OPTIONS			
1110-0010-277	Air inlet. To charge brake system. Commercial chassis only. Location: driver's door step area.	1	
ENGINES & TRANSMISSIONS			
1200-0137	Electronic speed limiting set to 60 MPH.	1	
1200-0359	Cummins L9 350 HP engine for commercial chassis.	1	
CHASSIS OPTIONS			
1680-0011	Tow eyes rear below body, painted.	1	
1680-0078	Tow hooks front OEM. Not available with extended E-ONE installed front bumper. Tow hooks are OEM supplied with chassis.	1	

Salescode	Extended Description	Qty	
CHASSIS OPTIONS			
1680-0104	OEM chassis step package for Freightliner M2 series. Includes mounting plate for the battery charger receptacle and air inlet.	1	
CAB MODEL			
1520-0066	Two door Freightliner M2 106 6x4. Cummins engines up to 350 HP.	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
CAB DOOR OPTIONS			
1550-0227	Reflective striping shall be installed on commercial cab doors, visible when the door is open, meeting NFPA requirement of 96 sq. in. coverage for each door.	1	
MISC EXTERIOR CAB OPTIONS			
1675-0007	Diesel fuel only label.	1	
SEATS			
1685-0012	Seating capacity tag of two occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0450	Center control console painted black Zolatone. Locate in cab between driver and officer. Includes area for NFPA siren, electrical, and in-cab controls (as applicable) switching.	1	
CAB ELECTRICAL OPTIONS			
1750-0059-277-04	Receptacle inlet 20 amp with a Yellow cover. Location: driver's door step area.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
BODY COMPT LEFT SIDE			
3100-0222	Driver half side tandem body with 42" wide forward and 42" wide rearward compartmentation.	1	
BODY COMPT RIGHT SIDE			
3120-0378	Officer half side tandem body with 42" wide forward and 42" wide rearward compartmentation.	1	
BODY COMPT REAR			
3110-0130	Rear end tanker. Includes smooth plate upper and lower panels and a smooth plate center strip for a Jet or Newton Dump application.	1	
3340-0080	Bolt-on diamond plate 18" tailboard (full width of body). Includes (2) squared off beavertails (no stanchions) with removable outer panels and handrails- (2)	1	

Salescode	Extended Description	Qty	
BODY COMPT REAR			
	vertical on trailing edge of body and horizontal mounted handrail(s) below hosebed.		
DOORS			
3300-0289-003	Door double vertical hinged w/rotary latches - painted . Location(s): L1 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-004	Door double vertical hinged w/rotary latches - painted . Location(s): L2 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-015	Door double vertical hinged w/rotary latches - painted . Location(s): R1 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-016	Door double vertical hinged w/rotary latches - painted . Location(s): R2 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP MODULE			
3130-0167	Pump module to be 76" wide (side to side). Includes upper, lower, crosswalk, speedlay and tranverse module(s) if applicable.	1	
3130-0523	Side mount pump module. Extruded aluminum with runningboards.	1	
3130-0532	Pump panel opening is 39" wide. Pumper / tanker only.	1	
3130-0539	Pump module height is 75". Pumper / tanker only.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0143	Officer side pump panel to be vertical hinged on forward extrusion. Panel to be (3) pieces with upper (2) panels secured in the closed position with push button latches. Upper panel to be held open with gas shock.	1	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	
PUMP MODULE OPTIONS			
3136-0058	E-ONE logo mounted one each side on pump module/preconnect panels. Logos	1	

Salescode	Extended Description	Qty	
PUMP MODULE OPTIONS			
	to be sized as applicable to available space on panels.		
3136-0138	Pump module storage pan.	1	
3136-0139	Crosslay double 7.5" wide each to hold up to 200' of 2.0" DJ hose (each).	1	
WATER TANK			
4010-0099	Fill tower(s) to be located offset to officer side of water tank.	1	
4010-0193	2530 Gallon Tandem "T" Water Tank. UPF Poly III color fill towers. Note: Any foam cell(s) and/or storage options thru the tank will reduce the overall water capacity.	1	
WATER TANK OPTIONS			
4020-0004	Newton dump mounting plate.	1	
TANK PLUMBING			
4020-0018	Rear tank dump. Includes painted steel assembly with manual actuated valve on top of dump assembly. For use with slip on extension and chute.	1	
4450-0010	2" tank fill Akron manual valve.	1	
4450-0121	3" Tank to pump Akron air actuated valve w/4" tank connection.	1	
4450-0149-198	2.5" rear direct tank fill. Includes swing handle control, swivel with droop and plug with retainer. Located to driver's side of the rear body.	1	
4450-0149-199	2.5" rear direct tank fill. Includes swing handle control, swivel with droop and plug with retainer. Located to officer's side of the rear body.	1	
LADDER STORAGE / RACKS			
3365-0025-515	Attic ladder mounting brackets (PR). Locate officer side compartment top.	1	
3365-0189-198-L5	Manual drop-down portable tank storage rack. Includes forward and rearward securing clamps with manual releases. Locate rack to driver's side of body. Rack sized for steel framed 2500 portable tank.	1	
3365-0831	Hard Suction Storage Racks. Officer side hose bed side with adjustable tracks. Includes spring hold downs and scuff plates behind spring mounts (as applicable).	2	
HANDRAILS / STEPS			
3330-0277	Innovative Controls dual lighted LED folding steps rear NFPA. Includes folding steps on driver side rear of the body. (staggered stepped as applicable with tailboard depth) for NFPA hosebed access and handrail mounted on driver side upper hosebed side (as applicable).	1	
MISC BODY OPTIONS			

Salescode	Extended Description	Qty	
MISC BODY OPTIONS			
3340-0004	Hosebed above the booster tank. Includes forward hosebed and tower(s) cover plate work (as applicable). Hosebed adjustable divider extrusion rearward of the furthest tower is to run full width of the hosebed (as is practical with other hosebed mounted equipment).	1	
3340-0035	Divider Long. To run full length of hose bed (front to rear).	1	
3340-0075	Body mainframe and hosebed side assemblies for a 90" high body.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0107	Diamond plate tandem axle wheel well. Includes bolt-on composite wheel well liners and fenderettes.	1	
3340-0110	The rear of each hose bed divider to have a hand hold cut-out(s).	1	
3340-0145	Rub rail for the body and pump area module(s).	1	
3340-0463	Commercial chassis tandem axle wheelbase modfication. Adds 1" to wheelbase due rear axle offset between commercial and custom chassis.	1	
3340-0588	Slip-on painted steel dump elbow and 36" straight extension chute. Includes body mounted removable support arm and mounting brackets at rear of body for elbow and straight chute.	1	
3340-0681	Body mainframe layout line to be 24". Includes body and all applicable modules.	1	
PUMPS			
4005-0031	Rating 1500 GPM.	1	
4005-0196	Hale QMAX 1000-2250 GPM single stage pump. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PUMP OPTIONS			
4015-0038	Pump seal packing for Hale pump.	1	
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0098	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location on pump panel.	1	
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			

Salescode	Extended Description	Qty	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0014-581	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 1.	1	
4415-0014-582	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 2.	1	
4415-0016-583	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 1.	1	
4415-0016-584	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 2.	1	
4415-0022-350	2.5" Left Rear Discharge Akron Manual Valve. Location: left rear discharge.	1	
4415-0041	3" Deck Gun Discharge, Akron manual valve. (outlet shall terminate with MNPT threads unless extend gun is install)	1	
4417-0106-L65	Deck gun piping to be positioned centered in deck gun channel.	1	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	8	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
4417-0246	Dealer installed monitor, make and model as specified.	1	
PRESSURE GOVERNORS			
4465-0011	Class 1 TPG pressure governor. Includes, water, oil, volt and tachometer.	1	
GAUGES			
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0085-230	Innovative Controls 10 LED SL series tank level water gauge, additional. Location: officer rear.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	8	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			

Salescode	Extended Description	Qty	
ELECTRICAL SYSTEMS			
5010-0014-G97	Vehicle data recorder for commercial cab - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: cab dash above transmission shift panel.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-339	VFD Text display for V-MUX electrical system. Location: center of dash.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0267	Light bar Whelen Justice model JE2NFPA 56" LED with clear lenses and MKEZ7 mounts. N/A on Vista roofs with front facing windows. Includes (4) red corner facing LIN6 LED lights, (6) forward facing CON3 Linear LED lights; (4) red, (2) white. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0149-536	Whelen M6 Super LED lower level warning light package. Includes (10) red M6R LED light heads w/chrome flanges. Locate side facing lights: at forward most position, in rear wheel well offset to front, and on side of beavertail.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-B13	The primary electronic siren control is to be located center console.	1	
SPEAKERS			
5510-0029-209	Speaker, Federal Signal Dynamax ES100 with "E-ONE" grille through bumper. Location: driver side front bumper.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0022	Marker light LED body package. Commercial pumper bodies only.	1	
5150-0102	Whelen M6 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical 3 light housing and weatherproof connectors.	1	

Salescode	Extended Description	Qty	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0030	Ground light package LED - small.	1	
5380-0276	Compartment light package TecNiq T440 4" LED for small bodies.	1	
LIGHTS - DECK AND SCENE			
5390-0022	Crosslay light Truck-Lite. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
5390-0215-395	Deck Lights - Optronics Model TLL44 (PR). Location: rear body/beavertail area on the trailing edge up high.	1	
5390-0216	Hose bed light Optronics LED model TLL44 Locate at front of hose bed. Switched with work light switch in cab.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0011	LED pump compartment light (EA).	1	
5400-0031	Pair of Cab Dome Large Lights mounted driver and officer side front. N/A on E-One Chassis. Required on Comm Chassis.	1	
5400-0150	Pump panel LED light package for side mount. Includes (6) Tecniq EON lights with S/S housings located (3) ea side. Includes S/S light shields (as applicable with intermedialte steps).	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
CAMERAS / INTERCOM			
5350-0103-B13	The back-up camera monitor is to be located on the center console.	1	
5350-0118	Camera backup Federal Signal LCD model CAMSET70-NTSC-4 with monitor.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
HOSE / NOZZLES			
7700-0053	PVC suction hose 6" X 10'. LIGHTWEIGHT SUCTION ONLY HOSE	2	
GROUND LADDERS			
7800-0007	Alco-Lite PRL-14' roof ladder.	1	
7800-0017	Alco-Lite PEL3-24 extension ladder.	1	
7800-0032	Alco-Lite FL-10, 10' folding ladder w/safety shoes.	1	

Salescode	Extended Description	Qty	
MISC LOOSE EQUIPMENT			
7600-0016	Wheel chocks 44" NFPA compliant, pair (PR) of Zico SAC-44. Up to 44" diameter tires. Includes mounting brackets.	1	
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0089	All applicable pump/pre-connect application modules are to have a sanded finish (not painted job color). Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.	1	
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	
8100-0183-000-17	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0443-000-17	Freightliner cab paint (by chassis OEM). Paint to match FLNA3225E-1 Red.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
GRAPHICS			
8400-0067	E-ONE logo with grey backing on M6 series vertical tail light housing (PR).	1	
WARRANTY / STANDARD			
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
9100-0039	1 year full warranty.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			

Salescode	Extended Description	Qty	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	
Dealer Supplied Equipment			

ITEM #4
Tanker
International

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
International Chassis
Item #4

Quotation Number: 72736 Rev: 21

Unit Description: TTSA-COMM

Quote Description: Tanker, Tandem Axle, Side Mount, Commercial Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3090-0007	Hosebed hoseload allowance on the apparatus shall be 1200 lbs.	1	
3340-1137-11Z	Equipment allowance on the apparatus shall be 1000 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
CHASSIS PREP			
1020-0011	Commercial Chassis Prep for E-1supplied International chassis	1	
TIRE OPTIONS			
1060-0119	RWC AirGuard LED tire pressure monitoring valve stem caps (10) for tandem rear axle applications.	1	
AIR SYSTEM OPTIONS			
1110-0010-277	Air inlet. To charge brake system. Commercial chassis only. Location: driver's door step area.	1	
ENGINES & TRANSMISSIONS			
1200-0137	Electronic speed limiting set to 60 MPH.	1	
1200-0359	Cummins L9 350 HP engine for commercial chassis.	1	
CHASSIS OPTIONS			
1680-0011	Tow eyes rear below body, painted.	1	
1680-0078	Tow hooks front OEM. Not available with extended E-ONE installed front bumper. Tow hooks are OEM supplied with chassis.	1	

Salescode	Extended Description	Qty	
CHASSIS OPTIONS			
1680-0106	OEM chassis step package for International 4000 and 7000 series. Includes mounting plate for the battery charger receptacle and air inlet.	1	
CAB MODEL			
1520-0056	CAB 2DR INTL 7400 6x4. Engines up to ISL 350 HP.	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
CAB DOOR OPTIONS			
1550-0227	Reflective striping shall be installed on commercial cab doors, visible when the door is open, meeting NFPA requirement of 96 sq. in. coverage for each door.	1	
MISC EXTERIOR CAB OPTIONS			
1675-0007	Diesel fuel only label.	1	
SEATS			
1685-0012	Seating capacity tag of two occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0450	Center control console painted black Zolatone. Locate in cab between driver and officer. Includes area for NFPA siren, electrical, and in-cab controls (as applicable) switching.	1	
CAB ELECTRICAL OPTIONS			
1750-0059-277-04	Receptacle inlet 20 amp with a Yellow cover. Location: driver's door step area.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
BODY COMPT LEFT SIDE			
3100-0222	Driver half side tandem body with 42" wide forward and 42" wide rearward compartmentation.	1	
BODY COMPT RIGHT SIDE			
3120-0378	Officer half side tandem body with 42" wide forward and 42" wide rearward compartmentation.	1	
BODY COMPT REAR			
3110-0130	Rear end tanker. Includes smooth plate upper and lower panels and a smooth plate center strip for a Jet or Newton Dump application.	1	
3340-0080	Bolt-on diamond plate 18" tailboard (full width of body). Includes (2) squared off beavertails (no stanchions) with removable outer panels and handrails- (2)	1	

Salescode	Extended Description	Qty	
BODY COMPT REAR			
	vertical on trailing edge of body and horizontal mounted handrail(s) below hosebed.		
DOORS			
3300-0289-003	Door double vertical hinged w/rotary latches - painted . Location(s): L1 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-004	Door double vertical hinged w/rotary latches - painted . Location(s): L2 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-015	Door double vertical hinged w/rotary latches - painted . Location(s): R1 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-016	Door double vertical hinged w/rotary latches - painted . Location(s): R2 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP MODULE			
3130-0167	Pump module to be 76" wide (side to side). Includes upper, lower, crosswalk, speedlay and tranverse module(s) if applicable.	1	
3130-0523	Side mount pump module. Extruded aluminum with runningboards.	1	
3130-0532	Pump panel opening is 39" wide. Pumper / tanker only.	1	
3130-0539	Pump module height is 75". Pumper / tanker only.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0143	Officer side pump panel to be vertical hinged on forward extrusion. Panel to be (3) pieces with upper (2) panels secured in the closed position with push button latches. Upper panel to be held open with gas shock.	1	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	
PUMP MODULE OPTIONS			
3136-0058	E-ONE logo mounted one each side on pump module/preconnect panels. Logos	1	

Salescode	Extended Description	Qty	
PUMP MODULE OPTIONS			
	to be sized as applicable to available space on panels.		
3136-0138	Pump module storage pan.	1	
3136-0139	Crosslay double 7.5" wide each to hold up to 200' of 2.0" DJ hose (each).	1	
WATER TANK			
4010-0099	Fill tower(s) to be located offset to officer side of water tank.	1	
4010-0193	2530 Gallon Tandem "T" Water Tank. UPF Poly III color fill towers. Note: Any foam cell(s) and/or storage options thru the tank will reduce the overall water capacity.	1	
WATER TANK OPTIONS			
4020-0004	Newton dump mounting plate.	1	
TANK PLUMBING			
4020-0018	Rear tank dump. Includes painted steel assembly with manual actuated valve on top of dump assembly. For use with slip on extension and chute.	1	
4450-0010	2" tank fill Akron manual valve.	1	
4450-0121	3" Tank to pump Akron air actuated valve w/4" tank connection.	1	
4450-0149-198	2.5" rear direct tank fill. Includes swing handle control, swivel with droop and plug with retainer. Located to driver's side of the rear body.	1	
4450-0149-199	2.5" rear direct tank fill. Includes swing handle control, swivel with droop and plug with retainer. Located to officer's side of the rear body.	1	
LADDER STORAGE / RACKS			
3365-0025-515	Attic ladder mounting brackets (PR). Locate officer side compartment top.	1	
3365-0189-198-L5	Manual drop-down portable tank storage rack. Includes forward and rearward securing clamps with manual releases. Locate rack to driver's side of body. Rack sized for steel framed 2500 portable tank.	1	
3365-0831	Hard Suction Storage Racks. Officer side hose bed side with adjustable tracks. Includes spring hold downs and scuff plates behind spring mounts (as applicable).	2	
HANDRAILS / STEPS			
3330-0277	Innovative Controls dual lighted LED folding steps rear NFPA. Includes folding steps on driver side rear of the body. (staggered stepped as applicable with tailboard depth) for NFPA hosebed access and handrail mounted on driver side upper hosebed side (as applicable).	1	
MISC BODY OPTIONS			

Salescode	Extended Description	Qty	
MISC BODY OPTIONS			
3340-0004	Hosebed above the booster tank. Includes forward hosebed and tower(s) cover plate work (as applicable). Hosebed adjustable divider extrusion rearward of the furthest tower is to run full width of the hosebed (as is practical with other hosebed mounted equipment).	1	
3340-0035	Divider Long. To run full length of hose bed (front to rear).	1	
3340-0075	Body mainframe and hosebed side assemblies for a 90" high body.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0107	Diamond plate tandem axle wheel well. Includes bolt-on composite wheel well liners and fenderettes.	1	
3340-0110	The rear of each hose bed divider to have a hand hold cut-out(s).	1	
3340-0145	Rub rail for the body and pump area module(s).	1	
3340-0463	Commercial chassis tandem axle wheelbase modfication. Adds 1" to wheelbase due rear axle offset between commercial and custom chassis.	1	
3340-0588	Slip-on painted steel dump elbow and 36" straight extension chute. Includes body mounted removable support arm and mounting brackets at rear of body for elbow and straight chute.	1	
3340-0680	Body mainframe layout line to be 23". Includes body and all applicable modules.	1	
PUMPS			
4005-0031	Rating 1500 GPM.	1	
4005-0196	Hale QMAX 1000-2250 GPM single stage pump. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PUMP OPTIONS			
4015-0038	Pump seal packing for Hale pump.	1	
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0098	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location on pump panel.	1	
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			

Salescode	Extended Description	Qty	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0014-581	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 1.	1	
4415-0014-582	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 2.	1	
4415-0016-583	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 1.	1	
4415-0016-584	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 2.	1	
4415-0022-350	2.5" Left Rear Discharge Akron Manual Valve. Location: left rear discharge.	1	
4415-0041	3" Deck Gun Discharge, Akron manual valve. (outlet shall terminate with MNPT threads unless extend gun is install)	1	
4417-0106-L65	Deck gun piping to be positioned centered in deck gun channel.	1	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	8	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
4417-0246	Dealer installed monitor, make and model as specified.	1	
PRESSURE GOVERNORS			
4465-0011	Class 1 TPG pressure governor. Includes, water, oil, volt and tachometer.	1	
GAUGES			
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0085-230	Innovative Controls 10 LED SL series tank level water gauge, additional. Location: officer rear.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	8	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			

Salescode	Extended Description	Qty	
ELECTRICAL SYSTEMS			
5010-0014-E12	Vehicle data recorder for commercial cab - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: outboard on driver's side overhead console.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-339	VFD Text display for V-MUX electrical system. Location: center of dash.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0267	Light bar Whelen Justice model JE2NFPA 56" LED with clear lenses and MKEZ7 mounts. N/A on Vista roofs with front facing windows. Includes (4) red corner facing LIN6 LED lights, (6) forward facing CON3 Linear LED lights; (4) red, (2) white. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0149-536	Whelen M6 Super LED lower level warning light package. Includes (10) red M6R LED light heads w/chrome flanges. Locate side facing lights: at forward most position, in rear wheel well offset to front, and on side of beavertail.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-B13	The primary electronic siren control is to be located center console.	1	
SPEAKERS			
5510-0029-210	Speaker, Federal Signal Dynamax ES100 with "E-ONE" grille through bumper. Location: center front bumper.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0022	Marker light LED body package. Commercial pumper bodies only.	1	
5150-0102	Whelen M6 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical 3 light housing and weatherproof connectors.	1	

Salescode	Extended Description	Qty	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0030	Ground light package LED - small.	1	
5380-0276	Compartment light package TecNiq T440 4" LED for small bodies.	1	
LIGHTS - DECK AND SCENE			
5390-0022	Crosslay light Truck-Lite. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
5390-0215-395	Deck Lights - Optronics Model TLL44 (PR). Location: rear body/beavertail area on the trailing edge up high.	1	
5390-0216	Hose bed light Optronics LED model TLL44 Locate at front of hose bed. Switched with work light switch in cab.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0011	LED pump compartment light (EA).	1	
5400-0031	Pair of Cab Dome Large Lights mounted driver and officer side front. N/A on E-One Chassis. Required on Comm Chassis.	1	
5400-0150	Pump panel LED light package for side mount. Includes (6) Tecniq EON lights with S/S housings located (3) ea side. Includes S/S light shields (as applicable with intermedialte steps).	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
CAMERAS / INTERCOM			
5350-0103-B13	The back-up camera monitor is to be located on the center console.	1	
5350-0118	Camera backup Federal Signal LCD model CAMSET70-NTSC-4 with monitor.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
HOSE / NOZZLES			
7700-0053	PVC suction hose 6" X 10'. LIGHTWEIGHT SUCTION ONLY HOSE	2	
GROUND LADDERS			
7800-0007	Alco-Lite PRL-14' roof ladder.	1	
7800-0017	Alco-Lite PEL3-24 extension ladder.	1	
7800-0032	Alco-Lite FL-10, 10' folding ladder w/safety shoes.	1	

Salescode	Extended Description	Qty	
MISC LOOSE EQUIPMENT			
7600-0016	Wheel chocks 44" NFPA compliant, pair (PR) of Zico SAC-44. Up to 44" diameter tires. Includes mounting brackets.	1	
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0089	All applicable pump/pre-connect application modules are to have a sanded finish (not painted job color). Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.	1	
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	
8100-0183-000-17	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0442-000-17	International cab paint (by chassis OEM). Paint to match FLNA3225E-1 Red.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
GRAPHICS			
8400-0067	E-ONE logo with grey backing on M6 series vertical tail light housing (PR).	1	
WARRANTY / STANDARD			
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
9100-0039	1 year full warranty.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			

Salescode	Extended Description	Qty	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	
Dealer Supplied Equipment			

ITEM #4
Tanker
Kenworth

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Kenworth Chassis
Item #4

Quotation Number: 90518 Rev: 4

Unit Description: TTSA-COMM

Quote Description: Tanker, Tandem Axle, Side Mount, Commercial Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3090-0007	Hosebed hoseload allowance on the apparatus shall be 1200 lbs.	1	
3340-1137-11Z	Equipment allowance on the apparatus shall be 1000 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
CHASSIS PREP			
1020-0035	Commercial Chasis Prep E-1 supplied Kenworth	1	
TIRE OPTIONS			
1060-0119	RWC AirGuard LED tire pressure monitoring valve stem caps (10) for tandem rear axle applications.	1	
AIR SYSTEM OPTIONS			
1110-0010-277	Air inlet. To charge brake system. Commercial chassis only. Location: driver's door step area.	1	
ENGINES & TRANSMISSIONS			
1200-0137	Electronic speed limiting set to 60 MPH.	1	
1200-0336	PACCAR PX-9 engine 380 HP @ 2000 RPM, 1150 lb-ft Torque @ 1400 RPM, 2200 RPM Governed Speed	1	
CHASSIS OPTIONS			
1680-0011	Tow eyes rear below body, painted.	1	
1680-0078	Tow hooks front OEM. Not available with extended E-ONE installed front bumper.	1	

Salescode	Extended Description	Qty	
CHASSIS OPTIONS			
	Tow hooks are OEM supplied with chassis.		
1680-0252	OEM chassis step package for Kenworth Commercial Chassis. Includes mounting plate for the battery charger receptacle and air inlet.	1	
CAB MODEL			
1520-0086	Kenworth commercial cab and chassis two (2) door T370 6X4. PX-9 engines up to 380 HP.	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
CAB DOOR OPTIONS			
1550-0227	Reflective striping shall be installed on commercial cab doors, visible when the door is open, meeting NFPA requirement of 96 sq. in. coverage for each door.	1	
MISC EXTERIOR CAB OPTIONS			
1675-0007	Diesel fuel only label.	1	
SEATS			
1685-0012	Seating capacity tag of two occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0450	Center control console painted black Zolatone. Locate in cab between driver and officer. Includes area for NFPA siren, electrical, and in-cab controls (as applicable) switching.	1	
CAB ELECTRICAL OPTIONS			
1750-0059-277-04	Receptacle inlet 20 amp with a Yellow cover. Location: driver's door step area.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
BODY COMPT LEFT SIDE			
3100-0222	Driver half side tandem body with 42" wide forward and 42" wide rearward compartmentation.	1	
BODY COMPT RIGHT SIDE			
3120-0378	Officer half side tandem body with 42" wide forward and 42" wide rearward compartmentation.	1	
BODY COMPT REAR			
3110-0130	Rear end tanker. Includes smooth plate upper and lower panels and a smooth plate center strip for a Jet or Newton Dump application.	1	

Salescode	Extended Description	Qty	
BODY COMPT REAR			
3340-0080	Bolt-on diamond plate 18" tailboard (full width of body). Includes (2) squared off beavertails (no stanchions) with removable outer panels and handrails- (2) vertical on trailing edge of body and horizontal mounted handrail(s) below hosebed.	1	
DOORS			
3300-0289-003	Door double vertical hinged w/rotary latches - painted . Location(s): L1 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-004	Door double vertical hinged w/rotary latches - painted . Location(s): L2 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-015	Door double vertical hinged w/rotary latches - painted . Location(s): R1 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-016	Door double vertical hinged w/rotary latches - painted . Location(s): R2 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP MODULE			
3130-0167	Pump module to be 76" wide (side to side). Includes upper, lower, crosswalk, speedlay and tranverse module(s) if applicable.	1	
3130-0523	Side mount pump module. Extruded aluminum with runningboards.	1	
3130-0532	Pump panel opening is 39" wide. Pumper / tanker only.	1	
3130-0539	Pump module height is 75". Pumper / tanker only.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0143	Officer side pump panel to be vertical hinged on forward extrusion. Panel to be (3) pieces with upper (2) panels secured in the closed position with push button latches. Upper panel to be held open with gas shock.	1	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	

Salescode	Extended Description	Qty	
PUMP MODULE OPTIONS			
3136-0058	E-ONE logo mounted one each side on pump module/preconnect panels. Logos to be sized as applicable to available space on panels.	1	
3136-0138	Pump module storage pan.	1	
3136-0139	Crosslay double 7.5" wide each to hold up to 200' of 2.0" DJ hose (each).	1	
WATER TANK			
4010-0099	Fill tower(s) to be located offset to officer side of water tank.	1	
4010-0193	2530 Gallon Tandem "T" Water Tank. UPF Poly III color fill towers. Note: Any foam cell(s) and/or storage options thru the tank will reduce the overall water capacity.	1	
WATER TANK OPTIONS			
4020-0004	Newton dump mounting plate.	1	
TANK PLUMBING			
4020-0018	Rear tank dump. Includes painted steel assembly with manual actuated valve on top of dump assembly. For use with slip on extension and chute.	1	
4450-0010	2" tank fill Akron manual valve.	1	
4450-0121	3" Tank to pump Akron air actuated valve w/4" tank connection.	1	
4450-0149-198	2.5" rear direct tank fill. Includes swing handle control, swivel with droop and plug with retainer. Located to driver's side of the rear body.	1	
4450-0149-199	2.5" rear direct tank fill. Includes swing handle control, swivel with droop and plug with retainer. Located to officer's side of the rear body.	1	
LADDER STORAGE / RACKS			
3365-0025-515	Attic ladder mounting brackets (PR). Locate officer side compartment top.	1	
3365-0189-198-L5	Manual drop-down portable tank storage rack. Includes forward and rearward securing clamps with manual releases. Locate rack to driver's side of body. Rack sized for steel framed 2500 portable tank.	1	
3365-0831	Hard Suction Storage Racks. Officer side hose bed side with adjustable tracks. Includes spring hold downs and scuff plates behind spring mounts (as applicable).	2	
HANDRAILS / STEPS			
3330-0277	Innovative Controls dual lighted LED folding steps rear NFPA. Includes folding steps on driver side rear of the body. (staggered stepped as applicable with tailboard depth) for NFPA hosebed access and handrail mounted on driver side upper hosebed side (as applicable).	1	

Salescode	Extended Description	Qty	
MISC BODY OPTIONS			
3340-0004	Hosebed above the booster tank. Includes forward hosebed and tower(s) cover plate work (as applicable). Hosebed adjustable divider extrusion rearward of the furthest tower is to run full width of the hosebed (as is practical with other hosebed mounted equipment).	1	
3340-0035	Divider Long. To run full length of hose bed (front to rear).	1	
3340-0075	Body mainframe and hosebed side assemblies for a 90" high body.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0107	Diamond plate tandem axle wheel well. Includes bolt-on composite wheel well liners and fenderettes.	1	
3340-0110	The rear of each hose bed divider to have a hand hold cut-out(s).	1	
3340-0145	Rub rail for the body and pump area module(s).	1	
3340-0463	Commercial chassis tandem axle wheelbase modfication. Adds 1" to wheelbase due rear axle offset between commercial and custom chassis.	1	
3340-0588	Slip-on painted steel dump elbow and 36" straight extension chute. Includes body mounted removable support arm and mounting brackets at rear of body for elbow and straight chute.	1	
3340-0681	Body mainframe layout line to be 24". Includes body and all applicable modules.	1	
3340-1560	Body or pump module notch to accommodate the exhaust canister for high horsepower engines (380 HP or more) on commercial chassis. Right side lower front compartments and/or pump module may be modified.	1	
PUMPS			
4005-0031	Rating 1500 GPM.	1	
4005-0196	Hale QMAX 1000-2250 GPM single stage pump. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PUMP OPTIONS			
4015-0038	Pump seal packing for Hale pump.	1	
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0098	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location on pump panel.	1	
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			

Salescode	Extended Description	Qty	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0014-581	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 1.	1	
4415-0014-582	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 2.	1	
4415-0016-583	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 1.	1	
4415-0016-584	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 2.	1	
4415-0022-350	2.5" Left Rear Discharge Akron Manual Valve. Location: left rear discharge.	1	
4415-0041	3" Deck Gun Discharge, Akron manual valve. (outlet shall terminate with MNPT threads unless extend gun is install)	1	
4417-0106-L65	Deck gun piping to be positioned centered in deck gun channel.	1	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	8	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
4417-0246	Dealer installed monitor, make and model as specified.	1	
PRESSURE GOVERNORS			
4465-0011	Class 1 TPG pressure governor. Includes, water, oil, volt and tachometer.	1	
GAUGES			
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0085-230	Innovative Controls 10 LED SL series tank level water gauge, additional. Location: officer rear.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	8	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel.	1	

Salescode	Extended Description	Qty	
GAUGES			
	Intake 30-0-400, and discharge 0-400.		
ELECTRICAL SYSTEMS			
5010-0014-B13	Vehicle data recorder for commercial cab - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: center console.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-B13	VFD Text display for V-MUX electrical system. Location: center console.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0267	Light bar Whelen Justice model JE2NFPA 56" LED with clear lenses and MKEZ7 mounts. N/A on Vista roofs with front facing windows. Includes (4) red corner facing LIN6 LED lights, (6) forward facing CON3 Linear LED lights; (4) red, (2) white. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0149-536	Whelen M6 Super LED lower level warning light package. Includes (10) red M6R LED light heads w/chrome flanges. Locate side facing lights: at forward most position, in rear wheel well offset to front, and on side of beavertail.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-B13	The primary electronic siren control is to be located center console.	1	
SPEAKERS			
5510-0029-209	Speaker, Federal Signal Dynamax ES100 with "E-ONE" grille through bumper. Location: driver side front bumper.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0022	Marker light LED body package. Commercial pumper bodies only.	1	
5150-0102	Whelen M6 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical 3 light housing and weatherproof	1	

Salescode	Extended Description	Qty	
DOT LIGHTING			
	connectors.		
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0030	Ground light package LED - small.	1	
5380-0276	Compartment light package TecNiq T440 4" LED for small bodies.	1	
LIGHTS - DECK AND SCENE			
5390-0022	Crosslay light Truck-Lite. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
5390-0215-395	Deck Lights - Optronics Model TLL44 (PR). Location: rear body/beavertail area on the trailing edge up high.	1	
5390-0216	Hose bed light Optronics LED model TLL44 Locate at front of hose bed. Switched with work light switch in cab.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0011	LED pump compartment light (EA).	1	
5400-0031	Pair of Cab Dome Large Lights mounted driver and officer side front. N/A on E-One Chassis. Required on Comm Chassis.	1	
5400-0150	Pump panel LED light package for side mount. Includes (6) Tecniq EON lights with S/S housings located (3) ea side. Includes S/S light shields (as applicable with intermedialte steps).	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
CAMERAS / INTERCOM			
5350-0103-B13	The back-up camera monitor is to be located on the center console.	1	
5350-0118	Camera backup Federal Signal LCD model CAMSET70-NTSC-4 with monitor.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
HOSE / NOZZLES			
7700-0053	PVC suction hose 6" X 10'. LIGHTWEIGHT SUCTION ONLY HOSE	2	
GROUND LADDERS			
7800-0007	Alco-Lite PRL-14' roof ladder.	1	
7800-0017	Alco-Lite PEL3-24 extension ladder.	1	

Salescode	Extended Description	Qty	
GROUND LADDERS			
7800-0032	Alco-Lite FL-10, 10' folding ladder w/safety shoes.	1	
MISC LOOSE EQUIPMENT			
7600-0016	Wheel chocks 44" NFPA compliant, pair (PR) of Zico SAC-44. Up to 44" diameter tires. Includes mounting brackets.	1	
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0089	All applicable pump/pre-connect application modules are to have a sanded finish (not painted job color). Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.	1	
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	
8100-0183-000-17	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0440-000-7W	Kenworth cab paint (by chassis OEM). Paint to match As Specified.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
GRAPHICS			
8400-0067	E-ONE logo with grey backing on M6 series vertical tail light housing (PR).	1	
WARRANTY / STANDARD			
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	

Salescode	Extended Description	Qty	
WARRANTY / STANDARD & EXTENDED			
9100-0039	1 year full warranty.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	
Dealer Supplied Equipment			

ITEM #4
Tanker
Peterbilt

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Peterbilt Chassis
Item #4

Quotation Number: 90519 Rev: 4

Unit Description: TTSA-COMM

Quote Description: Tanker, Tandem Axle, Side Mount, Commercial Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3090-0007	Hosebed hoseload allowance on the apparatus shall be 1200 lbs.	1	
3340-1137-11Z	Equipment allowance on the apparatus shall be 1000 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
CHASSIS PREP			
1020-0039	Chassis prep for a Peterbuilt chassis.	1	
TIRE OPTIONS			
1060-0119	RWC AirGuard LED tire pressure monitoring valve stem caps (10) for tandem rear axle applications.	1	
AIR SYSTEM OPTIONS			
1110-0010-277	Air inlet. To charge brake system. Commercial chassis only. Location: driver's door step area.	1	
ENGINES & TRANSMISSIONS			
1200-0137	Electronic speed limiting set to 60 MPH.	1	
1200-0336	PACCAR PX-9 engine 380 HP @ 2000 RPM, 1150 lb-ft Torque @ 1400 RPM, 2200 RPM Governed Speed	1	
CHASSIS OPTIONS			
1680-0011	Tow eyes rear below body, painted.	1	
1680-0078	Tow hooks front OEM. Not available with extended E-ONE installed front bumper.	1	

Salescode	Extended Description	Qty	
CHASSIS OPTIONS			
	Tow hooks are OEM supplied with chassis.		
1680-0394	OEM chassis step package for Peterbuilt Commercial Chassis. Includes mounting plate for the battery charger receptacle and air inlet.	1	
CAB MODEL			
1520-0124	CAB 2DR Peterbuilt model 348 6x4 with horzontial exhaust RH side exit. PX-9 engines 380-450 HP.	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
CAB DOOR OPTIONS			
1550-0227	Reflective striping shall be installed on commercial cab doors, visible when the door is open, meeting NFPA requirement of 96 sq. in. coverage for each door.	1	
MISC EXTERIOR CAB OPTIONS			
1675-0007	Diesel fuel only label.	1	
SEATS			
1685-0012	Seating capacity tag of two occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0450	Center control console painted black Zolatone. Locate in cab between driver and officer. Includes area for NFPA siren, electrical, and in-cab controls (as applicable) switching.	1	
CAB ELECTRICAL OPTIONS			
1750-0059-277-04	Receptacle inlet 20 amp with a Yellow cover. Location: driver's door step area.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
BODY COMPT LEFT SIDE			
3100-0222	Driver half side tandem body with 42" wide forward and 42" wide rearward compartmentation.	1	
BODY COMPT RIGHT SIDE			
3120-0378	Officer half side tandem body with 42" wide forward and 42" wide rearward compartmentation.	1	
BODY COMPT REAR			
3110-0130	Rear end tanker. Includes smooth plate upper and lower panels and a smooth plate center strip for a Jet or Newton Dump application.	1	

Salescode	Extended Description	Qty	
BODY COMPT REAR			
3340-0080	Bolt-on diamond plate 18" tailboard (full width of body). Includes (2) squared off beavertails (no stanchions) with removable outer panels and handrails- (2) vertical on trailing edge of body and horizontal mounted handrail(s) below hosebed.	1	
DOORS			
3300-0289-003	Door double vertical hinged w/rotary latches - painted . Location(s): L1 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-004	Door double vertical hinged w/rotary latches - painted . Location(s): L2 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-015	Door double vertical hinged w/rotary latches - painted . Location(s): R1 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-016	Door double vertical hinged w/rotary latches - painted . Location(s): R2 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP MODULE			
3130-0167	Pump module to be 76" wide (side to side). Includes upper, lower, crosswalk, speedlay and tranverse module(s) if applicable.	1	
3130-0523	Side mount pump module. Extruded aluminum with runningboards.	1	
3130-0532	Pump panel opening is 39" wide. Pumper / tanker only.	1	
3130-0539	Pump module height is 75". Pumper / tanker only.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0143	Officer side pump panel to be vertical hinged on forward extrusion. Panel to be (3) pieces with upper (2) panels secured in the closed position with push button latches. Upper panel to be held open with gas shock.	1	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	

Salescode	Extended Description	Qty	
PUMP MODULE OPTIONS			
3136-0058	E-ONE logo mounted one each side on pump module/preconnect panels. Logos to be sized as applicable to available space on panels.	1	
3136-0138	Pump module storage pan.	1	
3136-0139	Crosslay double 7.5" wide each to hold up to 200' of 2.0" DJ hose (each).	1	
WATER TANK			
4010-0099	Fill tower(s) to be located offset to officer side of water tank.	1	
4010-0193	2530 Gallon Tandem "T" Water Tank. UPF Poly III color fill towers. Note: Any foam cell(s) and/or storage options thru the tank will reduce the overall water capacity.	1	
WATER TANK OPTIONS			
4020-0004	Newton dump mounting plate.	1	
TANK PLUMBING			
4020-0018	Rear tank dump. Includes painted steel assembly with manual actuated valve on top of dump assembly. For use with slip on extension and chute.	1	
4450-0010	2" tank fill Akron manual valve.	1	
4450-0121	3" Tank to pump Akron air actuated valve w/4" tank connection.	1	
4450-0149-198	2.5" rear direct tank fill. Includes swing handle control, swivel with droop and plug with retainer. Located to driver's side of the rear body.	1	
4450-0149-199	2.5" rear direct tank fill. Includes swing handle control, swivel with droop and plug with retainer. Located to officer's side of the rear body.	1	
LADDER STORAGE / RACKS			
3365-0025-515	Attic ladder mounting brackets (PR). Locate officer side compartment top.	1	
3365-0189-198-L5	Manual drop-down portable tank storage rack. Includes forward and rearward securing clamps with manual releases. Locate rack to driver's side of body. Rack sized for steel framed 2500 portable tank.	1	
3365-0831	Hard Suction Storage Racks. Officer side hose bed side with adjustable tracks. Includes spring hold downs and scuff plates behind spring mounts (as applicable).	2	
HANDRAILS / STEPS			
3330-0277	Innovative Controls dual lighted LED folding steps rear NFPA. Includes folding steps on driver side rear of the body. (staggered stepped as applicable with tailboard depth) for NFPA hosebed access and handrail mounted on driver side upper hosebed side (as applicable).	1	

Salescode	Extended Description	Qty	
MISC BODY OPTIONS			
3340-0004	Hosebed above the booster tank. Includes forward hosebed and tower(s) cover plate work (as applicable). Hosebed adjustable divider extrusion rearward of the furthest tower is to run full width of the hosebed (as is practical with other hosebed mounted equipment).	1	
3340-0035	Divider Long. To run full length of hose bed (front to rear).	1	
3340-0075	Body mainframe and hosebed side assemblies for a 90" high body.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0107	Diamond plate tandem axle wheel well. Includes bolt-on composite wheel well liners and fenderettes.	1	
3340-0110	The rear of each hose bed divider to have a hand hold cut-out(s).	1	
3340-0145	Rub rail for the body and pump area module(s).	1	
3340-0463	Commercial chassis tandem axle wheelbase modfication. Adds 1" to wheelbase due rear axle offset between commercial and custom chassis.	1	
3340-0588	Slip-on painted steel dump elbow and 36" straight extension chute. Includes body mounted removable support arm and mounting brackets at rear of body for elbow and straight chute.	1	
3340-0681	Body mainframe layout line to be 24". Includes body and all applicable modules.	1	
3340-1560	Body or pump module notch to accommodate the exhaust canister for high horsepower engines (380 HP or more) on commercial chassis. Right side lower front compartments and/or pump module may be modified.	1	
PUMPS			
4005-0031	Rating 1500 GPM.	1	
4005-0196	Hale QMAX 1000-2250 GPM single stage pump. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PUMP OPTIONS			
4015-0038	Pump seal packing for Hale pump.	1	
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0098	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location on pump panel.	1	
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			

Salescode	Extended Description	Qty	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0014-581	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 1.	1	
4415-0014-582	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 2.	1	
4415-0016-583	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 1.	1	
4415-0016-584	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 2.	1	
4415-0022-350	2.5" Left Rear Discharge Akron Manual Valve. Location: left rear discharge.	1	
4415-0041	3" Deck Gun Discharge, Akron manual valve. (outlet shall terminate with MNPT threads unless extend gun is install)	1	
4417-0106-L65	Deck gun piping to be positioned centered in deck gun channel.	1	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	8	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
4417-0246	Dealer installed monitor, make and model as specified.	1	
PRESSURE GOVERNORS			
4465-0011	Class 1 TPG pressure governor. Includes, water, oil, volt and tachometer.	1	
GAUGES			
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0085-230	Innovative Controls 10 LED SL series tank level water gauge, additional. Location: officer rear.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	8	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel.	1	

Salescode	Extended Description	Qty	
GAUGES			
	Intake 30-0-400, and discharge 0-400.		
ELECTRICAL SYSTEMS			
5010-0014-B13	Vehicle data recorder for commercial cab - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: center console.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-B13	VFD Text display for V-MUX electrical system. Location: center console.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0267	Light bar Whelen Justice model JE2NFPA 56" LED with clear lenses and MKEZ7 mounts. N/A on Vista roofs with front facing windows. Includes (4) red corner facing LIN6 LED lights, (6) forward facing CON3 Linear LED lights; (4) red, (2) white. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0149-536	Whelen M6 Super LED lower level warning light package. Includes (10) red M6R LED light heads w/chrome flanges. Locate side facing lights: at forward most position, in rear wheel well offset to front, and on side of beavertail.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-B13	The primary electronic siren control is to be located center console.	1	
SPEAKERS			
5510-0029-209	Speaker, Federal Signal Dynamax ES100 with "E-ONE" grille through bumper. Location: driver side front bumper.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0022	Marker light LED body package. Commercial pumper bodies only.	1	
5150-0102	Whelen M6 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical 3 light housing and weatherproof	1	

Salescode	Extended Description	Qty	
DOT LIGHTING			
	connectors.		
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0030	Ground light package LED - small.	1	
5380-0276	Compartment light package TecNiq T440 4" LED for small bodies.	1	
LIGHTS - DECK AND SCENE			
5390-0022	Crosslay light Truck-Lite. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
5390-0215-395	Deck Lights - Optronics Model TLL44 (PR). Location: rear body/beavertail area on the trailing edge up high.	1	
5390-0216	Hose bed light Optronics LED model TLL44 Locate at front of hose bed. Switched with work light switch in cab.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0011	LED pump compartment light (EA).	1	
5400-0031	Pair of Cab Dome Large Lights mounted driver and officer side front. N/A on E-One Chassis. Required on Comm Chassis.	1	
5400-0150	Pump panel LED light package for side mount. Includes (6) Tecniq EON lights with S/S housings located (3) ea side. Includes S/S light shields (as applicable with intermedialte steps).	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
CAMERAS / INTERCOM			
5350-0103-B13	The back-up camera monitor is to be located on the center console.	1	
5350-0118	Camera backup Federal Signal LCD model CAMSET70-NTSC-4 with monitor.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
HOSE / NOZZLES			
7700-0053	PVC suction hose 6" X 10'. LIGHTWEIGHT SUCTION ONLY HOSE	2	
GROUND LADDERS			
7800-0007	Alco-Lite PRL-14' roof ladder.	1	
7800-0017	Alco-Lite PEL3-24 extension ladder.	1	

Salescode	Extended Description	Qty	
GROUND LADDERS			
7800-0032	Alco-Lite FL-10, 10' folding ladder w/safety shoes.	1	
MISC LOOSE EQUIPMENT			
7600-0016	Wheel chocks 44" NFPA compliant, pair (PR) of Zico SAC-44. Up to 44" diameter tires. Includes mounting brackets.	1	
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0089	All applicable pump/pre-connect application modules are to have a sanded finish (not painted job color). Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.	1	
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	
8100-0183-000-17	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0516-000-7W	Peterbilt cab paint (by chassis OEM). Paint to match As Specified.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
GRAPHICS			
8400-0067	E-ONE logo with grey backing on M6 series vertical tail light housing (PR).	1	
WARRANTY / STANDARD			
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	

Salescode	Extended Description	Qty	
WARRANTY / STANDARD & EXTENDED			
9100-0039	1 year full warranty.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	
Dealer Supplied Equipment			

ITEM #6
Pumper
International

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
International 4-Door Pumper
Item #6

Quotation Number: 90391 Rev: 5

Unit Description: PMPR-COMM

Quote Description: Pumper, Commercial Chassis Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3090-0007	Hosebed hoseload allowance on the apparatus shall be 1200 lbs.	1	
3340-1137-12B	Equipment allowance on the apparatus shall be 2000 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
CHASSIS PREP			
1020-0011	Commercial Chassis Prep for E-1supplied International chassis	1	
TIRE OPTIONS			
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
AIR SYSTEM OPTIONS			
1110-0010-277	Air inlet. To charge brake system. Commercial chassis only. Location: driver's door step area.	1	
ENGINES & TRANSMISSIONS			
1200-0126	Commercial chassis speed to be electronic limited and not to exceed a maximum of 68 MPH. Note: Speed rating may be lower based on OEM tire ratings/top speed limitations provided on chassis.	1	
1200-0357	Cummins L9 engine, 300 HP @ 2000 RPM, 860 lb-ft Torque @ 1300 RPM, 2200 RPM Governed Speed	1	

CHASSIS OPTIONS

Salescode	Extended Description	Qty	
CHASSIS OPTIONS			
1680-0011	Tow eyes rear below body, painted.	1	
1680-0078	Tow hooks front OEM. Not available with extended E-ONE installed front bumper. Tow hooks are OEM supplied with chassis.	1	
1680-0106	OEM chassis step package for International 4000 and 7000 series. Includes mounting plate for the battery charger receptacle and air inlet.	1	
CAB MODEL			
1500-0011	Four door Navistar 4400 4x2.	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
CAB DOOR OPTIONS			
1550-0227	Reflective striping shall be installed on commercial cab doors, visible when the door is open, meeting NFPA requirement of 96 sq. in. coverage for each door.	1	
MISC EXTERIOR CAB OPTIONS			
1675-0007	Diesel fuel only label.	1	
SEATS			
1510-0151	Universal air pack bottle bracket installed (EA).	4	
1685-0032	Seating capacity tag of five occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0450	Center control console painted black Zolatone. Locate in cab between driver and officer. Includes area for NFPA siren, electrical, and in-cab controls (as applicable) switching.	1	
CAB ELECTRICAL OPTIONS			
1750-0059-277-04	Receptacle inlet 20 amp with a Yellow cover. Location: driver's door step area.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
BODY COMPT LEFT SIDE			
3100-0096	Driver side body with full height 42" wide forward and 42" wide rearward compartmentation. Includes (1) 56" wide compartment over the wheel well.	1	
BODY COMPT RIGHT SIDE			
3120-0005	Officer half side body with 42" wide forward and 42" wide rearward compartmentation. Includes adjustable ladder tracks.	1	

Salescode	Extended Description	Qty	
BODY COMPT REAR			
3110-0005	Full Height Rear Compartment. Includes smooth plate panels.	1	
3110-0034	Upper rear compartment depth to be shallow.	1	
3340-0080	Bolt-on diamond plate 18" tailboard (full width of body). Includes (2) squared off beavertails (no stanchions) with removable outer panels and handrails- (2) vertical on trailing edge of body and horizontal mounted handrail(s) below hosebed.	1	
DOORS			
3300-0017-004	Door roll up short (up to 45") with satin finish ROM. Location(s): L2.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-005	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L3.	1	
3300-0019-027	Door roll up tall (greater than 45") with satin finish ROM. Location(s): B1.	1	
3300-0289-015	Door double vertical hinged w/rotary latches - painted . Location(s): R1 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-016	Door double vertical hinged w/rotary latches - painted . Location(s): R2 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP MODULE			
3130-0167	Pump module to be 76" wide (side to side). Includes upper, lower, crosswalk, speedlay and tranverse module(s) if applicable.	1	
3130-0523	Side mount pump module. Extruded aluminum with runningboards.	1	
3130-0532	Pump panel opening is 39" wide. Pumper / tanker only.	1	
3130-0539	Pump module height is 75". Pumper / tanker only.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0143	Officer side pump panel to be vertical hinged on forward extrusion. Panel to be (3) pieces with upper (2) panels secured in the closed position with push button latches. Upper panel to be held open with gas shock.	1	
MISC PUMP PANEL OPTIONS			

Salescode	Extended Description	Qty	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	
PUMP MODULE OPTIONS			
3136-0058	E-ONE logo mounted one each side on pump module/preconnect panels. Logos to be sized as applicable to available space on panels.	1	
3136-0138	Pump module storage pan.	1	
3136-0139	Crosslay double 7.5" wide each to hold up to 200' of 2.0" DJ hose (each).	1	
WATER TANK			
4010-0099	Fill tower(s) to be located offset to officer side of water tank.	1	
4010-0176	780 Gallon "T" Water Tank. UPF Poly III color fill towers. Note: Any foam cell(s) and/or storage options through the tank will reduce the overall water capacity.	1	
TANK PLUMBING			
4450-0010	2" tank fill Akron manual valve.	1	
4450-0119	3" tank to pump Akron manual valve w/4" tank connection.	1	
LADDER STORAGE / RACKS			
3365-0031	Hard Suction Storage Rack. Officer side in adjustable track above ladders (if applicable). Includes spring hold downs and scuff plates.	2	
3365-0049	Brand of ladders capable of being carried on unit to be Alco-Lite.	1	
3365-0087-C57	The length of ladders capable of being stored shall be the following: 24' 2-section and 14' roof ladder.	1	
HANDRAILS / STEPS			
3330-0277	Innovative Controls dual lighted LED folding steps rear NFPA. Includes folding steps on driver side rear of the body. (staggered stepped as applicable with tailboard depth) for NFPA hosebed access and handrail mounted on driver side upper hosebed side (as applicable).	1	
MISC BODY OPTIONS			
3340-0004	Hosebed above the booster tank. Includes forward hosebed and tower(s) cover plate work (as applicable). Hosebed adjustable divider extrusion rearward of the furthest tower is to run full width of the hosebed (as is practical with other hosebed mounted equipment).	1	
3340-0015	Diamond plate single axle wheel well. Includes bolt-on composite wheel well liners and aluminum trim fenderettes.	1	
3340-0035	Divider Long. To run full length of hose bed (front to rear).	1	

Salescode	Extended Description	Qty	
MISC BODY OPTIONS			
3340-0074	Body mainframe and hosebed side assemblies for a 85" high body.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0110	The rear of each hose bed divider to have a hand hold cut-out(s).	1	
3340-0145	Rub rail for the body and pump area module(s).	1	
3340-0680	Body mainframe layout line to be 23". Includes body and all applicable modules.	1	
PUMPS			
4005-0030	Rating 1250 GPM	1	
4005-0195	Hale QFLO 750-1250 GPM pump, single stage. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PUMP OPTIONS			
4015-0029	Hale pressure relief valve.	1	
4015-0037	Engine throttle, vernier.	1	
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0098	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location on pump panel.	1	
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0014-581	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 1.	1	
4415-0014-582	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 2.	1	
4415-0016-583	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 1.	1	

Salescode	Extended Description	Qty	
DISCHARGES AND PRECONNECTS			
4415-0022-350	2.5" Left Rear Discharge Akron Manual Valve. Location: left rear discharge.	1	
4415-0041	3" Deck Gun Discharge, Akron manual valve. (outlet shall terminate with MNPT threads unless extend gun is install)	1	
4417-0106-L65	Deck gun piping to be positioned centered in deck gun channel.	1	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	7	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
4417-0246	Dealer installed monitor, make and model as specified.	1	
GAUGES			
4435-0069	Class 1 ENFO IV system on pump operator's panel.	1	
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	7	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			
5010-0014-E12	Vehicle data recorder for commercial cab - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: outboard on driver's side overhead console.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-339	VFD Text display for V-MUX electrical system. Location: center of dash.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0267	Light bar Whelen Justice model JE2NFPA 56" LED with clear lenses and MKEZ7 mounts. N/A on Vista roofs with front facing windows. Includes (4) red corner facing LIN6 LED lights, (6) forward facing CON3 Linear LED lights; (4) red, (2) white. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0149-534	Whelen M6 Super LED lower level warning light package. Includes (10) red M6R	1	

Salescode	Extended Description	Qty	
WARNING LIGHT PACKAGES			
	LED light heads w/chrome flanges. Locate side facing lights: at forward most position, centered in rear wheel well, and on side of beavertail.		
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-B13	The primary electronic siren control is to be located center console.	1	
SPEAKERS			
5510-0028	Speaker Federal Dynamax ES100. Located officer's side behind tow hook. Navistar 4400 chassis only.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0022	Marker light LED body package. Commercial pumper bodies only.	1	
5150-0102	Whelen M6 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical 3 light housing and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0030	Ground light package LED - small.	1	
5380-0276	Compartment light package TecNiq T440 4" LED for small bodies.	1	
LIGHTS - DECK AND SCENE			
5390-0058-395	Deck Lights - Truck-Lite LED model 81380 (PR). Location: rear body/beavertail area on the trailing edge up high.	1	
5390-0216	Hose bed light Optronics LED model TLL44 Locate at front of hose bed. Switched with work light switch in cab.	1	
5390-0217	Crosslay light Optronics LED model TLL44. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0011	LED pump compartment light (EA).	1	

Salescode	Extended Description	Qty	
LIGHTS - NON-WARNING			
5400-0031	Pair of Cab Dome Large Lights mounted driver and officer side front. N/A on E-One Chassis. Required on Comm Chassis.	1	
5400-0032	Pair of Cab Dome Large Lights mounted driver and officer side Rear. N/A on E-One Chassis or two door commercial chassis. Required on Comm Chassis.	1	
5400-0259	TecNiq model E10 pump panel LED light package with (3) lights per side pump panel. Pump panels over 45" may require additional lights. Side mount only.	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
ELBOWS			
7400-0012	Chrome discharge elbow 2.5" FNST x 2.5" Male 3.187 x 6 thread per inch with a 2.5" Female 3.187 x 6 thread per inch chrome rocker lug cap with chain, 45 Degree.	3	
HOSE / NOZZLES			
7700-0004	Hard suction hose 6" X 10'. Smooth bore, black rubber hard suction hose for heavy duty service. Built with a spiral wire helix, and nylon fabric reinforcement piles. Tube and cover are taut, black rubber that is age and abrasion resistant.	2	
GROUND LADDERS			
7800-0007	Alco-Lite PRL-14' roof ladder.	1	
7800-0016	Alco-Lite PEL-24' 2-section extension ladder.	1	
7800-0032	Alco-Lite FL-10, 10' folding ladder w/safety shoes.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0089	All applicable pump/pre-connect application modules are to have a sanded finish (not painted job color). Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.	1	
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	

Salescode	Extended Description	Qty	
EXTERIOR PAINT			
8100-0182-000-17	Paint Body - Small - For Pumpers, Rear Mounts, S/A Tankers/Wetsides and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0442-000-17	International cab paint (by chassis OEM). Paint to match FLNA3225E-1 Red.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
GRAPHICS			
8400-0067	E-ONE logo with grey backing on M6 series vertical tail light housing (PR).	1	
WARRANTY / STANDARD			
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
9100-0039	1 year full warranty.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	

ITEM #6
Tanker
International

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Freightliner4-Door Pumper
Item #6

Quotation Number: 90730 Rev: 4

Unit Description: PMPR-COMM

Quote Description: Pumper, Commercial Chassis Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3090-0007	Hosebed hoseload allowance on the apparatus shall be 1200 lbs.	1	
3340-1137-12B	Equipment allowance on the apparatus shall be 2000 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
CHASSIS PREP			
1020-0010	Comm Chassis Prep E-1 supplied Freightliner.	1	
TIRE OPTIONS			
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
AIR SYSTEM OPTIONS			
1110-0010-277	Air inlet. To charge brake system. Commercial chassis only. Location: driver's door step area.	1	
ENGINES & TRANSMISSIONS			
1200-0126	Commercial chassis speed to be electronic limited and not to exceed a maximum of 68 MPH. Note: Speed rating may be lower based on OEM tire ratings/top speed limitations provided on chassis.	1	
1200-0357	Cummins L9 engine, 300 HP @ 2000 RPM, 860 lb-ft Torque @ 1300 RPM, 2200 RPM Governed Speed	1	
CHASSIS OPTIONS			

Salescode	Extended Description	Qty	
CHASSIS OPTIONS			
1680-0011	Tow eyes rear below body, painted.	1	
1680-0078	Tow hooks front OEM. Not available with extended E-ONE installed front bumper. Tow hooks are OEM supplied with chassis.	1	
1680-0104	OEM chassis step package for Freightliner M2 series. Includes mounting plate for the battery charger receptacle and air inlet.	1	
CAB MODEL			
1500-0009	Four door Freightlner M2 106 4x2.	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
CAB DOOR OPTIONS			
1550-0227	Reflective striping shall be installed on commercial cab doors, visible when the door is open, meeting NFPA requirement of 96 sq. in. coverage for each door.	1	
MISC EXTERIOR CAB OPTIONS			
1675-0007	Diesel fuel only label.	1	
SEATS			
1510-0151	Universal air pack bottle bracket installed (EA).	4	
1685-0032	Seating capacity tag of five occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0450	Center control console painted black Zolatone. Locate in cab between driver and officer. Includes area for NFPA siren, electrical, and in-cab controls (as applicable) switching.	1	
CAB ELECTRICAL OPTIONS			
1750-0059-277-04	Receptacle inlet 20 amp with a Yellow cover. Location: driver's door step area.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
BODY COMPT LEFT SIDE			
3100-0096	Driver side body with full height 42" wide forward and 42" wide rearward compartmentation. Includes (1) 56" wide compartment over the wheel well.	1	
BODY COMPT RIGHT SIDE			
3120-0005	Officer half side body with 42" wide forward and 42" wide rearward compartmentation. Includes adjustable ladder tracks.	1	

Salescode	Extended Description	Qty	
BODY COMPT REAR			
3110-0005	Full Height Rear Compartment. Includes smooth plate panels.	1	
3110-0034	Upper rear compartment depth to be shallow.	1	
3340-0080	Bolt-on diamond plate 18" tailboard (full width of body). Includes (2) squared off beavertails (no stanchions) with removable outer panels and handrails- (2) vertical on trailing edge of body and horizontal mounted handrail(s) below hosebed.	1	
DOORS			
3300-0017-004	Door roll up short (up to 45") with satin finish ROM. Location(s): L2.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-005	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L3.	1	
3300-0019-027	Door roll up tall (greater than 45") with satin finish ROM. Location(s): B1.	1	
3300-0289-015	Door double vertical hinged w/rotary latches - painted . Location(s): R1 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-016	Door double vertical hinged w/rotary latches - painted . Location(s): R2 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP MODULE			
3130-0167	Pump module to be 76" wide (side to side). Includes upper, lower, crosswalk, speedlay and tranverse module(s) if applicable.	1	
3130-0523	Side mount pump module. Extruded aluminum with runningboards.	1	
3130-0532	Pump panel opening is 39" wide. Pumper / tanker only.	1	
3130-0539	Pump module height is 75". Pumper / tanker only.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0143	Officer side pump panel to be vertical hinged on forward extrusion. Panel to be (3) pieces with upper (2) panels secured in the closed position with push button latches. Upper panel to be held open with gas shock.	1	
MISC PUMP PANEL OPTIONS			

Salescode	Extended Description	Qty	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	
PUMP MODULE OPTIONS			
3136-0058	E-ONE logo mounted one each side on pump module/preconnect panels. Logos to be sized as applicable to available space on panels.	1	
3136-0138	Pump module storage pan.	1	
3136-0139	Crosslay double 7.5" wide each to hold up to 200' of 2.0" DJ hose (each).	1	
WATER TANK			
4010-0099	Fill tower(s) to be located offset to officer side of water tank.	1	
4010-0176	780 Gallon "T" Water Tank. UPF Poly III color fill towers. Note: Any foam cell(s) and/or storage options through the tank will reduce the overall water capacity.	1	
TANK PLUMBING			
4450-0010	2" tank fill Akron manual valve.	1	
4450-0119	3" tank to pump Akron manual valve w/4" tank connection.	1	
LADDER STORAGE / RACKS			
3365-0031	Hard Suction Storage Rack. Officer side in adjustable track above ladders (if applicable). Includes spring hold downs and scuff plates.	2	
3365-0049	Brand of ladders capable of being carried on unit to be Alco-Lite.	1	
3365-0087-C57	The length of ladders capable of being stored shall be the following: 24' 2-section and 14' roof ladder.	1	
HANDRAILS / STEPS			
3330-0277	Innovative Controls dual lighted LED folding steps rear NFPA. Includes folding steps on driver side rear of the body. (staggered stepped as applicable with tailboard depth) for NFPA hosebed access and handrail mounted on driver side upper hosebed side (as applicable).	1	
MISC BODY OPTIONS			
3340-0004	Hosebed above the booster tank. Includes forward hosebed and tower(s) cover plate work (as applicable). Hosebed adjustable divider extrusion rearward of the furthest tower is to run full width of the hosebed (as is practical with other hosebed mounted equipment).	1	
3340-0015	Diamond plate single axle wheel well. Includes bolt-on composite wheel well liners and aluminum trim fenderettes.	1	
3340-0035	Divider Long. To run full length of hose bed (front to rear).	1	

Salescode	Extended Description	Qty	
MISC BODY OPTIONS			
3340-0074	Body mainframe and hosebed side assemblies for a 85" high body.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0110	The rear of each hose bed divider to have a hand hold cut-out(s).	1	
3340-0145	Rub rail for the body and pump area module(s).	1	
3340-0681	Body mainframe layout line to be 24". Includes body and all applicable modules.	1	
PUMPS			
4005-0030	Rating 1250 GPM	1	
4005-0195	Hale QFLO 750-1250 GPM pump, single stage. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PUMP OPTIONS			
4015-0029	Hale pressure relief valve.	1	
4015-0037	Engine throttle, vernier.	1	
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0098	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location on pump panel.	1	
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0014-581	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 1.	1	
4415-0014-582	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 2.	1	
4415-0016-583	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 1.	1	

Salescode	Extended Description	Qty	
DISCHARGES AND PRECONNECTS			
4415-0022-350	2.5" Left Rear Discharge Akron Manual Valve. Location: left rear discharge.	1	
4415-0041	3" Deck Gun Discharge, Akron manual valve. (outlet shall terminate with MNPT threads unless extend gun is install)	1	
4417-0106-L65	Deck gun piping to be positioned centered in deck gun channel.	1	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	7	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
4417-0246	Dealer installed monitor, make and model as specified.	1	
GAUGES			
4435-0069	Class 1 ENFO IV system on pump operator's panel.	1	
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	7	
4435-0247	4” Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			
5010-0014-G97	Vehicle data recorder for commercial cab - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: cab dash above transmission shift panel.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-339	VFD Text display for V-MUX electrical system. Location: center of dash.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0267	Light bar Whelen Justice model JE2NFPA 56" LED with clear lenses and MKEZ7 mounts. N/A on Vista roofs with front facing windows. Includes (4) red corner facing LIN6 LED lights, (6) forward facing CON3 Linear LED lights; (4) red, (2) white. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0149-534	Whelen M6 Super LED lower level warning light package. Includes (10) red M6R	1	

Salescode	Extended Description	Qty	
WARNING LIGHT PACKAGES			
	LED light heads w/chrome flanges. Locate side facing lights: at forward most position, centered in rear wheel well, and on side of beavertail.		
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-B13	The primary electronic siren control is to be located center console.	1	
SPEAKERS			
5510-0029-209	Speaker, Federal Signal Dynamax ES100 with "E-ONE" grille through bumper. Location: driver side front bumper.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0022	Marker light LED body package. Commercial pumper bodies only.	1	
5150-0102	Whelen M6 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical 3 light housing and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0030	Ground light package LED - small.	1	
5380-0276	Compartment light package TecNiq T440 4" LED for small bodies.	1	
LIGHTS - DECK AND SCENE			
5390-0058-395	Deck Lights - Truck-Lite LED model 81380 (PR). Location: rear body/beavertail area on the trailing edge up high.	1	
5390-0216	Hose bed light Optronics LED model TLL44 Locate at front of hose bed. Switched with work light switch in cab.	1	
5390-0217	Crosslay light Optronics LED model TLL44. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0011	LED pump compartment light (EA).	1	

Salescode	Extended Description	Qty	
LIGHTS - NON-WARNING			
5400-0031	Pair of Cab Dome Large Lights mounted driver and officer side front. N/A on E-One Chassis. Required on Comm Chassis.	1	
5400-0032	Pair of Cab Dome Large Lights mounted driver and officer side Rear. N/A on E-One Chassis or two door commercial chassis. Required on Comm Chassis.	1	
5400-0259	TecNiq model E10 pump panel LED light package with (3) lights per side pump panel. Pump panels over 45" may require additional lights. Side mount only.	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
ELBOWS			
7400-0012	Chrome discharge elbow 2.5" FNST x 2.5" Male 3.187 x 6 thread per inch with a 2.5" Female 3.187 x 6 thread per inch chrome rocker lug cap with chain, 45 Degree.	3	
HOSE / NOZZLES			
7700-0004	Hard suction hose 6" X 10'. Smooth bore, black rubber hard suction hose for heavy duty service. Built with a spiral wire helix, and nylon fabric reinforcement piles. Tube and cover are taut, black rubber that is age and abrasion resistant.	2	
GROUND LADDERS			
7800-0007	Alco-Lite PRL-14' roof ladder.	1	
7800-0016	Alco-Lite PEL-24' 2-section extension ladder.	1	
7800-0032	Alco-Lite FL-10, 10' folding ladder w/safety shoes.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0089	All applicable pump/pre-connect application modules are to have a sanded finish (not painted job color). Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.	1	
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	

Salescode	Extended Description	Qty	
EXTERIOR PAINT			
8100-0182-000-17	Paint Body - Small - For Pumpers, Rear Mounts, S/A Tankers/Wetsides and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0443-000-17	Freightliner cab paint (by chassis OEM). Paint to match FLNA3225E-1 Red.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
GRAPHICS			
8400-0067	E-ONE logo with grey backing on M6 series vertical tail light housing (PR).	1	
WARRANTY / STANDARD			
9100-0000	Standard 1 Year Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	

ITEM #7
Pumper
Typhoon

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Typhoon Pumper
Item #7

Quotation Number: 72738 Rev: 11

Unit Description: PMPR-TYPH

Quote Description: Pumper, Typhoon Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3090-0007	Hosebed hoseload allowance on the apparatus shall be 1200 lbs.	1	
3340-1137-12B	Equipment allowance on the apparatus shall be 2000 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
BUMPERS			
1160-0000	Bumper 10" stainless steel.	1	
1160-0008	3/16" Front Bumper Gravel Shield.	1	
1160-0012	12" Front Bumper Gravel Shield Extension.	1	
1160-0020	License plate holder mounted center of front bumper.	1	
FRAME ASSEMBLY			
1250-0080	Frame assembly with 10.25 x 3.5 x .375 powder coated galvanized rails.	1	
1250-0092	GEOMET coated frame assembly fasteners.	1	
AXLE OPTIONS			
1025-0016	Meritor RS-24-160 single rear axle 24,000 lb. capacity.	1	
1025-0029	Front shock absorbers.	1	
1025-0174	Meritor FL941 front axle 18,000 lb.	1	
SUSPENSIONS			
1070-0001	Rear suspension springs rated equal to the capacity of the axle.	1	

Salescode	Extended Description	Qty	
WHEEL OPTIONS			
1050-0000	Steel wheels for front axle (2).	1	
1050-0002	Steel wheels for rear axle (4).	1	
TIRE OPTIONS			
1060-0001	Two Michelin 315 tires model XZA-1 for front axle.	1	
1060-0015	Four Michelin 11R rear tires with XDN2 all weather tread.	1	
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
BRAKE SYSTEMS			
1100-0000	16-1/2" x 6" S-cam brakes with ArvinMeritor automatic slack adjusters for front axle.	1	
1100-0002	ArvinMeritor 16-1/2" x 7" S-cam brakes with cast brake drums for a single rear axle.	1	
1100-0005	Brake system air 4X2/4X4.	1	
1100-0006	Parking brake release mounted on the driver's side lower dash.	1	
AIR SYSTEM OPTIONS			
1110-0000-001	Inlet for air system. Location: driver door jamb.	1	
1110-0002	Air dryer Bendix AD-9.	1	
1110-0006	Air lines nylon.	1	
1110-0026	Air horns recessed in bumper (PR).	1	
ENGINES & TRANSMISSIONS			
1200-0017	Push-button transmission shift selector.	1	
1200-0020	TransSynd synthetic transmission fluid for EVS3000.	1	
1200-0097	Electronic limiting of speed to 68 MPH maximum. Note: Max speed may be set at 65 MPH due to tire rating.	1	
1200-0337	Eng/Trans Cummins L9 330HP/EVS3000 2017 EPA compliant engine.	1	
SECONDARY BRAKING			
1125-0002	Jacobs engine compression brake.	1	
1125-0023	Transmission to seek second gear when Jacobs engine brake or Telma retarder is engaged. N/A with Trans retarder.	1	
COOLING PACKAGE			
1800-0013	Cooling system for use with Cyclone II X, Typhoon X, and Quest chassis. For use	1	

Salescode	Extended Description	Qty	
COOLING PACKAGE			
	with 2010 - 2017 EPA engines. Includes coolant recovery system.		
FUEL SYSTEMS			
1350-0003	Fuel system 50 gallon.	1	
1350-0022	Fuel line hose rubber.	1	
ALTERNATOR			
1700-0003	Alternator Leece Neville 270 amp SAE, 240 amp NFPA rating.	1	
BATTERIES			
1400-0002	Battery four group 31 1000 CCA.	1	
CHASSIS OPTIONS			
1680-0005	Thermatic fan clutch.	1	
1680-0006	Drivelines 1710.	1	
1680-0008	Tow eyes front painted below bumper/cab (PR).	1	
1680-0011	Tow eyes rear below body, painted.	1	
1680-0250-M58	Diesel Exhaust Fluid (DEF) 5 gallon tank for 2013 / 2016 EPA engines. Location: left side below rear of cab.	1	
1680-0284	Radiator mounted power steering cooler.	1	
CAB MODEL			
1520-0013	Typhoon X medium cab with 58" CA	1	
CAB ROOF TYPE			
1615-0010	Cab roof to be "flat" (non-vista).	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
GRILLE			
1620-0004	ABS chrome plated grille.	1	
CAB DOOR OPTIONS			
1550-0003	Rear crew cab doors in the medium position.	1	
1550-0005	Driver and officer cab door windows. Include forward vent windows.	1	
1550-0011	Rear crew cab door windows. Includes manual roll-down actuation. Not available on Typhoon or CII with paddle style door latching.	1	

Salescode	Extended Description	Qty	
CAB DOOR OPTIONS			
1550-0016	Cab door panels ABS.	1	
1550-0025	All cab doors shall have "L" style exterior latches.	1	
1550-0027	Front cab door windows to have manual actuation.	1	
1550-0038-659	(4) LED cab step area lighting. Locate each light on each cab door in the inboard position. Lights to be switched with door ajar.	1	
1550-0044	All cab door kick plates to be made from diamond plate aluminum.	1	
1550-0059-000-G6	Reflective Red/Lemon Yellow printed striping positioned in the "A" formation located on the cab door panels.	1	
1550-0077	Interior cab door locks - manual. Will have manual actuation from each respective door. Includes barrel style key lock on each exterior cab door.	1	
1550-0083	All cab exterior access doors to have CH751 keyed locks.	1	
MIRRORS			
1670-0003	Velvac 2010 mirrors. Door mounted west coast style with remote control and heat.	1	
MISC EXTERIOR CAB OPTIONS			
1550-0020	Windows cab side fixed driver's side.	1	
1550-0033	Windows cab side fixed officer's side.	1	
1675-0022	Pair of 18" handrails located just behind driver and officer front door one each side.	1	
1675-0023	Pair of 18" handrails located just behind driver and officer rear door (ALS doors if equipped) one each side.	1	
1675-0030	Mud flaps, front, black with E-ONE logo.	1	
1675-0047	Rear cab wall to be 3/16" aluminum diamond plate.	1	
1675-0202	Mounting plate for battery charger receptacle, indicator, air inlet, etc (if applicable). Plate to be removable brushed stainless steel.	1	
HVAC			
1515-0017	Air conditioning for the Typhoon X, CII X and Quest with Cummins ISC/ISL engine and radiator mounted condenser.	1	
1515-0048	Controls for heating and air conditioning shall be located in the driver side lower dash area. For use without front air bags only.	1	
SEATS			
1510-0003	Seats, Inc. brand 911 cab seats.	1	
1510-0007	Seat cover material vinyl.	1	

Salescode	Extended Description	Qty	
SEATS			
1510-0008	Seat color gray.	1	
1510-0035-147	Universal air pack bottle bracket (EA). Location: officer's seat.	1	
1510-0035-148	Universal air pack bottle bracket (EA). Location: rear facing driver's side.	1	
1510-0035-151	Universal air pack bottle bracket (EA). Location: inboard driver's side rear wall.	1	
1510-0035-152	Universal air pack bottle bracket (EA). Location: inboard officer's side rear wall.	1	
1510-0035-215	Universal air pack bottle bracket (EA). Location: rear facing officer's side.	1	
1510-0038	Driver seat 911 air ride.	1	
1510-0042	Officer seat to be 911 fixed SCBA.	1	
1510-0050	Rear facing 911 seat with SCBA driver's side.	1	
1510-0053	Rear facing 911 seat with SCBA officer's side.	1	
1510-0062	Two man bench centered on rear wall with 911 SCBA backs. Includes angled corners.	1	
1685-0033	Seating capacity tag of six occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0000	Cab interior gray. Does not include engine cover or seat color.	1	
1685-0006	Padded sun visors, driver and officer's side overhead.	1	
1685-0168	ABS Dash package. Includes center and officer side dash, lower kick panels and "A" post covers.	1	
1685-0187	Severe duty engine cover, molded polyurethane.	1	
1685-0496	ABS overhead console. Includes front full width overhead, air conditioning plenum and rear facing blower.	1	
1685-0532	Stepped profile rear engine cover.	1	
CAB ELECTRICAL OPTIONS			
1750-0013-172	Turn signal Whelen 600 LED amber arrow pair located upper headlight bezel.	1	
1750-0024-179-04	Auto-Eject receptacle inlet 20 amp located outside driver's door next to handrail with a Yellow cover.	1	
1750-0046-195	Cab Headlights. Position: lower.	1	
1750-0072-592	12 VDC (or 24VDC) electrical outlet wired battery hot. Location: driver side dash.	1	
1750-0075	English dominant main cab gauge cluster.	1	
1750-0158	Dome Lts Red/White LED. Package includes two lights mounted in the front and two mounted in the rear of the cab. White light wired through door and light assembly switch. Red light through light assembly switch.	1	

Salescode	Extended Description	Qty	
CAB ELECTRICAL OPTIONS			
1750-0198-A31	Battery charger to be located behind driver's seat.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
1750-0435	Halogen cab headlights. TyphoonX, CIIX and QST2 only.	1	
1750-0449	Momentary DPF regeneration override switch.	1	
BODY COMPT LEFT SIDE			
3100-0093	Driver side body with full height 24" wide forward and 36" wide rearward compartmentation. Includes (1) 56" wide compartment over the wheel well.	1	
BODY COMPT RIGHT SIDE			
3120-0000	Officer half side body with 24" wide forward and 36" wide rearward compartmentation. Includes adjustable ladder tracks.	1	
BODY COMPT REAR			
3110-0005	Full Height Rear Compartment. Includes smooth plate panels.	1	
3110-0034	Upper rear compartment depth to be shallow.	1	
3340-0080	Bolt-on diamond plate 18" tailboard (full width of body). Includes (2) squared off beavertails (no stanchions) with removable outer panels and handrails- (2) vertical on trailing edge of body and horizontal mounted handrail(s) below hosebed.	1	
DOORS			
3300-0007-003	Door single vertical hinged painted. Location(s): L1	1	
3300-0007-015	Door single vertical hinged painted. Location(s): R1	1	
3300-0011-004	Door single horizontal hinged lift-up box pan configuration painted. Location(s): L2	1	
3300-0289-016	Door double vertical hinged w/rotary latches - painted . Location(s): R2 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0292-005	Door double 3-point vertical hinged w/rotary latches - painted. Location(s): L3. Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0294-027	Door double 3-point vertical hinged w/rotary latches - smooth plate sanded. Location(s): B1. Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	

Salescode	Extended Description	Qty	
COVERS			
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP MODULE			
3130-0167	Pump module to be 76" wide (side to side). Includes upper, lower, crosswalk, speedlay and tranverse module(s) if applicable.	1	
3130-0523	Side mount pump module. Extruded aluminum with runningboards.	1	
3130-0533	Pump panel opening is 45" wide. Pumper / tanker only.	1	
3130-0539	Pump module height is 75". Pumper / tanker only.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0055	Officer side upper pump access panel to be horizontal hinged with stainless steel door. Includes (2) push button latches and (2) hold open devices.	1	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	
PUMP MODULE OPTIONS			
3136-0058	E-ONE logo mounted one each side on pump module/preconnect panels. Logos to be sized as applicable to available space on panels.	1	
3136-0138	Pump module storage pan.	1	
3136-0139	Crosslay double 7.5" wide each to hold up to 200' of 2.0" DJ hose (each).	1	
WATER TANK			
4010-0099	Fill tower(s) to be located offset to officer side of water tank.	1	
4010-0176	780 Gallon "T" Water Tank. UPF Poly III color fill towers. Note: Any foam cell(s) and/or storage options through the tank will reduce the overall water capacity.	1	
TANK PLUMBING			
4450-0010	2" tank fill Akron manual valve.	1	
4450-0119	3" tank to pump Akron manual valve w/4" tank connection.	1	
LADDER STORAGE / RACKS			
3365-0049	Brand of ladders capable of being carried on unit to be Alco-Lite.	1	
3365-0087-C57	The length of ladders capable of being stored shall be the following: 24' 2-section and 14' roof ladder.	1	
HANDRAILS / STEPS			

Salescode	Extended Description	Qty	
HANDRAILS / STEPS			
3330-0277	Innovative Controls dual lighted LED folding steps rear NFPA. Includes folding steps on driver side rear of the body. (staggered stepped as applicable with tailboard depth) for NFPA hosebed access and handrail mounted on driver side upper hosebed side (as applicable).	1	
MISC BODY OPTIONS			
3340-0004	Hosebed above the booster tank. Includes forward hosebed and tower(s) cover plate work (as applicable). Hosebed adjustable divider extrusion rearward of the furthest tower is to run full width of the hosebed (as is practical with other hosebed mounted equipment).	1	
3340-0015	Diamond plate single axle wheel well. Includes bolt-on composite wheel well liners and aluminum trim fenderettes.	1	
3340-0035	Divider Long. To run full length of hose bed (front to rear).	1	
3340-0058	Recessed fuel fill driver side wheel well.	1	
3340-0074	Body mainframe and hosebed side assemblies for a 85" high body.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0110	The rear of each hose bed divider to have a hand hold cut-out(s).	1	
3340-0145	Rub rail for the body and pump area module(s).	1	
3340-0681	Body mainframe layout line to be 24". Includes body and all applicable modules.	1	
PUMPS			
4005-0030	Rating 1250 GPM	1	
4005-0195	Hale QFLO 750-1250 GPM pump, single stage. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PUMP OPTIONS			
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0098	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location on pump panel.	1	
4015-0210	Pump cooler with Innovative Control 1/4 turn valve with "T" handle and label.	1	
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			

Salescode	Extended Description	Qty	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0022-350	2.5" Left Rear Discharge Akron Manual Valve. Location: left rear discharge.	1	
4415-0041	3" Deck Gun Discharge, Akron manual valve. (outlet shall terminate with MNPT threads unless extend gun is install)	1	
4415-0161-581	2.5" Left Panel Discharge Akron Manual Valve w/30 Degree Chrome Droop. Location: left side discharge 1.	1	
4415-0161-582	2.5" Left Panel Discharge Akron Manual Valve w/30 Degree Chrome Droop. Location: left side discharge 2.	1	
4415-0164-583	2.5" Right Panel Discharge Akron Manual Valve w/30 Degree Chrome Droop. Location: right side discharge 1.	1	
4417-0106-L65	Deck gun piping to be positioned centered in deck gun channel.	1	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	7	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
4417-0246	Dealer installed monitor, make and model as specified.	1	
PRESSURE GOVERNORS			
4465-0011	Class 1 TPG pressure governor. Includes, water, oil, volt and tachometer.	1	
GAUGES			
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	7	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	

Salescode	Extended Description	Qty	
ELECTRICAL SYSTEMS			
5010-0049	Vehicle data recorder - 2009 / 2016 NFPA compliant. Includes occupant detection shown in multiplex display. E-ONE chassis only.	1	
5010-0055-649	Vista IV display for V-MUX electrical system. Location: driver's side engine cover.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0504	Whelen MKEZ7 1.5" standard mount for front light bar (PR).	1	
5300-0506-000-4T	Front light bar LED color: Red with clear lenses (If applicable, includes side facing when colors are the same.)	1	
5300-0511	Light bar Whelen Freedom IV Model F4X7 72" with 8 LED modules. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0483-534-4U	Whelen C-Series model C6L Super LED lower level warning light package. Includes (10) light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, centered in rear wheel well, and on side of beavertail.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0015	Whelen model 295SLSA1 siren with microphone (replaced 295HFSA1).	1	
5500-0024-170	The primary electronic siren control is to be located center overhead.	1	
SPEAKERS			
5510-0049-209	Whelen SP123BMC electronic siren speaker recessed in front bumper. Location: driver side front bumper.	1	
DOT LIGHTING			
5150-0007	Whelen 600 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and halogen back-up lights with vertical Cast 3 housing and weatherproof connectors.	1	
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0025	Marker light LED body/cab package. E-One custom cab and pumper or tanker body only.	1	

Salescode	Extended Description	Qty	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0011	Compartment light package LED for small bodies.	1	
5380-0032	Ground light package LED - large.	1	
LIGHTS - DECK AND SCENE			
5390-0003	Hose bed light Truck-Lite. Locate at the front area of the hose bed. Switched with work light switch in cab.	1	
5390-0022	Crosslay light Truck-Lite. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
5390-0024-395	Deck Light - Truck-Lite (PR). Location: rear body/beavertail area on the trailing edge up high.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0010	Incandescent pump compartment light (EA).	1	
5400-0259	TecNiq model E10 pump panel LED light package with (3) lights per side pump panel. Pump panels over 45" may require additional lights. Side mount only.	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
HOSE / NOZZLES			
7700-0053	PVC suction hose 6" X 10'. LIGHTWEIGHT SUCTION ONLY HOSE	2	
GROUND LADDERS			
7800-0007	Alco-Lite PRL-14' roof ladder.	1	
7800-0016	Alco-Lite PEL-24' 2-section extension ladder.	1	
7800-0032	Alco-Lite FL-10, 10' folding ladder w/safety shoes.	1	
MISC LOOSE EQUIPMENT			
7600-0016	Wheel chocks 44" NFPA compliant, pair (PR) of Zico SAC-44. Up to 44" diameter tires. Includes mounting brackets.	1	
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0089	All applicable pump/pre-connect application modules are to have a sanded finish	1	

Salescode	Extended Description	Qty	
EXTERIOR PAINT			
	(not painted job color). Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.		
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	
8100-0176-000-17	Paint E-ONE chassis cab - Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0182-000-17	Paint Body - Small - For Pumpers, Rear Mounts, S/A Tankers/Wetsides and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0186-000-39	Paint exterior surface of outer steel wheels. Sikkens paint. Color: Job Color.	1	
INTERIOR PAINT			
8150-0011	The interior of the cab to be painted Zolatone gray.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
WARRANTY / STANDARD			
9100-0003	Lifetime Frame Stuctural Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
9100-0039	1 year full warranty.	1	
9100-0090	25 Year frame rail corrosion warranty. Includes liners (if equipped).	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0016	Approval Drawings-Standard.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	

Salescode	Extended Description	Qty	
Dealer Supplied Equipment			

ITEM #8
Pumper
Cyclone II

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
CII Pumper
Item #8

Quotation Number: 72739 Rev: 13

Unit Description: PMPR-CYC2

Quote Description: Pumper, Cyclone II Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3090-0007	Hosebed hoseload allowance on the apparatus shall be 1200 lbs.	1	
3340-1137-12B	Equipment allowance on the apparatus shall be 2000 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
BUMPERS			
1160-0000	Bumper 10" stainless steel.	1	
1160-0008	3/16" Front Bumper Gravel Shield.	1	
1160-0012	12" Front Bumper Gravel Shield Extension.	1	
1160-0020	License plate holder mounted center of front bumper.	1	
FRAME ASSEMBLY			
1250-0080	Frame assembly with 10.25 x 3.5 x .375 powder coated galvanized rails.	1	
1250-0092	GEOMET coated frame assembly fasteners.	1	
AXLE OPTIONS			
1025-0016	Meritor RS-24-160 single rear axle 24,000 lb. capacity.	1	
1025-0029	Front shock absorbers.	1	
1025-0174	Meritor FL941 front axle 18,000 lb.	1	
SUSPENSIONS			
1070-0001	Rear suspension springs rated equal to the capacity of the axle.	1	

Salescode	Extended Description	Qty	
WHEEL OPTIONS			
1050-0000	Steel wheels for front axle (2).	1	
1050-0002	Steel wheels for rear axle (4).	1	
TIRE OPTIONS			
1060-0001	Two Michelin 315 tires model XZA-1 for front axle.	1	
1060-0015	Four Michelin 11R rear tires with XDN2 all weather tread.	1	
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
BRAKE SYSTEMS			
1100-0000	16-1/2" x 6" S-cam brakes with ArvinMeritor automatic slack adjusters for front axle.	1	
1100-0002	ArvinMeritor 16-1/2" x 7" S-cam brakes with cast brake drums for a single rear axle.	1	
1100-0005	Brake system air 4X2/4X4.	1	
1100-0006	Parking brake release mounted on the driver's side lower dash.	1	
AIR SYSTEM OPTIONS			
1110-0000-001	Inlet for air system. Location: driver door jamb.	1	
1110-0002	Air dryer Bendix AD-9.	1	
1110-0006	Air lines nylon.	1	
1110-0026	Air horns recessed in bumper (PR).	1	
ENGINES & TRANSMISSIONS			
1200-0017	Push-button transmission shift selector.	1	
1200-0020	TransSynd synthetic transmission fluid for EVS3000.	1	
1200-0097	Electronic limiting of speed to 68 MPH maximum. Note: Max speed may be set at 65 MPH due to tire rating.	1	
1200-0340	Eng/Trans Cummins L9 400HP/EVS3000 2017 EPA compliant engine.	1	
SECONDARY BRAKING			
1125-0002	Jacobs engine compression brake.	1	
1125-0023	Transmission to seek second gear when Jacobs engine brake or Telma retarder is engaged. N/A with Trans retarder.	1	
COOLING PACKAGE			
1800-0013	Cooling system for use with Cyclone II X, Typhoon X, and Quest chassis. For use	1	

Salescode	Extended Description	Qty	
COOLING PACKAGE			
	with 2010 - 2017 EPA engines. Includes coolant recovery system.		
FUEL SYSTEMS			
1350-0003	Fuel system 50 gallon.	1	
1350-0022	Fuel line hose rubber.	1	
ALTERNATOR			
1700-0003	Alternator Leece Neville 270 amp SAE, 240 amp NFPA rating.	1	
BATTERIES			
1400-0002	Battery four group 31 1000 CCA.	1	
CHASSIS OPTIONS			
1680-0005	Thermatic fan clutch.	1	
1680-0006	Drivelines 1710.	1	
1680-0008	Tow eyes front painted below bumper/cab (PR).	1	
1680-0011	Tow eyes rear below body, painted.	1	
1680-0250-M58	Diesel Exhaust Fluid (DEF) 5 gallon tank for 2013 / 2016 EPA engines. Location: left side below rear of cab.	1	
1680-0284	Radiator mounted power steering cooler.	1	
CAB MODEL			
1520-0010	Cyclone II X long cab with 67.5" CA	1	
CAB ROOF TYPE			
1615-0010	Cab roof to be "flat" (non-vista).	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
CAB DOOR OPTIONS			
1550-0003	Rear crew cab doors in the medium position.	1	
1550-0005	Driver and officer cab door windows. Include forward vent windows.	1	
1550-0011	Rear crew cab door windows. Includes manual roll-down actuation. Not available on Typhoon or CII with paddle style door latching.	1	
1550-0016	Cab door panels ABS.	1	
1550-0025	All cab doors shall have "L" style exterior latches.	1	

Salescode	Extended Description	Qty	
CAB DOOR OPTIONS			
1550-0027	Front cab door windows to have manual actuation.	1	
1550-0038-659	(4) LED cab step area lighting. Locate each light on each cab door in the inboard position. Lights to be switched with door ajar.	1	
1550-0044	All cab door kick plates to be made from diamond plate aluminum.	1	
1550-0059-000-G6	Reflective Red/Lemon Yellow printed striping positioned in the "A" formation located on the cab door panels.	1	
1550-0077	Interior cab door locks - manual. Will have manual actuation from each respective door. Includes barrel style key lock on each exterior cab door.	1	
1550-0083	All cab exterior access doors to have CH751 keyed locks.	1	
MIRRORS			
1670-0003	Velvac 2010 mirrors. Door mounted west coast style with remote control and heat.	1	
MISC EXTERIOR CAB OPTIONS			
1550-0020	Windows cab side fixed driver's side.	1	
1550-0033	Windows cab side fixed officer's side.	1	
1675-0022	Pair of 18" handrails located just behind driver and officer front door one each side.	1	
1675-0023	Pair of 18" handrails located just behind driver and officer rear door (ALS doors if equipped) one each side.	1	
1675-0030	Mud flaps, front, black with E-ONE logo.	1	
1675-0046	Rear cab wall to be smooth 3/16" aluminum plate. Cab wall to be finish painted to match the cab paint scheme.	1	
1675-0202	Mounting plate for battery charger receptacle, indicator, air inlet, etc (if applicable). Plate to be removable brushed stainless steel.	1	
HVAC			
1515-0017	Air conditioning for the Typhoon X, CII X and Quest with Cummins ISC/ISL engine and radiator mounted condenser.	1	
1515-0053	Controls for heating and air conditioning shall be located in the center dash area. (Lower area on Typhoon and CII with severe duty dash)	1	
SEATS			
1510-0003	Seats, Inc. brand 911 cab seats.	1	
1510-0007	Seat cover material vinyl.	1	
1510-0008	Seat color gray.	1	

Salescode	Extended Description	Qty	
SEATS			
1510-0035-147	Universal air pack bottle bracket (EA). Location: officer's seat.	1	
1510-0035-148	Universal air pack bottle bracket (EA). Location: rear facing driver's side.	1	
1510-0035-151	Universal air pack bottle bracket (EA). Location: inboard driver's side rear wall.	1	
1510-0035-152	Universal air pack bottle bracket (EA). Location: inboard officer's side rear wall.	1	
1510-0035-215	Universal air pack bottle bracket (EA). Location: rear facing officer's side.	1	
1510-0038	Driver seat 911 air ride.	1	
1510-0042	Officer seat to be 911 fixed SCBA.	1	
1510-0050	Rear facing 911 seat with SCBA driver's side.	1	
1510-0053	Rear facing 911 seat with SCBA officer's side.	1	
1510-0062	Two man bench centered on rear wall with 911 SCBA backs. Includes angled corners.	1	
1685-0033	Seating capacity tag of six occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0000	Cab interior gray. Does not include engine cover or seat color.	1	
1685-0006	Padded sun visors, driver and officer's side overhead.	1	
1685-0168	ABS Dash package. Includes center and officer side dash, lower kick panels and "A" post covers.	1	
1685-0187	Severe duty engine cover, molded polyurethane.	1	
1685-0496	ABS overhead console. Includes front full width overhead, air conditioning plenum and rear facing blower.	1	
1685-0532	Stepped profile rear engine cover.	1	
CAB ELECTRICAL OPTIONS			
1750-0013-172	Turn signal Whelen 600 LED amber arrow pair located upper headlight bezel.	1	
1750-0024-179-04	Auto-Eject receptacle inlet 20 amp located outside driver's door next to handrail with a Yellow cover.	1	
1750-0046-195	Cab Headlights. Position: lower.	1	
1750-0072-592	12 VDC (or 24VDC) electrical outlet wired battery hot. Location: driver side dash.	1	
1750-0075	English dominant main cab gauge cluster.	1	
1750-0158	Dome Lts Red/White LED. Package includes two lights mounted in the front and two mounted in the rear of the cab. White light wired through door and light assembly switch. Red light through light assembly switch.	1	
1750-0198-A31	Battery charger to be located behind driver's seat.	1	

Salescode	Extended Description	Qty	
CAB ELECTRICAL OPTIONS			
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
1750-0435	Halogen cab headlights. TyphoonX, CIIX and QST2 only.	1	
1750-0449	Momentary DPF regeneration override switch.	1	
BODY COMPT LEFT SIDE			
3100-0093	Driver side body with full height 24" wide forward and 36" wide rearward compartmentation. Includes (1) 56" wide compartment over the wheel well.	1	
BODY COMPT RIGHT SIDE			
3120-0000	Officer half side body with 24" wide forward and 36" wide rearward compartmentation. Includes adjustable ladder tracks.	1	
BODY COMPT REAR			
3110-0005	Full Height Rear Compartment. Includes smooth plate panels.	1	
3110-0034	Upper rear compartment depth to be shallow.	1	
3340-0080	Bolt-on diamond plate 18" tailboard (full width of body). Includes (2) squared off beavertails (no stanchions) with removable outer panels and handrails- (2) vertical on trailing edge of body and horizontal mounted handrail(s) below hosebed.	1	
DOORS			
3300-0007-003	Door single vertical hinged painted. Location(s): L1	1	
3300-0007-015	Door single vertical hinged painted. Location(s): R1	1	
3300-0011-004	Door single horizontal hinged lift-up box pan configuration painted. Location(s): L2	1	
3300-0289-016	Door double vertical hinged w/rotary latches - painted . Location(s): R2 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0292-005	Door double 3-point vertical hinged w/rotary latches - painted. Location(s): L3. Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0294-027	Door double 3-point vertical hinged w/rotary latches - smooth plate sanded. Location(s): B1. Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	

Salescode	Extended Description	Qty	
PUMP MODULE			
3130-0167	Pump module to be 76" wide (side to side). Includes upper, lower, crosswalk, speedlay and tranverse module(s) if applicable.	1	
3130-0523	Side mount pump module. Extruded aluminum with runningboards.	1	
3130-0532	Pump panel opening is 39" wide. Pumper / tanker only.	1	
3130-0539	Pump module height is 75". Pumper / tanker only.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0055	Officer side upper pump access panel to be horizontal hinged with stainless steel door. Includes (2) push button latches and (2) hold open devices.	1	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	
PUMP MODULE OPTIONS			
3136-0058	E-ONE logo mounted one each side on pump module/preconnect panels. Logos to be sized as applicable to available space on panels.	1	
3136-0138	Pump module storage pan.	1	
3136-0139	Crosslay double 7.5" wide each to hold up to 200' of 2.0" DJ hose (each).	1	
WATER TANK			
4010-0099	Fill tower(s) to be located offset to officer side of water tank.	1	
4010-0176	780 Gallon "T" Water Tank. UPF Poly III color fill towers. Note: Any foam cell(s) and/or storage options through the tank will reduce the overall water capacity.	1	
TANK PLUMBING			
4450-0010	2" tank fill Akron manual valve.	1	
4450-0119	3" tank to pump Akron manual valve w/4" tank connection.	1	
LADDER STORAGE / RACKS			
3365-0049	Brand of ladders capable of being carried on unit to be Alco-Lite.	1	
3365-0087-C57	The length of ladders capable of being stored shall be the following: 24' 2-section and 14' roof ladder.	1	
HANDRAILS / STEPS			
3330-0277	Innovative Controls dual lighted LED folding steps rear NFPA. Includes folding steps on driver side rear of the body. (staggered stepped as applicable with tailboard depth) for NFPA hosebed access and handrail mounted on driver side	1	

Salescode	Extended Description	Qty	
HANDRAILS / STEPS			
	upper hosebed side (as applicable).		
MISC BODY OPTIONS			
3340-0004	Hosebed above the booster tank. Includes forward hosebed and tower(s) cover plate work (as applicable). Hosebed adjustable divider extrusion rearward of the furthest tower is to run full width of the hosebed (as is practical with other hosebed mounted equipment).	1	
3340-0015	Diamond plate single axle wheel well. Includes bolt-on composite wheel well liners and aluminum trim fenderettes.	1	
3340-0035	Divider Long. To run full length of hose bed (front to rear).	1	
3340-0058	Recessed fuel fill driver side wheel well.	1	
3340-0074	Body mainframe and hosebed side assemblies for a 85" high body.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0110	The rear of each hose bed divider to have a hand hold cut-out(s).	1	
3340-0145	Rub rail for the body and pump area module(s).	1	
3340-0681	Body mainframe layout line to be 24". Includes body and all applicable modules.	1	
PUMPS			
4005-0031	Rating 1500 GPM.	1	
4005-0196	Hale QMAX 1000-2250 GPM single stage pump. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PUMP OPTIONS			
4015-0038	Pump seal packing for Hale pump.	1	
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0098	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location on pump panel.	1	
4015-0210	Pump cooler with Innovative Control 1/4 turn valve with "T" handle and label.	1	
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			

Salescode	Extended Description	Qty	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0014-581	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 1.	1	
4415-0014-582	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 2.	1	
4415-0016-583	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 1.	1	
4415-0016-584	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 2.	1	
4415-0022-350	2.5" Left Rear Discharge Akron Manual Valve. Location: left rear discharge.	1	
4415-0041	3" Deck Gun Discharge, Akron manual valve. (outlet shall terminate with MNPT threads unless extend gun is install)	1	
4417-0106-L65	Deck gun piping to be positioned centered in deck gun channel.	1	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	8	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
4417-0246	Dealer installed monitor, make and model as specified.	1	
PRESSURE GOVERNORS			
4465-0011	Class 1 TPG pressure governor. Includes, water, oil, volt and tachometer.	1	
GAUGES			
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	8	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0049	Vehicle data recorder - 2009 / 2016 NFPA compliant. Includes occupant detection	1	

Salescode	Extended Description	Qty	
ELECTRICAL SYSTEMS			
	shown in multiplex display. E-ONE chassis only.		
5010-0055-649	Vista IV display for V-MUX electrical system. Location: driver's side engine cover.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0504	Whelen MKEZ7 1.5" standard mount for front light bar (PR).	1	
5300-0506-000-4T	Front light bar LED color: Red with clear lenses (If applicable, includes side facing when colors are the same.)	1	
5300-0511	Light bar Whelen Freedom IV Model F4X7 72" with 8 LED modules. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0483-534-4U	Whelen C-Series model C6L Super LED lower level warning light package. Includes (10) light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, centered in rear wheel well, and on side of beavertail.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0015	Whelen model 295SLSA1 siren with microphone (replaced 295HFSA1).	1	
5500-0024-170	The primary electronic siren control is to be located center overhead.	1	
SPEAKERS			
5510-0049-209	Whelen SP123BMC electronic siren speaker recessed in front bumper. Location: driver side front bumper.	1	
DOT LIGHTING			
5150-0007	Whelen 600 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and halogen back-up lights with vertical Cast 3 housing and weatherproof connectors.	1	
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0025	Marker light LED body/cab package. E-One custom cab and pumper or tanker body only.	1	

Salescode	Extended Description	Qty	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0011	Compartment light package LED for small bodies.	1	
5380-0032	Ground light package LED - large.	1	
LIGHTS - DECK AND SCENE			
5390-0003	Hose bed light Truck-Lite. Locate at the front area of the hose bed. Switched with work light switch in cab.	1	
5390-0022	Crosslay light Truck-Lite. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
5390-0024-395	Deck Light - Truck-Lite (PR). Location: rear body/beavertail area on the trailing edge up high.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0010	Incandescent pump compartment light (EA).	1	
5400-0259	TecNiq model E10 pump panel LED light package with (3) lights per side pump panel. Pump panels over 45" may require additional lights. Side mount only.	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
HOSE / NOZZLES			
7700-0053	PVC suction hose 6" X 10'. LIGHTWEIGHT SUCTION ONLY HOSE	2	
GROUND LADDERS			
7800-0007	Alco-Lite PRL-14' roof ladder.	1	
7800-0016	Alco-Lite PEL-24' 2-section extension ladder.	1	
7800-0032	Alco-Lite FL-10, 10' folding ladder w/safety shoes.	1	
MISC LOOSE EQUIPMENT			
7600-0016	Wheel chocks 44" NFPA compliant, pair (PR) of Zico SAC-44. Up to 44" diameter tires. Includes mounting brackets.	1	
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0089	All applicable pump/pre-connect application modules are to have a sanded finish	1	

Salescode	Extended Description	Qty	
EXTERIOR PAINT			
	(not painted job color). Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.		
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	
8100-0176-000-17	Paint E-ONE chassis cab - Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0182-000-17	Paint Body - Small - For Pumpers, Rear Mounts, S/A Tankers/Wetsides and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0186-000-39	Paint exterior surface of outer steel wheels. Sikkens paint. Color: Job Color.	1	
INTERIOR PAINT			
8150-0011	The interior of the cab to be painted Zolatone gray.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
WARRANTY / STANDARD			
9100-0003	Lifetime Frame Stuctural Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
9100-0039	1 year full warranty.	1	
9100-0090	25 Year frame rail corrosion warranty. Includes liners (if equipped).	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0016	Approval Drawings-Standard.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	

Salescode	Extended Description	Qty	
Dealer Supplied Equipment			

ITEM #9
Rescue Pumper
Typhoon

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Typhoon Rescue Pumper
Item #9

Quotation Number: 72740 Rev: 17

Unit Description: PMPR-TYPH

Quote Description: Pumper, Typhoon Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3090-0007	Hosebed hoseload allowance on the apparatus shall be 1200 lbs.	1	
3340-1137-12C	Equipment allowance on the apparatus shall be 2500 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
BUMPERS			
1160-0000	Bumper 10" stainless steel.	1	
1160-0008	3/16" Front Bumper Gravel Shield.	1	
1160-0012	12" Front Bumper Gravel Shield Extension.	1	
FRAME ASSEMBLY			
1250-0011	Rear underbody support frame.	1	
1250-0080	Frame assembly with 10.25 x 3.5 x .375 powder coated galvanized rails.	1	
1250-0092	GEOMET coated frame assembly fasteners.	1	
AXLE OPTIONS			
1025-0017	Meritor RS-25-160 single rear axle 27,000 lb. capacity.	1	
1025-0029	Front shock absorbers.	1	
1025-0174	Meritor FL941 front axle 18,000 lb.	1	
SUSPENSIONS			
1070-0001	Rear suspension springs rated equal to the capacity of the axle.	1	

Salescode	Extended Description	Qty	
WHEEL OPTIONS			
1050-0000	Steel wheels for front axle (2).	1	
1050-0002	Steel wheels for rear axle (4).	1	
1050-0007	Front axle wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center cap with E-ONE logo. Note: Center cap will have an inspection port IPO a logo if equipped with Stemco oil seals.	1	
1050-0008	Rear axle (single) wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center cap with E-ONE logo. E-ONE custom chassis w/steel wheels will have chrome plated plastic lug covers.	1	
TIRE OPTIONS			
1060-0001	Two Michelin 315 tires model XZA-1 for front axle.	1	
1060-0016	Four Michelin 12R rear tires with XDN2 all weather tread.	1	
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
BRAKE SYSTEMS			
1100-0000	16-1/2" x 6" S-cam brakes with ArvinMeritor automatic slack adjusters for front axle.	1	
1100-0002	ArvinMeritor 16-1/2" x 7" S-cam brakes with cast brake drums for a single rear axle.	1	
1100-0005	Brake system air 4X2/4X4.	1	
1100-0006	Parking brake release mounted on the driver's side lower dash.	1	
AIR SYSTEM OPTIONS			
1110-0000-001	Inlet for air system. Location: driver door jamb.	1	
1110-0002	Air dryer Bendix AD-9.	1	
1110-0006	Air lines nylon.	1	
1110-0026	Air horns recessed in bumper (PR).	1	
ENGINES & TRANSMISSIONS			
1200-0017	Push-button transmission shift selector.	1	
1200-0020	TransSynd synthetic transmission fluid for EVS3000.	1	
1200-0097	Electronic limiting of speed to 68 MPH maximum. Note: Max speed may be set at 65 MPH due to tire rating.	1	
1200-0337	Eng/Trans Cummins L9 330HP/EVS3000 2017 EPA compliant engine.	1	
SECONDARY BRAKING			

Salescode	Extended Description	Qty	
SECONDARY BRAKING			
1125-0002	Jacobs engine compression brake.	1	
1125-0023	Transmission to seek second gear when Jacobs engine brake or Telma retarder is engaged. N/A with Trans retarder.	1	
COOLING PACKAGE			
1800-0013	Cooling system for use with Cyclone II X, Typhoon X, and Quest chassis. For use with 2010 - 2017 EPA engines. Includes coolant recovery system.	1	
FUEL SYSTEMS			
1350-0003	Fuel system 50 gallon.	1	
1350-0022	Fuel line hose rubber.	1	
ALTERNATOR			
1700-0003	Alternator Leece Neville 270 amp SAE, 240 amp NFPA rating.	1	
BATTERIES			
1400-0002	Battery four group 31 1000 CCA.	1	
CHASSIS OPTIONS			
1680-0005	Thermatic fan clutch.	1	
1680-0006	Drivelines 1710.	1	
1680-0008	Tow eyes front painted below bumper/cab (PR).	1	
1680-0011	Tow eyes rear below body, painted.	1	
1680-0250-M58	Diesel Exhaust Fluid (DEF) 5 gallon tank for 2013 / 2016 EPA engines. Location: left side below rear of cab.	1	
1680-0284	Radiator mounted power steering cooler.	1	
CAB MODEL			
1520-0013	Typhoon X medium cab with 58" CA	1	
CAB ROOF TYPE			
1615-0010	Cab roof to be "flat" (non-vista).	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
GRILLE			
1620-0004	ABS chrome plated grille.	1	

Salescode	Extended Description	Qty	
CAB DOOR OPTIONS			
1550-0003	Rear crew cab doors in the medium position.	1	
1550-0005	Driver and officer cab door windows. Include forward vent windows.	1	
1550-0011	Rear crew cab door windows. Includes manual roll-down actuation. Not available on Typhoon or CII with paddle style door latching.	1	
1550-0016	Cab door panels ABS.	1	
1550-0025	All cab doors shall have "L" style exterior latches.	1	
1550-0027	Front cab door windows to have manual actuation.	1	
1550-0038-659	(4) LED cab step area lighting. Locate each light on each cab door in the inboard position. Lights to be switched with door ajar.	1	
1550-0044	All cab door kick plates to be made from diamond plate aluminum.	1	
1550-0059-000-G6	Reflective Red/Lemon Yellow printed striping positioned in the "A" formation located on the cab door panels.	1	
1550-0077	Interior cab door locks - manual. Will have manual actuation from each respective door. Includes barrel style key lock on each exterior cab door.	1	
1550-0083	All cab exterior access doors to have CH751 keyed locks.	1	
MIRRORS			
1670-0003	Velvac 2010 mirrors. Door mounted west coast style with remote control and heat.	1	
MISC EXTERIOR CAB OPTIONS			
1550-0020	Windows cab side fixed driver's side.	1	
1550-0033	Windows cab side fixed officer's side.	1	
1675-0022	Pair of 18" handrails located just behind driver and officer front door one each side.	1	
1675-0023	Pair of 18" handrails located just behind driver and officer rear door (ALS doors if equipped) one each side.	1	
1675-0030	Mud flaps, front, black with E-ONE logo.	1	
1675-0047	Rear cab wall to be 3/16" aluminum diamond plate.	1	
1675-0202	Mounting plate for battery charger receptacle, indicator, air inlet, etc (if applicable). Plate to be removable brushed stainless steel.	1	
HVAC			
1515-0017	Air conditioning for the Typhoon X, CII X and Quest with Cummins ISC/ISL engine and radiator mounted condenser.	1	
1515-0048	Controls for heating and air conditioning shall be located in the driver side lower dash area. For use without front air bags only.	1	

Salescode	Extended Description	Qty	
SEATS			
1510-0003	Seats, Inc. brand 911 cab seats.	1	
1510-0007	Seat cover material vinyl.	1	
1510-0008	Seat color gray.	1	
1510-0038	Driver seat 911 air ride.	1	
1510-0042	Officer seat to be 911 fixed SCBA.	1	
1510-0050	Rear facing 911 seat with SCBA driver's side.	1	
1510-0053	Rear facing 911 seat with SCBA officer's side.	1	
1685-0031	Seating capacity tag of four occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0000	Cab interior gray. Does not include engine cover or seat color.	1	
1685-0006	Padded sun visors, driver and officer's side overhead.	1	
1685-0168	ABS Dash package. Includes center and officer side dash, lower kick panels and "A" post covers.	1	
1685-0187	Severe duty engine cover, molded polyurethane.	1	
1685-0496	ABS overhead console. Includes front full width overhead, air conditioning plenum and rear facing blower.	1	
1685-0532	Stepped profile rear engine cover.	1	
CAB ELECTRICAL OPTIONS			
1750-0013-172	Turn signal Whelen 600 LED amber arrow pair located upper headlight bezel.	1	
1750-0046-195	Cab Headlights. Position: lower.	1	
1750-0059-179-04	Receptacle inlet 20 amp with a Yellow cover. Location: outside driver's door next to handrail.	1	
1750-0072-592	12 VDC (or 24VDC) electrical outlet wired battery hot. Location: driver side dash.	1	
1750-0075	English dominant main cab gauge cluster.	1	
1750-0158	Dome Lts Red/White LED. Package includes two lights mounted in the front and two mounted in the rear of the cab. White light wired through door and light assembly switch. Red light through light assembly switch.	1	
1750-0198-A31	Battery charger to be located behind driver's seat.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
1750-0435	Halogen cab headlights. TyphoonX, CIIX and QST2 only.	1	
1750-0449	Momentary DPF regeneration override switch.	1	

Salescode	Extended Description	Qty	
BODY COMPT LEFT SIDE			
3100-0153	Driver side body with full height 42" wide forward and 56" wide rearward enhanced extended compartmentation. Includes (1) 56" wide compartment over the wheel well.	1	
BODY COMPT RIGHT SIDE			
3120-0283	Officer side body with full height 42" wide forward and 56" wide rearward enhanced extended compartmentation. Includes (1) 56" wide compartment over the wheel well and one (1) storage tunnel.	1	
BODY COMPT REAR			
3110-0013	Full Height Rear Compartment with Officer Side Storage Tunnel. Includes smooth plate panels and storage access door with push button latch.	1	
3110-0052	Bolt-on diamond plate tailboard (full width of rear compartment). Includes the enhanced extended side compartment frame work and handrails- (2) vertical on trailing edge of body and horizontal mounted handrail(s) below hosebed.	1	
3110-0092	Enhanced Extended Compartmentation stepped down below hosebed level. Includes embossed diamond plate compartment tops.	1	
DOORS			
3300-0017-004	Door roll up short (up to 45") with satin finish ROM. Location(s): L2.	1	
3300-0017-016	Door roll up short (up to 45") with satin finish ROM. Location(s): R2.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-005	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L3.	1	
3300-0019-015	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R1.	1	
3300-0019-017	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R3.	1	
3300-0019-027	Door roll up tall (greater than 45") with satin finish ROM. Location(s): B1.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP MODULE			
3130-0167	Pump module to be 76" wide (side to side). Includes upper, lower, crosswalk, speedlay and tranverse module(s) if applicable.	1	
3130-0523	Side mount pump module. Extruded aluminum with runningboards.	1	
3130-0532	Pump panel opening is 39" wide. Pumper / tanker only.	1	
3130-0539	Pump module height is 75". Pumper / tanker only.	1	

Salescode	Extended Description	Qty	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0055	Officer side upper pump access panel to be horizontal hinged with stainless steel door. Includes (2) push button latches and (2) hold open devices.	1	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	
PUMP MODULE OPTIONS			
3136-0058	E-ONE logo mounted one each side on pump module/preconnect panels. Logos to be sized as applicable to available space on panels.	1	
3136-0138	Pump module storage pan.	1	
3136-0139	Crosslay double 7.5" wide each to hold up to 200' of 2.0" DJ hose (each).	1	
WATER TANK			
4010-0099	Fill tower(s) to be located offset to officer side of water tank.	1	
4010-0179	1030 Gallon "R" Water Tank. UPF Poly III color fill towers. Note: Any foam cell(s) and/or storage options through the tank will reduce the overall water capacity.	1	
TANK PLUMBING			
4450-0010	2" tank fill Akron manual valve.	1	
4450-0119	3" tank to pump Akron manual valve w/4" tank connection.	1	
LADDER STORAGE / RACKS			
3365-0049	Brand of ladders capable of being carried on unit to be Alco-Lite.	1	
3365-0087-Z71	The length of ladders capable of being stored shall be the following: 24' 2-section, 14' roof ladder and 10' attic ladder w/shoes.	1	
3365-0149-O97	Storage tunnel capable of holding: (1) 2-section, (1) roof, (1) attic, (2) pike poles, (1) backboard in Officer.	1	
HANDRAILS / STEPS			
3330-0277	Innovative Controls dual lighted LED folding steps rear NFPA. Includes folding steps on driver side rear of the body. (staggered stepped as applicable with tailboard depth) for NFPA hosebed access and handrail mounted on driver side upper hosebed side (as applicable).	1	
MISC BODY OPTIONS			
3340-0004	Hosebed above the booster tank. Includes forward hosebed and tower(s) cover plate work (as applicable). Hosebed adjustable divider extrusion rearward of the furthest tower is to run full width of the hosebed (as is practical with other	1	

Salescode	Extended Description	Qty	
MISC BODY OPTIONS			
	hosebed mounted equipment).		
3340-0015	Diamond plate single axle wheel well. Includes bolt-on composite wheel well liners and aluminum trim fenderettes.	1	
3340-0035	Divider Long. To run full length of hose bed (front to rear).	1	
3340-0058	Recessed fuel fill driver side wheel well.	1	
3340-0075	Body mainframe and hosebed side assemblies for a 90" high body.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0110	The rear of each hose bed divider to have a hand hold cut-out(s).	1	
3340-0145	Rub rail for the body and pump area module(s).	1	
3340-0681	Body mainframe layout line to be 24". Includes body and all applicable modules.	1	
PUMPS			
4005-0030	Rating 1250 GPM	1	
4005-0195	Hale QFLO 750-1250 GPM pump, single stage. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PUMP OPTIONS			
4015-0029	Hale pressure relief valve.	1	
4015-0037	Engine throttle, vernier.	1	
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0098	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location on pump panel.	1	
4015-0210	Pump cooler with Innovative Control 1/4 turn valve with "T" handle and label.	1	
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	

Salescode	Extended Description	Qty	
DISCHARGES AND PRECONNECTS			
4415-0014-581	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 1.	1	
4415-0014-582	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 2.	1	
4415-0016-583	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 1.	1	
4415-0022-350	2.5" Left Rear Discharge Akron Manual Valve. Location: left rear discharge.	1	
4415-0041	3" Deck Gun Discharge, Akron manual valve. (outlet shall terminate with MNPT threads unless extend gun is install)	1	
4417-0106-L65	Deck gun piping to be positioned centered in deck gun channel.	1	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	7	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
4417-0246	Dealer installed monitor, make and model as specified.	1	
GAUGES			
4435-0069	Class 1 ENFO IV system on pump operator's panel.	1	
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	7	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0049	Vehicle data recorder - 2009 / 2016 NFPA compliant. Includes occupant detection shown in multiplex display. E-ONE chassis only.	1	
5010-0055-649	Vista IV display for V-MUX electrical system. Location: driver's side engine cover.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0504	Whelen MKEZ7 1.5" standard mount for front light bar (PR).	1	

Salescode	Extended Description	Qty	
LIGHT BARS			
5300-0506-000-4T	Front light bar LED color: Red with clear lenses (If applicable, includes side facing when colors are the same.)	1	
5300-0511	Light bar Whelen Freedom IV Model F4X7 72" with 8 LED modules. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0484-535-4U	Whelen Super LED lower level warning light package. Includes (8) C-Series model C6L light heads and (2) ION-T Series model TLI light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, centered in rear wheel well, and side facing at rear of body in rubrail if equipped. Note: ION-T Series light only available with clear lenses.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0015	Whelen model 295SLSA1 siren with microphone (replaced 295HFSA1).	1	
5500-0024-170	The primary electronic siren control is to be located center overhead.	1	
SPEAKERS			
5510-0049-209	Whelen SP123BMC electronic siren speaker recessed in front bumper. Location: driver side front bumper.	1	
DOT LIGHTING			
5150-0007	Whelen 600 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and halogen back-up lights with vertical Cast 3 housing and weatherproof connectors.	1	
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0025	Marker light LED body/cab package. E-One custom cab and pumper or tanker body only.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0012	Compartment light package Truck-Lite LED for medium bodies.	1	
5380-0032	Ground light package LED - large.	1	
LIGHTS - DECK AND SCENE			
5390-0003	Hose bed light Truck-Lite. Locate at the front area of the hose bed. Switched	1	

Salescode	Extended Description	Qty	
LIGHTS - DECK AND SCENE			
	with work light switch in cab.		
5390-0022	Crosslay light Truck-Lite. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
5390-0024-395	Deck Light - Truck-Lite (PR). Location: rear body/beavertail area on the trailing edge up high.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0010	Incandescent pump compartment light (EA).	1	
5400-0259	TecNiq model E10 pump panel LED light package with (3) lights per side pump panel. Pump panels over 45" may require additional lights. Side mount only.	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
HOSE / NOZZLES			
7700-0053	PVC suction hose 6" X 10'. LIGHTWEIGHT SUCTION ONLY HOSE	2	
GROUND LADDERS			
7800-0007	Alco-Lite PRL-14' roof ladder.	1	
7800-0016	Alco-Lite PEL-24' 2-section extension ladder.	1	
7800-0032	Alco-Lite FL-10, 10' folding ladder w/safety shoes.	1	
MISC LOOSE EQUIPMENT			
7600-0016	Wheel chocks 44" NFPA compliant, pair (PR) of Zico SAC-44. Up to 44" diameter tires. Includes mounting brackets.	1	
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0089	All applicable pump/pre-connect application modules are to have a sanded finish (not painted job color). Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.	1	
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	

Salescode	Extended Description	Qty	
EXTERIOR PAINT			
8100-0176-000-17	Paint E-ONE chassis cab - Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0182-000-17	Paint Body - Small - For Pumpers, Rear Mounts, S/A Tankers/Wetsides and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0186-000-39	Paint exterior surface of outer steel wheels. Sikkens paint. Color: Job Color.	1	
INTERIOR PAINT			
8150-0011	The interior of the cab to be painted Zolatone gray.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
WARRANTY / STANDARD			
9100-0003	Lifetime Frame Stuctural Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
9100-0039	1 year full warranty.	1	
9100-0090	25 Year frame rail corrosion warranty. Includes liners (if equipped).	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0016	Approval Drawings-Standard.	1	
9300-0040	As built electrical drawings.	1	
9300-0041	As built plumbing drawings.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	

Salescode	Extended Description	Qty	
Dealer Supplied Equipment			

ITEM #10
Rescue Pumper
Cyclone II

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Cyclone II Rescue Pumper
Item #10

Quotation Number: 72741 Rev: 10

Unit Description: PMPR-CYC2

Quote Description: Pumper, Cyclone II Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3090-0007	Hosebed hoseload allowance on the apparatus shall be 1200 lbs.	1	
3340-1137-12C	Equipment allowance on the apparatus shall be 2500 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
BUMPERS			
1160-0000	Bumper 10" stainless steel.	1	
1160-0008	3/16" Front Bumper Gravel Shield.	1	
1160-0012	12" Front Bumper Gravel Shield Extension.	1	
FRAME ASSEMBLY			
1250-0011	Rear underbody support frame.	1	
1250-0080	Frame assembly with 10.25 x 3.5 x .375 powder coated galvanized rails.	1	
1250-0092	GEOMET coated frame assembly fasteners.	1	
AXLE OPTIONS			
1025-0017	Meritor RS-25-160 single rear axle 27,000 lb. capacity.	1	
1025-0029	Front shock absorbers.	1	
1025-0174	Meritor FL941 front axle 18,000 lb.	1	
SUSPENSIONS			
1070-0001	Rear suspension springs rated equal to the capacity of the axle.	1	

Salescode	Extended Description	Qty	
WHEEL OPTIONS			
1050-0000	Steel wheels for front axle (2).	1	
1050-0002	Steel wheels for rear axle (4).	1	
1050-0007	Front axle wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center cap with E-ONE logo. Note: Center cap will have an inspection port IPO a logo if equipped with Stemco oil seals.	1	
1050-0008	Rear axle (single) wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center cap with E-ONE logo. E-ONE custom chassis w/steel wheels will have chrome plated plastic lug covers.	1	
TIRE OPTIONS			
1060-0001	Two Michelin 315 tires model XZA-1 for front axle.	1	
1060-0016	Four Michelin 12R rear tires with XDN2 all weather tread.	1	
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
BRAKE SYSTEMS			
1100-0000	16-1/2" x 6" S-cam brakes with ArvinMeritor automatic slack adjusters for front axle.	1	
1100-0002	ArvinMeritor 16-1/2" x 7" S-cam brakes with cast brake drums for a single rear axle.	1	
1100-0005	Brake system air 4X2/4X4.	1	
1100-0006	Parking brake release mounted on the driver's side lower dash.	1	
AIR SYSTEM OPTIONS			
1110-0000-001	Inlet for air system. Location: driver door jamb.	1	
1110-0002	Air dryer Bendix AD-9.	1	
1110-0006	Air lines nylon.	1	
1110-0026	Air horns recessed in bumper (PR).	1	
ENGINES & TRANSMISSIONS			
1200-0017	Push-button transmission shift selector.	1	
1200-0020	TransSynd synthetic transmission fluid for EVS3000.	1	
1200-0097	Electronic limiting of speed to 68 MPH maximum. Note: Max speed may be set at 65 MPH due to tire rating.	1	
1200-0340	Eng/Trans Cummins L9 400HP/EVS3000 2017 EPA compliant engine.	1	
SECONDARY BRAKING			

Salescode	Extended Description	Qty	
SECONDARY BRAKING			
1125-0002	Jacobs engine compression brake.	1	
1125-0023	Transmission to seek second gear when Jacobs engine brake or Telma retarder is engaged. N/A with Trans retarder.	1	
COOLING PACKAGE			
1800-0013	Cooling system for use with Cyclone II X, Typhoon X, and Quest chassis. For use with 2010 - 2017 EPA engines. Includes coolant recovery system.	1	
FUEL SYSTEMS			
1350-0003	Fuel system 50 gallon.	1	
1350-0022	Fuel line hose rubber.	1	
ALTERNATOR			
1700-0003	Alternator Leece Neville 270 amp SAE, 240 amp NFPA rating.	1	
BATTERIES			
1400-0002	Battery four group 31 1000 CCA.	1	
CHASSIS OPTIONS			
1680-0005	Thermatic fan clutch.	1	
1680-0006	Drivelines 1710.	1	
1680-0008	Tow eyes front painted below bumper/cab (PR).	1	
1680-0011	Tow eyes rear below body, painted.	1	
1680-0250-M58	Diesel Exhaust Fluid (DEF) 5 gallon tank for 2013 / 2016 EPA engines. Location: left side below rear of cab.	1	
1680-0284	Radiator mounted power steering cooler.	1	
CAB MODEL			
1520-0010	Cyclone II X long cab with 67.5" CA	1	
CAB ROOF TYPE			
1615-0010	Cab roof to be "flat" (non-vista).	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
CAB DOOR OPTIONS			
1550-0003	Rear crew cab doors in the medium position.	1	

Salescode	Extended Description	Qty	
CAB DOOR OPTIONS			
1550-0005	Driver and officer cab door windows. Include forward vent windows.	1	
1550-0011	Rear crew cab door windows. Includes manual roll-down actuation. Not available on Typhoon or CII with paddle style door latching.	1	
1550-0016	Cab door panels ABS.	1	
1550-0025	All cab doors shall have "L" style exterior latches.	1	
1550-0027	Front cab door windows to have manual actuation.	1	
1550-0038-659	(4) LED cab step area lighting. Locate each light on each cab door in the inboard position. Lights to be switched with door ajar.	1	
1550-0044	All cab door kick plates to be made from diamond plate aluminum.	1	
1550-0059-000-G6	Reflective Red/Lemon Yellow printed striping positioned in the "A" formation located on the cab door panels.	1	
1550-0077	Interior cab door locks - manual. Will have manual actuation from each respective door. Includes barrel style key lock on each exterior cab door.	1	
1550-0083	All cab exterior access doors to have CH751 keyed locks.	1	
MIRRORS			
1670-0003	Velvac 2010 mirrors. Door mounted west coast style with remote control and heat.	1	
MISC EXTERIOR CAB OPTIONS			
1550-0020	Windows cab side fixed driver's side.	1	
1550-0033	Windows cab side fixed officer's side.	1	
1675-0022	Pair of 18" handrails located just behind driver and officer front door one each side.	1	
1675-0023	Pair of 18" handrails located just behind driver and officer rear door (ALS doors if equipped) one each side.	1	
1675-0030	Mud flaps, front, black with E-ONE logo.	1	
1675-0046	Rear cab wall to be smooth 3/16" aluminum plate. Cab wall to be finish painted to match the cab paint scheme.	1	
1675-0202	Mounting plate for battery charger receptacle, indicator, air inlet, etc (if applicable). Plate to be removable brushed stainless steel.	1	
HVAC			
1515-0017	Air conditioning for the Typhoon X, CII X and Quest with Cummins ISC/ISL engine and radiator mounted condenser.	1	
1515-0053	Controls for heating and air conditioning shall be located in the center dash area. (Lower area on Typhoon and CII with severe duty dash)	1	

Salescode	Extended Description	Qty	
SEATS			
1510-0003	Seats, Inc. brand 911 cab seats.	1	
1510-0007	Seat cover material vinyl.	1	
1510-0008	Seat color gray.	1	
1510-0038	Driver seat 911 air ride.	1	
1510-0042	Officer seat to be 911 fixed SCBA.	1	
1510-0050	Rear facing 911 seat with SCBA driver's side.	1	
1510-0053	Rear facing 911 seat with SCBA officer's side.	1	
1685-0031	Seating capacity tag of four occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0000	Cab interior gray. Does not include engine cover or seat color.	1	
1685-0006	Padded sun visors, driver and officer's side overhead.	1	
1685-0168	ABS Dash package. Includes center and officer side dash, lower kick panels and "A" post covers.	1	
1685-0187	Severe duty engine cover, molded polyurethane.	1	
1685-0496	ABS overhead console. Includes front full width overhead, air conditioning plenum and rear facing blower.	1	
1685-0532	Stepped profile rear engine cover.	1	
CAB ELECTRICAL OPTIONS			
1750-0013-172	Turn signal Whelen 600 LED amber arrow pair located upper headlight bezel.	1	
1750-0046-195	Cab Headlights. Position: lower.	1	
1750-0059-179-04	Receptacle inlet 20 amp with a Yellow cover. Location: outside driver's door next to handrail.	1	
1750-0072-592	12 VDC (or 24VDC) electrical outlet wired battery hot. Location: driver side dash.	1	
1750-0075	English dominant main cab gauge cluster.	1	
1750-0158	Dome Lts Red/White LED. Package includes two lights mounted in the front and two mounted in the rear of the cab. White light wired through door and light assembly switch. Red light through light assembly switch.	1	
1750-0198-A31	Battery charger to be located behind driver's seat.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
1750-0435	Halogen cab headlights. TyphoonX, CIIX and QST2 only.	1	
1750-0449	Momentary DPF regeneration override switch.	1	

Salescode	Extended Description	Qty	
BODY COMPT LEFT SIDE			
3100-0153	Driver side body with full height 42" wide forward and 56" wide rearward enhanced extended compartmentation. Includes (1) 56" wide compartment over the wheel well.	1	
BODY COMPT RIGHT SIDE			
3120-0283	Officer side body with full height 42" wide forward and 56" wide rearward enhanced extended compartmentation. Includes (1) 56" wide compartment over the wheel well and one (1) storage tunnel.	1	
BODY COMPT REAR			
3110-0013	Full Height Rear Compartment with Officer Side Storage Tunnel. Includes smooth plate panels and storage access door with push button latch.	1	
3110-0052	Bolt-on diamond plate tailboard (full width of rear compartment). Includes the enhanced extended side compartment frame work and handrails- (2) vertical on trailing edge of body and horizontal mounted handrail(s) below hosebed.	1	
3110-0092	Enhanced Extended Compartmentation stepped down below hosebed level. Includes embossed diamond plate compartment tops.	1	
DOORS			
3300-0017-004	Door roll up short (up to 45") with satin finish ROM. Location(s): L2.	1	
3300-0017-016	Door roll up short (up to 45") with satin finish ROM. Location(s): R2.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-005	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L3.	1	
3300-0019-015	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R1.	1	
3300-0019-017	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R3.	1	
3300-0019-027	Door roll up tall (greater than 45") with satin finish ROM. Location(s): B1.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP MODULE			
3130-0167	Pump module to be 76" wide (side to side). Includes upper, lower, crosswalk, speedlay and tranverse module(s) if applicable.	1	
3130-0523	Side mount pump module. Extruded aluminum with runningboards.	1	
3130-0532	Pump panel opening is 39" wide. Pumper / tanker only.	1	
3130-0539	Pump module height is 75". Pumper / tanker only.	1	

Salescode	Extended Description	Qty	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0055	Officer side upper pump access panel to be horizontal hinged with stainless steel door. Includes (2) push button latches and (2) hold open devices.	1	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	
PUMP MODULE OPTIONS			
3136-0058	E-ONE logo mounted one each side on pump module/preconnect panels. Logos to be sized as applicable to available space on panels.	1	
3136-0138	Pump module storage pan.	1	
3136-0139	Crosslay double 7.5" wide each to hold up to 200' of 2.0" DJ hose (each).	1	
WATER TANK			
4010-0099	Fill tower(s) to be located offset to officer side of water tank.	1	
4010-0179	1030 Gallon "R" Water Tank. UPF Poly III color fill towers. Note: Any foam cell(s) and/or storage options through the tank will reduce the overall water capacity.	1	
TANK PLUMBING			
4450-0010	2" tank fill Akron manual valve.	1	
4450-0119	3" tank to pump Akron manual valve w/4" tank connection.	1	
LADDER STORAGE / RACKS			
3365-0049	Brand of ladders capable of being carried on unit to be Alco-Lite.	1	
3365-0087-Z71	The length of ladders capable of being stored shall be the following: 24' 2-section, 14' roof ladder and 10' attic ladder w/shoes.	1	
3365-0149-O97	Storage tunnel capable of holding: (1) 2-section, (1) roof, (1) attic, (2) pike poles, (1) backboard in Officer.	1	
HANDRAILS / STEPS			
3330-0277	Innovative Controls dual lighted LED folding steps rear NFPA. Includes folding steps on driver side rear of the body. (staggered stepped as applicable with tailboard depth) for NFPA hosebed access and handrail mounted on driver side upper hosebed side (as applicable).	1	
MISC BODY OPTIONS			
3340-0004	Hosebed above the booster tank. Includes forward hosebed and tower(s) cover plate work (as applicable). Hosebed adjustable divider extrusion rearward of the furthest tower is to run full width of the hosebed (as is practical with other	1	

Salescode	Extended Description	Qty	
MISC BODY OPTIONS			
	hosebed mounted equipment).		
3340-0015	Diamond plate single axle wheel well. Includes bolt-on composite wheel well liners and aluminum trim fenderettes.	1	
3340-0035	Divider Long. To run full length of hose bed (front to rear).	1	
3340-0058	Recessed fuel fill driver side wheel well.	1	
3340-0075	Body mainframe and hosebed side assemblies for a 90" high body.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0110	The rear of each hose bed divider to have a hand hold cut-out(s).	1	
3340-0145	Rub rail for the body and pump area module(s).	1	
3340-0681	Body mainframe layout line to be 24". Includes body and all applicable modules.	1	
PUMPS			
4005-0031	Rating 1500 GPM.	1	
4005-0196	Hale QMAX 1000-2250 GPM single stage pump. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PUMP OPTIONS			
4015-0029	Hale pressure relief valve.	1	
4015-0037	Engine throttle, vernier.	1	
4015-0038	Pump seal packing for Hale pump.	1	
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0098	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location on pump panel.	1	
4015-0210	Pump cooler with Innovative Control 1/4 turn valve with "T" handle and label.	1	
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			

Salescode	Extended Description	Qty	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0014-581	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 1.	1	
4415-0014-582	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 2.	1	
4415-0016-583	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 1.	1	
4415-0016-584	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 2.	1	
4415-0022-350	2.5" Left Rear Discharge Akron Manual Valve. Location: left rear discharge.	1	
4415-0041	3" Deck Gun Discharge, Akron manual valve. (outlet shall terminate with MNPT threads unless extend gun is install)	1	
4417-0106-L65	Deck gun piping to be positioned centered in deck gun channel.	1	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	8	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
4417-0246	Dealer installed monitor, make and model as specified.	1	
GAUGES			
4435-0069	Class 1 ENFO IV system on pump operator's panel.	1	
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	8	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0049	Vehicle data recorder - 2009 / 2016 NFPA compliant. Includes occupant detection shown in multiplex display. E-ONE chassis only.	1	
5010-0055-649	Vista IV display for V-MUX electrical system. Location: driver's side engine cover.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	

Salescode	Extended Description	Qty	
LIGHT BARS			
5300-0504	Whelen MKEZ7 1.5" standard mount for front light bar (PR).	1	
5300-0506-000-4T	Front light bar LED color: Red with clear lenses (If applicable, includes side facing when colors are the same.)	1	
5300-0511	Light bar Whelen Freedom IV Model F4X7 72" with 8 LED modules. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0484-535-4U	Whelen Super LED lower level warning light package. Includes (8) C-Series model C6L light heads and (2) ION-T Series model TLI light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, centered in rear wheel well, and side facing at rear of body in rubrail if equipped. Note: ION-T Series light only available with clear lenses.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0015	Whelen model 295SLSA1 siren with microphone (replaced 295HFSA1).	1	
5500-0024-170	The primary electronic siren control is to be located center overhead.	1	
SPEAKERS			
5510-0049-209	Whelen SP123BMC electronic siren speaker recessed in front bumper. Location: driver side front bumper.	1	
DOT LIGHTING			
5150-0007	Whelen 600 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and halogen back-up lights with vertical Cast 3 housing and weatherproof connectors.	1	
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0025	Marker light LED body/cab package. E-One custom cab and pumper or tanker body only.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0012	Compartment light package Truck-Lite LED for medium bodies.	1	
5380-0032	Ground light package LED - large.	1	
LIGHTS - DECK AND SCENE			

Salescode	Extended Description	Qty	
LIGHTS - DECK AND SCENE			
5390-0003	Hose bed light Truck-Lite. Locate at the front area of the hose bed. Switched with work light switch in cab.	1	
5390-0022	Crosslay light Truck-Lite. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
5390-0024-395	Deck Light - Truck-Lite (PR). Location: rear body/beavertail area on the trailing edge up high.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0010	Incandescent pump compartment light (EA).	1	
5400-0259	TecNiq model E10 pump panel LED light package with (3) lights per side pump panel. Pump panels over 45" may require additional lights. Side mount only.	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
HOSE / NOZZLES			
7700-0053	PVC suction hose 6" X 10'. LIGHTWEIGHT SUCTION ONLY HOSE	2	
GROUND LADDERS			
7800-0007	Alco-Lite PRL-14' roof ladder.	1	
7800-0016	Alco-Lite PEL-24' 2-section extension ladder.	1	
7800-0032	Alco-Lite FL-10, 10' folding ladder w/safety shoes.	1	
MISC LOOSE EQUIPMENT			
7600-0016	Wheel chocks 44" NFPA compliant, pair (PR) of Zico SAC-44. Up to 44" diameter tires. Includes mounting brackets.	1	
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0089	All applicable pump/pre-connect application modules are to have a sanded finish (not painted job color). Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.	1	
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes	1	

Salescode	Extended Description	Qty	
EXTERIOR PAINT			
	hinged doors that do not have discrete sales codes and removable panels.		
8100-0176-000-17	Paint E-ONE chassis cab - Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0182-000-17	Paint Body - Small - For Pumpers, Rear Mounts, S/A Tankers/Wetsides and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0186-000-39	Paint exterior surface of outer steel wheels. Sikkens paint. Color: Job Color.	1	
INTERIOR PAINT			
8150-0011	The interior of the cab to be painted Zolatone gray.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
WARRANTY / STANDARD			
9100-0003	Lifetime Frame Stuctural Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
9100-0039	1 year full warranty.	1	
9100-0090	25 Year frame rail corrosion warranty. Includes liners (if equipped).	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0016	Approval Drawings-Standard.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	
Dealer Supplied Equipment			

ITEM #11
Pumper/Tanker
Typhoon

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Typhoon Pumper/Tanker
Item #11

Quotation Number: 72744 Rev: 10

Unit Description: PMPR-TYPH

Quote Description: Pumper, Typhoon Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3090-0007	Hosebed hoseload allowance on the apparatus shall be 1200 lbs.	1	
3340-1137-12B	Equipment allowance on the apparatus shall be 2000 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
BUMPERS			
1160-0000	Bumper 10" stainless steel.	1	
1160-0008	3/16" Front Bumper Gravel Shield.	1	
1160-0012	12" Front Bumper Gravel Shield Extension.	1	
1160-0020	License plate holder mounted center of front bumper.	1	
FRAME ASSEMBLY			
1250-0080	Frame assembly with 10.25 x 3.5 x .375 powder coated galvanized rails.	1	
1250-0092	GEOMET coated frame assembly fasteners.	1	
AXLE OPTIONS			
1025-0018	Meritor RS-30-185 single rear axle 31,000 lb. capacity.	1	
1025-0029	Front shock absorbers.	1	
1025-0174	Meritor FL941 front axle 18,000 lb.	1	
SUSPENSIONS			
1070-0012	Reyco rear suspension springs rated equal to the capacity of the axle.	1	

Salescode	Extended Description	Qty	
WHEEL OPTIONS			
1050-0000	Steel wheels for front axle (2).	1	
1050-0002	Steel wheels for rear axle (4).	1	
TIRE OPTIONS			
1060-0001	Two Michelin 315 tires model XZA-1 for front axle.	1	
1060-0017	Four Michelin 315 rear tires with XDN2 all weather tread.	1	
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
BRAKE SYSTEMS			
1100-0000	16-1/2" x 6" S-cam brakes with ArvinMeritor automatic slack adjusters for front axle.	1	
1100-0002	ArvinMeritor 16-1/2" x 7" S-cam brakes with cast brake drums for a single rear axle.	1	
1100-0005	Brake system air 4X2/4X4.	1	
1100-0006	Parking brake release mounted on the driver's side lower dash.	1	
AIR SYSTEM OPTIONS			
1110-0000-001	Inlet for air system. Location: driver door jamb.	1	
1110-0002	Air dryer Bendix AD-9.	1	
1110-0006	Air lines nylon.	1	
1110-0026	Air horns recessed in bumper (PR).	1	
ENGINES & TRANSMISSIONS			
1200-0017	Push-button transmission shift selector.	1	
1200-0020	TransSynd synthetic transmission fluid for EVS3000.	1	
1200-0096	Electronic speed limiting set at 60 MPH.	1	
1200-0337	Eng/Trans Cummins L9 330HP/EVS3000 2017 EPA compliant engine.	1	
SECONDARY BRAKING			
1125-0002	Jacobs engine compression brake.	1	
1125-0023	Transmission to seek second gear when Jacobs engine brake or Telma retarder is engaged. N/A with Trans retarder.	1	
COOLING PACKAGE			
1800-0013	Cooling system for use with Cyclone II X, Typhoon X, and Quest chassis. For use with 2010 - 2017 EPA engines. Includes coolant recovery system.	1	

Salescode	Extended Description	Qty	
FUEL SYSTEMS			
1350-0003	Fuel system 50 gallon.	1	
1350-0022	Fuel line hose rubber.	1	
ALTERNATOR			
1700-0003	Alternator Leece Neville 270 amp SAE, 240 amp NFPA rating.	1	
BATTERIES			
1400-0002	Battery four group 31 1000 CCA.	1	
CHASSIS OPTIONS			
1680-0005	Thermatic fan clutch.	1	
1680-0006	Drivelines 1710.	1	
1680-0008	Tow eyes front painted below bumper/cab (PR).	1	
1680-0011	Tow eyes rear below body, painted.	1	
1680-0250-M58	Diesel Exhaust Fluid (DEF) 5 gallon tank for 2013 / 2016 EPA engines. Location: left side below rear of cab.	1	
1680-0284	Radiator mounted power steering cooler.	1	
CAB MODEL			
1520-0013	Typhoon X medium cab with 58" CA	1	
CAB ROOF TYPE			
1615-0010	Cab roof to be "flat" (non-vista).	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
GRILLE			
1620-0004	ABS chrome plated grille.	1	
CAB DOOR OPTIONS			
1550-0003	Rear crew cab doors in the medium position.	1	
1550-0005	Driver and officer cab door windows. Include forward vent windows.	1	
1550-0011	Rear crew cab door windows. Includes manual roll-down actuation. Not available on Typhoon or CII with paddle style door latching.	1	
1550-0016	Cab door panels ABS.	1	
1550-0025	All cab doors shall have "L" style exterior latches.	1	

Salescode	Extended Description	Qty	
CAB DOOR OPTIONS			
1550-0027	Front cab door windows to have manual actuation.	1	
1550-0038-659	(4) LED cab step area lighting. Locate each light on each cab door in the inboard position. Lights to be switched with door ajar.	1	
1550-0044	All cab door kick plates to be made from diamond plate aluminum.	1	
1550-0059-000-G6	Reflective Red/Lemon Yellow printed striping positioned in the "A" formation located on the cab door panels.	1	
1550-0077	Interior cab door locks - manual. Will have manual actuation from each respective door. Includes barrel style key lock on each exterior cab door.	1	
1550-0083	All cab exterior access doors to have CH751 keyed locks.	1	
MIRRORS			
1670-0003	Velvac 2010 mirrors. Door mounted west coast style with remote control and heat.	1	
MISC EXTERIOR CAB OPTIONS			
1550-0020	Windows cab side fixed driver's side.	1	
1550-0033	Windows cab side fixed officer's side.	1	
1675-0022	Pair of 18" handrails located just behind driver and officer front door one each side.	1	
1675-0023	Pair of 18" handrails located just behind driver and officer rear door (ALS doors if equipped) one each side.	1	
1675-0030	Mud flaps, front, black with E-ONE logo.	1	
1675-0047	Rear cab wall to be 3/16" aluminum diamond plate.	1	
1675-0202	Mounting plate for battery charger receptacle, indicator, air inlet, etc (if applicable). Plate to be removable brushed stainless steel.	1	
HVAC			
1515-0017	Air conditioning for the Typhoon X, CII X and Quest with Cummins ISC/ISL engine and radiator mounted condenser.	1	
1515-0053	Controls for heating and air conditioning shall be located in the center dash area. (Lower area on Typhoon and CII with severe duty dash)	1	
SEATS			
1510-0003	Seats, Inc. brand 911 cab seats.	1	
1510-0007	Seat cover material vinyl.	1	
1510-0008	Seat color gray.	1	
1510-0035-147	Universal air pack bottle bracket (EA). Location: officer's seat.	1	

Salescode	Extended Description	Qty	
SEATS			
1510-0035-148	Universal air pack bottle bracket (EA). Location: rear facing driver's side.	1	
1510-0035-151	Universal air pack bottle bracket (EA). Location: inboard driver's side rear wall.	1	
1510-0035-152	Universal air pack bottle bracket (EA). Location: inboard officer's side rear wall.	1	
1510-0035-215	Universal air pack bottle bracket (EA). Location: rear facing officer's side.	1	
1510-0038	Driver seat 911 air ride.	1	
1510-0042	Officer seat to be 911 fixed SCBA.	1	
1510-0050	Rear facing 911 seat with SCBA driver's side.	1	
1510-0053	Rear facing 911 seat with SCBA officer's side.	1	
1510-0062	Two man bench centered on rear wall with 911 SCBA backs. Includes angled corners.	1	
1685-0033	Seating capacity tag of six occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0000	Cab interior gray. Does not include engine cover or seat color.	1	
1685-0006	Padded sun visors, driver and officer's side overhead.	1	
1685-0168	ABS Dash package. Includes center and officer side dash, lower kick panels and "A" post covers.	1	
1685-0187	Severe duty engine cover, molded polyurethane.	1	
1685-0496	ABS overhead console. Includes front full width overhead, air conditioning plenum and rear facing blower.	1	
1685-0532	Stepped profile rear engine cover.	1	
CAB ELECTRICAL OPTIONS			
1750-0013-172	Turn signal Whelen 600 LED amber arrow pair located upper headlight bezel.	1	
1750-0024-179-04	Auto-Eject receptacle inlet 20 amp located outside driver's door next to handrail with a Yellow cover.	1	
1750-0046-195	Cab Headlights. Position: lower.	1	
1750-0072-592	12 VDC (or 24VDC) electrical outlet wired battery hot. Location: driver side dash.	1	
1750-0075	English dominant main cab gauge cluster.	1	
1750-0158	Dome Lts Red/White LED. Package includes two lights mounted in the front and two mounted in the rear of the cab. White light wired through door and light assembly switch. Red light through light assembly switch.	1	
1750-0198-A31	Battery charger to be located behind driver's seat.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	

Salescode	Extended Description	Qty	
CAB ELECTRICAL OPTIONS			
1750-0435	Halogen cab headlights. TyphoonX, CIIX and QST2 only.	1	
1750-0449	Momentary DPF regeneration override switch.	1	
BODY COMPT LEFT SIDE			
3100-0128	Driver side body with full height 60" wide forward and 42" wide rearward compartmentation. Includes (1) 56" wide compartment over the wheel well.	1	
BODY COMPT RIGHT SIDE			
3120-0123	Officer half side body with 60" wide forward and 42" wide rearward compartmentation. Includes adjustable ladder tracks.	1	
BODY COMPT REAR			
3110-0005	Full Height Rear Compartment. Includes smooth plate panels.	1	
3110-0034	Upper rear compartment depth to be shallow.	1	
3340-0080	Bolt-on diamond plate 18" tailboard (full width of body). Includes (2) squared off beavertails (no stanchions) with removable outer panels and handrails- (2) vertical on trailing edge of body and horizontal mounted handrail(s) below hosebed.	1	
DOORS			
3300-0011-004	Door single horizontal hinged lift-up box pan configuration painted. Location(s): L2	1	
3300-0289-015	Door double vertical hinged w/rotary latches - painted . Location(s): R1 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-016	Door double vertical hinged w/rotary latches - painted . Location(s): R2 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0292-003	Door double 3-point vertical hinged w/rotary latches - painted. Location(s): L1. Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0292-005	Door double 3-point vertical hinged w/rotary latches - painted. Location(s): L3. Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0294-027	Door double 3-point vertical hinged w/rotary latches - smooth plate sanded. Location(s): B1. Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
COVERS			

Salescode	Extended Description	Qty	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP MODULE			
3130-0167	Pump module to be 76" wide (side to side). Includes upper, lower, crosswalk, speedlay and tranverse module(s) if applicable.	1	
3130-0523	Side mount pump module. Extruded aluminum with runningboards.	1	
3130-0532	Pump panel opening is 39" wide. Pumper / tanker only.	1	
3130-0539	Pump module height is 75". Pumper / tanker only.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0055	Officer side upper pump access panel to be horizontal hinged with stainless steel door. Includes (2) push button latches and (2) hold open devices.	1	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	
PUMP MODULE OPTIONS			
3136-0058	E-ONE logo mounted one each side on pump module/preconnect panels. Logos to be sized as applicable to available space on panels.	1	
3136-0138	Pump module storage pan.	1	
3136-0139	Crosslay double 7.5" wide each to hold up to 200' of 2.0" DJ hose (each).	1	
WATER TANK			
4010-0099	Fill tower(s) to be located offset to officer side of water tank.	1	
4010-0182	1530 Gallon "T" Water Tank. UPF Poly III color fill towers. Note: Any foam cell(s) and/or storage options through the tank will reduce the overall water capacity.	1	
TANK PLUMBING			
4450-0010	2" tank fill Akron manual valve.	1	
4450-0119	3" tank to pump Akron manual valve w/4" tank connection.	1	
LADDER STORAGE / RACKS			
3365-0049	Brand of ladders capable of being carried on unit to be Alco-Lite.	1	
3365-0087-C57	The length of ladders capable of being stored shall be the following: 24' 2-section and 14' roof ladder.	1	

Salescode	Extended Description	Qty	
HANDRAILS / STEPS			
3330-0277	Innovative Controls dual lighted LED folding steps rear NFPA. Includes folding steps on driver side rear of the body. (staggered stepped as applicable with tailboard depth) for NFPA hosebed access and handrail mounted on driver side upper hosebed side (as applicable).	1	
MISC BODY OPTIONS			
3340-0004	Hosebed above the booster tank. Includes forward hosebed and tower(s) cover plate work (as applicable). Hosebed adjustable divider extrusion rearward of the furthest tower is to run full width of the hosebed (as is practical with other hosebed mounted equipment).	1	
3340-0015	Diamond plate single axle wheel well. Includes bolt-on composite wheel well liners and aluminum trim fenderettes.	1	
3340-0035	Divider Long. To run full length of hose bed (front to rear).	1	
3340-0058	Recessed fuel fill driver side wheel well.	1	
3340-0075	Body mainframe and hosebed side assemblies for a 90" high body.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0110	The rear of each hose bed divider to have a hand hold cut-out(s).	1	
3340-0145	Rub rail for the body and pump area module(s).	1	
3340-0681	Body mainframe layout line to be 24". Includes body and all applicable modules.	1	
PUMPS			
4005-0030	Rating 1250 GPM	1	
4005-0195	Hale QFLO 750-1250 GPM pump, single stage. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PUMP OPTIONS			
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0098	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location on pump panel.	1	
4015-0210	Pump cooler with Innovative Control 1/4 turn valve with "T" handle and label.	1	
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			

Salescode	Extended Description	Qty	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0022-350	2.5" Left Rear Discharge Akron Manual Valve. Location: left rear discharge.	1	
4415-0041	3" Deck Gun Discharge, Akron manual valve. (outlet shall terminate with MNPT threads unless extend gun is install)	1	
4415-0161-581	2.5" Left Panel Discharge Akron Manual Valve w/30 Degree Chrome Droop. Location: left side discharge 1.	1	
4415-0161-582	2.5" Left Panel Discharge Akron Manual Valve w/30 Degree Chrome Droop. Location: left side discharge 2.	1	
4415-0164-583	2.5" Right Panel Discharge Akron Manual Valve w/30 Degree Chrome Droop. Location: right side discharge 1.	1	
4417-0106-L65	Deck gun piping to be positioned centered in deck gun channel.	1	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	7	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
4417-0246	Dealer installed monitor, make and model as specified.	1	
PRESSURE GOVERNORS			
4465-0011	Class 1 TPG pressure governor. Includes, water, oil, volt and tachometer.	1	
GAUGES			
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	7	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	

Salescode	Extended Description	Qty	
ELECTRICAL SYSTEMS			
5010-0049	Vehicle data recorder - 2009 / 2016 NFPA compliant. Includes occupant detection shown in multiplex display. E-ONE chassis only.	1	
5010-0055-649	Vista IV display for V-MUX electrical system. Location: driver's side engine cover.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0504	Whelen MKEZ7 1.5" standard mount for front light bar (PR).	1	
5300-0506-000-4T	Front light bar LED color: Red with clear lenses (If applicable, includes side facing when colors are the same.)	1	
5300-0511	Light bar Whelen Freedom IV Model F4X7 72" with 8 LED modules. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0483-534-4U	Whelen C-Series model C6L Super LED lower level warning light package. Includes (10) light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, centered in rear wheel well, and on side of beavertail.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0015	Whelen model 295SLSA1 siren with microphone (replaced 295HFSA1).	1	
5500-0024-170	The primary electronic siren control is to be located center overhead.	1	
SPEAKERS			
5510-0049-209	Whelen SP123BMC electronic siren speaker recessed in front bumper. Location: driver side front bumper.	1	
DOT LIGHTING			
5150-0007	Whelen 600 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and halogen back-up lights with vertical Cast 3 housing and weatherproof connectors.	1	
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0025	Marker light LED body/cab package. E-One custom cab and pumper or tanker body only.	1	

Salescode	Extended Description	Qty	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0011	Compartment light package LED for small bodies.	1	
5380-0032	Ground light package LED - large.	1	
LIGHTS - DECK AND SCENE			
5390-0003	Hose bed light Truck-Lite. Locate at the front area of the hose bed. Switched with work light switch in cab.	1	
5390-0022	Crosslay light Truck-Lite. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
5390-0024-395	Deck Light - Truck-Lite (PR). Location: rear body/beavertail area on the trailing edge up high.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0010	Incandescent pump compartment light (EA).	1	
5400-0259	TecNiq model E10 pump panel LED light package with (3) lights per side pump panel. Pump panels over 45" may require additional lights. Side mount only.	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
HOSE / NOZZLES			
7700-0053	PVC suction hose 6" X 10'. LIGHTWEIGHT SUCTION ONLY HOSE	2	
GROUND LADDERS			
7800-0007	Alco-Lite PRL-14' roof ladder.	1	
7800-0016	Alco-Lite PEL-24' 2-section extension ladder.	1	
7800-0032	Alco-Lite FL-10, 10' folding ladder w/safety shoes.	1	
MISC LOOSE EQUIPMENT			
7600-0016	Wheel chocks 44" NFPA compliant, pair (PR) of Zico SAC-44. Up to 44" diameter tires. Includes mounting brackets.	1	
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0089	All applicable pump/pre-connect application modules are to have a sanded finish	1	

Salescode	Extended Description	Qty	
EXTERIOR PAINT			
	(not painted job color). Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.		
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	
8100-0176-000-17	Paint E-ONE chassis cab - Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0182-000-17	Paint Body - Small - For Pumpers, Rear Mounts, S/A Tankers/Wetsides and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0186-000-39	Paint exterior surface of outer steel wheels. Sikkens paint. Color: Job Color.	1	
INTERIOR PAINT			
8150-0011	The interior of the cab to be painted Zolatone gray.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
WARRANTY / STANDARD			
9100-0003	Lifetime Frame Stuctural Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
9100-0039	1 year full warranty.	1	
9100-0090	25 Year frame rail corrosion warranty. Includes liners (if equipped).	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0016	Approval Drawings-Standard.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	

Salescode	Extended Description	Qty	
Dealer Supplied Equipment			

ITEM #12
Pumper/Tanker
Cyclone II

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Cyclone II Pumper / Tanker
Item #12

Quotation Number: 72746 Rev: 9

Unit Description: PMPR-CYC2

Quote Description: Pumper, Cyclone II Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3090-0007	Hosebed hoseload allowance on the apparatus shall be 1200 lbs.	1	
3340-1137-12B	Equipment allowance on the apparatus shall be 2000 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
BUMPERS			
1160-0000	Bumper 10" stainless steel.	1	
1160-0008	3/16" Front Bumper Gravel Shield.	1	
1160-0012	12" Front Bumper Gravel Shield Extension.	1	
1160-0020	License plate holder mounted center of front bumper.	1	
FRAME ASSEMBLY			
1250-0080	Frame assembly with 10.25 x 3.5 x .375 powder coated galvanized rails.	1	
1250-0092	GEOMET coated frame assembly fasteners.	1	
AXLE OPTIONS			
1025-0018	Meritor RS-30-185 single rear axle 31,000 lb. capacity.	1	
1025-0029	Front shock absorbers.	1	
1025-0174	Meritor FL941 front axle 18,000 lb.	1	
SUSPENSIONS			
1070-0012	Reyco rear suspension springs rated equal to the capacity of the axle.	1	

Salescode	Extended Description	Qty	
WHEEL OPTIONS			
1050-0000	Steel wheels for front axle (2).	1	
1050-0002	Steel wheels for rear axle (4).	1	
TIRE OPTIONS			
1060-0001	Two Michelin 315 tires model XZA-1 for front axle.	1	
1060-0017	Four Michelin 315 rear tires with XDN2 all weather tread.	1	
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
BRAKE SYSTEMS			
1100-0000	16-1/2" x 6" S-cam brakes with ArvinMeritor automatic slack adjusters for front axle.	1	
1100-0002	ArvinMeritor 16-1/2" x 7" S-cam brakes with cast brake drums for a single rear axle.	1	
1100-0005	Brake system air 4X2/4X4.	1	
1100-0006	Parking brake release mounted on the driver's side lower dash.	1	
AIR SYSTEM OPTIONS			
1110-0000-001	Inlet for air system. Location: driver door jamb.	1	
1110-0002	Air dryer Bendix AD-9.	1	
1110-0006	Air lines nylon.	1	
1110-0026	Air horns recessed in bumper (PR).	1	
ENGINES & TRANSMISSIONS			
1200-0017	Push-button transmission shift selector.	1	
1200-0020	TransSynd synthetic transmission fluid for EVS3000.	1	
1200-0096	Electronic speed limiting set at 60 MPH.	1	
1200-0340	Eng/Trans Cummins L9 400HP/EVS3000 2017 EPA compliant engine.	1	
SECONDARY BRAKING			
1125-0002	Jacobs engine compression brake.	1	
1125-0023	Transmission to seek second gear when Jacobs engine brake or Telma retarder is engaged. N/A with Trans retarder.	1	
COOLING PACKAGE			
1800-0013	Cooling system for use with Cyclone II X, Typhoon X, and Quest chassis. For use with 2010 - 2017 EPA engines. Includes coolant recovery system.	1	

Salescode	Extended Description	Qty	
FUEL SYSTEMS			
1350-0003	Fuel system 50 gallon.	1	
1350-0022	Fuel line hose rubber.	1	
ALTERNATOR			
1700-0003	Alternator Leece Neville 270 amp SAE, 240 amp NFPA rating.	1	
BATTERIES			
1400-0002	Battery four group 31 1000 CCA.	1	
CHASSIS OPTIONS			
1680-0005	Thermatic fan clutch.	1	
1680-0006	Drivelines 1710.	1	
1680-0008	Tow eyes front painted below bumper/cab (PR).	1	
1680-0011	Tow eyes rear below body, painted.	1	
1680-0250-M58	Diesel Exhaust Fluid (DEF) 5 gallon tank for 2013 / 2016 EPA engines. Location: left side below rear of cab.	1	
1680-0284	Radiator mounted power steering cooler.	1	
CAB MODEL			
1520-0010	Cyclone II X long cab with 67.5" CA	1	
CAB ROOF TYPE			
1615-0010	Cab roof to be "flat" (non-vista).	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
CAB DOOR OPTIONS			
1550-0003	Rear crew cab doors in the medium position.	1	
1550-0005	Driver and officer cab door windows. Include forward vent windows.	1	
1550-0011	Rear crew cab door windows. Includes manual roll-down actuation. Not available on Typhoon or CII with paddle style door latching.	1	
1550-0016	Cab door panels ABS.	1	
1550-0025	All cab doors shall have "L" style exterior latches.	1	
1550-0027	Front cab door windows to have manual actuation.	1	
1550-0038-659	(4) LED cab step area lighting. Locate each light on each cab door in the inboard position. Lights to be switched with door ajar.	1	

Salescode	Extended Description	Qty	
CAB DOOR OPTIONS			
1550-0044	All cab door kick plates to be made from diamond plate aluminum.	1	
1550-0059-000-G6	Reflective Red/Lemon Yellow printed striping positioned in the "A" formation located on the cab door panels.	1	
1550-0077	Interior cab door locks - manual. Will have manual actuation from each respective door. Includes barrel style key lock on each exterior cab door.	1	
1550-0083	All cab exterior access doors to have CH751 keyed locks.	1	
MIRRORS			
1670-0003	Velvac 2010 mirrors. Door mounted west coast style with remote control and heat.	1	
MISC EXTERIOR CAB OPTIONS			
1550-0020	Windows cab side fixed driver's side.	1	
1550-0033	Windows cab side fixed officer's side.	1	
1675-0022	Pair of 18" handrails located just behind driver and officer front door one each side.	1	
1675-0023	Pair of 18" handrails located just behind driver and officer rear door (ALS doors if equipped) one each side.	1	
1675-0030	Mud flaps, front, black with E-ONE logo.	1	
1675-0046	Rear cab wall to be smooth 3/16" aluminum plate. Cab wall to be finish painted to match the cab paint scheme.	1	
1675-0202	Mounting plate for battery charger receptacle, indicator, air inlet, etc (if applicable). Plate to be removable brushed stainless steel.	1	
HVAC			
1515-0017	Air conditioning for the Typhoon X, CII X and Quest with Cummins ISC/ISL engine and radiator mounted condenser.	1	
1515-0053	Controls for heating and air conditioning shall be located in the center dash area. (Lower area on Typhoon and CII with severe duty dash)	1	
SEATS			
1510-0003	Seats, Inc. brand 911 cab seats.	1	
1510-0007	Seat cover material vinyl.	1	
1510-0008	Seat color gray.	1	
1510-0035-147	Universal air pack bottle bracket (EA). Location: officer's seat.	1	
1510-0035-148	Universal air pack bottle bracket (EA). Location: rear facing driver's side.	1	
1510-0035-151	Universal air pack bottle bracket (EA). Location: inboard driver's side rear wall.	1	

Salescode	Extended Description	Qty	
SEATS			
1510-0035-152	Universal air pack bottle bracket (EA). Location: inboard officer's side rear wall.	1	
1510-0035-215	Universal air pack bottle bracket (EA). Location: rear facing officer's side.	1	
1510-0038	Driver seat 911 air ride.	1	
1510-0042	Officer seat to be 911 fixed SCBA.	1	
1510-0050	Rear facing 911 seat with SCBA driver's side.	1	
1510-0053	Rear facing 911 seat with SCBA officer's side.	1	
1510-0062	Two man bench centered on rear wall with 911 SCBA backs. Includes angled corners.	1	
1685-0033	Seating capacity tag of six occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0000	Cab interior gray. Does not include engine cover or seat color.	1	
1685-0006	Padded sun visors, driver and officer's side overhead.	1	
1685-0168	ABS Dash package. Includes center and officer side dash, lower kick panels and "A" post covers.	1	
1685-0187	Severe duty engine cover, molded polyurethane.	1	
1685-0496	ABS overhead console. Includes front full width overhead, air conditioning plenum and rear facing blower.	1	
1685-0532	Stepped profile rear engine cover.	1	
CAB ELECTRICAL OPTIONS			
1750-0013-172	Turn signal Whelen 600 LED amber arrow pair located upper headlight bezel.	1	
1750-0024-179-04	Auto-Eject receptacle inlet 20 amp located outside driver's door next to handrail with a Yellow cover.	1	
1750-0046-195	Cab Headlights. Position: lower.	1	
1750-0072-592	12 VDC (or 24VDC) electrical outlet wired battery hot. Location: driver side dash.	1	
1750-0075	English dominant main cab gauge cluster.	1	
1750-0158	Dome Lts Red/White LED. Package includes two lights mounted in the front and two mounted in the rear of the cab. White light wired through door and light assembly switch. Red light through light assembly switch.	1	
1750-0198-A31	Battery charger to be located behind driver's seat.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
1750-0435	Halogen cab headlights. TyphoonX, CIIX and QST2 only.	1	
1750-0449	Momentary DPF regeneration override switch.	1	

Salescode	Extended Description	Qty	
BODY COMPT LEFT SIDE			
3100-0128	Driver side body with full height 60" wide forward and 42" wide rearward compartmentation. Includes (1) 56" wide compartment over the wheel well.	1	
BODY COMPT RIGHT SIDE			
3120-0123	Officer half side body with 60" wide forward and 42" wide rearward compartmentation. Includes adjustable ladder tracks.	1	
BODY COMPT REAR			
3110-0005	Full Height Rear Compartment. Includes smooth plate panels.	1	
3110-0034	Upper rear compartment depth to be shallow.	1	
3340-0080	Bolt-on diamond plate 18" tailboard (full width of body). Includes (2) squared off beavertails (no stanchions) with removable outer panels and handrails- (2) vertical on trailing edge of body and horizontal mounted handrail(s) below hosebed.	1	
DOORS			
3300-0011-004	Door single horizontal hinged lift-up box pan configuration painted. Location(s): L2	1	
3300-0289-015	Door double vertical hinged w/rotary latches - painted . Location(s): R1 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-016	Door double vertical hinged w/rotary latches - painted . Location(s): R2 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0292-003	Door double 3-point vertical hinged w/rotary latches - painted. Location(s): L1. Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0292-005	Door double 3-point vertical hinged w/rotary latches - painted. Location(s): L3. Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0294-027	Door double 3-point vertical hinged w/rotary latches - smooth plate sanded. Location(s): B1. Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP MODULE			

Salescode	Extended Description	Qty	
PUMP MODULE			
3130-0167	Pump module to be 76" wide (side to side). Includes upper, lower, crosswalk, speedlay and tranverse module(s) if applicable.	1	
3130-0523	Side mount pump module. Extruded aluminum with runningboards.	1	
3130-0532	Pump panel opening is 39" wide. Pumper / tanker only.	1	
3130-0539	Pump module height is 75". Pumper / tanker only.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0055	Officer side upper pump access panel to be horizontal hinged with stainless steel door. Includes (2) push button latches and (2) hold open devices.	1	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	
PUMP MODULE OPTIONS			
3136-0058	E-ONE logo mounted one each side on pump module/preconnect panels. Logos to be sized as applicable to available space on panels.	1	
3136-0138	Pump module storage pan.	1	
3136-0139	Crosslay double 7.5" wide each to hold up to 200' of 2.0" DJ hose (each).	1	
WATER TANK			
4010-0099	Fill tower(s) to be located offset to officer side of water tank.	1	
4010-0182	1530 Gallon "T" Water Tank. UPF Poly III color fill towers. Note: Any foam cell(s) and/or storage options through the tank will reduce the overall water capacity.	1	
TANK PLUMBING			
4450-0010	2" tank fill Akron manual valve.	1	
4450-0119	3" tank to pump Akron manual valve w/4" tank connection.	1	
LADDER STORAGE / RACKS			
3365-0049	Brand of ladders capable of being carried on unit to be Alco-Lite.	1	
3365-0087-C57	The length of ladders capable of being stored shall be the following: 24' 2-section and 14' roof ladder.	1	
HANDRAILS / STEPS			
3330-0277	Innovative Controls dual lighted LED folding steps rear NFPA. Includes folding steps on driver side rear of the body. (staggered stepped as applicable with tailboard depth) for NFPA hosebed access and handrail mounted on driver side	1	

Salescode	Extended Description	Qty	
HANDRAILS / STEPS			
	upper hosebed side (as applicable).		
MISC BODY OPTIONS			
3340-0004	Hosebed above the booster tank. Includes forward hosebed and tower(s) cover plate work (as applicable). Hosebed adjustable divider extrusion rearward of the furthest tower is to run full width of the hosebed (as is practical with other hosebed mounted equipment).	1	
3340-0015	Diamond plate single axle wheel well. Includes bolt-on composite wheel well liners and aluminum trim fenderettes.	1	
3340-0035	Divider Long. To run full length of hose bed (front to rear).	1	
3340-0058	Recessed fuel fill driver side wheel well.	1	
3340-0075	Body mainframe and hosebed side assemblies for a 90" high body.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0110	The rear of each hose bed divider to have a hand hold cut-out(s).	1	
3340-0145	Rub rail for the body and pump area module(s).	1	
3340-0681	Body mainframe layout line to be 24". Includes body and all applicable modules.	1	
PUMPS			
4005-0031	Rating 1500 GPM.	1	
4005-0196	Hale QMAX 1000-2250 GPM single stage pump. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PUMP OPTIONS			
4015-0038	Pump seal packing for Hale pump.	1	
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0098	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location on pump panel.	1	
4015-0210	Pump cooler with Innovative Control 1/4 turn valve with "T" handle and label.	1	
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			

Salescode	Extended Description	Qty	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0014-581	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 1.	1	
4415-0014-582	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 2.	1	
4415-0016-583	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 1.	1	
4415-0016-584	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 2.	1	
4415-0022-350	2.5" Left Rear Discharge Akron Manual Valve. Location: left rear discharge.	1	
4415-0041	3" Deck Gun Discharge, Akron manual valve. (outlet shall terminate with MNPT threads unless extend gun is install)	1	
4417-0106-L65	Deck gun piping to be positioned centered in deck gun channel.	1	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	8	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
4417-0246	Dealer installed monitor, make and model as specified.	1	
PRESSURE GOVERNORS			
4465-0011	Class 1 TPG pressure governor. Includes, water, oil, volt and tachometer.	1	
GAUGES			
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	8	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0049	Vehicle data recorder - 2009 / 2016 NFPA compliant. Includes occupant detection	1	

Salescode	Extended Description	Qty	
ELECTRICAL SYSTEMS			
	shown in multiplex display. E-ONE chassis only.		
5010-0055-649	Vista IV display for V-MUX electrical system. Location: driver's side engine cover.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0504	Whelen MKEZ7 1.5" standard mount for front light bar (PR).	1	
5300-0506-000-4T	Front light bar LED color: Red with clear lenses (If applicable, includes side facing when colors are the same.)	1	
5300-0511	Light bar Whelen Freedom IV Model F4X7 72" with 8 LED modules. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0483-534-4U	Whelen C-Series model C6L Super LED lower level warning light package. Includes (10) light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, centered in rear wheel well, and on side of beavertail.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0015	Whelen model 295SLSA1 siren with microphone (replaced 295HFSA1).	1	
5500-0024-170	The primary electronic siren control is to be located center overhead.	1	
SPEAKERS			
5510-0049-209	Whelen SP123BMC electronic siren speaker recessed in front bumper. Location: driver side front bumper.	1	
DOT LIGHTING			
5150-0007	Whelen 600 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and halogen back-up lights with vertical Cast 3 housing and weatherproof connectors.	1	
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0025	Marker light LED body/cab package. E-One custom cab and pumper or tanker body only.	1	

Salescode	Extended Description	Qty	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0011	Compartment light package LED for small bodies.	1	
5380-0032	Ground light package LED - large.	1	
LIGHTS - DECK AND SCENE			
5390-0003	Hose bed light Truck-Lite. Locate at the front area of the hose bed. Switched with work light switch in cab.	1	
5390-0022	Crosslay light Truck-Lite. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
5390-0024-395	Deck Light - Truck-Lite (PR). Location: rear body/beavertail area on the trailing edge up high.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0010	Incandescent pump compartment light (EA).	1	
5400-0259	TecNiq model E10 pump panel LED light package with (3) lights per side pump panel. Pump panels over 45" may require additional lights. Side mount only.	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
ELBOWS			
7400-0012	Chrome discharge elbow 2.5" FNST x 2.5" Male 3.187 x 6 thread per inch with a 2.5" Female 3.187 x 6 thread per inch chrome rocker lug cap with chain, 45 Degree.	4	
HOSE / NOZZLES			
7700-0053	PVC suction hose 6" X 10'. LIGHTWEIGHT SUCTION ONLY HOSE	2	
GROUND LADDERS			
7800-0007	Alco-Lite PRL-14' roof ladder.	1	
7800-0016	Alco-Lite PEL-24' 2-section extension ladder.	1	
7800-0032	Alco-Lite FL-10, 10' folding ladder w/safety shoes.	1	
MISC LOOSE EQUIPMENT			
7600-0016	Wheel chocks 44" NFPA compliant, pair (PR) of Zico SAC-44. Up to 44" diameter tires. Includes mounting brackets.	1	

Salescode	Extended Description	Qty	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0089	All applicable pump/pre-connect application modules are to have a sanded finish (not painted job color). Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.	1	
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	
8100-0176-000-17	Paint E-ONE chassis cab - Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0182-000-17	Paint Body - Small - For Pumpers, Rear Mounts, S/A Tankers/Wetsides and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0186-000-39	Paint exterior surface of outer steel wheels. Sikkens paint. Color: Job Color.	1	
INTERIOR PAINT			
8150-0011	The interior of the cab to be painted Zolatone gray.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
WARRANTY / STANDARD			
9100-0003	Lifetime Frame Stuctural Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
9100-0039	1 year full warranty.	1	
9100-0090	25 Year frame rail corrosion warranty. Includes liners (if equipped).	1	

Salescode	Extended Description	Qty	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0016	Approval Drawings-Standard.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	
Dealer Supplied Equipment			

ITEM #13
Tanker
Typhoon

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Typhoon Tanker
Item #13

Quotation Number: 72747 Rev: 13

Unit Description: TTSA-TYPH

Quote Description: Tanker, Tandem Axle, Side Mount, Typhoon Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3090-0007	Hosebed hoseload allowance on the apparatus shall be 1200 lbs.	1	
3340-1137-11Z	Equipment allowance on the apparatus shall be 1000 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
BUMPERS			
1160-0000	Bumper 10" stainless steel.	1	
1160-0011	4" Front Bumper Extension.	1	
FRAME ASSEMBLY			
1250-0080	Frame assembly with 10.25 x 3.5 x .375 powder coated galvanized rails.	1	
1250-0083	Frame liner 9.375 x 3.125 x .375, galvanized and powder coated.	1	
1250-0092	GEOMET coated frame assembly fasteners.	1	
AXLE OPTIONS			
1025-0005	Meritor FL-941 front axle 18,700 lb.	1	
1025-0020	Meritor RT-46-160 rear tandem axle 46,000 lb. capacity.	1	
1025-0028	Koni shock absorbers for front axle - adjustable.	1	
SUSPENSIONS			
1070-0022	Rear suspension FIREMAAX EX model FMX-482 air ride rated equal to the capacity of the axles (40-48K). Requires TB modification on 4-jack aerials.	1	

Salescode	Extended Description	Qty	
SUSPENSIONS			
	(Raises OAH .5" over springs)		
WHEEL OPTIONS			
1050-0000	Steel wheels for front axle (2).	1	
1050-0004	Steel wheels for rear axles (8).	1	
1050-0007	Front axle wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center cap with E-ONE logo. Note: Center cap will have an inspection port IPO a logo if equipped with Stemco oil seals.	1	
1050-0009	Rear axle (tandem) wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center caps with E-ONE logo. E-ONE custom chassis w/steel wheels will have chrome plated plastic lug covers.	1	
TIRE OPTIONS			
1060-0007	Eight Michelin 11R tires model XZE2 for rear axles.	1	
1060-0119	RWC AirGuard LED tire pressure monitoring valve stem caps (10) for tandem rear axle applications.	1	
1060-0155	Two Michelin 385 tires model X MULTIWAY HD XZE for front axle.	1	
BRAKE SYSTEMS			
1100-0000	16-1/2" x 6" S-cam brakes with ArvinMeritor automatic slack adjusters for front axle.	1	
1100-0006	Parking brake release mounted on the driver's side lower dash.	1	
1100-0008	Brake system air 6X4.	1	
1100-0014	ArvinMeritor 16-1/2" x 7" S-cam brakes with cast brake drums for a tandem rear axle.	1	
1100-0026	G4 Electronic Stability Control (6x4), Includes RSC and ATC. Not available on 6x6 or commercial chassis.	1	
AIR SYSTEM OPTIONS			
1110-0000-001	Inlet for air system. Location: driver door jamb.	1	
1110-0002	Air dryer Bendix AD-9.	1	
1110-0006	Air lines nylon.	1	
1110-0041	Air horns Grover recessed in bumper (PR).	1	
ENGINES & TRANSMISSIONS			
1200-0017	Push-button transmission shift selector.	1	
1200-0020	TransSynd synthetic transmission fluid for EVS3000.	1	

Salescode	Extended Description	Qty	
ENGINES & TRANSMISSIONS			
1200-0096	Electronic speed limiting set at 60 MPH.	1	
1200-0337	Eng/Trans Cummins L9 330HP/EVS3000 2017 EPA compliant engine.	1	
SECONDARY BRAKING			
1125-0002	Jacobs engine compression brake.	1	
1125-0023	Transmission to seek second gear when Jacobs engine brake or Telma retarder is engaged. N/A with Trans retarder.	1	
COOLING PACKAGE			
1800-0013	Cooling system for use with Cyclone II X, Typhoon X, and Quest chassis. For use with 2010 - 2017 EPA engines. Includes coolant recovery system.	1	
FUEL SYSTEMS			
1350-0005	Fuel system 65 gallons.	1	
1350-0022	Fuel line hose rubber.	1	
ALTERNATOR			
1700-0003	Alternator Leece Neville 270 amp SAE, 240 amp NFPA rating.	1	
BATTERIES			
1400-0002	Battery four group 31 1000 CCA.	1	
CHASSIS OPTIONS			
1680-0005	Thermatic fan clutch.	1	
1680-0006	Drivelines 1710.	1	
1680-0012	Tow eyes rear frame painted black.	1	
1680-0042	Tow hooks front painted in the down position.	1	
1680-0250-M58	Diesel Exhaust Fluid (DEF) 5 gallon tank for 2013 / 2016 EPA engines. Location: left side below rear of cab.	1	
1680-0284	Radiator mounted power steering cooler.	1	
CAB MODEL			
1520-0013	Typhoon X medium cab with 58" CA	1	
CAB ROOF TYPE			
1615-0010	Cab roof to be "flat" (non-vista).	1	
CAB BADGE PACKAGE			

Salescode	Extended Description	Qty	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
GRILLE			
1620-0004	ABS chrome plated grille.	1	
CAB DOOR OPTIONS			
1550-0003	Rear crew cab doors in the medium position.	1	
1550-0005	Driver and officer cab door windows. Include forward vent windows.	1	
1550-0011	Rear crew cab door windows. Includes manual roll-down actuation. Not available on Typhoon or CII with paddle style door latching.	1	
1550-0016	Cab door panels ABS.	1	
1550-0025	All cab doors shall have "L" style exterior latches.	1	
1550-0027	Front cab door windows to have manual actuation.	1	
1550-0037-659	(4) Incandescent cab step area lighting. Locate each light in on each cab door in the inboard position. Lights to be switched with door ajar.	1	
1550-0044	All cab door kick plates to be made from diamond plate aluminum.	1	
1550-0059-000-G6	Reflective Red/Lemon Yellow printed striping positioned in the "A" formation located on the cab door panels.	1	
1550-0077	Interior cab door locks - manual. Will have manual actuation from each respective door. Includes barrel style key lock on each exterior cab door.	1	
1550-0084	All cab exterior access doors to have 1250 keyed locks.	1	
MIRRORS			
1670-0003	Velvac 2010 mirrors. Door mounted west coast style with remote control and heat.	1	
MISC EXTERIOR CAB OPTIONS			
1550-0020	Windows cab side fixed driver's side.	1	
1550-0033	Windows cab side fixed officer's side.	1	
1675-0022	Pair of 18" handrails located just behind driver and officer front door one each side.	1	
1675-0023	Pair of 18" handrails located just behind driver and officer rear door (ALS doors if equipped) one each side.	1	
1675-0030	Mud flaps, front, black with E-ONE logo.	1	
1675-0047	Rear cab wall to be 3/16" aluminum diamond plate.	1	
1675-0202	Mounting plate for battery charger receptacle, indicator, air inlet, etc (if applicable). Plate to be removable brushed stainless steel.	1	

Salescode	Extended Description	Qty	
HVAC			
1515-0017	Air conditioning for the Typhoon X, CII X and Quest with Cummins ISC/ISL engine and radiator mounted condenser.	1	
1515-0048	Controls for heating and air conditioning shall be located in the driver side lower dash area. For use without front air bags only.	1	
SEATS			
1510-0003	Seats, Inc. brand 911 cab seats.	1	
1510-0007	Seat cover material vinyl.	1	
1510-0008	Seat color gray.	1	
1510-0038	Driver seat 911 air ride.	1	
1510-0042	Officer seat to be 911 fixed SCBA.	1	
1510-0050	Rear facing 911 seat with SCBA driver's side.	1	
1510-0053	Rear facing 911 seat with SCBA officer's side.	1	
1685-0031	Seating capacity tag of four occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0000	Cab interior gray. Does not include engine cover or seat color.	1	
1685-0006	Padded sun visors, driver and officer's side overhead.	1	
1685-0168	ABS Dash package. Includes center and officer side dash, lower kick panels and "A" post covers.	1	
1685-0187	Severe duty engine cover, molded polyurethane.	1	
1685-0496	ABS overhead console. Includes front full width overhead, air conditioning plenum and rear facing blower.	1	
1685-0532	Stepped profile rear engine cover.	1	
CAB ELECTRICAL OPTIONS			
1750-0024-179-04	Auto-Eject receptacle inlet 20 amp located outside driver's door next to handrail with a Yellow cover.	1	
1750-0046-195	Cab Headlights. Position: lower.	1	
1750-0072-592	12 VDC (or 24VDC) electrical outlet wired battery hot. Location: driver side dash.	1	
1750-0075	English dominant main cab gauge cluster.	1	
1750-0198-A31	Battery charger to be located behind driver's seat.	1	
1750-0215-172	Turn signal Whelen M6 LED arrow amber pair located upper headlight bezel.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
1750-0435	Halogen cab headlights. TyphoonX, CIIX and QST2 only.	1	

Salescode	Extended Description	Qty	
CAB ELECTRICAL OPTIONS			
1750-0449	Momentary DPF regeneration override switch.	1	
5400-0037	Dome Lts Red/White Incandescent. Package includes two lights mounted in the front and two mounted in the rear of the cab. White light wire through door and light assembly mounted switch. Red light through light assembly mounted switch.	1	
BODY COMPT LEFT SIDE			
3100-0222	Driver half side tandem body with 42" wide forward and 42" wide rearward compartmentation.	1	
BODY COMPT RIGHT SIDE			
3120-0378	Officer half side tandem body with 42" wide forward and 42" wide rearward compartmentation.	1	
BODY COMPT REAR			
3110-0130	Rear end tanker. Includes smooth plate upper and lower panels and a smooth plate center strip for a Jet or Newton Dump application.	1	
3340-0080	Bolt-on diamond plate 18" tailboard (full width of body). Includes (2) squared off beavertails (no stanchions) with removable outer panels and handrails- (2) vertical on trailing edge of body and horizontal mounted handrail(s) below hosebed.	1	
DOORS			
3300-0289-003	Door double vertical hinged w/rotary latches - painted . Location(s): L1 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-004	Door double vertical hinged w/rotary latches - painted . Location(s): L2 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-015	Door double vertical hinged w/rotary latches - painted . Location(s): R1 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-016	Door double vertical hinged w/rotary latches - painted . Location(s): R2 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	

Salescode	Extended Description	Qty	
PUMP MODULE			
3130-0167	Pump module to be 76" wide (side to side). Includes upper, lower, crosswalk, speedlay and tranverse module(s) if applicable.	1	
3130-0523	Side mount pump module. Extruded aluminum with runningboards.	1	
3130-0531	Pump panel opening is 33" wide. Tanker only.	1	
3130-0539	Pump module height is 75". Pumper / tanker only.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0055	Officer side upper pump access panel to be horizontal hinged with stainless steel door. Includes (2) push button latches and (2) hold open devices.	1	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	
PUMP MODULE OPTIONS			
3136-0058	E-ONE logo mounted one each side on pump module/preconnect panels. Logos to be sized as applicable to available space on panels.	1	
3136-0138	Pump module storage pan.	1	
3136-0139	Crosslay double 7.5" wide each to hold up to 200' of 2.0" DJ hose (each).	1	
WATER TANK			
4010-0099	Fill tower(s) to be located offset to officer side of water tank.	1	
4010-0193	2530 Gallon Tandem "T" Water Tank. UPF Poly III color fill towers. Note: Any foam cell(s) and/or storage options thru the tank will reduce the overall water capacity.	1	
WATER TANK OPTIONS			
4020-0004	Newton dump mounting plate.	1	
TANK PLUMBING			
4020-0018	Rear tank dump. Includes painted steel assembly with manual actuated valve on top of dump assembly. For use with slip on extension and chute.	1	
4450-0010	2" tank fill Akron manual valve.	1	
4450-0121	3" Tank to pump Akron air actuated valve w/4" tank connection.	1	
4450-0149-198	2.5" rear direct tank fill. Includes swing handle control, swivel with droop and plug with retainer. Located to driver's side of the rear body.	1	
4450-0149-199	2.5" rear direct tank fill. Includes swing handle control, swivel with droop and plug with retainer. Located to officer's side of the rear body.	1	

Salescode	Extended Description	Qty	
LADDER STORAGE / RACKS			
3365-0189-198-L5	Manual drop-down portable tank storage rack. Includes forward and rearward securing clamps with manual releases. Locate rack to driver's side of body. Rack sized for steel framed 2500 portable tank.	1	
3365-0831	Hard Suction Storage Racks. Officer side hose bed side with adjustable tracks. Includes spring hold downs and scuff plates behind spring mounts (as applicable).	2	
HANDRAILS / STEPS			
3330-0277	Innovative Controls dual lighted LED folding steps rear NFPA. Includes folding steps on driver side rear of the body. (staggered stepped as applicable with tailboard depth) for NFPA hosebed access and handrail mounted on driver side upper hosebed side (as applicable).	1	
MISC BODY OPTIONS			
3340-0004	Hosebed above the booster tank. Includes forward hosebed and tower(s) cover plate work (as applicable). Hosebed adjustable divider extrusion rearward of the furthest tower is to run full width of the hosebed (as is practical with other hosebed mounted equipment).	1	
3340-0035	Divider Long. To run full length of hose bed (front to rear).	1	
3340-0058	Recessed fuel fill driver side wheel well.	1	
3340-0075	Body mainframe and hosebed side assemblies for a 90" high body.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0107	Diamond plate tandem axle wheel well. Includes bolt-on composite wheel well liners and fenderettes.	1	
3340-0110	The rear of each hose bed divider to have a hand hold cut-out(s).	1	
3340-0145	Rub rail for the body and pump area module(s).	1	
3340-0561	Access panel on back wall of the driver and officer side body compartments rearward of the wheel well for access to the frame mounted tow eyes.	1	
3340-0588	Slip-on painted steel dump elbow and 36" straight extension chute. Includes body mounted removable support arm and mounting brackets at rear of body for elbow and straight chute.	1	
3340-0681	Body mainframe layout line to be 24". Includes body and all applicable modules.	1	
PUMPS			
4005-0103	Rating 500 GPM.	1	
4005-0208	Hale AP50 PTO driven pump. Includes driver side 5" intake with cap (shipped loose). Capacity of 500GPM/1892LPM. Requires primer option.	1	

Salescode	Extended Description	Qty	
PUMP CERTIFICATION			
4475-0004	Pump certification 250-500 GPM	1	
PUMP OPTIONS			
4015-0037	Engine throttle, vernier.	1	
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0098	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location on pump panel.	1	
4015-0126	Hale PTO/MIDSHIP 250GPM to 1000gpm Pump Pressure Relief Valve	1	
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0014-581	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 1.	1	
4415-0014-582	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 2.	1	
4415-0016-583	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 1.	1	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	5	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
GAUGES			
4435-0069	Class 1 ENFO IV system on pump operator's panel.	1	
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0085-230	Innovative Controls 10 LED SL series tank level water gauge, additional. Location: officer rear.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color	5	

Salescode	Extended Description	Qty	
GAUGES			
	code bezel.		
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0049	Vehicle data recorder - 2009 / 2016 NFPA compliant. Includes occupant detection shown in multiplex display. E-ONE chassis only.	1	
5010-0055-649	Vista IV display for V-MUX electrical system. Location: driver's side engine cover.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0504	Whelen MKEZ7 1.5" standard mount for front light bar (PR).	1	
5300-0506-000-4T	Front light bar LED color: Red with clear lenses (If applicable, includes side facing when colors are the same.)	1	
5300-0511	Light bar Whelen Freedom IV Model F4X7 72" with 8 LED modules. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0149-536	Whelen M6 Super LED lower level warning light package. Includes (10) red M6R LED light heads w/chrome flanges. Locate side facing lights: at forward most position, in rear wheel well offset to front, and on side of beavertail.	1	
WARNING LIGHTS			
5600-0080-479-06	Whelen beacon with LED upper beacon and 700 series Super LED (PR) model B6LED with red domes and Red LEDs. Location: rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-846	The primary electronic siren control is to be located center overhead console offset to driver side.	1	
SPEAKERS			
5510-0049-209	Whelen SP123BMC electronic siren speaker recessed in front bumper. Location: driver side front bumper.	1	
DOT LIGHTING			

Salescode	Extended Description	Qty	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0025	Marker light LED body/cab package. E-One custom cab and pumper or tanker body only.	1	
5150-0102	Whelen M6 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical 3 light housing and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0011	Compartment light package LED for small bodies.	1	
5380-0030	Ground light package LED - small.	1	
LIGHTS - DECK AND SCENE			
5390-0003	Hose bed light Truck-Lite. Locate at the front area of the hose bed. Switched with work light switch in cab.	1	
5390-0022	Crosslay light Truck-Lite. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
5390-0024-395	Deck Light - Truck-Lite (PR). Location: rear body/beavertail area on the trailing edge up high.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0010	Incandescent pump compartment light (EA).	1	
5400-0259	TecNiq model E10 pump panel LED light package with (3) lights per side pump panel. Pump panels over 45" may require additional lights. Side mount only.	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
5100-0165	Audible door ajar alarm wired through door ajar light. For use with V-Mux Display only.	1	
CAMERAS / INTERCOM			
5350-0188	Federal Signal (Sony) back-up camera wire through multiplex display. Video displays automatically when transmission is in reverse.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
HOSE / NOZZLES			
7700-0053	PVC suction hose 6" X 10'. LIGHTWEIGHT SUCTION ONLY HOSE	2	

Salescode	Extended Description	Qty	
MISC LOOSE EQUIPMENT			
7600-0016	Wheel chocks 44" NFPA compliant, pair (PR) of Zico SAC-44. Up to 44" diameter tires. Includes mounting brackets.	1	
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0089	All applicable pump/pre-connect application modules are to have a sanded finish (not painted job color). Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.	1	
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	
8100-0176-000-17	Paint E-ONE chassis cab - Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0183-000-17	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0186-000-39	Paint exterior surface of outer steel wheels. Sikkens paint. Color: Job Color.	1	
INTERIOR PAINT			
8150-0011	The interior of the cab to be painted Zolatone gray.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
GRAPHICS			
8400-0067	E-ONE logo with grey backing on M6 series vertical tail light housing (PR).	1	
WARRANTY / STANDARD			
9100-0003	Lifetime Frame Stuctural Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	

Salescode	Extended Description	Qty	
WARRANTY / STANDARD & EXTENDED			
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
9100-0039	1 year full warranty.	1	
9100-0090	25 Year frame rail corrosion warranty. Includes liners (if equipped).	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0016	Approval Drawings-Standard.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	
Dealer Supplied Equipment			

ITEM #14
1500 Tanker
Typhoon

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Typhoon 1500 Tanker
Item #14

Quotation Number: 72748 Rev: 13

Unit Description: TTSA-TYPH

Quote Description: Tanker, Tandem Axle, Side Mount, Typhoon Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3090-0007	Hosebed hoseload allowance on the apparatus shall be 1200 lbs.	1	
3340-1137-11Z	Equipment allowance on the apparatus shall be 1000 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
BUMPERS			
1160-0000	Bumper 10" stainless steel.	1	
1160-0011	4" Front Bumper Extension.	1	
FRAME ASSEMBLY			
1250-0080	Frame assembly with 10.25 x 3.5 x .375 powder coated galvanized rails.	1	
1250-0083	Frame liner 9.375 x 3.125 x .375, galvanized and powder coated.	1	
1250-0092	GEOMET coated frame assembly fasteners.	1	
AXLE OPTIONS			
1025-0005	Meritor FL-941 front axle 18,700 lb.	1	
1025-0020	Meritor RT-46-160 rear tandem axle 46,000 lb. capacity.	1	
1025-0028	Koni shock absorbers for front axle - adjustable.	1	
SUSPENSIONS			
1070-0022	Rear suspension FIREMAAX EX model FMX-482 air ride rated equal to the capacity of the axles (40-48K). Requires TB modification on 4-jack aerials.	1	

Salescode	Extended Description	Qty	
SUSPENSIONS			
	(Raises OAH .5" over springs)		
WHEEL OPTIONS			
1050-0000	Steel wheels for front axle (2).	1	
1050-0004	Steel wheels for rear axles (8).	1	
1050-0007	Front axle wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center cap with E-ONE logo. Note: Center cap will have an inspection port IPO a logo if equipped with Stemco oil seals.	1	
1050-0009	Rear axle (tandem) wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center caps with E-ONE logo. E-ONE custom chassis w/steel wheels will have chrome plated plastic lug covers.	1	
TIRE OPTIONS			
1060-0007	Eight Michelin 11R tires model XZE2 for rear axles.	1	
1060-0119	RWC AirGuard LED tire pressure monitoring valve stem caps (10) for tandem rear axle applications.	1	
1060-0155	Two Michelin 385 tires model X MULTIWAY HD XZE for front axle.	1	
BRAKE SYSTEMS			
1100-0000	16-1/2" x 6" S-cam brakes with ArvinMeritor automatic slack adjusters for front axle.	1	
1100-0006	Parking brake release mounted on the driver's side lower dash.	1	
1100-0008	Brake system air 6X4.	1	
1100-0014	ArvinMeritor 16-1/2" x 7" S-cam brakes with cast brake drums for a tandem rear axle.	1	
1100-0026	G4 Electronic Stability Control (6x4), Includes RSC and ATC. Not available on 6x6 or commercial chassis.	1	
AIR SYSTEM OPTIONS			
1110-0000-001	Inlet for air system. Location: driver door jamb.	1	
1110-0002	Air dryer Bendix AD-9.	1	
1110-0006	Air lines nylon.	1	
1110-0041	Air horns Grover recessed in bumper (PR).	1	
ENGINES & TRANSMISSIONS			
1200-0017	Push-button transmission shift selector.	1	
1200-0020	TransSynd synthetic transmission fluid for EVS3000.	1	

Salescode	Extended Description	Qty	
ENGINES & TRANSMISSIONS			
1200-0096	Electronic speed limiting set at 60 MPH.	1	
1200-0340	Eng/Trans Cummins L9 400HP/EVS3000 2017 EPA compliant engine.	1	
SECONDARY BRAKING			
1125-0002	Jacobs engine compression brake.	1	
1125-0023	Transmission to seek second gear when Jacobs engine brake or Telma retarder is engaged. N/A with Trans retarder.	1	
COOLING PACKAGE			
1800-0013	Cooling system for use with Cyclone II X, Typhoon X, and Quest chassis. For use with 2010 - 2017 EPA engines. Includes coolant recovery system.	1	
FUEL SYSTEMS			
1350-0005	Fuel system 65 gallons.	1	
1350-0022	Fuel line hose rubber.	1	
ALTERNATOR			
1700-0003	Alternator Leece Neville 270 amp SAE, 240 amp NFPA rating.	1	
BATTERIES			
1400-0002	Battery four group 31 1000 CCA.	1	
CHASSIS OPTIONS			
1680-0005	Thermatic fan clutch.	1	
1680-0006	Drivelines 1710.	1	
1680-0012	Tow eyes rear frame painted black.	1	
1680-0042	Tow hooks front painted in the down position.	1	
1680-0250-M58	Diesel Exhaust Fluid (DEF) 5 gallon tank for 2013 / 2016 EPA engines. Location: left side below rear of cab.	1	
1680-0284	Radiator mounted power steering cooler.	1	
CAB MODEL			
1520-0175	Typhoon X stretched long cab with 74" CA.	1	
CAB ROOF TYPE			
1615-0010	Cab roof to be "flat" (non-vista).	1	
CAB BADGE PACKAGE			

Salescode	Extended Description	Qty	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
GRILLE			
1620-0004	ABS chrome plated grille.	1	
CAB DOOR OPTIONS			
1550-0003	Rear crew cab doors in the medium position.	1	
1550-0005	Driver and officer cab door windows. Include forward vent windows.	1	
1550-0011	Rear crew cab door windows. Includes manual roll-down actuation. Not available on Typhoon or CII with paddle style door latching.	1	
1550-0016	Cab door panels ABS.	1	
1550-0025	All cab doors shall have "L" style exterior latches.	1	
1550-0027	Front cab door windows to have manual actuation.	1	
1550-0037-659	(4) Incandescent cab step area lighting. Locate each light in on each cab door in the inboard position. Lights to be switched with door ajar.	1	
1550-0044	All cab door kick plates to be made from diamond plate aluminum.	1	
1550-0059-000-G6	Reflective Red/Lemon Yellow printed striping positioned in the "A" formation located on the cab door panels.	1	
1550-0077	Interior cab door locks - manual. Will have manual actuation from each respective door. Includes barrel style key lock on each exterior cab door.	1	
1550-0084	All cab exterior access doors to have 1250 keyed locks.	1	
MIRRORS			
1670-0003	Velvac 2010 mirrors. Door mounted west coast style with remote control and heat.	1	
MISC EXTERIOR CAB OPTIONS			
1550-0020	Windows cab side fixed driver's side.	1	
1550-0033	Windows cab side fixed officer's side.	1	
1675-0022	Pair of 18" handrails located just behind driver and officer front door one each side.	1	
1675-0023	Pair of 18" handrails located just behind driver and officer rear door (ALS doors if equipped) one each side.	1	
1675-0030	Mud flaps, front, black with E-ONE logo.	1	
1675-0046	Rear cab wall to be smooth 3/16" aluminum plate. Cab wall to be finish painted to match the cab paint scheme.	1	
1675-0202	Mounting plate for battery charger receptacle, indicator, air inlet, etc (if	1	

Salescode	Extended Description	Qty	
MISC EXTERIOR CAB OPTIONS			
	applicable). Plate to be removable brushed stainless steel.		
HVAC			
1515-0017	Air conditioning for the Typhoon X, CII X and Quest with Cummins ISC/ISL engine and radiator mounted condenser.	1	
1515-0053	Controls for heating and air conditioning shall be located in the center dash area. (Lower area on Typhoon and CII with severe duty dash)	1	
SEATS			
1510-0003	Seats, Inc. brand 911 cab seats.	1	
1510-0007	Seat cover material vinyl.	1	
1510-0008	Seat color gray.	1	
1510-0038	Driver seat 911 air ride.	1	
1510-0042	Officer seat to be 911 fixed SCBA.	1	
1510-0050	Rear facing 911 seat with SCBA driver's side.	1	
1510-0053	Rear facing 911 seat with SCBA officer's side.	1	
1685-0031	Seating capacity tag of four occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0000	Cab interior gray. Does not include engine cover or seat color.	1	
1685-0006	Padded sun visors, driver and officer's side overhead.	1	
1685-0168	ABS Dash package. Includes center and officer side dash, lower kick panels and "A" post covers.	1	
1685-0187	Severe duty engine cover, molded polyurethane.	1	
1685-0496	ABS overhead console. Includes front full width overhead, air conditioning plenum and rear facing blower.	1	
1685-0532	Stepped profile rear engine cover.	1	
CAB ELECTRICAL OPTIONS			
1750-0024-179-04	Auto-Eject receptacle inlet 20 amp located outside driver's door next to handrail with a Yellow cover.	1	
1750-0046-195	Cab Headlights. Position: lower.	1	
1750-0072-592	12 VDC (or 24VDC) electrical outlet wired battery hot. Location: driver side dash.	1	
1750-0075	English dominant main cab gauge cluster.	1	
1750-0198-A31	Battery charger to be located behind driver's seat.	1	
1750-0215-172	Turn signal Whelen M6 LED arrow amber pair located upper headlight bezel.	1	

Salescode	Extended Description	Qty	
CAB ELECTRICAL OPTIONS			
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
1750-0435	Halogen cab headlights. TyphoonX, CIIX and QST2 only.	1	
1750-0449	Momentary DPF regeneration override switch.	1	
5400-0037	Dome Lts Red/White Incandescent. Package includes two lights mounted in the front and two mounted in the rear of the cab. White light wire through door and light assembly mounted switch. Red light through light assembly mounted switch.	1	
BODY COMPT LEFT SIDE			
3100-0222	Driver half side tandem body with 42" wide forward and 42" wide rearward compartmentation.	1	
BODY COMPT RIGHT SIDE			
3120-0378	Officer half side tandem body with 42" wide forward and 42" wide rearward compartmentation.	1	
BODY COMPT REAR			
3110-0130	Rear end tanker. Includes smooth plate upper and lower panels and a smooth plate center strip for a Jet or Newton Dump application.	1	
3340-0080	Bolt-on diamond plate 18" tailboard (full width of body). Includes (2) squared off beavertails (no stanchions) with removable outer panels and handrails- (2) vertical on trailing edge of body and horizontal mounted handrail(s) below hosebed.	1	
DOORS			
3300-0289-003	Door double vertical hinged w/rotary latches - painted . Location(s): L1 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-004	Door double vertical hinged w/rotary latches - painted . Location(s): L2 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-015	Door double vertical hinged w/rotary latches - painted . Location(s): R1 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-016	Door double vertical hinged w/rotary latches - painted . Location(s): R2 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
COVERS			

Salescode	Extended Description	Qty	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP MODULE			
3130-0167	Pump module to be 76" wide (side to side). Includes upper, lower, crosswalk, speedlay and tranverse module(s) if applicable.	1	
3130-0523	Side mount pump module. Extruded aluminum with runningboards.	1	
3130-0532	Pump panel opening is 39" wide. Pumper / tanker only.	1	
3130-0539	Pump module height is 75". Pumper / tanker only.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0055	Officer side upper pump access panel to be horizontal hinged with stainless steel door. Includes (2) push button latches and (2) hold open devices.	1	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	
PUMP MODULE OPTIONS			
3136-0058	E-ONE logo mounted one each side on pump module/preconnect panels. Logos to be sized as applicable to available space on panels.	1	
3136-0138	Pump module storage pan.	1	
3136-0139	Crosslay double 7.5" wide each to hold up to 200' of 2.0" DJ hose (each).	1	
WATER TANK			
4010-0099	Fill tower(s) to be located offset to officer side of water tank.	1	
4010-0193	2530 Gallon Tandem "T" Water Tank. UPF Poly III color fill towers. Note: Any foam cell(s) and/or storage options thru the tank will reduce the overall water capacity.	1	
WATER TANK OPTIONS			
4020-0004	Newton dump mounting plate.	1	
TANK PLUMBING			
4020-0018	Rear tank dump. Includes painted steel assembly with manual actuated valve on top of dump assembly. For use with slip on extension and chute.	1	
4450-0010	2" tank fill Akron manual valve.	1	
4450-0121	3" Tank to pump Akron air actuated valve w/4" tank connection.	1	

Salescode	Extended Description	Qty	
TANK PLUMBING			
4450-0149-198	2.5" rear direct tank fill. Includes swing handle control, swivel with droop and plug with retainer. Located to driver's side of the rear body.	1	
4450-0149-199	2.5" rear direct tank fill. Includes swing handle control, swivel with droop and plug with retainer. Located to officer's side of the rear body.	1	
LADDER STORAGE / RACKS			
3365-0189-198-L5	Manual drop-down portable tank storage rack. Includes forward and rearward securing clamps with manual releases. Locate rack to driver's side of body. Rack sized for steel framed 2500 portable tank.	1	
3365-0831	Hard Suction Storage Racks. Officer side hose bed side with adjustable tracks. Includes spring hold downs and scuff plates behind spring mounts (as applicable).	2	
HANDRAILS / STEPS			
3330-0277	Innovative Controls dual lighted LED folding steps rear NFPA. Includes folding steps on driver side rear of the body. (staggered stepped as applicable with tailboard depth) for NFPA hosebed access and handrail mounted on driver side upper hosebed side (as applicable).	1	
MISC BODY OPTIONS			
3340-0004	Hosebed above the booster tank. Includes forward hosebed and tower(s) cover plate work (as applicable). Hosebed adjustable divider extrusion rearward of the furthest tower is to run full width of the hosebed (as is practical with other hosebed mounted equipment).	1	
3340-0035	Divider Long. To run full length of hose bed (front to rear).	1	
3340-0058	Recessed fuel fill driver side wheel well.	1	
3340-0075	Body mainframe and hosebed side assemblies for a 90" high body.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0107	Diamond plate tandem axle wheel well. Includes bolt-on composite wheel well liners and fenderettes.	1	
3340-0110	The rear of each hose bed divider to have a hand hold cut-out(s).	1	
3340-0145	Rub rail for the body and pump area module(s).	1	
3340-0561	Access panel on back wall of the driver and officer side body compartments rearward of the wheel well for access to the frame mounted tow eyes.	1	
3340-0588	Slip-on painted steel dump elbow and 36" straight extension chute. Includes body mounted removable support arm and mounting brackets at rear of body for elbow and straight chute.	1	
3340-0681	Body mainframe layout line to be 24". Includes body and all applicable modules.	1	

Salescode	Extended Description	Qty	
PUMPS			
4005-0031	Rating 1500 GPM.	1	
4005-0196	Hale QMAX 1000-2250 GPM single stage pump. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PUMP OPTIONS			
4015-0038	Pump seal packing for Hale pump.	1	
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0098	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location on pump panel.	1	
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0014-581	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 1.	1	
4415-0014-582	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 2.	1	
4415-0016-584	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 2.	1	
4415-0034-583	3" Right Pump Panel Discharge Akron Manual Valve (Waterous pumps noted location to be forward lower port). Location: right side discharge 1.	1	
4415-0041	3" Deck Gun Discharge, Akron manual valve. (outlet shall terminate with MNPT threads unless extend gun is install)	1	
4417-0106-L65	Deck gun piping to be positioned centered in deck gun channel.	1	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	7	

Salescode	Extended Description	Qty	
DISCHARGE OPTIONS			
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
4417-0246	Dealer installed monitor, make and model as specified.	1	
PRESSURE GOVERNORS			
4465-0011	Class 1 TPG pressure governor. Includes, water, oil, volt and tachometer.	1	
GAUGES			
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0085-230	Innovative Controls 10 LED SL series tank level water gauge, additional. Location: officer rear.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	7	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0049	Vehicle data recorder - 2009 / 2016 NFPA compliant. Includes occupant detection shown in multiplex display. E-ONE chassis only.	1	
5010-0055-649	Vista IV display for V-MUX electrical system. Location: driver's side engine cover.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0504	Whelen MKEZ7 1.5" standard mount for front light bar (PR).	1	
5300-0506-000-4T	Front light bar LED color: Red with clear lenses (If applicable, includes side facing when colors are the same.)	1	
5300-0511	Light bar Whelen Freedom IV Model F4X7 72" with 8 LED modules. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0149-536	Whelen M6 Super LED lower level warning light package. Includes (10) red M6R LED light heads w/chrome flanges. Locate side facing lights: at forward most position, in rear wheel well offset to front, and on side of beavertail.	1	
WARNING LIGHTS			
5600-0080-479-06	Whelen beacon with LED upper beacon and 700 series Super LED (PR) model B6LED with red domes and Red LEDs. Location: rear upper body on aerial style	1	

Salescode	Extended Description	Qty	
WARNING LIGHTS			
	brackets.		
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-846	The primary electronic siren control is to be located center overhead console offset to driver side.	1	
SPEAKERS			
5510-0029-209	Speaker, Federal Signal Dynamax ES100 with "E-ONE" grille through bumper. Location: driver side front bumper.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0025	Marker light LED body/cab package. E-One custom cab and pumper or tanker body only.	1	
5150-0102	Whelen M6 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical 3 light housing and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0030	Ground light package LED - small.	1	
5380-0276	Compartment light package TecNiq T440 4" LED for small bodies.	1	
LIGHTS - DECK AND SCENE			
5390-0024-395	Deck Light - Truck-Lite (PR). Location: rear body/beavertail area on the trailing edge up high.	1	
5390-0216	Hose bed light Optronics LED model TLL44 Locate at front of hose bed. Switched with work light switch in cab.	1	
5390-0217	Crosslay light Optronics LED model TLL44. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0011	LED pump compartment light (EA).	1	
5400-0259	TecNiq model E10 pump panel LED light package with (3) lights per side pump panel. Pump panels over 45" may require additional lights. Side mount only.	1	
CONTROLS / SWITCHES			

Salescode	Extended Description	Qty	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
5100-0165	Audible door ajar alarm wired through door ajar light. For use with V-Mux Display only.	1	
CAMERAS / INTERCOM			
5350-0188	Federal Signal (Sony) back-up camera wire through multiplex display. Video displays automatically when transmission is in reverse.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
HOSE / NOZZLES			
7700-0053	PVC suction hose 6" X 10'. LIGHTWEIGHT SUCTION ONLY HOSE	2	
MISC LOOSE EQUIPMENT			
7600-0016	Wheel chocks 44" NFPA compliant, pair (PR) of Zico SAC-44. Up to 44" diameter tires. Includes mounting brackets.	1	
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0089	All applicable pump/pre-connect application modules are to have a sanded finish (not painted job color). Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.	1	
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	
8100-0176-000-17	Paint E-ONE chassis cab - Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0183-000-17	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0186-000-39	Paint exterior surface of outer steel wheels. Sikkens paint. Color: Job Color.	1	
INTERIOR PAINT			
8150-0011	The interior of the cab to be painted Zolatone gray.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	

Salescode	Extended Description	Qty	
STRIPING			
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
GRAPHICS			
8400-0067	E-ONE logo with grey backing on M6 series vertical tail light housing (PR).	1	
WARRANTY / STANDARD			
9100-0003	Lifetime Frame Stuctural Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
9100-0039	1 year full warranty.	1	
9100-0090	25 Year frame rail corrosion warranty. Includes liners (if equipped).	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0016	Approval Drawings-Standard.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	
Dealer Supplied Equipment			

ITEM #16
HP75 Ladder Typhoon

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Typhoon HP75 Ladder
Item #16

Quotation Number: 72761 Rev: 12

Unit Description: AERM-TYPH-075L

Quote Description: Aerial Rear Mount, Typhoon, HP75 Ladder Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0001	Hosebed hoseload allowance on the apparatus shall be 1000 lbs.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3340-1137-12C	Equipment allowance on the apparatus shall be 2500 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
BUMPERS			
1160-0000	Bumper 10" stainless steel.	1	
1160-0011	4" Front Bumper Extension.	1	
1160-0020	License plate holder mounted center of front bumper.	1	
FRAME ASSEMBLY			
1250-0080	Frame assembly with 10.25 x 3.5 x .375 powder coated galvanized rails.	1	
1250-0083	Frame liner 9.375 x 3.125 x .375, galvanized and powder coated.	1	
1250-0092	GEOMET coated frame assembly fasteners.	1	
AXLE OPTIONS			
1025-0018	Meritor RS-30-185 single rear axle 31,000 lb. capacity.	1	
1025-0028	Koni shock absorbers for front axle - adjustable.	1	
1025-0123	Meritor FL941 front axle 19,840 lb.	1	
SUSPENSIONS			
1070-0012	Reyco rear suspension springs rated equal to the capacity of the axle.	1	

Salescode	Extended Description	Qty	
WHEEL OPTIONS			
1050-0007	Front axle wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center cap with E-ONE logo. Note: Center cap will have an inspection port IPO a logo if equipped with Stemco oil seals.	1	
1050-0008	Rear axle (single) wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center cap with E-ONE logo. E-ONE custom chassis w/steel wheels will have chrome plated plastic lug covers.	1	
1050-0044	Accuride aluminum wheels for front axle (2).	1	
1050-0045	Accuride aluminum wheels for rear axle (4).	1	
TIRE OPTIONS			
1060-0006	Four Michelin 315 tires model XZA-1 for rear axle	1	
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
1060-0155	Two Michelin 385 tires model X MULTIWAY HD XZE for front axle.	1	
BRAKE SYSTEMS			
1100-0000	16-1/2" x 6" S-cam brakes with ArvinMeritor automatic slack adjusters for front axle.	1	
1100-0002	ArvinMeritor 16-1/2" x 7" S-cam brakes with cast brake drums for a single rear axle.	1	
1100-0005	Brake system air 4X2/4X4.	1	
1100-0006	Parking brake release mounted on the driver's side lower dash.	1	
AIR SYSTEM OPTIONS			
1110-0000-001	Inlet for air system. Location: driver door jamb.	1	
1110-0002	Air dryer Bendix AD-9.	1	
1110-0006	Air lines nylon.	1	
1110-0041	Air horns Grover recessed in bumper (PR).	1	
ENGINES & TRANSMISSIONS			
1200-0017	Push-button transmission shift selector.	1	
1200-0020	TransSynd synthetic transmission fluid for EVS3000.	1	
1200-0096	Electronic speed limiting set at 60 MPH.	1	
1200-0341	Eng/Trans Cummins L9 450HP/EVS3000 2017 EPA compliant engine.	1	
SECONDARY BRAKING			

Salescode	Extended Description	Qty	
SECONDARY BRAKING			
1125-0002	Jacobs engine compression brake.	1	
1125-0023	Transmission to seek second gear when Jacobs engine brake or Telma retarder is engaged. N/A with Trans retarder.	1	
COOLING PACKAGE			
1800-0013	Cooling system for use with Cyclone II X, Typhoon X, and Quest chassis. For use with 2010 - 2017 EPA engines. Includes coolant recovery system.	1	
FUEL SYSTEMS			
1350-0003	Fuel system 50 gallon.	1	
1350-0022	Fuel line hose rubber.	1	
ALTERNATOR			
1700-0005	Alternator Leece Neville 320 amp. 320 amp SAE/272 amp NFPA.	1	
BATTERIES			
1400-0002	Battery four group 31 1000 CCA.	1	
CHASSIS OPTIONS			
1680-0005	Thermatic fan clutch.	1	
1680-0006	Drivelines 1710.	1	
1680-0008	Tow eyes front painted below bumper/cab (PR).	1	
1680-0012	Tow eyes rear frame painted black.	1	
1680-0051	Aerial hydraulic activation system.	1	
1680-0250-M58	Diesel Exhaust Fluid (DEF) 5 gallon tank for 2013 / 2016 EPA engines. Location: left side below rear of cab.	1	
CAB MODEL			
1520-0012	Typhoon X long cab with 67.5" CA	1	
CAB ROOF TYPE			
1615-0010	Cab roof to be "flat" (non-vista).	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
GRILLE			
1620-0004	ABS chrome plated grille.	1	

Salescode	Extended Description	Qty	
CAB DOOR OPTIONS			
1550-0003	Rear crew cab doors in the medium position.	1	
1550-0005	Driver and officer cab door windows. Include forward vent windows.	1	
1550-0011	Rear crew cab door windows. Includes manual roll-down actuation. Not available on Typhoon or CII with paddle style door latching.	1	
1550-0016	Cab door panels ABS.	1	
1550-0025	All cab doors shall have "L" style exterior latches.	1	
1550-0027	Front cab door windows to have manual actuation.	1	
1550-0038-659	(4) LED cab step area lighting. Locate each light on each cab door in the inboard position. Lights to be switched with door ajar.	1	
1550-0044	All cab door kick plates to be made from diamond plate aluminum.	1	
1550-0059-000-G6	Reflective Red/Lemon Yellow printed striping positioned in the "A" formation located on the cab door panels.	1	
1550-0077	Interior cab door locks - manual. Will have manual actuation from each respective door. Includes barrel style key lock on each exterior cab door.	1	
1550-0083	All cab exterior access doors to have CH751 keyed locks.	1	
CAB STEP OPTIONS			
1640-0045-158	Step below cab door. Open back style with angled corners. Located driver's front door. Steps under front cab doors shall not interfere with approach angle.	1	
1640-0045-159	Step below cab door. Open back style with angled corners. Located officer's front door. Steps under front cab doors shall not interfere with approach angle.	1	
1640-0045-160	Step below cab door. Open back style with angled corners. Located driver side rear door. Steps under front cab doors shall not interfere with approach angle.	1	
1640-0045-161	Step below cab door. Open back style with angled corners. Located officer side rear door. Steps under front cab doors shall not interfere with approach angle.	1	
MIRRORS			
1670-0003	Velvac 2010 mirrors. Door mounted west coast style with remote control and heat.	1	
MISC EXTERIOR CAB OPTIONS			
1550-0020	Windows cab side fixed driver's side.	1	
1550-0033	Windows cab side fixed officer's side.	1	
1675-0022	Pair of 18" handrails located just behind driver and officer front door one each side.	1	
1675-0023	Pair of 18" handrails located just behind driver and officer rear door (ALS doors if equipped) one each side.	1	

Salescode	Extended Description	Qty	
MISC EXTERIOR CAB OPTIONS			
1675-0030	Mud flaps, front, black with E-ONE logo.	1	
1675-0046	Rear cab wall to be smooth 3/16" aluminum plate. Cab wall to be finish painted to match the cab paint scheme.	1	
1675-0202	Mounting plate for battery charger receptacle, indicator, air inlet, etc (if applicable). Plate to be removable brushed stainless steel.	1	
HVAC			
1515-0017	Air conditioning for the Typhoon X, CII X and Quest with Cummins ISC/ISL engine and radiator mounted condenser.	1	
1515-0048	Controls for heating and air conditioning shall be located in the driver side lower dash area. For use without front air bags only.	1	
SEATS			
1510-0003	Seats, Inc. brand 911 cab seats.	1	
1510-0007	Seat cover material vinyl.	1	
1510-0008	Seat color gray.	1	
1510-0035-147	Universal air pack bottle bracket (EA). Location: officer's seat.	1	
1510-0035-148	Universal air pack bottle bracket (EA). Location: rear facing driver's side.	1	
1510-0035-151	Universal air pack bottle bracket (EA). Location: inboard driver's side rear wall.	1	
1510-0035-152	Universal air pack bottle bracket (EA). Location: inboard officer's side rear wall.	1	
1510-0035-215	Universal air pack bottle bracket (EA). Location: rear facing officer's side.	1	
1510-0038	Driver seat 911 air ride.	1	
1510-0042	Officer seat to be 911 fixed SCBA.	1	
1510-0050	Rear facing 911 seat with SCBA driver's side.	1	
1510-0053	Rear facing 911 seat with SCBA officer's side.	1	
1510-0062	Two man bench centered on rear wall with 911 SCBA backs. Includes angled corners.	1	
1685-0033	Seating capacity tag of six occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0000	Cab interior gray. Does not include engine cover or seat color.	1	
1685-0005	Lexan sun visors, driver and officer's side overhead.	1	
1685-0168	ABS Dash package. Includes center and officer side dash, lower kick panels and "A" post covers.	1	
1685-0187	Severe duty engine cover, molded polyurethane.	1	

Salescode	Extended Description	Qty	
MISC INTERIOR CAB OPTIONS			
1685-0496	ABS overhead console. Includes front full width overhead, air conditioning plenum and rear facing blower.	1	
1685-0532	Stepped profile rear engine cover.	1	
CAB ELECTRICAL OPTIONS			
1750-0046-195	Cab Headlights. Position: lower.	1	
1750-0059-179-04	Receptacle inlet 20 amp with a Yellow cover. Location: outside driver's door next to handrail.	1	
1750-0072-592	12 VDC (or 24VDC) electrical outlet wired battery hot. Location: driver side dash.	1	
1750-0075	English dominant main cab gauge cluster.	1	
1750-0158	Dome Lts Red/White LED. Package includes two lights mounted in the front and two mounted in the rear of the cab. White light wired through door and light assembly switch. Red light through light assembly switch.	1	
1750-0198-A31	Battery charger to be located behind driver's seat.	1	
1750-0215-172	Turn signal Whelen M6 LED arrow amber pair located upper headlight bezel.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
1750-0435	Halogen cab headlights. TyphoonX, CIIX and QST2 only.	1	
1750-0449	Momentary DPF regeneration override switch.	1	
1750-0666	Aerial PTO hourmeter in cab.	1	
BODY MODEL			
3080-0010	Body aerial HP75 / HP78 SideStacker Quest / CII / Typhoon with pump. Single axle. Includes pocket style drop down step at left rear staircase. The rear access doors to match the rear body finish.	1	
BODY COMPT REAR			
3110-0360	Rear of body to have un-painted smooth plate overlay style body panels to facilitate rear body striping.	1	
AERIAL BODY OPTIONS			
3310-0033	Pike pole/ladder storage. Available on HP75 SideStacker only. The access door to match the rear body finish.	1	
3310-0051	Crosslay double to hold up to 200' of 2.0" DJ (each). Includes storage pan to rear of crosslays (if applicable).	1	
3310-0090	Hose bed depth 18" HP75 / HP78 SideStacker. Will hold up to 1200' of 5" LDH. Capacity will be reduced with diamond plate covers.	1	
3310-0161	Jack leg opening covers diamond plate (2) sets. Includes diamond plate outrigger	1	

Salescode	Extended Description	Qty	
AERIAL BODY OPTIONS			
	covers and fixed diamond plate filler panels.		
3310-0314	Auxiliary jack pad 24X24 (2) with 20 degree formed handle. Includes mounting brackets.	1	
DOORS			
3300-0017-004	Door roll up short (up to 45") with satin finish ROM. Location(s): L2.	1	
3300-0017-005	Door roll up short (up to 45") with satin finish ROM. Location(s): L3.	1	
3300-0017-015	Door roll up short (up to 45") with satin finish ROM. Location(s): R1.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-006	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L4.	1	
3300-0289-016	Door double vertical hinged w/rotary latches - painted . Location(s): R2 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP MODULE			
3130-0076	Pump panel opening is 48.5" wide.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0055	Officer side upper pump access panel to be horizontal hinged with stainless steel door. Includes (2) push button latches and (2) hold open devices.	1	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	
WATER TANK			
4010-0198	500 gallon "T" water tank. UPF Poly III blue fill tower.	1	
TANK PLUMBING			
4450-0010	2" tank fill Akron manual valve.	1	
4450-0022	3" tank to pump Akron manual valve.	1	
LADDER STORAGE / RACKS			
3365-0014-610	Dual ladder tunnel for HP75 / HP78 SideStacker. Ladder rack to hold: PEL3-35,	1	

Salescode	Extended Description	Qty	
LADDER STORAGE / RACKS			
	PEL-24 and (2) PRL-16. Requires roof ladder option on base section of aerial to meet 115' NFPA requirement.		
HANDRAILS / STEPS			
3330-0001	Slide-out platform, integral driver side running board (includes hand rail as applicable).	1	
MISC BODY OPTIONS			
3340-0015	Diamond plate single axle wheel well. Includes bolt-on composite wheel well liners and aluminum trim fenderettes.	1	
3340-0035	Divider Long. To run full length of hose bed (front to rear).	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0110	The rear of each hose bed divider to have a hand hold cut-out(s).	1	
3340-0270	The painted aerial body side panels shall be smooth / flush. Applies to SideStacker HB side, panels next to water tank on MM, and upper body sides on RLP.	1	
PUMPS			
4005-0031	Rating 1500 GPM.	1	
4005-0196	Hale QMAX 1000-2250 GPM single stage pump. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PUMP OPTIONS			
4015-0038	Pump seal packing for Hale pump.	1	
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0073	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location below running board on driver side (or area directly to rear of panel if no room below panel).	1	
4015-0210	Pump cooler with Innovative Control 1/4 turn valve with "T" handle and label.	1	
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			

Salescode	Extended Description	Qty	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0051	4" Waterway Discharge with 3" Akron Manual Valve.	1	
4415-0161-581	2.5" Left Panel Discharge Akron Manual Valve w/30 Degree Chrome Droop. Location: left side discharge 1.	1	
4415-0161-582	2.5" Left Panel Discharge Akron Manual Valve w/30 Degree Chrome Droop. Location: left side discharge 2.	1	
4415-0164-583	2.5" Right Panel Discharge Akron Manual Valve w/30 Degree Chrome Droop. Location: right side discharge 1.	1	
4415-0164-584	2.5" Right Panel Discharge Akron Manual Valve w/30 Degree Chrome Droop. Location: right side discharge 2.	1	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	7	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
PRESSURE GOVERNORS			
4465-0011	Class 1 TPG pressure governor. Includes, water, oil, volt and tachometer.	1	
GAUGES			
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	7	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			
5010-0039	V-MUX Electrical system for aerials.	1	
5010-0049	Vehicle data recorder - 2009 / 2016 NFPA compliant. Includes occupant detection shown in multiplex display. E-ONE chassis only.	1	
5010-0055-649	Vista IV display for V-MUX electrical system. Location: driver's side engine cover.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	

Salescode	Extended Description	Qty	
LIGHT BARS			
5300-0506-000-4T	Front light bar LED color: Red with clear lenses (If applicable, includes side facing when colors are the same.)	1	
5300-0515	Whelen MKEZ7 1.5" standard mount for mini front light bars (4).	1	
5300-0524-035	Whelen F4 Mini-Freedom LED light bars (PR) 21.5" with 5 LEDs in each bar. Location: front cab corners at 20 degree angle.	1	
WARNING LIGHT PACKAGES			
5550-0483-537-4U	Whelen C-Series model C6L Super LED lower level warning light package. Includes (10) light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, on side of cab down low just ahead of rear door, and on rear fixed outrigger cover.	1	
WARNING LIGHTS			
5600-0078-268-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location each side of pump module offset to the rear.	1	
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0015	Whelen model 295SLSA1 siren with microphone (replaced 295HFSA1).	1	
5500-0024-170	The primary electronic siren control is to be located center overhead.	1	
SPEAKERS			
5510-0049-209	Whelen SP123BMC electronic siren speaker recessed in front bumper. Location: driver side front bumper.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0026	Marker light LED body/cab package. E-ONE custom cab with aerial ladder, Mid-Mount platform or Bronto bodies only.	1	
5150-0129	Whelen M6 series LED horizontal mount tail lights. Includes LED stop/tail, arrow turn and back-up lights individually mounted with weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0012	Compartment light package Truck-Lite LED for medium bodies.	1	
5380-0030	Ground light package LED - small.	1	
5380-0036	Step light package body LED - small.	1	

Salescode	Extended Description	Qty	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0323	The auxiliary steps below the cab doors to have EON LED lights to illuminate the stepping surface and ground below (IPO lights indicated in the main ground light package).	1	
5380-0325	EON LED ladder tunnel light (EA).	3	
LIGHTS - DECK AND SCENE			
5390-0001	Hose bed light Unity. Locate at front area of hose bed. Switched with work light switch in cab.	1	
5390-0005	Crosslay light deck Unity. Locate to rear of crosslay (SM) or forward of crosslay (TM).	1	
5390-0018-445	Whelen 600 series 26 degree scenelights (PR) with weatherproof connectors. Switch in cab (driver and officer side facing lights switched separately). Locate up high on rear access door.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0010	Incandescent pump compartment light (EA).	1	
5400-0259	TecNiq model E10 pump panel LED light package with (3) lights per side pump panel. Pump panels over 45" may require additional lights. Side mount only.	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
5100-0000-199	Foot switch to control air horns located officer's side.	1	
5100-0165	Audible door ajar alarm wired through door ajar light. For use with V-Mux Display only.	1	
CAMERAS / INTERCOM			
5350-0156	FRC ACT 2-way aerial intercom.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
AERIAL MODEL			
6100-0005	Ladder HP75 with waterway. Includes left side console with cover, split steps at tip and jack leg flood lights.	1	
AERIAL HYDRAULIC SYSTEM OPTIONS			
6150-0003-216	Gauge aerial hydraulic oil level. Electronic display to be located on pump operator's panel.	1	

Salescode	Extended Description	Qty	
AERIAL CONTROLS			
6850-0026	Direct hydraulic aerial control system.	1	
MONITORS			
6300-0017	Monitor painted silver from OEM.	1	
6300-0077	Monitor Akron StreamMaster II w/5177 electric nozzle 1000 GPM for ladder. Includes tip and base controls.	1	
AERIAL WARNING LIGHTS			
6550-0001	Outrigger warning lights (PR) LED. Truck-Lite model 91R.	1	
AERIAL LIGHTING			
6560-0041	Whelen LED model PFBP12C at base (PR).	1	
6560-0163-231	Light Whelen Micro Pioneer model MPPWCS low profile pedestal mount with a white housing with chrome cover. Switched at light head and base console. Location(s): left side tip.	1	
WATERWAY OPTIONS			
6350-0000	Pinned waterway - upgrade. Waterway pins to section 2 or 3 on HP75 / HP78 and to section 3 or 4 on LTH100, HM100, HR100 and CR100.	1	
6350-0005	Rear 4" NST waterway inlet for rear mounted aerials. Includes chrome cap.	1	
6350-0010	Flowminder with single readout and totalizer for the aerial waterway to be located at the aerial control station.	1	
6350-0067	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel. Locate next to waterway inlet.	1	
AERIAL LADDER BRACKETS			
6600-0002-250	Roof ladder bracket J style mount. Locate outside base section for a PRL-16 on left side of base section. Available on HP75/78, HP100, and HP95.	1	
SIGN PLATES			
6750-0000-000-39	Aerial sign plates 10 x 144 (PR). Available on Booms, HP75 and HP100 only. Does not include lettering. Color: Job Color.	1	
AERIAL TESTING			
6900-0000	Aerial flow test - 3rd party.	1	
6900-0007	Aerial 2016 NFPA Certification.	1	
GROUND LADDERS			
7800-0002	Alco-Lite FL-10, 10' folding ladder without shoes.	1	

Salescode	Extended Description	Qty	
GROUND LADDERS			
7800-0010	Alco-Lite PRL-16' roof ladder.	3	
7800-0016	Alco-Lite PEL-24' 2-section extension ladder.	1	
7800-0023	Alco-Lite PEL3-35' 3-section extension ladder.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0089	All applicable pump/pre-connect application modules are to have a sanded finish (not painted job color). Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.	1	
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	
8100-0176-000-17	Paint E-ONE chassis cab - Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0183-000-17	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0354	Paint lift cylinders, extension cylinders and upper turntable steelwork primary job color (does not apply to TT deck).	1	
INTERIOR PAINT			
8150-0011	The interior of the cab to be painted Zolatone gray.	1	
STRIPING			
8200-0015	White reflective tape on (2) outriggers.	1	
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
GRAPHICS			
8400-0022	Logo E-ONE (PR) on aerial lift cylinder. Logo to be black and white reflective material approx 14" long located midway along outward surface of cylinder.	1	
WARRANTY / STANDARD			

Salescode	Extended Description	Qty	
WARRANTY / STANDARD			
9100-0000	Standard 1 Year Warranty.	1	
9100-0003	Lifetime Frame Stuctural Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0007	20 Year Aerial Device Structural Warranty - Integrity Limited Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
9100-0090	25 Year frame rail corrosion warranty. Includes liners (if equipped).	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0000	Vehicle familiarization aerial (Domestic). 3 days. Use 9300-0315 for additional days.	1	
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0016	Approval Drawings-Standard.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	
Dealer Supplied Equipment			

ITEM #17
HP78 Ladder
Typhoon

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Typhoon HP78 Ladder
Item #17

Quotation Number: 72762 Rev: 8

Unit Description: AERM-CYC2-078L

Quote Description: Aerial Rear Mount, Cyclone II, HP78 Ladder Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0001	Hosebed hoseload allowance on the apparatus shall be 1000 lbs.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3340-1137-12C	Equipment allowance on the apparatus shall be 2500 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
BUMPERS			
1160-0000	Bumper 10" stainless steel.	1	
1160-0011	4" Front Bumper Extension.	1	
FRAME ASSEMBLY			
1250-0081	Frame assembly with 12 x 3.5 x .375 powder coated galvanized rails.	1	
1250-0084	Frame liner 11.125 x 3.125 x .375, galvanized and powder coated.	1	
1250-0092	GEOMET coated frame assembly fasteners.	1	
AXLE OPTIONS			
1025-0028	Koni shock absorbers for front axle - adjustable.	1	
1025-0097	Meritor RS-30-185 single rear axle 33,000 lb. capacity. Requires 16.5" x 8.625" cast shoe brakes and 33K suspension.	1	
1025-0123	Meritor FL941 front axle 19,840 lb.	1	
SUSPENSIONS			
1070-0017	Reyco rear spring suspension w/aux 33K rating.	1	

Salescode	Extended Description	Qty	
WHEEL OPTIONS			
1050-0007	Front axle wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center cap with E-ONE logo. Note: Center cap will have an inspection port IPO a logo if equipped with Stemco oil seals.	1	
1050-0008	Rear axle (single) wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center cap with E-ONE logo. E-ONE custom chassis w/steel wheels will have chrome plated plastic lug covers.	1	
1050-0044	Accuride aluminum wheels for front axle (2).	1	
1050-0045	Accuride aluminum wheels for rear axle (4).	1	
TIRE OPTIONS			
1060-0006	Four Michelin 315 tires model XZA-1 for rear axle	1	
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
1060-0155	Two Michelin 385 tires model X MULTIWAY HD XZE for front axle.	1	
BRAKE SYSTEMS			
1100-0000	16-1/2" x 6" S-cam brakes with ArvinMeritor automatic slack adjusters for front axle.	1	
1100-0005	Brake system air 4X2/4X4.	1	
1100-0006	Parking brake release mounted on the driver's side lower dash.	1	
1100-0036	16.5" x 8.625" P-Cast S-cam brakes for 27,000 - 33,000 Meritor axle.	1	
AIR SYSTEM OPTIONS			
1110-0000-001	Inlet for air system. Location: driver door jamb.	1	
1110-0002	Air dryer Bendix AD-9.	1	
1110-0006	Air lines nylon.	1	
1110-0041	Air horns Grover recessed in bumper (PR).	1	
ENGINES & TRANSMISSIONS			
1200-0017	Push-button transmission shift selector.	1	
1200-0020	TransSynd synthetic transmission fluid for EVS3000.	1	
1200-0096	Electronic speed limiting set at 60 MPH.	1	
1200-0341	Eng/Trans Cummins L9 450HP/EVS3000 2017 EPA compliant engine.	1	
SECONDARY BRAKING			
1125-0002	Jacobs engine compression brake.	1	

Salescode	Extended Description	Qty	
SECONDARY BRAKING			
1125-0023	Transmission to seek second gear when Jacobs engine brake or Telma retarder is engaged. N/A with Trans retarder.	1	
COOLING PACKAGE			
1800-0013	Cooling system for use with Cyclone II X, Typhoon X, and Quest chassis. For use with 2010 - 2017 EPA engines. Includes coolant recovery system.	1	
FUEL SYSTEMS			
1350-0003	Fuel system 50 gallon.	1	
1350-0022	Fuel line hose rubber.	1	
ALTERNATOR			
1700-0005	Alternator Leece Neville 320 amp. 320 amp SAE/272 amp NFPA.	1	
BATTERIES			
1400-0002	Battery four group 31 1000 CCA.	1	
CHASSIS OPTIONS			
1680-0005	Thermatic fan clutch.	1	
1680-0006	Drivelines 1710.	1	
1680-0008	Tow eyes front painted below bumper/cab (PR).	1	
1680-0012	Tow eyes rear frame painted black.	1	
1680-0051	Aerial hydraulic activation system.	1	
1680-0250-M58	Diesel Exhaust Fluid (DEF) 5 gallon tank for 2013 / 2016 EPA engines. Location: left side below rear of cab.	1	
CAB MODEL			
1520-0010	Cyclone II X long cab with 67.5" CA	1	
CAB ROOF TYPE			
1615-0010	Cab roof to be "flat" (non-vista).	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
CAB DOOR OPTIONS			
1550-0003	Rear crew cab doors in the medium position.	1	
1550-0006	Driver and officer cab door windows. Include rear fixed window.	1	

Salescode	Extended Description	Qty	
CAB DOOR OPTIONS			
1550-0011	Rear crew cab door windows. Includes manual roll-down actuation. Not available on Typhoon or CII with paddle style door latching.	1	
1550-0016	Cab door panels ABS.	1	
1550-0025	All cab doors shall have "L" style exterior latches.	1	
1550-0027	Front cab door windows to have manual actuation.	1	
1550-0037-659	(4) Incandescent cab step area lighting. Locate each light in on each cab door in the inboard position. Lights to be switched with door ajar.	1	
1550-0044	All cab door kick plates to be made from diamond plate aluminum.	1	
1550-0059-000-G6	Reflective Red/Lemon Yellow printed striping positioned in the "A" formation located on the cab door panels.	1	
1550-0077	Interior cab door locks - manual. Will have manual actuation from each respective door. Includes barrel style key lock on each exterior cab door.	1	
1550-0084	All cab exterior access doors to have 1250 keyed locks.	1	
CAB STEP OPTIONS			
1640-0045-158	Step below cab door. Open back style with angled corners. Located driver's front door. Steps under front cab doors shall not interfere with approach angle.	1	
1640-0045-159	Step below cab door. Open back style with angled corners. Located officer's front door. Steps under front cab doors shall not interfere with approach angle.	1	
1640-0045-160	Step below cab door. Open back style with angled corners. Located driver side rear door. Steps under front cab doors shall not interfere with approach angle.	1	
1640-0045-161	Step below cab door. Open back style with angled corners. Located officer side rear door. Steps under front cab doors shall not interfere with approach angle.	1	
MIRRORS			
1670-0001-274	Ramco 6001FFR mirrors. Remote controlled with top CAS750 convex. Location: mounted on front corners of cab.	1	
MISC EXTERIOR CAB OPTIONS			
1550-0020	Windows cab side fixed driver's side.	1	
1550-0033	Windows cab side fixed officer's side.	1	
1675-0022	Pair of 18" handrails located just behind driver and officer front door one each side.	1	
1675-0023	Pair of 18" handrails located just behind driver and officer rear door (ALS doors if equipped) one each side.	1	
1675-0030	Mud flaps, front, black with E-ONE logo.	1	
1675-0046	Rear cab wall to be smooth 3/16" aluminum plate. Cab wall to be finish painted	1	

Salescode	Extended Description	Qty	
MISC EXTERIOR CAB OPTIONS			
	to match the cab paint scheme.		
1675-0202	Mounting plate for battery charger receptacle, indicator, air inlet, etc (if applicable). Plate to be removable brushed stainless steel.	1	
HVAC			
1515-0017	Air conditioning for the Typhoon X, CII X and Quest with Cummins ISC/ISL engine and radiator mounted condenser.	1	
1515-0053	Controls for heating and air conditioning shall be located in the center dash area. (Lower area on Typhoon and CII with severe duty dash)	1	
SEATS			
1510-0003	Seats, Inc. brand 911 cab seats.	1	
1510-0007	Seat cover material vinyl.	1	
1510-0008	Seat color gray.	1	
1510-0035-147	Universal air pack bottle bracket (EA). Location: officer's seat.	1	
1510-0035-148	Universal air pack bottle bracket (EA). Location: rear facing driver's side.	1	
1510-0035-151	Universal air pack bottle bracket (EA). Location: inboard driver's side rear wall.	1	
1510-0035-152	Universal air pack bottle bracket (EA). Location: inboard officer's side rear wall.	1	
1510-0035-215	Universal air pack bottle bracket (EA). Location: rear facing officer's side.	1	
1510-0038	Driver seat 911 air ride.	1	
1510-0042	Officer seat to be 911 fixed SCBA.	1	
1510-0050	Rear facing 911 seat with SCBA driver's side.	1	
1510-0053	Rear facing 911 seat with SCBA officer's side.	1	
1510-0062	Two man bench centered on rear wall with 911 SCBA backs. Includes angled corners.	1	
1685-0033	Seating capacity tag of six occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0000	Cab interior gray. Does not include engine cover or seat color.	1	
1685-0006	Padded sun visors, driver and officer's side overhead.	1	
1685-0168	ABS Dash package. Includes center and officer side dash, lower kick panels and "A" post covers.	1	
1685-0187	Severe duty engine cover, molded polyurethane.	1	
1685-0496	ABS overhead console. Includes front full width overhead, air conditioning plenum and rear facing blower.	1	

Salescode	Extended Description	Qty	
MISC INTERIOR CAB OPTIONS			
1685-0532	Stepped profile rear engine cover.	1	
CAB ELECTRICAL OPTIONS			
1750-0024-179-04	Auto-Eject receptacle inlet 20 amp located outside driver's door next to handrail with a Yellow cover.	1	
1750-0046-195	Cab Headlights. Position: lower.	1	
1750-0072-592	12 VDC (or 24VDC) electrical outlet wired battery hot. Location: driver side dash.	1	
1750-0075	English dominant main cab gauge cluster.	1	
1750-0158	Dome Lts Red/White LED. Package includes two lights mounted in the front and two mounted in the rear of the cab. White light wired through door and light assembly switch. Red light through light assembly switch.	1	
1750-0198-A31	Battery charger to be located behind driver's seat.	1	
1750-0215-172	Turn signal Whelen M6 LED arrow amber pair located upper headlight bezel.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
1750-0435	Halogen cab headlights. TyphoonX, CIIX and QST2 only.	1	
1750-0449	Momentary DPF regeneration override switch.	1	
1750-0666	Aerial PTO hourmeter in cab.	1	
BODY MODEL			
3080-0010	Body aerial HP75 / HP78 SideStacker Quest / CII / Typhoon with pump. Single axle. Includes pocket style drop down step at left rear staircase. The rear access doors to match the rear body finish.	1	
BODY COMPT REAR			
3110-0360	Rear of body to have un-painted smooth plate overlay style body panels to facilitate rear body striping.	1	
AERIAL BODY OPTIONS			
3310-0033	Pike pole/ladder storage. Available on HP75 SideStacker only. The access door to match the rear body finish.	1	
3310-0051	Crosslay double to hold up to 200' of 2.0" DJ (each). Includes storage pan to rear of crosslays (if applicable).	1	
3310-0090	Hose bed depth 18" HP75 / HP78 SideStacker. Will hold up to 1200' of 5" LDH. Capacity will be reduced with diamond plate covers.	1	
3310-0161	Jack leg opening covers diamond plate (2) sets. Includes diamond plate outrigger covers and fixed diamond plate filler panels.	1	
3310-0314	Auxiliary jack pad 24X24 (2) with 20 degree formed handle. Includes mounting	1	

Salescode	Extended Description	Qty	
AERIAL BODY OPTIONS			
	brackets.		
DOORS			
3300-0017-004	Door roll up short (up to 45") with satin finish ROM. Location(s): L2.	1	
3300-0017-005	Door roll up short (up to 45") with satin finish ROM. Location(s): L3.	1	
3300-0017-015	Door roll up short (up to 45") with satin finish ROM. Location(s): R1.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-006	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L4.	1	
3300-0289-016	Door double vertical hinged w/rotary latches - painted . Location(s): R2 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP MODULE			
3130-0076	Pump panel opening is 48.5" wide.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0055	Officer side upper pump access panel to be horizontal hinged with stainless steel door. Includes (2) push button latches and (2) hold open devices.	1	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	
WATER TANK			
4010-0198	500 gallon "T" water tank. UPF Poly III blue fill tower.	1	
TANK PLUMBING			
4450-0010	2" tank fill Akron manual valve.	1	
4450-0022	3" tank to pump Akron manual valve.	1	
LADDER STORAGE / RACKS			
3365-0014-610	Dual ladder tunnel for HP75 / HP78 SideStacker. Ladder rack to hold: PEL3-35, PEL-24 and (2) PRL-16. Requires roof ladder option on base section of aerial to meet 115' NFPA requirement.	1	

Salescode	Extended Description	Qty	
HANDRAILS / STEPS			
3330-0002-050	Slide-out platform, rollerless. Includes chrome grab handle centered on the front face of the platform (includes hand rail as applicable). Located below driver side pump panel.	1	
3330-0100-V90	Step below body. Located below front of officer side pump panel. Each location requires a minimum of (1) handrail / handhold per NFPA.	1	
MISC BODY OPTIONS			
3340-0015	Diamond plate single axle wheel well. Includes bolt-on composite wheel well liners and aluminum trim fenderettes.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0270	The painted aerial body side panels shall be smooth / flush. Applies to SideStacker HB side, panels next to water tank on MM, and upper body sides on RLP.	1	
PUMPS			
4005-0031	Rating 1500 GPM.	1	
4005-0196	Hale QMAX 1000-2250 GPM single stage pump. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PUMP OPTIONS			
4015-0038	Pump seal packing for Hale pump.	1	
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0073	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location below running board on driver side (or area directly to rear of panel if no room below panel).	1	
4015-0210	Pump cooler with Innovative Control 1/4 turn valve with "T" handle and label.	1	
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			

Salescode	Extended Description	Qty	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0051	4" Waterway Discharge with 3" Akron Manual Valve.	1	
4415-0161-581	2.5" Left Panel Discharge Akron Manual Valve w/30 Degree Chrome Droop. Location: left side discharge 1.	1	
4415-0161-582	2.5" Left Panel Discharge Akron Manual Valve w/30 Degree Chrome Droop. Location: left side discharge 2.	1	
4415-0164-583	2.5" Right Panel Discharge Akron Manual Valve w/30 Degree Chrome Droop. Location: right side discharge 1.	1	
4415-0164-584	2.5" Right Panel Discharge Akron Manual Valve w/30 Degree Chrome Droop. Location: right side discharge 2.	1	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	7	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
PRESSURE GOVERNORS			
4465-0011	Class 1 TPG pressure governor. Includes, water, oil, volt and tachometer.	1	
GAUGES			
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	7	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			
5010-0039	V-MUX Electrical system for aerials.	1	
5010-0049	Vehicle data recorder - 2009 / 2016 NFPA compliant. Includes occupant detection shown in multiplex display. E-ONE chassis only.	1	
5010-0055-649	Vista IV display for V-MUX electrical system. Location: driver's side engine cover.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0506-000-4T	Front light bar LED color: Red with clear lenses (If applicable, includes side facing	1	

Salescode	Extended Description	Qty	
LIGHT BARS			
	when colors are the same.)		
5300-0514	Whelen MK9S short slide bolt bracket mount for mini front light bars (4).	1	
5300-0524-035	Whelen F4 Mini-Freedom LED light bars (PR) 21.5" with 5 LEDs in each bar. Location: front cab corners at 20 degree angle.	1	
WARNING LIGHT PACKAGES			
5550-0483-537-4U	Whelen C-Series model C6L Super LED lower level warning light package. Includes (10) light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, on side of cab down low just ahead of rear door, and on rear fixed outrigger cover.	1	
WARNING LIGHTS			
5600-0078-268-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location each side of pump module offset to the rear.	1	
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0015	Whelen model 295SLSA1 siren with microphone (replaced 295HFSA1).	1	
5500-0024-170	The primary electronic siren control is to be located center overhead.	1	
SPEAKERS			
5510-0049-209	Whelen SP123BMC electronic siren speaker recessed in front bumper. Location: driver side front bumper.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0026	Marker light LED body/cab package. E-ONE custom cab with aerial ladder, Mid-Mount platform or Bronto bodies only.	1	
5150-0129	Whelen M6 series LED horizontal mount tail lights. Includes LED stop/tail, arrow turn and back-up lights individually mounted with weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0277	Compartment light package TecNiq T440 4" LED for medium bodies.	1	
5380-0279	Ground light package TecNiq T440 4" LED - small.	1	
5380-0285	Step light package body TecNiq T440 4" LED - small.	1	
5380-0323	The auxiliary steps below the cab doors to have EON LED lights to illuminate the stepping surface and ground below (IPO lights indicated in the main ground light	1	

Salescode	Extended Description	Qty	
LIGHTS - COMPARTMENT, STEP & GROUND			
	package).		
5380-0325	EON LED ladder tunnel light (EA).	3	
LIGHTS - DECK AND SCENE			
5390-0018-445	Whelen 600 series 26 degree scenelights (PR) with weatherproof connectors. Switch in cab (driver and officer side facing lights switched separately). Locate up high on rear access door.	1	
5390-0216	Hose bed light Optronics LED model TLL44 Locate at front of hose bed. Switched with work light switch in cab.	1	
5390-0217	Crosslay light Optronics LED model TLL44. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0011	LED pump compartment light (EA).	1	
5400-0259	TecNiq model E10 pump panel LED light package with (3) lights per side pump panel. Pump panels over 45" may require additional lights. Side mount only.	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
5100-0165	Audible door ajar alarm wired through door ajar light. For use with V-Mux Display only.	1	
CAMERAS / INTERCOM			
5350-0156	FRC ACT 2-way aerial intercom.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
AERIAL MODEL			
6100-0028	Ladder HP78 750 lb tip load with waterway. Includes left side console with cover, split steps at tip and jack leg flood lights.	1	
AERIAL HYDRAULIC SYSTEM OPTIONS			
6150-0003-216	Gauge aerial hydraulic oil level. Electronic display to be located on pump operator's panel.	1	
AERIAL CONTROLS			
6850-0026	Direct hydraulic aerial control system.	1	

Salescode	Extended Description	Qty	
MONITORS			
6300-0017	Monitor painted silver from OEM.	1	
6300-0077	Monitor Akron StreamMaster II w/5177 electric nozzle 1000 GPM for ladder. Includes tip and base controls.	1	
AERIAL WARNING LIGHTS			
6550-0001	Outrigger warning lights (PR) LED. Truck-Lite model 91R.	1	
AERIAL LIGHTING			
6560-0041	Whelen LED model PFBP12C at base (PR).	1	
6560-0163-231	Light Whelen Micro Pioneer model MPPWCS low profile pedestal mount with a white housing with chrome cover. Switched at light head and base console. Location(s): left side tip.	1	
WATERWAY OPTIONS			
6350-0000	Pinned waterway - upgrade. Waterway pins to section 2 or 3 on HP75 / HP78 and to section 3 or 4 on LTH100, HM100, HR100 and CR100.	1	
6350-0005	Rear 4" NST waterway inlet for rear mounted aerials. Includes chrome cap.	1	
6350-0010	Flowminder with single readout and totalizer for the aerial waterway to be located at the aerial control station.	1	
6350-0067	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel. Locate next to waterway inlet.	1	
AERIAL LADDER BRACKETS			
6600-0002-248	Roof ladder bracket J style mount. Locate outside base section for a PRL-14 on left side of base section. Available on HP75/78, HP100, and HP95.	1	
SIGN PLATES			
6750-0004-000-39	Aerial sign plates 12 x 144 (PR). Available on HP78, HP100 and HP100 platform only. Does not include lettering. Color: Job Color.	1	
AERIAL TESTING			
6900-0000	Aerial flow test - 3rd party.	1	
6900-0007	Aerial 2016 NFPA Certification.	1	
GROUND LADDERS			
7800-0002	Alco-Lite FL-10, 10' folding ladder without shoes.	1	
7800-0007	Alco-Lite PRL-14' roof ladder.	1	
7800-0010	Alco-Lite PRL-16' roof ladder.	2	

Salescode	Extended Description	Qty	
GROUND LADDERS			
7800-0016	Alco-Lite PEL-24' 2-section extension ladder.	1	
7800-0023	Alco-Lite PEL3-35' 3-section extension ladder.	1	
MISC LOOSE EQUIPMENT			
7600-0016	Wheel chocks 44" NFPA compliant, pair (PR) of Zico SAC-44. Up to 44" diameter tires. Includes mounting brackets.	1	
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0089	All applicable pump/pre-connect application modules are to have a sanded finish (not painted job color). Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.	1	
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	
8100-0176-000-17	Paint E-ONE chassis cab - Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0183-000-17	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0354	Paint lift cylinders, extension cylinders and upper turntable steelwork primary job color (does not apply to TT deck).	1	
INTERIOR PAINT			
8150-0011	The interior of the cab to be painted Zolatone gray.	1	
STRIPING			
8200-0015	White reflective tape on (2) outriggers.	1	
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
GRAPHICS			
8400-0022	Logo E-ONE (PR) on aerial lift cylinder. Logo to be black and white reflective material approx 14" long located midway along outward surface of cylinder.	1	

Salescode	Extended Description	Qty	
WARRANTY / STANDARD			
9100-0000	Standard 1 Year Warranty.	1	
9100-0003	Lifetime Frame Stuctural Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0007	20 Year Aerial Device Structural Warranty - Integrity Limited Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
9100-0090	25 Year frame rail corrosion warranty. Includes liners (if equipped).	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0000	Vehicle familiarization aerial (Domestic). 3 days. Use 9300-0315 for additional days.	1	
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0016	Approval Drawings-Standard.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	
Dealer Supplied Equipment			

ITEM #18
HP100 Ladder
Cyclone II

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Cyclone II HP100 Ladder
Item #18

Quotation Number: 72765 Rev: 15

Unit Description: AERM-CYC2-100L

Quote Description: Aerial Rear Mount, Cyclone II, 100 Foot Ladder Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0001	Hosebed hoseload allowance on the apparatus shall be 1000 lbs.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3340-1137-12C	Equipment allowance on the apparatus shall be 2500 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
BUMPERS			
1160-0000	Bumper 10" stainless steel.	1	
1160-0011	4" Front Bumper Extension.	1	
FRAME ASSEMBLY			
1250-0005	Frame - Torque box for tandem axle RM aerial.	1	
1250-0092	GEOMET coated frame assembly fasteners.	1	
AXLE OPTIONS			
1025-0012	Meritor FL-943 front axle 21,000 lb.	1	
1025-0022	Meritor RT-50-160 rear tandem axle 52,000 lb. capacity.	1	
1025-0028	Koni shock absorbers for front axle - adjustable.	1	
SUSPENSIONS			
1070-0002	Rear suspension springs rated equal to the capacity of the axles.	1	
WHEEL OPTIONS			
1050-0007	Front axle wheel trim kit. Includes stainless steel lug nut covers (chrome plated	1	

Salescode	Extended Description	Qty	
WHEEL OPTIONS			
	plastic if applicable) and center cap with E-ONE logo. Note: Center cap will have an inspection port IPO a logo if equipped with Stemco oil seals.		
1050-0009	Rear axle (tandem) wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center caps with E-ONE logo. E-ONE custom chassis w/steel wheels will have chrome plated plastic lug covers.	1	
1050-0044	Accuride aluminum wheels for front axle (2).	1	
1050-0046	Accuride aluminum wheels for rear axles (8).	1	
TIRE OPTIONS			
1060-0008	Eight Michelin 12R tires model XZE for rear axles	1	
1060-0046	Two Michelin 425 tires model XFE for front axle.	1	
1060-0119	RWC AirGuard LED tire pressure monitoring valve stem caps (10) for tandem rear axle applications.	1	
BRAKE SYSTEMS			
1100-0000	16-1/2" x 6" S-cam brakes with ArvinMeritor automatic slack adjusters for front axle.	1	
1100-0006	Parking brake release mounted on the driver's side lower dash.	1	
1100-0008	Brake system air 6X4.	1	
1100-0014	ArvinMeritor 16-1/2" x 7" S-cam brakes with cast brake drums for a tandem rear axle.	1	
AIR SYSTEM OPTIONS			
1110-0000-001	Inlet for air system. Location: driver door jamb.	1	
1110-0002	Air dryer Bendix AD-9.	1	
1110-0006	Air lines nylon.	1	
1110-0041	Air horns Grover recessed in bumper (PR).	1	
ENGINES & TRANSMISSIONS			
1200-0017	Push-button transmission shift selector.	1	
1200-0021	TransSynd synthetic transmission fluid for EVS 4000.	1	
1200-0096	Electronic speed limiting set at 60 MPH.	1	
1200-0317	Eng/Trans Cummins ISX12 500HP with EVS4000 transmission. 2016 EPA Compliant.	1	
SECONDARY BRAKING			
1125-0002	Jacobs engine compression brake.	1	

Salescode	Extended Description	Qty	
SECONDARY BRAKING			
1125-0023	Transmission to seek second gear when Jacobs engine brake or Telma retarder is engaged. N/A with Trans retarder.	1	
COOLING PACKAGE			
1800-0013	Cooling system for use with Cyclone II X, Typhoon X, and Quest chassis. For use with 2010 - 2017 EPA engines. Includes coolant recovery system.	1	
FUEL SYSTEMS			
1350-0004	Fuel system 50 gallon saddle tanks.	1	
1350-0022	Fuel line hose rubber.	1	
ALTERNATOR			
1700-0019	Alternator Niehoff 360 amp (360 amp SAE/320 NFPA rating). Available only on ISX12 and ISX15.	1	
BATTERIES			
1400-0002	Battery four group 31 1000 CCA.	1	
CHASSIS OPTIONS			
1680-0005	Thermatic fan clutch.	1	
1680-0007	Drivelines 1810. Required on 1550 lb/ft torque or greater engines.	1	
1680-0008	Tow eyes front painted below bumper/cab (PR).	1	
1680-0012	Tow eyes rear frame painted black.	1	
1680-0051	Aerial hydraulic activation system.	1	
1680-0250-M58	Diesel Exhaust Fluid (DEF) 5 gallon tank for 2013 / 2016 EPA engines. Location: left side below rear of cab.	1	
CAB MODEL			
1520-0010	Cyclone II X long cab with 67.5" CA	1	
CAB ROOF TYPE			
1615-0004	Cab roof to be "flat" with trough for waterway. Required with HM100 (with waterway), HP100 (all), CR100/92 Pltfm (SdStckr and W/O/P) or HP/HPS100 Pltfrm (all).	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
CAB DOOR OPTIONS			

Salescode	Extended Description	Qty	
CAB DOOR OPTIONS			
1550-0003	Rear crew cab doors in the medium position.	1	
1550-0005	Driver and officer cab door windows. Include forward vent windows.	1	
1550-0011	Rear crew cab door windows. Includes manual roll-down actuation. Not available on Typhoon or CII with paddle style door latching.	1	
1550-0016	Cab door panels ABS.	1	
1550-0025	All cab doors shall have "L" style exterior latches.	1	
1550-0027	Front cab door windows to have manual actuation.	1	
1550-0038-659	(4) LED cab step area lighting. Locate each light on each cab door in the inboard position. Lights to be switched with door ajar.	1	
1550-0044	All cab door kick plates to be made from diamond plate aluminum.	1	
1550-0059-000-G6	Reflective Red/Lemon Yellow printed striping positioned in the "A" formation located on the cab door panels.	1	
1550-0077	Interior cab door locks - manual. Will have manual actuation from each respective door. Includes barrel style key lock on each exterior cab door.	1	
1550-0083	All cab exterior access doors to have CH751 keyed locks.	1	
MIRRORS			
1670-0003	Velvac 2010 mirrors. Door mounted west coast style with remote control and heat.	1	
MISC EXTERIOR CAB OPTIONS			
1550-0020	Windows cab side fixed driver's side.	1	
1550-0033	Windows cab side fixed officer's side.	1	
1675-0022	Pair of 18" handrails located just behind driver and officer front door one each side.	1	
1675-0023	Pair of 18" handrails located just behind driver and officer rear door (ALS doors if equipped) one each side.	1	
1675-0030	Mud flaps, front, black with E-ONE logo.	1	
1675-0046	Rear cab wall to be smooth 3/16" aluminum plate. Cab wall to be finish painted to match the cab paint scheme.	1	
1675-0201	Large radius cab wheel well. Includes bolt-on adjustable wheel well trim.	1	
1675-0202	Mounting plate for battery charger receptacle, indicator, air inlet, etc (if applicable). Plate to be removable brushed stainless steel.	1	
HVAC			
1515-0018	Air conditioning for the Typhoon X, CII X and Quest with roof top mounted condenser.	1	

Salescode	Extended Description	Qty	
HVAC			
1515-0048	Controls for heating and air conditioning shall be located in the driver side lower dash area. For use without front air bags only.	1	
SEATS			
1510-0003	Seats, Inc. brand 911 cab seats.	1	
1510-0007	Seat cover material vinyl.	1	
1510-0008	Seat color gray.	1	
1510-0035-147	Universal air pack bottle bracket (EA). Location: officer's seat.	1	
1510-0035-148	Universal air pack bottle bracket (EA). Location: rear facing driver's side.	1	
1510-0035-151	Universal air pack bottle bracket (EA). Location: inboard driver's side rear wall.	1	
1510-0035-152	Universal air pack bottle bracket (EA). Location: inboard officer's side rear wall.	1	
1510-0035-215	Universal air pack bottle bracket (EA). Location: rear facing officer's side.	1	
1510-0038	Driver seat 911 air ride.	1	
1510-0042	Officer seat to be 911 fixed SCBA.	1	
1510-0050	Rear facing 911 seat with SCBA driver's side.	1	
1510-0053	Rear facing 911 seat with SCBA officer's side.	1	
1510-0062	Two man bench centered on rear wall with 911 SCBA backs. Includes angled corners.	1	
1685-0033	Seating capacity tag of six occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0000	Cab interior gray. Does not include engine cover or seat color.	1	
1685-0006	Padded sun visors, driver and officer's side overhead.	1	
1685-0168	ABS Dash package. Includes center and officer side dash, lower kick panels and "A" post covers.	1	
1685-0187	Severe duty engine cover, molded polyurethane.	1	
1685-0496	ABS overhead console. Includes front full width overhead, air conditioning plenum and rear facing blower.	1	
1685-0532	Stepped profile rear engine cover.	1	
CAB ELECTRICAL OPTIONS			
1750-0024-179-04	Auto-Eject receptacle inlet 20 amp located outside driver's door next to handrail with a Yellow cover.	1	
1750-0046-195	Cab Headlights. Position: lower.	1	
1750-0072-592	12 VDC (or 24VDC) electrical outlet wired battery hot. Location: driver side dash.	1	

Salescode	Extended Description	Qty	
CAB ELECTRICAL OPTIONS			
1750-0075	English dominant main cab gauge cluster.	1	
1750-0158	Dome Lts Red/White LED. Package includes two lights mounted in the front and two mounted in the rear of the cab. White light wired through door and light assembly switch. Red light through light assembly switch.	1	
1750-0198-A31	Battery charger to be located behind driver's seat.	1	
1750-0215-172	Turn signal Whelen M6 LED arrow amber pair located upper headlight bezel.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
1750-0435	Halogen cab headlights. TyphoonX, CIIX and QST2 only.	1	
1750-0449	Momentary DPF regeneration override switch.	1	
1750-0666	Aerial PTO hourmeter in cab.	1	
BODY SPEC			
3090-0000	Body Specs - SideStacker aerial with tandem axle. Includes left rear staircase with pocket style drop down step.	1	
BODY COMPT REAR			
3110-0360	Rear of body to have un-painted smooth plate overlay style body panels to facilitate rear body striping.	1	
AERIAL BODY OPTIONS			
3310-0000	Compartments driver side tandem axle HP SideStacker. Includes rescue style compartments.	1	
3310-0007	Compartments officer side tandem axle HP SideStacker. Includes rescue style compartments ahead of wheel well with standard hosebed.	1	
3310-0032	Recessed tubes for (6) pike poles. Not available on HP75 SideStacker.	1	
3310-0051	Crosslay double to hold up to 200' of 2.0" DJ (each). Includes storage pan to rear of crosslays (if applicable).	1	
3310-0069	Rear ladder tunnel doors. Vertically hinged smooth plate to match rear body finish.	1	
3310-0162	Jack leg opening covers diamond plate (4) sets. Includes diamond plate outrigger covers and fixed diamond plate filler panels. HM100/110 requires surface mount warning lights.	1	
3310-0303	Auxiliary jack pad 24X24 (4) with 20 degree formed handle. Includes (4) mounting brackets.	1	
3310-0513	Fuel fill hinged door and fixed panel below door each side to rear of rear axle to be diamond plate.	1	
DOORS			

Salescode	Extended Description	Qty	
DOORS			
3300-0007-017	Door single vertical hinged painted. Location(s): R3	1	
3300-0007-018	Door single vertical hinged painted. Location(s): R4	1	
3300-0011-005	Door single horizontal hinged lift-up box pan configuration painted. Location(s): L3	1	
3300-0011-006	Door single horizontal hinged lift-up box pan configuration painted. Location(s): L4	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-004	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L2.	1	
3300-0019-007	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L5.	1	
3300-0019-008	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L6.	1	
3300-0019-015	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R1.	1	
3300-0019-016	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R2.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0055	Officer side upper pump access panel to be horizontal hinged with stainless steel door. Includes (2) push button latches and (2) hold open devices.	1	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	
WATER TANK			
4010-0198	500 gallon "T" water tank. UPF Poly III blue fill tower.	1	
TANK PLUMBING			
4450-0010	2" tank fill Akron manual valve.	1	
4450-0022	3" tank to pump Akron manual valve.	1	
LADDER STORAGE / RACKS			
3365-0037-614	Center mounted ladder tunnel. Ladder rack to hold: PEL3-35, PEL-24, PRL-16, PRL-14, AEL-12 and FL-10. Requires roof ladder option on base section of aerial to meet 115' NFPA requirement.	1	

Salescode	Extended Description	Qty	
HANDRAILS / STEPS			
3330-0002-050	Slide-out platform, rollerless. Includes chrome grab handle centered on the front face of the platform (includes hand rail as applicable). Located below driver side pump panel.	1	
MISC BODY OPTIONS			
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0107	Diamond plate tandem axle wheel well. Includes bolt-on composite wheel well liners and fenderettes.	1	
3340-0270	The painted aerial body side panels shall be smooth / flush. Applies to SideStacker HB side, panels next to water tank on MM, and upper body sides on RLP.	1	
PUMPS			
4005-0031	Rating 1500 GPM.	1	
4005-0196	Hale QMAX 1000-2250 GPM single stage pump. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PUMP OPTIONS			
4015-0029	Hale pressure relief valve.	1	
4015-0037	Engine throttle, vernier.	1	
4015-0038	Pump seal packing for Hale pump.	1	
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0073	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location below running board on driver side (or area directly to rear of panel if no room below panel).	1	
4015-0210	Pump cooler with Innovative Control 1/4 turn valve with "T" handle and label.	1	
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			

Salescode	Extended Description	Qty	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0051	4" Waterway Discharge with 3" Akron Manual Valve.	1	
4415-0161-581	2.5" Left Panel Discharge Akron Manual Valve w/30 Degree Chrome Droop. Location: left side discharge 1.	1	
4415-0161-582	2.5" Left Panel Discharge Akron Manual Valve w/30 Degree Chrome Droop. Location: left side discharge 2.	1	
4415-0164-583	2.5" Right Panel Discharge Akron Manual Valve w/30 Degree Chrome Droop. Location: right side discharge 1.	1	
4415-0164-584	2.5" Right Panel Discharge Akron Manual Valve w/30 Degree Chrome Droop. Location: right side discharge 2.	1	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	7	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
GAUGES			
4435-0069	Class 1 ENFO IV system on pump operator's panel.	1	
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	7	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			
5010-0039	V-MUX Electrical system for aerials.	1	
5010-0049	Vehicle data recorder - 2009 / 2016 NFPA compliant. Includes occupant detection shown in multiplex display. E-ONE chassis only.	1	
5010-0055-649	Vista IV display for V-MUX electrical system. Location: driver's side engine cover.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0506-000-4T	Front light bar LED color: Red with clear lenses (If applicable, includes side facing when colors are the same.)	1	
5300-0514	Whelen MK9S short slide bolt bracket mount for mini front light bars (4).	1	

Salescode	Extended Description	Qty	
LIGHT BARS			
5300-0524-035	Whelen F4 Mini-Freedom LED light bars (PR) 21.5" with 5 LEDs in each bar. Location: front cab corners at 20 degree angle.	1	
WARNING LIGHT PACKAGES			
5550-0484-538-4U	Whelen Super LED lower level warning light package. Includes (8) C-Series model C6L light heads and (2) ION-T Series model TLI light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, in rear wheel well offset to front, and side facing at rear of body in rubrail if equipped. Note: ION-T Series light only available with clear lenses.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0015	Whelen model 295SLSA1 siren with microphone (replaced 295HFSA1).	1	
5500-0024-170	The primary electronic siren control is to be located center overhead.	1	
SPEAKERS			
5510-0049-209	Whelen SP123BMC electronic siren speaker recessed in front bumper. Location: driver side front bumper.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0026	Marker light LED body/cab package. E-ONE custom cab with aerial ladder, Mid-Mount platform or Bronto bodies only.	1	
5150-0102	Whelen M6 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical 3 light housing and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0278	Compartment light package TecNiq T440 4" LED for large bodies.	1	
5380-0279	Ground light package TecNiq T440 4" LED - small.	1	
5380-0285	Step light package body TecNiq T440 4" LED - small.	1	
5380-0325	EON LED ladder tunnel light (EA).	2	
LIGHTS - DECK AND SCENE			
5390-0215-444	Deck Lights - Optronics Model TLL44 (PR). Location: (1) each side over rear	1	

Salescode	Extended Description	Qty	
LIGHTS - DECK AND SCENE			
	ladder tunnel.		
5390-0216	Hose bed light Optronics LED model TLL44 Locate at front of hose bed. Switched with work light switch in cab.	1	
5390-0217	Crosslay light Optronics LED model TLL44. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
LIGHTS - NON-WARNING			
5400-0011	LED pump compartment light (EA).	1	
5400-0224	Engine compartment light Optronics LED Series ILL22 (EA).	1	
5400-0259	TecNiq model E10 pump panel LED light package with (3) lights per side pump panel. Pump panels over 45" may require additional lights. Side mount only.	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
5100-0000-199	Foot switch to control air horns located officer's side.	1	
5100-0165	Audible door ajar alarm wired through door ajar light. For use with V-Mux Display only.	1	
CAMERAS / INTERCOM			
5350-0156	FRC ACT 2-way aerial intercom.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
AERIAL MODEL			
6100-0009	Ladder HP100 SideStacker. Includes pinned waterway, left side console with cover, turntable mansaver bars, split steps at tip and jack leg flood lights.	1	
AERIAL HYDRAULIC SYSTEM OPTIONS			
6150-0003-216	Gauge aerial hydraulic oil level. Electronic display to be located on pump operator's panel.	1	
AERIAL CONTROLS			
6850-0026	Direct hydraulic aerial control system.	1	
MONITORS			
6300-0017	Monitor painted silver from OEM.	1	
6300-0077	Monitor Akron StreamMaster II w/5177 electric nozzle 1000 GPM for ladder. Includes tip and base controls.	1	

Salescode	Extended Description	Qty	
AERIAL WARNING LIGHTS			
6550-0002	Outrigger warning lights (4) LED. Truck-Lite model 91R.	1	
AERIAL LIGHTING			
6560-0041	Whelen LED model PFBP12C at base (PR).	1	
6560-0163-231	Light Whelen Micro Pioneer model MPPWCS low profile pedestal mount with a white housing with chrome cover. Switched at light head and base console. Location(s): left side tip.	1	
WATERWAY OPTIONS			
6350-0005	Rear 4" NST waterway inlet for rear mounted aerials. Includes chrome cap.	1	
6350-0010	Flowminder with single readout and totalizer for the aerial waterway to be located at the aerial control station.	1	
6350-0067	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel. Locate next to waterway inlet.	1	
AERIAL LADDER BRACKETS			
6600-0002-248	Roof ladder bracket J style mount. Locate outside base section for a PRL-14 on left side of base section. Available on HP75/78, HP100, and HP95.	1	
SIGN PLATES			
6750-0000-000-39	Aerial sign plates 10 x 144 (PR). Available on Booms, HP75 and HP100 only. Does not include lettering. Color: Job Color.	1	
AERIAL TESTING			
6900-0000	Aerial flow test - 3rd party.	1	
6900-0007	Aerial 2016 NFPA Certification.	1	
GROUND LADDERS			
7800-0002	Alco-Lite FL-10, 10' folding ladder without shoes.	1	
7800-0007	Alco-Lite PRL-14' roof ladder.	2	
7800-0010	Alco-Lite PRL-16' roof ladder.	1	
7800-0013	Alco-Lite AEL-12 Attic Extension Ladder	1	
7800-0016	Alco-Lite PEL-24' 2-section extension ladder.	1	
7800-0023	Alco-Lite PEL3-35' 3-section extension ladder.	1	
MISC LOOSE EQUIPMENT			
7600-0016	Wheel chocks 44" NFPA compliant, pair (PR) of Zico SAC-44. Up to 44" diameter tires. Includes mounting brackets.	1	

Salescode	Extended Description	Qty	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0084	All applicable pump/pre-connect application modules are to have a job color finish. Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.	1	
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	
8100-0176-000-17	Paint E-ONE chassis cab - Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0183-000-17	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0354	Paint lift cylinders, extension cylinders and upper turntable steelwork primary job color (does not apply to TT deck).	1	
INTERIOR PAINT			
8150-0011	The interior of the cab to be painted Zolatone gray.	1	
STRIPING			
8200-0016	White reflective tape on (4) outriggers.	1	
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
GRAPHICS			
8400-0022	Logo E-ONE (PR) on aerial lift cylinder. Logo to be black and white reflective material approx 14" long located midway along outward surface of cylinder.	1	
8400-0067	E-ONE logo with grey backing on M6 series vertical tail light housing (PR).	1	
WARRANTY / STANDARD			
9100-0000	Standard 1 Year Warranty.	1	
9100-0003	Lifetime Frame Stuctural Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of	1	

Salescode	Extended Description	Qty	
WARRANTY / STANDARD			
	Warranty.		
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0007	20 Year Aerial Device Structural Warranty - Integrity Limited Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0000	Vehicle familiarization aerial (Domestic). 3 days. Use 9300-0315 for additional days.	1	
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0016	Approval Drawings-Standard.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	
Dealer Supplied Equipment			

ITEM #18
HPS105 Ladder
Cyclone II

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
HPS105 Ladder
Item#18

Quotation Number: 90675 Rev: 5

Unit Description: AERM-CYC2-SL10

Quote Description: Aerial Rear Mount, Cyclone II, 105 Foot Steel Ladder Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0001	Hosebed hoseload allowance on the apparatus shall be 1000 lbs.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3340-1137-12C	Equipment allowance on the apparatus shall be 2500 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
BUMPERS			
1160-0000	Bumper 10" stainless steel.	1	
1160-0008	3/16" Front Bumper Gravel Shield.	1	
1160-0014	20" Front Bumper Gravel Shield Extension.	1	
1160-0020	License plate holder mounted center of front bumper.	1	
FRAME ASSEMBLY			
1250-0005	Frame - Torque box for tandem axle RM aerial.	1	
1250-0092	GEOMET coated frame assembly fasteners.	1	
AXLE OPTIONS			
1025-0013	Meritor FL-943 front axle 21,500 lbs.	1	
1025-0023	Meritor RT-50-160 rear tandem axle 54,000 lb. capacity.	1	
1025-0028	Koni shock absorbers for front axle - adjustable.	1	
SUSPENSIONS			
1070-0002	Rear suspension springs rated equal to the capacity of the axles.	1	

Salescode	Extended Description	Qty	
WHEEL OPTIONS			
1050-0007	Front axle wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center cap with E-ONE logo. Note: Center cap will have an inspection port IPO a logo if equipped with Stemco oil seals.	1	
1050-0009	Rear axle (tandem) wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center caps with E-ONE logo. E-ONE custom chassis w/steel wheels will have chrome plated plastic lug covers.	1	
1050-0044	Accuride aluminum wheels for front axle (2).	1	
1050-0046	Accuride aluminum wheels for rear axles (8).	1	
TIRE OPTIONS			
1060-0008	Eight Michelin 12R tires model XZE for rear axles	1	
1060-0046	Two Michelin 425 tires model XFE for front axle.	1	
1060-0119	RWC AirGuard LED tire pressure monitoring valve stem caps (10) for tandem rear axle applications.	1	
BRAKE SYSTEMS			
1100-0000	16-1/2" x 6" S-cam brakes with ArvinMeritor automatic slack adjusters for front axle.	1	
1100-0006	Parking brake release mounted on the driver's side lower dash.	1	
1100-0008	Brake system air 6X4.	1	
1100-0014	ArvinMeritor 16-1/2" x 7" S-cam brakes with cast brake drums for a tandem rear axle.	1	
1100-0026	G4 Electronic Stability Control (6x4), Includes RSC and ATC. Not available on 6x6 or commercial chassis.	1	
AIR SYSTEM OPTIONS			
1110-0000-001	Inlet for air system. Location: driver door jamb.	1	
1110-0002	Air dryer Bendix AD-9.	1	
1110-0006	Air lines nylon.	1	
1110-0041	Air horns Grover recessed in bumper (PR).	1	
ENGINES & TRANSMISSIONS			
1200-0017	Push-button transmission shift selector.	1	
1200-0021	TransSynd synthetic transmission fluid for EVS 4000.	1	
1200-0096	Electronic speed limiting set at 60 MPH.	1	
1200-0317	Eng/Trans Cummins ISX12 500HP with EVS4000 transmission. 2016 EPA Compliant.	1	

Salescode	Extended Description	Qty	
SECONDARY BRAKING			
1125-0002	Jacobs engine compression brake.	1	
1125-0023	Transmission to seek second gear when Jacobs engine brake or Telma retarder is engaged. N/A with Trans retarder.	1	
COOLING PACKAGE			
1800-0013	Cooling system for use with Cyclone II X, Typhoon X, and Quest chassis. For use with 2010 - 2017 EPA engines. Includes coolant recovery system.	1	
FUEL SYSTEMS			
1350-0004	Fuel system 50 gallon saddle tanks.	1	
1350-0022	Fuel line hose rubber.	1	
ALTERNATOR			
1700-0005	Alternator Leece Neville 320 amp. 320 amp SAE/272 amp NFPA.	1	
BATTERIES			
1400-0002	Battery four group 31 1000 CCA.	1	
CHASSIS OPTIONS			
1680-0005	Thermatic fan clutch.	1	
1680-0007	Drivelines 1810. Required on 1550 lb/ft torque or greater engines.	1	
1680-0012	Tow eyes rear frame painted black.	1	
1680-0042	Tow hooks front painted in the down position.	1	
1680-0051	Aerial hydraulic activation system.	1	
1680-0250-M58	Diesel Exhaust Fluid (DEF) 5 gallon tank for 2013 / 2016 EPA engines. Location: left side below rear of cab.	1	
CAB MODEL			
1520-0008	Cyclone II X medium cab with 58" CA	1	
CAB ROOF TYPE			
1615-0004	Cab roof to be "flat" with trough for waterway. Required with HM100 (with waterway), HP100 (all), CR100/92 Pltfm (SdStckr and W/O/P) or HP/HPS100 Pltfrm (all).	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
CAB DOOR OPTIONS			

Salescode	Extended Description	Qty	
CAB DOOR OPTIONS			
1550-0003	Rear crew cab doors in the medium position.	1	
1550-0005	Driver and officer cab door windows. Include forward vent windows.	1	
1550-0011	Rear crew cab door windows. Includes manual roll-down actuation. Not available on Typhoon or CII with paddle style door latching.	1	
1550-0016	Cab door panels ABS.	1	
1550-0025	All cab doors shall have "L" style exterior latches.	1	
1550-0027	Front cab door windows to have manual actuation.	1	
1550-0037-659	(4) Incandescent cab step area lighting. Locate each light in on each cab door in the inboard position. Lights to be switched with door ajar.	1	
1550-0044	All cab door kick plates to be made from diamond plate aluminum.	1	
1550-0059-000-G6	Reflective Red/Lemon Yellow printed striping positioned in the "A" formation located on the cab door panels.	1	
1550-0077	Interior cab door locks - manual. Will have manual actuation from each respective door. Includes barrel style key lock on each exterior cab door.	1	
1550-0084	All cab exterior access doors to have 1250 keyed locks.	1	
MIRRORS			
1670-0003	Velvac 2010 mirrors. Door mounted west coast style with remote control and heat.	1	
MISC EXTERIOR CAB OPTIONS			
1550-0020	Windows cab side fixed driver's side.	1	
1550-0033	Windows cab side fixed officer's side.	1	
1675-0022	Pair of 18" handrails located just behind driver and officer front door one each side.	1	
1675-0023	Pair of 18" handrails located just behind driver and officer rear door (ALS doors if equipped) one each side.	1	
1675-0030	Mud flaps, front, black with E-ONE logo.	1	
1675-0047	Rear cab wall to be 3/16" aluminum diamond plate.	1	
1675-0201	Large radius cab wheel well. Includes bolt-on adjustable wheel well trim.	1	
1675-0202	Mounting plate for battery charger receptacle, indicator, air inlet, etc (if applicable). Plate to be removable brushed stainless steel.	1	
HVAC			
1515-0018	Air conditioning for the Typhoon X, CII X and Quest with roof top mounted condenser.	1	

Salescode	Extended Description	Qty	
HVAC			
1515-0053	Controls for heating and air conditioning shall be located in the center dash area. (Lower area on Typhoon and CII with severe duty dash)	1	
SEATS			
1510-0003	Seats, Inc. brand 911 cab seats.	1	
1510-0007	Seat cover material vinyl.	1	
1510-0008	Seat color gray.	1	
1510-0035-147	Universal air pack bottle bracket (EA). Location: officer's seat.	1	
1510-0035-148	Universal air pack bottle bracket (EA). Location: rear facing driver's side.	1	
1510-0035-151	Universal air pack bottle bracket (EA). Location: inboard driver's side rear wall.	1	
1510-0035-152	Universal air pack bottle bracket (EA). Location: inboard officer's side rear wall.	1	
1510-0035-215	Universal air pack bottle bracket (EA). Location: rear facing officer's side.	1	
1510-0038	Driver seat 911 air ride.	1	
1510-0042	Officer seat to be 911 fixed SCBA.	1	
1510-0050	Rear facing 911 seat with SCBA driver's side.	1	
1510-0053	Rear facing 911 seat with SCBA officer's side.	1	
1510-0062	Two man bench centered on rear wall with 911 SCBA backs. Includes angled corners.	1	
1685-0033	Seating capacity tag of six occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0000	Cab interior gray. Does not include engine cover or seat color.	1	
1685-0006	Padded sun visors, driver and officer's side overhead.	1	
1685-0168	ABS Dash package. Includes center and officer side dash, lower kick panels and "A" post covers.	1	
1685-0187	Severe duty engine cover, molded polyurethane.	1	
1685-0496	ABS overhead console. Includes front full width overhead, air conditioning plenum and rear facing blower.	1	
1685-0532	Stepped profile rear engine cover.	1	
CAB ELECTRICAL OPTIONS			
1750-0046-195	Cab Headlights. Position: lower.	1	
1750-0059-179-04	Receptacle inlet 20 amp with a Yellow cover. Location: outside driver's door next to handrail.	1	
1750-0075	English dominant main cab gauge cluster.	1	

Salescode	Extended Description	Qty	
CAB ELECTRICAL OPTIONS			
1750-0198-A31	Battery charger to be located behind driver's seat.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
1750-0435	Halogen cab headlights. TyphoonX, CIIX and QST2 only.	1	
1750-0449	Momentary DPF regeneration override switch.	1	
1750-0651-172	Turn signal Whelen C-Series model C6T LED amber arrow pair located upper headlight bezel.	1	
1750-0666	Aerial PTO hourmeter in cab.	1	
5400-0037	Dome Lts Red/White Incandescent. Package includes two lights mounted in the front and two mounted in the rear of the cab. White light wire through door and light assembly mounted switch. Red light through light assembly mounted switch.	1	
BODY SPEC			
3090-0000	Body Specs - SideStacker aerial with tandem axle. Includes left rear staircase with pocket style drop down step.	1	
BODY COMPT REAR			
3110-0360	Rear of body to have un-painted smooth plate overlay style body panels to facilitate rear body striping.	1	
AERIAL BODY OPTIONS			
3310-0032	Recessed tubes for (6) pike poles. Not available on HP75 SideStacker.	1	
3310-0052	Crosslay double 5.5" wide single stack to hold up to 200' of 2.0" DJ (each) or 150'-200' 2.5" DJ (each). Includes storage pan to rear of crosslays (if applicable).	1	
3310-0069	Rear ladder tunnel doors. Vertically hinged smooth plate to match rear body finish.	1	
3310-0162	Jack leg opening covers diamond plate (4) sets. Includes diamond plate outrigger covers and fixed diamond plate filler panels. HM100/110 requires surface mount warning lights.	1	
3310-0300	Compartments driver side HPS105 ladder SideStacker and 300 gallon tank (182 C/A). Includes rescue style extended height compartments and raised rear body for improved angle of departure.	1	
3310-0301	Compartments officer side HPS105 ladder SideStacker with 300 gallon tank. Includes rescue style extended height compartments ahead of wheel well with extended hosebed and raised rear body for improved angle of departure.	1	
3310-0309	Auxiliary jack pad 26X26 (4) with 20 degree formed handle. Includes (4) mounting brackets.	1	
3310-0513	Fuel fill hinged door and fixed panel below door each side to rear of rear axle to	1	

Salescode	Extended Description	Qty	
AERIAL BODY OPTIONS			
	be diamond plate.		
DOORS			
3300-0007-017	Door single vertical hinged painted. Location(s): R3	1	
3300-0017-005	Door roll up short (up to 45") with satin finish ROM. Location(s): L3.	1	
3300-0017-006	Door roll up short (up to 45") with satin finish ROM. Location(s): L4.	1	
3300-0017-007	Door roll up short (up to 45") with satin finish ROM. Location(s): L5.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-004	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L2.	1	
3300-0019-008	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L6.	1	
3300-0019-015	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R1.	1	
3300-0019-016	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R2.	1	
3300-0289-018	Door double vertical hinged w/rotary latches - painted . Location(s): R4 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0055	Officer side upper pump access panel to be horizontal hinged with stainless steel door. Includes (2) push button latches and (2) hold open devices.	1	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	
WATER TANK			
4010-0195	300 gallon "T" water tank. UPF Poly III blue fill tower.	1	
TANK PLUMBING			
4450-0010	2" tank fill Akron manual valve.	1	
4450-0022	3" tank to pump Akron manual valve.	1	
LADDER STORAGE / RACKS			
3365-0013-600	Center mounted ladder tunnel. Ladder rack to hold: PEL3-35, PEL-28, (2)PRL-16,	1	

Salescode	Extended Description	Qty	
LADDER STORAGE / RACKS			
	PRL-14 and FL-10.		
HANDRAILS / STEPS			
3330-0002-050	Slide-out platform, rollerless. Includes chrome grab handle centered on the front face of the platform (includes hand rail as applicable). Located below driver side pump panel.	1	
MISC BODY OPTIONS			
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0270	The painted aerial body side panels shall be smooth / flush. Applies to SideStacker HB side, panels next to water tank on MM, and upper body sides on RLP.	1	
3340-0653	Diamond plate tandem axle wheel well. Includes bolt-on composite wheel well liners and bolt-on polished alum fenderettes.	1	
PUMPS			
4005-0033	Rating 2000 GPM	1	
4005-0196	Hale QMAX 1000-2250 GPM single stage pump. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PUMP OPTIONS			
4015-0038	Pump seal packing for Hale pump.	1	
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0073	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location below running board on driver side (or area directly to rear of panel if no room below panel).	1	
4015-0210	Pump cooler with Innovative Control 1/4 turn valve with "T" handle and label.	1	
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			
4445-0048	Intake pressure relief valve, Task Force Tips.	1	

Salescode	Extended Description	Qty	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0014-581	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 1.	1	
4415-0014-582	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 2.	1	
4415-0016-583	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 1.	1	
4415-0016-584	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 2.	1	
4415-0994	4" waterway discharge with 4" Akron electric valve with 9323 controller.	1	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	7	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
PRESSURE GOVERNORS			
4465-0011	Class 1 TPG pressure governor. Includes, water, oil, volt and tachometer.	1	
GAUGES			
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	7	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			
5010-0039	V-MUX Electrical system for aerials.	1	
5010-0049	Vehicle data recorder - 2009 / 2016 NFPA compliant. Includes occupant detection shown in multiplex display. E-ONE chassis only.	1	
5010-0055-649	Vista IV display for V-MUX electrical system. Location: driver's side engine cover.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0506-000-4V	Front light bar LED color: Red/White with clear lenses (If applicable, includes side	1	

Salescode	Extended Description	Qty	
LIGHT BARS			
	facing when colors are the same.)		
5300-0514	Whelen MK9S short slide bolt bracket mount for mini front light bars (4).	1	
5300-0524-034	Whelen F4 Mini-Freedom LED light bars (PR) 21.5" with 5 LEDs in each bar. Location: front cab corners.	1	
WARNING LIGHT PACKAGES			
5550-0173-535	Whelen M6 Super LED lower level warning light package. Includes (8) red M6R LED light heads and (2) red M2R LED light heads. Locate side facing lights: at forward most position, centered in rear wheel well, and side facing at rear of body in rubrail if equipped.	1	
WARNING LIGHTS			
5600-0078-290-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location above L2/R2 compartments offset rearward to supplement upper rear warnings.	1	
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
5600-0241-464	Warning light Whelen M6R series Linear Super LED (PR) red. Location: (1) each side of cab down low just ahead of rear doors.	1	
SIRENS			
5500-0015	Whelen model 295SLSA1 siren with microphone (replaced 295HFSA1).	1	
5500-0024-170	The primary electronic siren control is to be located center overhead.	1	
SPEAKERS			
5510-0029-209	Speaker, Federal Signal Dynamax ES100 with "E-ONE" grille through bumper. Location: driver side front bumper.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0026	Marker light LED body/cab package. E-ONE custom cab with aerial ladder, Mid-Mount platform or Bronto bodies only.	1	
5150-0032	Bracket license plate at rear of body.	1	
5150-0216	Whelen C6 series LED horizontal mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with horizontally mount with individual bezels and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0010	Compartment light package incandescent for large bodies.	1	

Salescode	Extended Description	Qty	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0033	Step light package body - small.	1	
5380-0280	Ground light package TecNiq T440 4" LED - large.	1	
5380-0325	EON LED ladder tunnel light (EA).	2	
LIGHTS - DECK AND SCENE			
5390-0076	Hose bed light Truck-Lite LED model 81380. Locate at front of hose bed. Switched with work light switch in cab.	1	
5390-0102	Crosslay light Truck-Lite LED model 81380. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
5390-0152-444	Whelen 600 series gradient Super LED scene lights (PR) with weatherproof connectors. Switch in cab (driver and officer side lights switched separately). Locate (1) each side over rear ladder tunnel.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0010	Incandescent pump compartment light (EA).	1	
5400-0259	TecNiq model E10 pump panel LED light package with (3) lights per side pump panel. Pump panels over 45" may require additional lights. Side mount only.	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
5100-0000-199	Foot switch to control air horns located officer's side.	1	
5100-0165	Audible door ajar alarm wired through door ajar light. For use with V-Mux Display only.	1	
CAMERAS / INTERCOM			
5350-0156	FRC ACT 2-way aerial intercom.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
AERIAL MODEL			
6100-0054	Ladder HPS105. For use with SideStacker body. Includes pinned waterway, left side console with cover, turntable mansaver bars, split steps at tip and jack leg flood lights.	1	
AERIAL HYDRAULIC SYSTEM OPTIONS			
6150-0003-216	Gauge aerial hydraulic oil level. Electronic display to be located on pump operator's panel.	1	

Salescode	Extended Description	Qty	
AERIAL CONTROLS			
6850-0026	Direct hydraulic aerial control system.	1	
MONITORS			
6300-0017	Monitor painted silver from OEM.	1	
6300-0077	Monitor Akron StreamMaster II w/5177 electric nozzle 1000 GPM for ladder. Includes tip and base controls.	1	
AERIAL WARNING LIGHTS			
6550-0000	Outrigger warning lights (4). Trucklite Model 60015R.	1	
AERIAL LIGHTING			
6560-0004-231	Collins light FX-12 located left side tip.	1	
6560-0006	Collins light FX-12 at base (PR).	1	
WATERWAY OPTIONS			
6350-0005	Rear 4" NST waterway inlet for rear mounted aerials. Includes chrome cap.	1	
6350-0010	Flowminder with single readout and totalizer for the aerial waterway to be located at the aerial control station.	1	
6350-0067	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel. Locate next to waterway inlet.	1	
AERIAL EQUIPMENT			
6500-0111	Bolt-on ladder tip. Steel aerials only.	1	
SIGN PLATES			
6750-0001-000-18	Aerial sign plates 16 x 144 (PR). Available on LTH100, HP100L, HPS105L, HP95 and HP100P only (requires 6750-0014 for special bracket on HP100P if there are not ladder brackets on each side). Does not include lettering. Color: FLNA4006 White	1	
AERIAL TESTING			
6900-0000	Aerial flow test - 3rd party.	1	
6900-0007	Aerial 2016 NFPA Certification.	1	
GROUND LADDERS			
7800-0002	Alco-Lite FL-10, 10' folding ladder without shoes.	1	
7800-0007	Alco-Lite PRL-14' roof ladder.	1	
7800-0010	Alco-Lite PRL-16' roof ladder.	2	

Salescode	Extended Description	Qty	
GROUND LADDERS			
7800-0021	Alco-Lite PEL-28' extension ladder.	1	
7800-0023	Alco-Lite PEL3-35' 3-section extension ladder.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0084	All applicable pump/pre-connect application modules are to have a job color finish. Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.	1	
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	
8100-0176-000-R5	Paint E-ONE chassis cab - Sikkens paint. Color: FLNA3225 Red (Sikkens published).	1	
8100-0183-000-R5	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225 Red (Sikkens published).	1	
8100-0356	Paint lift cylinders, extension cylinders and upper turntable steelwork FLNA4006 white (does not apply to TT deck).	1	
8100-0484-000-18	Paint aerial ladder (Sikkens). Steel aerials only. Color: FLNA4006 White.	1	
INTERIOR PAINT			
8150-0011	The interior of the cab to be painted Zolatone gray.	1	
STRIPING			
8200-0016	White reflective tape on (4) outriggers.	1	
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
GRAPHICS			

Salescode	Extended Description	Qty	
GRAPHICS			
8400-0022	Logo E-ONE (PR) on aerial lift cylinder. Logo to be black and white reflective material approx 14" long located midway along outward surface of cylinder.	1	
WARRANTY / STANDARD			
9100-0000	Standard 1 Year Warranty.	1	
9100-0003	Lifetime Frame Stuctural Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0007	20 Year Aerial Device Structural Warranty - Integrity Limited Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
9100-0079	5 Year Limited Aerial Paint and Perforation Warranty - For Sikkens Paint.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0000	Vehicle familiarization aerial (Domestic). 3 days. Use 9300-0315 for additional days.	1	
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0016	Approval Drawings-Standard.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	

ITEM #18
Metro 100 Ladder
Cyclone II

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Metro 100 Quint
Item #18

Quotation Number: 90705 Rev: 3

Unit Description: AERM-CYC2-M100

Quote Description: Aerial Rear Mount, Cyclone II, Metro 100 Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0001	Hosebed hoseload allowance on the apparatus shall be 1000 lbs.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3340-1137-12C	Equipment allowance on the apparatus shall be 2500 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
BUMPERS			
1160-0000	Bumper 10" stainless steel.	1	
1160-0008	3/16" Front Bumper Gravel Shield.	1	
1160-0014	20" Front Bumper Gravel Shield Extension.	1	
1160-0020	License plate holder mounted center of front bumper.	1	
FRAME ASSEMBLY			
1250-0086	Frame - Torque box for single axle Metro 100 Quint aerial.	1	
1250-0092	GEOMET coated frame assembly fasteners.	1	
AXLE OPTIONS			
1025-0028	Koni shock absorbers for front axle - adjustable.	1	
1025-0171	Dana 22I 24,000 lb. front axle.	1	
1025-0182	Dana S35-590 single rear axle 35,000lb capacity. Requires Bendix rear brakes. Unit will have an intermittent speed rating due to rear tires.	1	
SUSPENSIONS			

Salescode	Extended Description	Qty	
SUSPENSIONS			
1070-0032	Rear suspension Link Atlas 33,000 - 35,000 lb. single axle air ride. Requires DANA axle and aluminum wheels. Not compatible with tire chains.	1	
WHEEL OPTIONS			
1050-0001	Alcoa aluminum wheels for front axle (2).	1	
1050-0003	Alcoa aluminum wheels for rear axle (4).	1	
1050-0007	Front axle wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center cap with E-ONE logo. Note: Center cap will have an inspection port IPO a logo if equipped with Stemco oil seals.	1	
1050-0008	Rear axle (single) wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center cap with E-ONE logo. E-ONE custom chassis w/steel wheels will have chrome plated plastic lug covers.	1	
TIRE OPTIONS			
1060-0006	Four Michelin 315 tires model XZA-1 for rear axle	1	
1060-0046	Two Michelin 425 tires model XFE for front axle.	1	
1060-0113	Intermittent service tire rating.	1	
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
BRAKE SYSTEMS			
1100-0005	Brake system air 4X2/4X4.	1	
1100-0006	Parking brake release mounted on the driver's side lower dash.	1	
1100-0024	G4 Electronic Stability Control (4x2), Includes RSC and ATC. Not available on 4x4, commercial chassis or tiller.	1	
1100-0031	Dana ADB22X 17" disc brakes for front axle.	1	
1100-0033	Bendix 16-1/2" x 7" S-cam brakes for 33,000 - 35,000 Dana axle.	1	
AIR SYSTEM OPTIONS			
1110-0000-001	Inlet for air system. Location: driver door jamb.	1	
1110-0002	Air dryer Bendix AD-9.	1	
1110-0006	Air lines nylon.	1	
1110-0026	Air horns recessed in bumper (PR).	1	
ENGINES & TRANSMISSIONS			
1200-0017	Push-button transmission shift selector.	1	

Salescode	Extended Description	Qty	
ENGINES & TRANSMISSIONS			
1200-0020	TransSynd synthetic transmission fluid for EVS3000.	1	
1200-0096	Electronic speed limiting set at 60 MPH.	1	
1200-0341	Eng/Trans Cummins L9 450HP/EVS3000 2017 EPA compliant engine.	1	
SECONDARY BRAKING			
1125-0002	Jacobs engine compression brake.	1	
1125-0023	Transmission to seek second gear when Jacobs engine brake or Telma retarder is engaged. N/A with Trans retarder.	1	
COOLING PACKAGE			
1800-0013	Cooling system for use with Cyclone II X, Typhoon X, and Quest chassis. For use with 2010 - 2017 EPA engines. Includes coolant recovery system.	1	
FUEL SYSTEMS			
1350-0004	Fuel system 50 gallon saddle tanks.	1	
1350-0022	Fuel line hose rubber.	1	
ALTERNATOR			
1700-0005	Alternator Leece Neville 320 amp. 320 amp SAE/272 amp NFPA.	1	
BATTERIES			
1400-0002	Battery four group 31 1000 CCA.	1	
CHASSIS OPTIONS			
1680-0005	Thermatic fan clutch.	1	
1680-0006	Drivelines 1710.	1	
1680-0012	Tow eyes rear frame painted black.	1	
1680-0042	Tow hooks front painted in the down position.	1	
1680-0051	Aerial hydraulic activation system.	1	
1680-0250-M58	Diesel Exhaust Fluid (DEF) 5 gallon tank for 2013 / 2016 EPA engines. Location: left side below rear of cab.	1	
CAB MODEL			
1520-0008	Cyclone II X medium cab with 58" CA	1	
CAB ROOF TYPE			
1615-0004	Cab roof to be "flat" with trough for waterway. Required with HM100 (with waterway), HP100 (all), CR100/92 Pltfm (SdStckr and W/O/P) or HP/HPS100	1	

Salescode	Extended Description	Qty	
CAB ROOF TYPE			
	Pltfrm (all).		
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
CAB DOOR OPTIONS			
1550-0003	Rear crew cab doors in the medium position.	1	
1550-0005	Driver and officer cab door windows. Include forward vent windows.	1	
1550-0011	Rear crew cab door windows. Includes manual roll-down actuation. Not available on Typhoon or CII with paddle style door latching.	1	
1550-0017	Cab door panels stainless steel.	1	
1550-0025	All cab doors shall have "L" style exterior latches.	1	
1550-0027	Front cab door windows to have manual actuation.	1	
1550-0059-000-G6	Reflective Red/Lemon Yellow printed striping positioned in the "A" formation located on the cab door panels.	1	
1550-0077	Interior cab door locks - manual. Will have manual actuation from each respective door. Includes barrel style key lock on each exterior cab door.	1	
1550-0084	All cab exterior access doors to have 1250 keyed locks.	1	
1550-0186-659	(4) TecNiq T440 4" LED cab step area lighting. Locate each light on each cab door in the inboard position. Lights to be switched with door ajar.	1	
MIRRORS			
1670-0003	Velvac 2010 mirrors. Door mounted west coast style with remote control and heat.	1	
MISC EXTERIOR CAB OPTIONS			
1550-0020	Windows cab side fixed driver's side.	1	
1550-0033	Windows cab side fixed officer's side.	1	
1675-0022	Pair of 18" handrails located just behind driver and officer front door one each side.	1	
1675-0023	Pair of 18" handrails located just behind driver and officer rear door (ALS doors if equipped) one each side.	1	
1675-0030	Mud flaps, front, black with E-ONE logo.	1	
1675-0047	Rear cab wall to be 3/16" aluminum diamond plate.	1	
1675-0201	Large radius cab wheel well. Includes bolt-on adjustable wheel well trim.	1	
1675-0202	Mounting plate for battery charger receptacle, indicator, air inlet, etc (if applicable). Plate to be removable brushed stainless steel.	1	

Salescode	Extended Description	Qty	
HVAC			
1515-0017	Air conditioning for the Typhoon X, CII X and Quest with Cummins ISC/ISL engine and radiator mounted condenser.	1	
1515-0048	Controls for heating and air conditioning shall be located in the driver side lower dash area. For use without front air bags only.	1	
SEATS			
1510-0003	Seats, Inc. brand 911 cab seats.	1	
1510-0008	Seat color gray.	1	
1510-0038	Driver seat 911 air ride.	1	
1510-0042	Officer seat to be 911 fixed SCBA.	1	
1510-0050	Rear facing 911 seat with SCBA driver's side.	1	
1510-0053	Rear facing 911 seat with SCBA officer's side.	1	
1510-0062	Two man bench centered on rear wall with 911 SCBA backs. Includes angled corners.	1	
1510-0234	Seat cover material Turnout Tuff.	1	
1685-0033	Seating capacity tag of six occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0000	Cab interior gray. Does not include engine cover or seat color.	1	
1685-0005	Lexan sun visors, driver and officer's side overhead.	1	
1685-0161	Severe duty dash package. Includes smooth plate alum center and officer side dash painted to match cab interior and lower dia plt kick panels.	1	
1685-0187	Severe duty engine cover, molded polyurethane.	1	
1685-0496	ABS overhead console. Includes front full width overhead, air conditioning plenum and rear facing blower.	1	
1685-0532	Stepped profile rear engine cover.	1	
CAB ELECTRICAL OPTIONS			
1750-0024-179-04	Auto-Eject receptacle inlet 20 amp located outside driver's door next to handrail with a Yellow cover.	1	
1750-0046-195	Cab Headlights. Position: lower.	1	
1750-0072-592	12 VDC (or 24VDC) electrical outlet wired battery hot. Location: driver side dash.	1	
1750-0075	English dominant main cab gauge cluster.	1	
1750-0198-A31	Battery charger to be located behind driver's seat.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	

Salescode	Extended Description	Qty	
CAB ELECTRICAL OPTIONS			
1750-0435	Halogen cab headlights. TyphoonX, CIIX and QST2 only.	1	
1750-0449	Momentary DPF regeneration override switch.	1	
1750-0651-172	Turn signal Whelen C-Series model C6T LED amber arrow pair located upper headlight bezel.	1	
1750-0666	Aerial PTO hourmeter in cab.	1	
5400-0037	Dome Lts Red/White Incandescent. Package includes two lights mounted in the front and two mounted in the rear of the cab. White light wire through door and light assembly mounted switch. Red light through light assembly mounted switch.	1	
BODY SPEC			
3090-0039	Body Specs - SideStacker 4 jack aerial with single axle. Includes left rear staircase with pocket style drop down step.	1	
BODY COMPT REAR			
3110-0360	Rear of body to have un-painted smooth plate overlay style body panels to facilitate rear body striping.	1	
AERIAL BODY OPTIONS			
3310-0052	Crosslay double 5.5" wide single stack to hold up to 200' of 2.0" DJ (each) or 150'-200' 2.5" DJ (each). Includes storage pan to rear of crosslays (if applicable).	1	
3310-0069	Rear ladder tunnel doors. Vertically hinged smooth plate to match rear body finish.	1	
3310-0162	Jack leg opening covers diamond plate (4) sets. Includes diamond plate outrigger covers and fixed diamond plate filler panels. HM100/110 requires surface mount warning lights.	1	
3310-0354	Auxiliary jack pad 24X24 (4) with 20 degree formed handle. Includes (2) double mounting brackets.	1	
3310-0496	Metro 100 single axle Quint front body module for use with 300 gallon tank and horizontal DPF/SCR.	1	
3310-0513	Fuel fill hinged door and fixed panel below door each side to rear of rear axle to be diamond plate.	1	
3310-0533	Compartments driver side single axle HR100 SideStacker. Includes rescue style extended height compartment ahead of wheel well and raised rear perimeter aft of rear jack legs for improved angle of departure. 65" high body (for 38.25" turntable height). Requires front tank module. Note: Can also be used with LTH/HM100 ladders with 40.25" TT height.	1	
3310-0534	Compartments officer side single axle HR100 SideStacker. Includes rescue style extended height compartments ahead of wheel well and raised rear perimeter aft	1	

Salescode	Extended Description	Qty	
AERIAL BODY OPTIONS			
	of rear jack legs for improved angle of departure. 65" high body (for 38.25" turntable height). Note: Can also be used with LTH/HM100 ladders with 40.25" TT height.		
3310-0537	Pike pole/Ladder storage. Holds (4) poles and (1) attic ladder with shoes. Available on Metro 100 Quint SideStacker. The access door to match the rear body finish.	1	
DOORS			
3300-0007-017	Door single vertical hinged painted. Location(s): R3	1	
3300-0289-005	Door double vertical hinged w/rotary latches - painted . Location(s): L3 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-018	Door double vertical hinged w/rotary latches - painted . Location(s): R4 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0292-003	Door double 3-point vertical hinged w/rotary latches - painted. Location(s): L1. Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0292-004	Door double 3-point vertical hinged w/rotary latches - painted. Location(s): L2. Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0292-006	Door double 3-point vertical hinged w/rotary latches - painted. Location(s): L4. Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0292-015	Door double 3-point vertical hinged w/rotary latches - painted. Location(s): R1. Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0292-016	Door double 3-point vertical hinged w/rotary latches - painted. Location(s): R2. Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
COVERS			
3305-0007-000-02	Vinyl Red hose bed cover with attached rear flap(s).	1	
3305-0008-000-02	Vinyl Red crosslay cover with attached side flaps.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0146	Officer side upper pump access panel to be horizontally hinged with stainless	1	

Salescode	Extended Description	Qty	
PUMP PANELS			
	steel door. Includes (2) push button latches and (1) hold open device.		
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	
WATER TANK			
4010-0195	300 gallon "T" water tank. UPF Poly III blue fill tower.	1	
TANK PLUMBING			
4450-0008	1.5" tank fill Akron manual valve.	1	
4450-0121	3" Tank to pump Akron air actuated valve w/4" tank connection.	1	
LADDER STORAGE / RACKS			
3365-0037-1FM	Center mounted ladder tunnel. Ladder rack to hold: PEL3-35, PEL-28, PEL-24, PRL-16 and PRL-14.	1	
HANDRAILS / STEPS			
3330-0002-050	Slide-out platform, rollerless. Includes chrome grab handle centered on the front face of the platform (includes hand rail as applicable). Located below driver side pump panel.	1	
3330-0100-M20	Step below body. Located below rear of officer side pump panel. Each location requires a minimum of (1) handrail / handhold per NFPA.	1	
MISC BODY OPTIONS			
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0270	The painted aerial body side panels shall be smooth / flush. Applies to SideStacker HB side, panels next to water tank on MM, and upper body sides on RLP.	1	
3340-0282-X73	Cab tilt switch and manual jack to be located: right side forward jack leg compartment low behind door in access panel (tilt sw behind door).	1	
3340-0486	Diamond plate single axle wheel well. Includes bolt-on composite wheel well liners and bolt-on polished alum fenderettes.	1	
PUMPS			
4005-0031	Rating 1500 GPM.	1	
4005-0217	Hale DSD Pump 750/1500 GPM single stage. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	

Salescode	Extended Description	Qty	
PUMP OPTIONS			
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0073	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location below running board on driver side (or area directly to rear of panel if no room below panel).	1	
4015-0210	Pump cooler with Innovative Control 1/4 turn valve with "T" handle and label.	1	
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			
4445-0048	Intake pressure relief valve, Task Force Tips.	1	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0014-581	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 1.	1	
4415-0014-582	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 2.	1	
4415-0034-583	3" Right Pump Panel Discharge Akron Manual Valve (Waterous pumps noted location to be forward lower port). Location: right side discharge 1.	1	
4415-0994	4" waterway discharge with 4" Akron electric valve with 9323 controller.	1	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0177	Innovative Controls 3/4" bleeder/drain valve include 1/4 turn T-handle.	6	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
PRESSURE GOVERNORS			
4465-0011	Class 1 TPG pressure governor. Includes, water, oil, volt and tachometer.	1	
GAUGES			
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	6	

Salescode	Extended Description	Qty	
GAUGES			
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			
5010-0039	V-MUX Electrical system for aerials.	1	
5010-0049	Vehicle data recorder - 2009 / 2016 NFPA compliant. Includes occupant detection shown in multiplex display. E-ONE chassis only.	1	
5010-0055-649	Vista IV display for V-MUX electrical system. Location: driver's side engine cover.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0506-000-4V	Front light bar LED color: Red/White with clear lenses (If applicable, includes side facing when colors are the same.)	1	
5300-0515	Whelen MKEZ7 1.5" standard mount for mini front light bars (4).	1	
5300-0524-034	Whelen F4 Mini-Freedom LED light bars (PR) 21.5" with 5 LEDs in each bar. Location: front cab corners.	1	
WARNING LIGHT PACKAGES			
5550-0484-535-4T	Whelen Super LED lower level warning light package. Includes (8) C-Series model C6L light heads and (2) ION-T Series model TLI light heads with bezels. Color: Red with clear lenses. Locate side facing lights: at forward most position, centered in rear wheel well, and side facing at rear of body in rubrail if equipped. Note: ION-T Series light only available with clear lenses.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0015	Whelen model 295SLSA1 siren with microphone (replaced 295HFSA1).	1	
5500-0024-170	The primary electronic siren control is to be located center overhead.	1	
SPEAKERS			
5510-0029-209	Speaker, Federal Signal Dynamax ES100 with "E-ONE" grille through bumper. Location: driver side front bumper.	1	
DOT LIGHTING			

Salescode	Extended Description	Qty	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0026	Marker light LED body/cab package. E-ONE custom cab with aerial ladder, Mid-Mount platform or Bronto bodies only.	1	
5150-0216	Whelen C6 series LED horizontal mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with horizontally mount with individual bezels and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0232	Step light package Whelen 2" LED - small.	1	
5380-0278	Compartment light package TecNiq T440 4" LED for large bodies.	1	
5380-0280	Ground light package TecNiq T440 4" LED - large.	1	
5380-0325	EON LED ladder tunnel light (EA).	3	
LIGHTS - DECK AND SCENE			
5390-0215-444	Deck Lights - Optronics Model TLL44 (PR). Location: (1) each side over rear ladder tunnel.	1	
5390-0216	Hose bed light Optronics LED model TLL44 Locate at front of hose bed. Switched with work light switch in cab.	1	
5390-0217	Crosslay light Optronics LED model TLL44. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0010	Incandescent pump compartment light (EA).	1	
5400-0259	TecNiq model E10 pump panel LED light package with (3) lights per side pump panel. Pump panels over 45" may require additional lights. Side mount only.	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
5100-0000-199	Foot switch to control air horns located officer's side.	1	
5100-0165	Audible door ajar alarm wired through door ajar light. For use with V-Mux Display only.	1	
CAMERAS / INTERCOM			
5350-0156	FRC ACT 2-way aerial intercom.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	

Salescode	Extended Description	Qty	
AERIAL MODEL			
6100-0096	Ladder HM100 with waterway to tip. Includes fabricated turntable, full fly section K-bracing, left side console with cover, split steps at tip and jack leg flood lights.	1	
AERIAL HYDRAULIC SYSTEM OPTIONS			
6150-0003-216	Gauge aerial hydraulic oil level. Electronic display to be located on pump operator's panel.	1	
AERIAL CONTROLS			
6850-0026	Direct hydraulic aerial control system.	1	
MONITORS			
6300-0017	Monitor painted silver from OEM.	1	
6300-0077	Monitor Akron StreamMaster II w/5177 electric nozzle 1000 GPM for ladder. Includes tip and base controls.	1	
AERIAL WARNING LIGHTS			
6550-0002	Outrigger warning lights (4) LED. Truck-Lite model 91R.	1	
AERIAL LIGHTING			
6560-0004-231	Collins light FX-12 located left side tip.	1	
6560-0032	Locate spot, flood and /or quartz lights on ladder fly section as far back from tip as possible.	1	
6560-0041	Whelen LED model PFBP12C at base (PR).	1	
WATERWAY OPTIONS			
6350-0000	Pinned waterway - upgrade. Waterway pins to section 2 or 3 on HP75 / HP78 and to section 3 or 4 on LTH100, HM100, HR100 and CR100.	1	
6350-0005	Rear 4" NST waterway inlet for rear mounted aerials. Includes chrome cap.	1	
6350-0010	Flowminder with single readout and totalizer for the aerial waterway to be located at the aerial control station.	1	
6350-0067	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel. Locate next to waterway inlet.	1	
AERIAL TESTING			
6900-0000	Aerial flow test - 3rd party.	1	
6900-0007	Aerial 2016 NFPA Certification.	1	
GROUND LADDERS			
7800-0002	Alco-Lite FL-10, 10' folding ladder without shoes.	1	

Salescode	Extended Description	Qty	
GROUND LADDERS			
7800-0007	Alco-Lite PRL-14' roof ladder.	1	
7800-0014	Alco-Lite PEL-16 Extension Ladder	1	
7800-0016	Alco-Lite PEL-24' 2-section extension ladder.	1	
7800-0021	Alco-Lite PEL-28' extension ladder.	1	
7800-0023	Alco-Lite PEL3-35' 3-section extension ladder.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0084	All applicable pump/pre-connect application modules are to have a job color finish. Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.	1	
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	
8100-0176-000-R5	Paint E-ONE chassis cab - Sikkens paint. Color: FLNA3225 Red (Sikkens published).	1	
8100-0183-000-R5	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225 Red (Sikkens published).	1	
8100-0356	Paint lift cylinders, extension cylinders and upper turntable steelwork FLNA4006 white (does not apply to TT deck).	1	
INTERIOR PAINT			
8150-0011	The interior of the cab to be painted Zolatone gray.	1	
STRIPING			
8200-0016	White reflective tape on (4) outriggers.	1	
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	

Salescode	Extended Description	Qty	
GRAPHICS			
8400-0022	Logo E-ONE (PR) on aerial lift cylinder. Logo to be black and white reflective material approx 14" long located midway along outward surface of cylinder.	1	
WARRANTY / STANDARD			
9100-0000	Standard 1 Year Warranty.	1	
9100-0003	Lifetime Frame Stuctural Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0007	20 Year Aerial Device Structural Warranty - Integrity Limited Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0000	Vehicle familiarization aerial (Domestic). 3 days. Use 9300-0315 for additional days.	1	
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0016	Approval Drawings-Standard.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	

ITEM #19
HP95 Platform
Cyclone II

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Cyclone II HP95 Platform
Item 19

Quotation Number: 72768 Rev: 15

Unit Description: AERM-CYC2-092P

Quote Description: Aerial Rear Mount, Cyclone II, 92 Platform Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0001	Hosebed hoseload allowance on the apparatus shall be 1000 lbs.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3340-1137-12C	Equipment allowance on the apparatus shall be 2500 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
BUMPERS			
1160-0000	Bumper 10" stainless steel.	1	
1160-0011	4" Front Bumper Extension.	1	
1160-0020	License plate holder mounted center of front bumper.	1	
FRAME ASSEMBLY			
1250-0005	Frame - Torque box for tandem axle RM aerial.	1	
1250-0092	GEOMET coated frame assembly fasteners.	1	
AXLE OPTIONS			
1025-0013	Meritor FL-943 front axle 21,500 lbs.	1	
1025-0022	Meritor RT-50-160 rear tandem axle 52,000 lb. capacity.	1	
1025-0028	Koni shock absorbers for front axle - adjustable.	1	
SUSPENSIONS			
1070-0002	Rear suspension springs rated equal to the capacity of the axles.	1	
WHEEL OPTIONS			

Salescode	Extended Description	Qty	
WHEEL OPTIONS			
1050-0007	Front axle wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center cap with E-ONE logo. Note: Center cap will have an inspection port IPO a logo if equipped with Stemco oil seals.	1	
1050-0009	Rear axle (tandem) wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center caps with E-ONE logo. E-ONE custom chassis w/steel wheels will have chrome plated plastic lug covers.	1	
1050-0044	Accuride aluminum wheels for front axle (2).	1	
1050-0046	Accuride aluminum wheels for rear axles (8).	1	
TIRE OPTIONS			
1060-0008	Eight Michelin 12R tires model XZE for rear axles	1	
1060-0046	Two Michelin 425 tires model XFE for front axle.	1	
1060-0119	RWC AirGuard LED tire pressure monitoring valve stem caps (10) for tandem rear axle applications.	1	
BRAKE SYSTEMS			
1100-0000	16-1/2" x 6" S-cam brakes with ArvinMeritor automatic slack adjusters for front axle.	1	
1100-0006	Parking brake release mounted on the driver's side lower dash.	1	
1100-0008	Brake system air 6X4.	1	
1100-0014	ArvinMeritor 16-1/2" x 7" S-cam brakes with cast brake drums for a tandem rear axle.	1	
1100-0026	G4 Electronic Stability Control (6x4), Includes RSC and ATC. Not available on 6x6 or commercial chassis.	1	
AIR SYSTEM OPTIONS			
1110-0000-001	Inlet for air system. Location: driver door jamb.	1	
1110-0002	Air dryer Bendix AD-9.	1	
1110-0006	Air lines nylon.	1	
1110-0041	Air horns Grover recessed in bumper (PR).	1	
ENGINES & TRANSMISSIONS			
1200-0017	Push-button transmission shift selector.	1	
1200-0021	TransSynd synthetic transmission fluid for EVS 4000.	1	
1200-0096	Electronic speed limiting set at 60 MPH.	1	
1200-0317	Eng/Trans Cummins ISX12 500HP with EVS4000 transmission. 2016 EPA Compliant.	1	

Salescode	Extended Description	Qty	
SECONDARY BRAKING			
1125-0002	Jacobs engine compression brake.	1	
1125-0023	Transmission to seek second gear when Jacobs engine brake or Telma retarder is engaged. N/A with Trans retarder.	1	
COOLING PACKAGE			
1800-0013	Cooling system for use with Cyclone II X, Typhoon X, and Quest chassis. For use with 2010 - 2017 EPA engines. Includes coolant recovery system.	1	
FUEL SYSTEMS			
1350-0004	Fuel system 50 gallon saddle tanks.	1	
1350-0022	Fuel line hose rubber.	1	
ALTERNATOR			
1700-0005	Alternator Leece Neville 320 amp. 320 amp SAE/272 amp NFPA.	1	
BATTERIES			
1400-0002	Battery four group 31 1000 CCA.	1	
CHASSIS OPTIONS			
1680-0005	Thermatic fan clutch.	1	
1680-0007	Drivelines 1810. Required on 1550 lb/ft torque or greater engines.	1	
1680-0008	Tow eyes front painted below bumper/cab (PR).	1	
1680-0012	Tow eyes rear frame painted black.	1	
1680-0017	Hot shift PTO.	1	
1680-0188	Aerial hydraulics installed on bottom port of EVS4000/4500 transmission (to allow for flat rear cab floor).	1	
1680-0250-M58	Diesel Exhaust Fluid (DEF) 5 gallon tank for 2013 / 2016 EPA engines. Location: left side below rear of cab.	1	
1680-0284	Radiator mounted power steering cooler.	1	
CAB MODEL			
1520-0008	Cyclone II X medium cab with 58" CA	1	
CAB ROOF TYPE			
1615-0004	Cab roof to be "flat" with trough for waterway. Required with HM100 (with waterway), HP100 (all), CR100/92 Pltfm (SdStckr and W/O/P) or HP/HPS100 Pltfrm (all).	1	

Salescode	Extended Description	Qty	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
CAB DOOR OPTIONS			
1550-0003	Rear crew cab doors in the medium position.	1	
1550-0005	Driver and officer cab door windows. Include forward vent windows.	1	
1550-0011	Rear crew cab door windows. Includes manual roll-down actuation. Not available on Typhoon or CII with paddle style door latching.	1	
1550-0016	Cab door panels ABS.	1	
1550-0025	All cab doors shall have "L" style exterior latches.	1	
1550-0027	Front cab door windows to have manual actuation.	1	
1550-0038-659	(4) LED cab step area lighting. Locate each light on each cab door in the inboard position. Lights to be switched with door ajar.	1	
1550-0044	All cab door kick plates to be made from diamond plate aluminum.	1	
1550-0059-000-G6	Reflective Red/Lemon Yellow printed striping positioned in the "A" formation located on the cab door panels.	1	
1550-0077	Interior cab door locks - manual. Will have manual actuation from each respective door. Includes barrel style key lock on each exterior cab door.	1	
1550-0084	All cab exterior access doors to have 1250 keyed locks.	1	
MIRRORS			
1670-0003	Velvac 2010 mirrors. Door mounted west coast style with remote control and heat.	1	
MISC EXTERIOR CAB OPTIONS			
1550-0020	Windows cab side fixed driver's side.	1	
1550-0033	Windows cab side fixed officer's side.	1	
1675-0022	Pair of 18" handrails located just behind driver and officer front door one each side.	1	
1675-0023	Pair of 18" handrails located just behind driver and officer rear door (ALS doors if equipped) one each side.	1	
1675-0030	Mud flaps, front, black with E-ONE logo.	1	
1675-0047	Rear cab wall to be 3/16" aluminum diamond plate.	1	
1675-0201	Large radius cab wheel well. Includes bolt-on adjustable wheel well trim.	1	
1675-0202	Mounting plate for battery charger receptacle, indicator, air inlet, etc (if applicable). Plate to be removable brushed stainless steel.	1	
HVAC			

Salescode	Extended Description	Qty	
HVAC			
1515-0018	Air conditioning for the Typhoon X, CII X and Quest with roof top mounted condenser.	1	
1515-0048	Controls for heating and air conditioning shall be located in the driver side lower dash area. For use without front air bags only.	1	
SEATS			
1510-0003	Seats, Inc. brand 911 cab seats.	1	
1510-0007	Seat cover material vinyl.	1	
1510-0008	Seat color gray.	1	
1510-0035-147	Universal air pack bottle bracket (EA). Location: officer's seat.	1	
1510-0035-148	Universal air pack bottle bracket (EA). Location: rear facing driver's side.	1	
1510-0035-151	Universal air pack bottle bracket (EA). Location: inboard driver's side rear wall.	1	
1510-0035-152	Universal air pack bottle bracket (EA). Location: inboard officer's side rear wall.	1	
1510-0035-215	Universal air pack bottle bracket (EA). Location: rear facing officer's side.	1	
1510-0038	Driver seat 911 air ride.	1	
1510-0042	Officer seat to be 911 fixed SCBA.	1	
1510-0050	Rear facing 911 seat with SCBA driver's side.	1	
1510-0053	Rear facing 911 seat with SCBA officer's side.	1	
1510-0062	Two man bench centered on rear wall with 911 SCBA backs. Includes angled corners.	1	
1685-0033	Seating capacity tag of six occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0000	Cab interior gray. Does not include engine cover or seat color.	1	
1685-0006	Padded sun visors, driver and officer's side overhead.	1	
1685-0168	ABS Dash package. Includes center and officer side dash, lower kick panels and "A" post covers.	1	
1685-0187	Severe duty engine cover, molded polyurethane.	1	
1685-0496	ABS overhead console. Includes front full width overhead, air conditioning plenum and rear facing blower.	1	
1685-0532	Stepped profile rear engine cover.	1	
CAB ELECTRICAL OPTIONS			
1750-0046-195	Cab Headlights. Position: lower.	1	
1750-0059-179-04	Receptacle inlet 20 amp with a Yellow cover. Location: outside driver's door next	1	

Salescode	Extended Description	Qty	
CAB ELECTRICAL OPTIONS			
	to handrail.		
1750-0072-592	12 VDC (or 24VDC) electrical outlet wired battery hot. Location: driver side dash.	1	
1750-0075	English dominant main cab gauge cluster.	1	
1750-0158	Dome Lts Red/White LED. Package includes two lights mounted in the front and two mounted in the rear of the cab. White light wired through door and light assembly switch. Red light through light assembly switch.	1	
1750-0198-A31	Battery charger to be located behind driver's seat.	1	
1750-0215-172	Turn signal Whelen M6 LED arrow amber pair located upper headlight bezel.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
1750-0435	Halogen cab headlights. TyphoonX, CIIX and QST2 only.	1	
1750-0449	Momentary DPF regeneration override switch.	1	
BODY SPEC			
3090-0000	Body Specs - SideStacker aerial with tandem axle. Includes left rear staircase with pocket style drop down step.	1	
BODY COMPT REAR			
3110-0360	Rear of body to have un-painted smooth plate overlay style body panels to facilitate rear body striping.	1	
AERIAL BODY OPTIONS			
3310-0002	Compartments driver side CR100/95 platform SideStacker with 300g tank. Includes rescue style compartments.	1	
3310-0013	Compartments officer side CR100/95 platform SideStacker with 300g tank. Includes rescue style compartments ahead of wheel wells with standard hosebed.	1	
3310-0032	Recessed tubes for (6) pike poles. Not available on HP75 SideStacker.	1	
3310-0051	Crosslay double to hold up to 200' of 2.0" DJ (each). Includes storage pan to rear of crosslays (if applicable).	1	
3310-0069	Rear ladder tunnel doors. Vertically hinged smooth plate to match rear body finish.	1	
3310-0162	Jack leg opening covers diamond plate (4) sets. Includes diamond plate outrigger covers and fixed diamond plate filler panels. HM100/110 requires surface mount warning lights.	1	
3310-0309	Auxiliary jack pad 26X26 (4) with 20 degree formed handle. Includes (4) mounting brackets.	1	
3310-0513	Fuel fill hinged door and fixed panel below door each side to rear of rear axle to	1	

Salescode	Extended Description	Qty	
AERIAL BODY OPTIONS			
	be diamond plate.		
DOORS			
3300-0007-017	Door single vertical hinged painted. Location(s): R3	1	
3300-0007-018	Door single vertical hinged painted. Location(s): R4	1	
3300-0011-005	Door single horizontal hinged lift-up box pan configuration painted. Location(s): L3	1	
3300-0011-006	Door single horizontal hinged lift-up box pan configuration painted. Location(s): L4	1	
3300-0017-003	Door roll up short (up to 45") with satin finish ROM. Location(s): L1.	1	
3300-0017-007	Door roll up short (up to 45") with satin finish ROM. Location(s): L5.	1	
3300-0017-015	Door roll up short (up to 45") with satin finish ROM. Location(s): R1.	1	
3300-0019-004	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L2.	1	
3300-0019-008	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L6.	1	
3300-0019-016	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R2.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0055	Officer side upper pump access panel to be horizontal hinged with stainless steel door. Includes (2) push button latches and (2) hold open devices.	1	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	
WATER TANK			
4010-0195	300 gallon "T" water tank. UPF Poly III blue fill tower.	1	
TANK PLUMBING			
4450-0010	2" tank fill Akron manual valve.	1	
4450-0022	3" tank to pump Akron manual valve.	1	
LADDER STORAGE / RACKS			
3365-0013-607	Center mounted ladder tunnel. Ladder rack to hold: (2)PEL-35, PEL-28, PEL-24,	1	

Salescode	Extended Description	Qty	
LADDER STORAGE / RACKS			
	PRL-20, PRL-16 and FL-10 (with rubber block feet).		
HANDRAILS / STEPS			
3330-0002-050	Slide-out platform, rollerless. Includes chrome grab handle centered on the front face of the platform (includes hand rail as applicable). Located below driver side pump panel.	1	
MISC BODY OPTIONS			
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0107	Diamond plate tandem axle wheel well. Includes bolt-on composite wheel well liners and fenderettes.	1	
3340-0270	The painted aerial body side panels shall be smooth / flush. Applies to SideStacker HB side, panels next to water tank on MM, and upper body sides on RLP.	1	
PUMPS			
4005-0031	Rating 1500 GPM.	1	
4005-0196	Hale QMAX 1000-2250 GPM single stage pump. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PUMP OPTIONS			
4015-0029	Hale pressure relief valve.	1	
4015-0037	Engine throttle, vernier.	1	
4015-0038	Pump seal packing for Hale pump.	1	
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0073	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location below running board on driver side (or area directly to rear of panel if no room below panel).	1	
4015-0210	Pump cooler with Innovative Control 1/4 turn valve with "T" handle and label.	1	
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			

Salescode	Extended Description	Qty	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0051	4" Waterway Discharge with 3" Akron Manual Valve.	1	
4415-0161-581	2.5" Left Panel Discharge Akron Manual Valve w/30 Degree Chrome Droop. Location: left side discharge 1.	1	
4415-0161-582	2.5" Left Panel Discharge Akron Manual Valve w/30 Degree Chrome Droop. Location: left side discharge 2.	1	
4415-0164-583	2.5" Right Panel Discharge Akron Manual Valve w/30 Degree Chrome Droop. Location: right side discharge 1.	1	
4415-0164-584	2.5" Right Panel Discharge Akron Manual Valve w/30 Degree Chrome Droop. Location: right side discharge 2.	1	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	7	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
GAUGES			
4435-0069	Class 1 ENFO IV system on pump operator's panel.	1	
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	7	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			
5010-0039	V-MUX Electrical system for aerials.	1	
5010-0049	Vehicle data recorder - 2009 / 2016 NFPA compliant. Includes occupant detection shown in multiplex display. E-ONE chassis only.	1	
5010-0055-649	Vista IV display for V-MUX electrical system. Location: driver's side engine cover.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			

Salescode	Extended Description	Qty	
LIGHT BARS			
5300-0506-000-4T	Front light bar LED color: Red with clear lenses (If applicable, includes side facing when colors are the same.)	1	
5300-0514	Whelen MK9S short slide bolt bracket mount for mini front light bars (4).	1	
5300-0524-035	Whelen F4 Mini-Freedom LED light bars (PR) 21.5" with 5 LEDs in each bar. Location: front cab corners at 20 degree angle.	1	
WARNING LIGHT PACKAGES			
5550-0484-538-4U	Whelen Super LED lower level warning light package. Includes (8) C-Series model C6L light heads and (2) ION-T Series model TLI light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, in rear wheel well offset to front, and side facing at rear of body in rubrail if equipped. Note: ION-T Series light only available with clear lenses.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-170	The primary electronic siren control is to be located center overhead.	1	
SPEAKERS			
5510-0029-209	Speaker, Federal Signal Dynamax ES100 with "E-ONE" grille through bumper. Location: driver side front bumper.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0028	Marker light LED body/cab package. E-ONE custom cab with rear mount aerial platform bodies only. Includes (3) marker lights on front of platform.	1	
5150-0102	Whelen M6 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical 3 light housing and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0030	Ground light package LED - small.	1	
5380-0278	Compartment light package TecNiq T440 4" LED for large bodies.	1	
5380-0285	Step light package body TecNiq T440 4" LED - small.	1	

Salescode	Extended Description	Qty	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0325	EON LED ladder tunnel light (EA).	2	
LIGHTS - DECK AND SCENE			
5390-0215-444	Deck Lights - Optronics Model TLL44 (PR). Location: (1) each side over rear ladder tunnel.	1	
5390-0216	Hose bed light Optronics LED model TLL44 Locate at front of hose bed. Switched with work light switch in cab.	1	
5390-0217	Crosslay light Optronics LED model TLL44. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0011	LED pump compartment light (EA).	1	
5400-0259	TecNiq model E10 pump panel LED light package with (3) lights per side pump panel. Pump panels over 45" may require additional lights. Side mount only.	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
5100-0165	Audible door ajar alarm wired through door ajar light. For use with V-Mux Display only.	1	
CAMERAS / INTERCOM			
5350-0156	FRC ACT 2-way aerial intercom.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
AERIAL MODEL			
6100-0069	Platform 95 SideStacker. Includes platform with angled corners, left side turntable console and jack leg flood lights.	1	
AERIAL HYDRAULIC SYSTEM OPTIONS			
6150-0003-216	Gauge aerial hydraulic oil level. Electronic display to be located on pump operator's panel.	1	
6150-0014	Aerial hydraulic pump to be upgraded to a variable displacement style pump	1	
AERIAL CONTROLS			
6850-0037	Advanced Aerial Control System - Platform. Includes body protection, cradle alignment lt and 3.2" displays with flowmeter at each control console.	1	

Salescode	Extended Description	Qty	
AERIAL CONTROLS			
6850-0043	Diamond plate turntable console mounted to tube style pedestal mount. Includes side hinged diamond plate cover with hinge on outboard side. Includes modified left side turntable handrail. (95-platform and HP/HPS100 Platform only)	1	
MONITORS			
6300-0017	Monitor painted silver from OEM.	1	
6300-0108	Monitor Akron StreamMaster II electric with 5177 nozzle 1250GPM for platform. Includes tip controls, base controls and a butterfly valve. Monitor to have multiple flow ratings based on aerial model and monitor position.	1	
AERIAL WARNING LIGHTS			
6550-0002	Outrigger warning lights (4) LED. Truck-Lite model 91R.	1	
6550-0100-000-4U	Whelen C-Series model C6L Super LED warning lights (4). Color: Red with red lenses. Located down low across front of platform wired to upper level lights.	1	
AERIAL LIGHTING			
6560-0041	Whelen LED model PFBP12C at base (PR).	1	
6560-0163-237	Light Whelen Micro Pioneer model MPPWCS low profile pedestal mount with a white housing with chrome cover. Switched at light head and base console. Location(s): center front of platform.	1	
WATERWAY OPTIONS			
6350-0005	Rear 4" NST waterway inlet for rear mounted aerials. Includes chrome cap.	1	
6350-0012-192	Akron 2.5" valve for platform. Valve to be located at the front of platform next to monitor.	1	
6350-0014	2.5" chrome elbow with 2.5" x 1.5" reducer and 1.5" cap for platform / ladder discharge valve.	1	
6350-0067	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel. Locate next to waterway inlet.	1	
BREATHING AIR			
6400-0003	Breathing air platform with (1) 444CF cylinder. Includes low air alarm.	1	
SIGN PLATES			
6750-0002-000-39	Aerial sign plates 22 x 144 (PR). Does not include lettering. Color: Job Color.	1	
AERIAL TESTING			
6900-0000	Aerial flow test - 3rd party.	1	
6900-0007	Aerial 2016 NFPA Certification.	1	

Salescode	Extended Description	Qty	
GROUND LADDERS			
7800-0010	Alco-Lite PRL-16' roof ladder.	1	
7800-0016	Alco-Lite PEL-24' 2-section extension ladder.	1	
7800-0021	Alco-Lite PEL-28' extension ladder.	1	
7800-0023	Alco-Lite PEL3-35' 3-section extension ladder.	2	
7800-0032	Alco-Lite FL-10, 10' folding ladder w/safety shoes.	1	
7800-0038	Alco-Lite PRL-20' roof ladder.	1	
MISC LOOSE EQUIPMENT			
7600-0016	Wheel chocks 44" NFPA compliant, pair (PR) of Zico SAC-44. Up to 44" diameter tires. Includes mounting brackets.	1	
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0084	All applicable pump/pre-connect application modules are to have a job color finish. Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.	1	
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	
8100-0176-000-17	Paint E-ONE chassis cab - Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0183-000-17	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0354	Paint lift cylinders, extension cylinders and upper turntable steelwork primary job color (does not apply to TT deck).	1	
INTERIOR PAINT			
8150-0011	The interior of the cab to be painted Zolatone gray.	1	
STRIPING			
8200-0016	White reflective tape on (4) outriggers.	1	
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above	1	

Salescode	Extended Description	Qty	
STRIPING			
	48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.		
GRAPHICS			
8400-0022	Logo E-ONE (PR) on aerial lift cylinder. Logo to be black and white reflective material approx 14" long located midway along outward surface of cylinder.	1	
8400-0067	E-ONE logo with grey backing on M6 series vertical tail light housing (PR).	1	
WARRANTY / STANDARD			
9100-0000	Standard 1 Year Warranty.	1	
9100-0003	Lifetime Frame Stuctural Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0007	20 Year Aerial Device Structural Warranty - Integrity Limited Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0000	Vehicle familiarization aerial (Domestic). 3 days. Use 9300-0315 for additional days.	1	
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0016	Approval Drawings-Standard.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	

ITEM #20
HP100 Platform
Cyclone II

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
HP100 Platform
Item #20

Quotation Number: 72769 Rev: 11

Unit Description: AERM-CYC2-100P

Quote Description: Aerial Rear Mount, Cyclone II, 100 Foot Platform Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0001	Hosebed hoseload allowance on the apparatus shall be 1000 lbs.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3340-1137-12C	Equipment allowance on the apparatus shall be 2500 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
BUMPERS			
1160-0000	Bumper 10" stainless steel.	1	
1160-0008	3/16" Front Bumper Gravel Shield.	1	
1160-0014	20" Front Bumper Gravel Shield Extension.	1	
1160-0020	License plate holder mounted center of front bumper.	1	
FRAME ASSEMBLY			
1250-0014	Frame - Torque box for HP100 platform.	1	
1250-0092	GEOMET coated frame assembly fasteners.	1	
AXLE OPTIONS			
1025-0023	Meritor RT-50-160 rear tandem axle 54,000 lb. capacity.	1	
1025-0028	Koni shock absorbers for front axle - adjustable.	1	
1025-0171	Dana 22I 24,000 lb. front axle.	1	
SUSPENSIONS			
1070-0015	Ridewell Dynalastic rear suspension (40-54K) rated equal to the capacity of the	1	

Salescode	Extended Description	Qty	
SUSPENSIONS			
	axles.		
WHEEL OPTIONS			
1050-0001	Alcoa aluminum wheels for front axle (2).	1	
1050-0005	Alcoa aluminum wheels for rear axles (8).	1	
1050-0007	Front axle wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center cap with E-ONE logo. Note: Center cap will have an inspection port IPO a logo if equipped with Stemco oil seals.	1	
1050-0009	Rear axle (tandem) wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center caps with E-ONE logo. E-ONE custom chassis w/steel wheels will have chrome plated plastic lug covers.	1	
TIRE OPTIONS			
1060-0008	Eight Michelin 12R tires model XZE for rear axles	1	
1060-0046	Two Michelin 425 tires model XFE for front axle.	1	
1060-0113	Intermittent service tire rating.	1	
1060-0119	RWC AirGuard LED tire pressure monitoring valve stem caps (10) for tandem rear axle applications.	1	
BRAKE SYSTEMS			
1100-0006	Parking brake release mounted on the driver's side lower dash.	1	
1100-0008	Brake system air 6X4.	1	
1100-0014	ArvinMeritor 16-1/2" x 7" S-cam brakes with cast brake drums for a tandem rear axle.	1	
1100-0026	G4 Electronic Stability Control (6x4), Includes RSC and ATC. Not available on 6x6 or commercial chassis.	1	
1100-0031	Dana ADB22X 17" disc brakes for front axle.	1	
AIR SYSTEM OPTIONS			
1110-0000-001	Inlet for air system. Location: driver door jamb.	1	
1110-0002	Air dryer Bendix AD-9.	1	
1110-0006	Air lines nylon.	1	
1110-0026	Air horns recessed in bumper (PR).	1	
ENGINES & TRANSMISSIONS			
1200-0017	Push-button transmission shift selector.	1	
1200-0021	TransSynd synthetic transmission fluid for EVS 4000.	1	

Salescode	Extended Description	Qty	
ENGINES & TRANSMISSIONS			
1200-0096	Electronic speed limiting set at 60 MPH.	1	
1200-0317	Eng/Trans Cummins ISX12 500HP with EVS4000 transmission. 2016 EPA Compliant.	1	
SECONDARY BRAKING			
1125-0002	Jacobs engine compression brake.	1	
1125-0023	Transmission to seek second gear when Jacobs engine brake or Telma retarder is engaged. N/A with Trans retarder.	1	
COOLING PACKAGE			
1800-0013	Cooling system for use with Cyclone II X, Typhoon X, and Quest chassis. For use with 2010 - 2017 EPA engines. Includes coolant recovery system.	1	
FUEL SYSTEMS			
1350-0005	Fuel system 65 gallons.	1	
1350-0022	Fuel line hose rubber.	1	
ALTERNATOR			
1700-0019	Alternator Niehoff 360 amp (360 amp SAE/320 NFPA rating). Available only on ISX12 and ISX15.	1	
BATTERIES			
1400-0002	Battery four group 31 1000 CCA.	1	
CHASSIS OPTIONS			
1680-0005	Thermatic fan clutch.	1	
1680-0007	Drivelines 1810. Required on 1550 lb/ft torque or greater engines.	1	
1680-0008	Tow eyes front painted below bumper/cab (PR).	1	
1680-0012	Tow eyes rear frame painted black.	1	
1680-0017	Hot shift PTO.	1	
1680-0188	Aerial hydraulics installed on bottom port of EVS4000/4500 transmission (to allow for flat rear cab floor).	1	
1680-0250-M58	Diesel Exhaust Fluid (DEF) 5 gallon tank for 2013 / 2016 EPA engines. Location: left side below rear of cab.	1	
1680-0284	Radiator mounted power steering cooler.	1	
CAB MODEL			
1520-0008	Cyclone II X medium cab with 58" CA	1	

Salescode	Extended Description	Qty	
CAB ROOF TYPE			
1615-0004	Cab roof to be "flat" with trough for waterway. Required with HM100 (with waterway), HP100 (all), CR100/92 Pltfm (SdStckr and W/O/P) or HP/HPS100 Pltfrm (all).	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
CAB DOOR OPTIONS			
1550-0003	Rear crew cab doors in the medium position.	1	
1550-0005	Driver and officer cab door windows. Include forward vent windows.	1	
1550-0011	Rear crew cab door windows. Includes manual roll-down actuation. Not available on Typhoon or CII with paddle style door latching.	1	
1550-0016	Cab door panels ABS.	1	
1550-0025	All cab doors shall have "L" style exterior latches.	1	
1550-0027	Front cab door windows to have manual actuation.	1	
1550-0044	All cab door kick plates to be made from diamond plate aluminum.	1	
1550-0059-000-G6	Reflective Red/Lemon Yellow printed striping positioned in the "A" formation located on the cab door panels.	1	
1550-0077	Interior cab door locks - manual. Will have manual actuation from each respective door. Includes barrel style key lock on each exterior cab door.	1	
1550-0083	All cab exterior access doors to have CH751 keyed locks.	1	
1550-0186-659	(4) TecNiq T440 4" LED cab step area lighting. Locate each light on each cab door in the inboard position. Lights to be switched with door ajar.	1	
MIRRORS			
1670-0003	Velvac 2010 mirrors. Door mounted west coast style with remote control and heat.	1	
MISC EXTERIOR CAB OPTIONS			
1550-0020	Windows cab side fixed driver's side.	1	
1550-0033	Windows cab side fixed officer's side.	1	
1675-0022	Pair of 18" handrails located just behind driver and officer front door one each side.	1	
1675-0023	Pair of 18" handrails located just behind driver and officer rear door (ALS doors if equipped) one each side.	1	
1675-0030	Mud flaps, front, black with E-ONE logo.	1	
1675-0047	Rear cab wall to be 3/16" aluminum diamond plate.	1	

Salescode	Extended Description	Qty	
MISC EXTERIOR CAB OPTIONS			
1675-0201	Large radius cab wheel well. Includes bolt-on adjustable wheel well trim.	1	
1675-0202	Mounting plate for battery charger receptacle, indicator, air inlet, etc (if applicable). Plate to be removable brushed stainless steel.	1	
HVAC			
1515-0018	Air conditioning for the Typhoon X, CII X and Quest with roof top mounted condenser.	1	
1515-0048	Controls for heating and air conditioning shall be located in the driver side lower dash area. For use without front air bags only.	1	
SEATS			
1510-0003	Seats, Inc. brand 911 cab seats.	1	
1510-0007	Seat cover material vinyl.	1	
1510-0008	Seat color gray.	1	
1510-0035-147	Universal air pack bottle bracket (EA). Location: officer's seat.	1	
1510-0035-148	Universal air pack bottle bracket (EA). Location: rear facing driver's side.	1	
1510-0035-151	Universal air pack bottle bracket (EA). Location: inboard driver's side rear wall.	1	
1510-0035-152	Universal air pack bottle bracket (EA). Location: inboard officer's side rear wall.	1	
1510-0035-215	Universal air pack bottle bracket (EA). Location: rear facing officer's side.	1	
1510-0038	Driver seat 911 air ride.	1	
1510-0042	Officer seat to be 911 fixed SCBA.	1	
1510-0050	Rear facing 911 seat with SCBA driver's side.	1	
1510-0053	Rear facing 911 seat with SCBA officer's side.	1	
1510-0062	Two man bench centered on rear wall with 911 SCBA backs. Includes angled corners.	1	
1685-0033	Seating capacity tag of six occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0000	Cab interior gray. Does not include engine cover or seat color.	1	
1685-0005	Lexan sun visors, driver and officer's side overhead.	1	
1685-0168	ABS Dash package. Includes center and officer side dash, lower kick panels and "A" post covers.	1	
1685-0187	Severe duty engine cover, molded polyurethane.	1	
1685-0496	ABS overhead console. Includes front full width overhead, air conditioning plenum and rear facing blower.	1	

Salescode	Extended Description	Qty	
MISC INTERIOR CAB OPTIONS			
1685-0532	Stepped profile rear engine cover.	1	
CAB ELECTRICAL OPTIONS			
1750-0024-179-04	Auto-Eject receptacle inlet 20 amp located outside driver's door next to handrail with a Yellow cover.	1	
1750-0046-195	Cab Headlights. Position: lower.	1	
1750-0072-592	12 VDC (or 24VDC) electrical outlet wired battery hot. Location: driver side dash.	1	
1750-0075	English dominant main cab gauge cluster.	1	
1750-0158	Dome Lts Red/White LED. Package includes two lights mounted in the front and two mounted in the rear of the cab. White light wired through door and light assembly switch. Red light through light assembly switch.	1	
1750-0198-A31	Battery charger to be located behind driver's seat.	1	
1750-0215-172	Turn signal Whelen M6 LED arrow amber pair located upper headlight bezel.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
1750-0435	Halogen cab headlights. TyphoonX, CIIX and QST2 only.	1	
1750-0449	Momentary DPF regeneration override switch.	1	
BODY SPEC			
3090-0000	Body Specs - SideStacker aerial with tandem axle. Includes left rear staircase with pocket style drop down step.	1	
BODY COMPT REAR			
3110-0360	Rear of body to have un-painted smooth plate overlay style body panels to facilitate rear body striping.	1	
AERIAL BODY OPTIONS			
3310-0032	Recessed tubes for (6) pike poles. Not available on HP75 SideStacker.	1	
3310-0051	Crosslay double to hold up to 200' of 2.0" DJ (each). Includes storage pan to rear of crosslays (if applicable).	1	
3310-0069	Rear ladder tunnel doors. Vertically hinged smooth plate to match rear body finish.	1	
3310-0072	Compartments driver side HP100 Platform SideStacker with 300g tank. Includes rescue style extended height compartments. The door on small compts next to rear outrigger to match wheelwell.	1	
3310-0073	Compartments officer side HP100 Platform SideStacker with 300g tank. Includes rescue style extended height compartments ahead of wheel well with extended hosebed.	1	

Salescode	Extended Description	Qty	
AERIAL BODY OPTIONS			
3310-0075	Upper dunnage area extension 34 x 58 diamond plate.	1	
3310-0162	Jack leg opening covers diamond plate (4) sets. Includes diamond plate outrigger covers and fixed diamond plate filler panels. HM100/110 requires surface mount warning lights.	1	
3310-0310	Auxiliary jack pad 26X26 (4) with 20 degree formed handle. Includes (2) double mounting brackets.	1	
DOORS			
3300-0007-017	Door single vertical hinged painted. Location(s): R3	1	
3300-0007-018	Door single vertical hinged painted. Location(s): R4	1	
3300-0007-019	Door single vertical hinged painted. Location(s): R5	1	
3300-0011-005	Door single horizontal hinged lift-up box pan configuration painted. Location(s): L3	1	
3300-0011-006	Door single horizontal hinged lift-up box pan configuration painted. Location(s): L4	1	
3300-0017-007	Door roll up short (up to 45") with satin finish ROM. Location(s): L5.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-004	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L2.	1	
3300-0019-015	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R1.	1	
3300-0019-016	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R2.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0055	Officer side upper pump access panel to be horizontal hinged with stainless steel door. Includes (2) push button latches and (2) hold open devices.	1	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	
WATER TANK			
4010-0195	300 gallon "T" water tank. UPF Poly III blue fill tower.	1	
TANK PLUMBING			

Salescode	Extended Description	Qty	
TANK PLUMBING			
4450-0010	2" tank fill Akron manual valve.	1	
4450-0022	3" tank to pump Akron manual valve.	1	
LADDER STORAGE / RACKS			
3365-0076-Q04	Center mounted ladder tunnel for HP100 and HPS100 Platforms. Note: 1" aerial raise required with 30' and larger 3-section ladder in tunnel. Rack to hold: (2)PEL-35, PEL-28, PEL-24, PRL-20, PRL-16 and FL-10 (with rubber block feet and no handles).	1	
HANDRAILS / STEPS			
3330-0002-050	Slide-out platform, rollerless. Includes chrome grab handle centered on the front face of the platform (includes hand rail as applicable). Located below driver side pump panel.	1	
MISC BODY OPTIONS			
3340-0058	Recessed fuel fill driver side wheel well.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0107	Diamond plate tandem axle wheel well. Includes bolt-on composite wheel well liners and fenderettes.	1	
3340-0270	The painted aerial body side panels shall be smooth / flush. Applies to SideStacker HB side, panels next to water tank on MM, and upper body sides on RLP.	1	
PUMPS			
4005-0031	Rating 1500 GPM.	1	
4005-0196	Hale QMAX 1000-2250 GPM single stage pump. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PUMP OPTIONS			
4015-0038	Pump seal packing for Hale pump.	1	
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0073	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location below running board on driver side (or area directly to rear of panel if no room below panel).	1	
4015-0210	Pump cooler with Innovative Control 1/4 turn valve with "T" handle and label.	1	

Salescode	Extended Description	Qty	
PUMP OPTIONS			
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0161-581	2.5" Left Panel Discharge Akron Manual Valve w/30 Degree Chrome Droop. Location: left side discharge 1.	1	
4415-0161-582	2.5" Left Panel Discharge Akron Manual Valve w/30 Degree Chrome Droop. Location: left side discharge 2.	1	
4415-0164-583	2.5" Right Panel Discharge Akron Manual Valve w/30 Degree Chrome Droop. Location: right side discharge 1.	1	
4415-0164-584	2.5" Right Panel Discharge Akron Manual Valve w/30 Degree Chrome Droop. Location: right side discharge 2.	1	
4415-0994	4" waterway discharge with 4" Akron electric valve with 9323 controller.	1	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	7	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
PRESSURE GOVERNORS			
4465-0011	Class 1 TPG pressure governor. Includes, water, oil, volt and tachometer.	1	
GAUGES			
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	7	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			
5010-0039	V-MUX Electrical system for aerials.	1	

Salescode	Extended Description	Qty	
ELECTRICAL SYSTEMS			
5010-0049	Vehicle data recorder - 2009 / 2016 NFPA compliant. Includes occupant detection shown in multiplex display. E-ONE chassis only.	1	
5010-0055-649	Vista IV display for V-MUX electrical system. Location: driver's side engine cover.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0506-000-4T	Front light bar LED color: Red with clear lenses (If applicable, includes side facing when colors are the same.)	1	
5300-0515	Whelen MKEZ7 1.5" standard mount for mini front light bars (4).	1	
5300-0523	Whelen F4 Mini-Freedom LED side facing front cab light bars (PR) 21.5" . For use on rear mount platforms with supplemental upper level Zone A warning lights. Locate one each side front cab corners side facing.	1	
WARNING LIGHT PACKAGES			
5550-0484-538-4U	Whelen Super LED lower level warning light package. Includes (8) C-Series model C6L light heads and (2) ION-T Series model TLI light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, in rear wheel well offset to front, and side facing at rear of body in rubrail if equipped. Note: ION-T Series light only available with clear lenses.	1	
WARNING LIGHTS			
5600-0078-290-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location above L2/R2 compartments offset rearward to supplement upper rear warnings.	1	
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0015	Whelen model 295SLSA1 siren with microphone (replaced 295HFSA1).	1	
5500-0024-170	The primary electronic siren control is to be located center overhead.	1	
SPEAKERS			
5510-0049-209	Whelen SP123BMC electronic siren speaker recessed in front bumper. Location: driver side front bumper.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0028	Marker light LED body/cab package. E-ONE custom cab with rear mount aerial	1	

Salescode	Extended Description	Qty	
DOT LIGHTING			
	platform bodies only. Includes (3) marker lights on front of platform.		
5150-0129	Whelen M6 series LED horizontal mount tail lights. Includes LED stop/tail, arrow turn and back-up lights individually mounted with weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0278	Compartment light package TecNiq T440 4" LED for large bodies.	1	
5380-0280	Ground light package TecNiq T440 4" LED - large.	1	
5380-0285	Step light package body TecNiq T440 4" LED - small.	1	
5380-0325	EON LED ladder tunnel light (EA).	2	
LIGHTS - DECK AND SCENE			
5390-0000-444	Deck light - Unity 12 volt (PR). Location: (1) each side over rear ladder tunnel.	1	
5390-0216	Hose bed light Optronics LED model TLL44 Locate at front of hose bed. Switched with work light switch in cab.	1	
5390-0217	Crosslay light Optronics LED model TLL44. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0011	LED pump compartment light (EA).	1	
5400-0259	TecNiq model E10 pump panel LED light package with (3) lights per side pump panel. Pump panels over 45" may require additional lights. Side mount only.	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
5100-0000-199	Foot switch to control air horns located officer's side.	1	
5100-0165	Audible door ajar alarm wired through door ajar light. For use with V-Mux Display only.	1	
CAMERAS / INTERCOM			
5350-0156	FRC ACT 2-way aerial intercom.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
AERIAL MODEL			
6100-0018	Platform HP100 with SideStacker T/T. Includes left side console, turntable mansaver bars and jack leg flood lights.	1	

Salescode	Extended Description	Qty	
AERIAL HYDRAULIC SYSTEM OPTIONS			
6150-0003-216	Gauge aerial hydraulic oil level. Electronic display to be located on pump operator's panel.	1	
AERIAL CONTROLS			
6850-0037	Advanced Aerial Control System - Platform. Includes body protection, cradle alignment lt and 3.2" displays with flowmeter at each control console.	1	
6850-0043	Diamond plate turntable console mounted to tube style pedestal mount. Includes side hinged diamond plate cover with hinge on outboard side. Includes modified left side turntable handrail. (95-platform and HP/HPS100 Platform only)	1	
6850-0069	Platform leveling system to allow adjustment of platform pivot angle from cab. Includes switch with multi-color light accessible by driver to indicate platform is in alignment with ladder.	1	
MONITORS			
6300-0017	Monitor painted silver from OEM.	1	
6300-0108	Monitor Akron StreamMaster II electric with 5177 nozzle 1250GPM for platform. Includes tip controls, base controls and a butterfly valve. Monitor to have multiple flow ratings based on aerial model and monitor position.	1	
AERIAL WARNING LIGHTS			
6550-0000	Outrigger warning lights (4). Trucklite Model 60015R.	1	
6550-0100-000-4U	Whelen C-Series model C6L Super LED warning lights (4). Color: Red with red lenses. Located down low across front of platform wired to upper level lights.	1	
AERIAL LIGHTING			
6560-0041	Whelen LED model PFBP12C at base (PR).	1	
6560-0163-237	Light Whelen Micro Pioneer model MPPWCS low profile pedestal mount with a white housing with chrome cover. Switched at light head and base console. Location(s): center front of platform.	1	
WATERWAY OPTIONS			
6350-0005	Rear 4" NST waterway inlet for rear mounted aerials. Includes chrome cap.	1	
6350-0012-192	Akron 2.5" valve for platform. Valve to be located at the front of platform next to monitor.	1	
6350-0014	2.5" chrome elbow with 2.5" x 1.5" reducer and 1.5" cap for platform / ladder discharge valve.	1	
6350-0067	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel. Locate next to waterway inlet.	1	
BREATHING AIR			

Salescode	Extended Description	Qty	
BREATHING AIR			
6400-0003	Breathing air platform with (1) 444CF cylinder. Includes low air alarm.	1	
SIGN PLATES			
6750-0004-000-39	Aerial sign plates 12 x 144 (PR). Available on HP78, HP100 and HP100 platform only. Does not include lettering. Color: Job Color.	1	
AERIAL TESTING			
6900-0000	Aerial flow test - 3rd party.	1	
6900-0007	Aerial 2016 NFPA Certification.	1	
GROUND LADDERS			
7800-0010	Alco-Lite PRL-16' roof ladder.	1	
7800-0016	Alco-Lite PEL-24' 2-section extension ladder.	1	
7800-0021	Alco-Lite PEL-28' extension ladder.	1	
7800-0024	Alco-Lite PEL-35' extension ladder.	2	
7800-0032	Alco-Lite FL-10, 10' folding ladder w/safety shoes.	1	
7800-0038	Alco-Lite PRL-20' roof ladder.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0084	All applicable pump/pre-connect application modules are to have a job color finish. Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.	1	
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	
8100-0176-000-17	Paint E-ONE chassis cab - Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0183-000-17	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0354	Paint lift cylinders, extension cylinders and upper turntable steelwork primary job color (does not apply to TT deck).	1	
INTERIOR PAINT			
8150-0011	The interior of the cab to be painted Zolatone gray.	1	

Salescode	Extended Description	Qty	
STRIPING			
8200-0016	White reflective tape on (4) outriggers.	1	
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
GRAPHICS			
8400-0022	Logo E-ONE (PR) on aerial lift cylinder. Logo to be black and white reflective material approx 14" long located midway along outward surface of cylinder.	1	
WARRANTY / STANDARD			
9100-0000	Standard 1 Year Warranty.	1	
9100-0003	Lifetime Frame Stuctural Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0007	20 Year Aerial Device Structural Warranty - Integrity Limited Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0000	Vehicle familiarization aerial (Domestic). 3 days. Use 9300-0315 for additional days.	1	
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0016	Approval Drawings-Standard.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	

ITEM #20
HPS100 Platform
Cyclone II

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
HPS100 Platform
Item #20

Quotation Number: 90681 Rev: 4

Unit Description: AERM-CYC2-SP10

Quote Description: Aerial Rear Mount, Cyclone II, 100 Foot Steel Platform Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0001	Hosebed hoseload allowance on the apparatus shall be 1000 lbs.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3340-1137-12C	Equipment allowance on the apparatus shall be 2500 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
BUMPERS			
1160-0000	Bumper 10" stainless steel.	1	
1160-0008	3/16" Front Bumper Gravel Shield.	1	
1160-0014	20" Front Bumper Gravel Shield Extension.	1	
1160-0020	License plate holder mounted center of front bumper.	1	
FRAME ASSEMBLY			
1250-0014	Frame - Torque box for HP100 platform.	1	
1250-0092	GEOMET coated frame assembly fasteners.	1	
AXLE OPTIONS			
1025-0023	Meritor RT-50-160 rear tandem axle 54,000 lb. capacity.	1	
1025-0028	Koni shock absorbers for front axle - adjustable.	1	
1025-0171	Dana 22I 24,000 lb. front axle.	1	
SUSPENSIONS			
1070-0015	Ridewell Dynalastic rear suspension (40-54K) rated equal to the capacity of the	1	

Salescode	Extended Description	Qty	
SUSPENSIONS			
	axles.		
WHEEL OPTIONS			
1050-0001	Alcoa aluminum wheels for front axle (2).	1	
1050-0005	Alcoa aluminum wheels for rear axles (8).	1	
1050-0007	Front axle wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center cap with E-ONE logo. Note: Center cap will have an inspection port IPO a logo if equipped with Stemco oil seals.	1	
1050-0009	Rear axle (tandem) wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center caps with E-ONE logo. E-ONE custom chassis w/steel wheels will have chrome plated plastic lug covers.	1	
TIRE OPTIONS			
1060-0008	Eight Michelin 12R tires model XZE for rear axles	1	
1060-0046	Two Michelin 425 tires model XFE for front axle.	1	
1060-0113	Intermittent service tire rating.	1	
1060-0119	RWC AirGuard LED tire pressure monitoring valve stem caps (10) for tandem rear axle applications.	1	
BRAKE SYSTEMS			
1100-0006	Parking brake release mounted on the driver's side lower dash.	1	
1100-0008	Brake system air 6X4.	1	
1100-0014	ArvinMeritor 16-1/2" x 7" S-cam brakes with cast brake drums for a tandem rear axle.	1	
1100-0026	G4 Electronic Stability Control (6x4), Includes RSC and ATC. Not available on 6x6 or commercial chassis.	1	
1100-0031	Dana ADB22X 17" disc brakes for front axle.	1	
AIR SYSTEM OPTIONS			
1110-0000-001	Inlet for air system. Location: driver door jamb.	1	
1110-0002	Air dryer Bendix AD-9.	1	
1110-0006	Air lines nylon.	1	
1110-0026	Air horns recessed in bumper (PR).	1	
ENGINES & TRANSMISSIONS			
1200-0017	Push-button transmission shift selector.	1	
1200-0021	TransSynd synthetic transmission fluid for EVS 4000.	1	

Salescode	Extended Description	Qty	
ENGINES & TRANSMISSIONS			
1200-0096	Electronic speed limiting set at 60 MPH.	1	
1200-0317	Eng/Trans Cummins ISX12 500HP with EVS4000 transmission. 2016 EPA Compliant.	1	
SECONDARY BRAKING			
1125-0002	Jacobs engine compression brake.	1	
1125-0023	Transmission to seek second gear when Jacobs engine brake or Telma retarder is engaged. N/A with Trans retarder.	1	
COOLING PACKAGE			
1800-0013	Cooling system for use with Cyclone II X, Typhoon X, and Quest chassis. For use with 2010 - 2017 EPA engines. Includes coolant recovery system.	1	
FUEL SYSTEMS			
1350-0005	Fuel system 65 gallons.	1	
1350-0022	Fuel line hose rubber.	1	
ALTERNATOR			
1700-0019	Alternator Niehoff 360 amp (360 amp SAE/320 NFPA rating). Available only on ISX12 and ISX15.	1	
BATTERIES			
1400-0002	Battery four group 31 1000 CCA.	1	
CHASSIS OPTIONS			
1680-0005	Thermatic fan clutch.	1	
1680-0007	Drivelines 1810. Required on 1550 lb/ft torque or greater engines.	1	
1680-0008	Tow eyes front painted below bumper/cab (PR).	1	
1680-0012	Tow eyes rear frame painted black.	1	
1680-0017	Hot shift PTO.	1	
1680-0188	Aerial hydraulics installed on bottom port of EVS4000/4500 transmission (to allow for flat rear cab floor).	1	
1680-0250-M58	Diesel Exhaust Fluid (DEF) 5 gallon tank for 2013 / 2016 EPA engines. Location: left side below rear of cab.	1	
1680-0284	Radiator mounted power steering cooler.	1	
CAB MODEL			
1520-0008	Cyclone II X medium cab with 58" CA	1	

Salescode	Extended Description	Qty	
CAB ROOF TYPE			
1615-0004	Cab roof to be "flat" with trough for waterway. Required with HM100 (with waterway), HP100 (all), CR100/92 Pltfm (SdStckr and W/O/P) or HP/HPS100 Pltfrm (all).	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
CAB DOOR OPTIONS			
1550-0003	Rear crew cab doors in the medium position.	1	
1550-0005	Driver and officer cab door windows. Include forward vent windows.	1	
1550-0011	Rear crew cab door windows. Includes manual roll-down actuation. Not available on Typhoon or CII with paddle style door latching.	1	
1550-0016	Cab door panels ABS.	1	
1550-0025	All cab doors shall have "L" style exterior latches.	1	
1550-0027	Front cab door windows to have manual actuation.	1	
1550-0038-659	(4) LED cab step area lighting. Locate each light on each cab door in the inboard position. Lights to be switched with door ajar.	1	
1550-0044	All cab door kick plates to be made from diamond plate aluminum.	1	
1550-0059-000-G6	Reflective Red/Lemon Yellow printed striping positioned in the "A" formation located on the cab door panels.	1	
1550-0077	Interior cab door locks - manual. Will have manual actuation from each respective door. Includes barrel style key lock on each exterior cab door.	1	
1550-0083	All cab exterior access doors to have CH751 keyed locks.	1	
MIRRORS			
1670-0003	Velvac 2010 mirrors. Door mounted west coast style with remote control and heat.	1	
MISC EXTERIOR CAB OPTIONS			
1550-0020	Windows cab side fixed driver's side.	1	
1550-0033	Windows cab side fixed officer's side.	1	
1675-0022	Pair of 18" handrails located just behind driver and officer front door one each side.	1	
1675-0023	Pair of 18" handrails located just behind driver and officer rear door (ALS doors if equipped) one each side.	1	
1675-0030	Mud flaps, front, black with E-ONE logo.	1	
1675-0047	Rear cab wall to be 3/16" aluminum diamond plate.	1	

Salescode	Extended Description	Qty	
MISC EXTERIOR CAB OPTIONS			
1675-0201	Large radius cab wheel well. Includes bolt-on adjustable wheel well trim.	1	
1675-0202	Mounting plate for battery charger receptacle, indicator, air inlet, etc (if applicable). Plate to be removable brushed stainless steel.	1	
HVAC			
1515-0018	Air conditioning for the Typhoon X, CII X and Quest with roof top mounted condenser.	1	
1515-0053	Controls for heating and air conditioning shall be located in the center dash area. (Lower area on Typhoon and CII with severe duty dash)	1	
SEATS			
1510-0003	Seats, Inc. brand 911 cab seats.	1	
1510-0007	Seat cover material vinyl.	1	
1510-0008	Seat color gray.	1	
1510-0035-147	Universal air pack bottle bracket (EA). Location: officer's seat.	1	
1510-0035-148	Universal air pack bottle bracket (EA). Location: rear facing driver's side.	1	
1510-0035-151	Universal air pack bottle bracket (EA). Location: inboard driver's side rear wall.	1	
1510-0035-152	Universal air pack bottle bracket (EA). Location: inboard officer's side rear wall.	1	
1510-0035-215	Universal air pack bottle bracket (EA). Location: rear facing officer's side.	1	
1510-0038	Driver seat 911 air ride.	1	
1510-0042	Officer seat to be 911 fixed SCBA.	1	
1510-0050	Rear facing 911 seat with SCBA driver's side.	1	
1510-0053	Rear facing 911 seat with SCBA officer's side.	1	
1510-0062	Two man bench centered on rear wall with 911 SCBA backs. Includes angled corners.	1	
1685-0033	Seating capacity tag of six occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0000	Cab interior gray. Does not include engine cover or seat color.	1	
1685-0006	Padded sun visors, driver and officer's side overhead.	1	
1685-0168	ABS Dash package. Includes center and officer side dash, lower kick panels and "A" post covers.	1	
1685-0187	Severe duty engine cover, molded polyurethane.	1	
1685-0496	ABS overhead console. Includes front full width overhead, air conditioning plenum and rear facing blower.	1	

Salescode	Extended Description	Qty	
MISC INTERIOR CAB OPTIONS			
1685-0532	Stepped profile rear engine cover.	1	
CAB ELECTRICAL OPTIONS			
1750-0024-179-04	Auto-Eject receptacle inlet 20 amp located outside driver's door next to handrail with a Yellow cover.	1	
1750-0046-195	Cab Headlights. Position: lower.	1	
1750-0072-592	12 VDC (or 24VDC) electrical outlet wired battery hot. Location: driver side dash.	1	
1750-0075	English dominant main cab gauge cluster.	1	
1750-0158	Dome Lts Red/White LED. Package includes two lights mounted in the front and two mounted in the rear of the cab. White light wired through door and light assembly switch. Red light through light assembly switch.	1	
1750-0198-A31	Battery charger to be located behind driver's seat.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
1750-0435	Halogen cab headlights. TyphoonX, CIIX and QST2 only.	1	
1750-0449	Momentary DPF regeneration override switch.	1	
1750-0651-172	Turn signal Whelen C-Series model C6T LED amber arrow pair located upper headlight bezel.	1	
BODY SPEC			
3090-0000	Body Specs - SideStacker aerial with tandem axle. Includes left rear staircase with pocket style drop down step.	1	
BODY COMPT REAR			
3110-0360	Rear of body to have un-painted smooth plate overlay style body panels to facilitate rear body striping.	1	
AERIAL BODY OPTIONS			
3310-0032	Recessed tubes for (6) pike poles. Not available on HP75 SideStacker.	1	
3310-0051	Crosslay double to hold up to 200' of 2.0" DJ (each). Includes storage pan to rear of crosslays (if applicable).	1	
3310-0069	Rear ladder tunnel doors. Vertically hinged smooth plate to match rear body finish.	1	
3310-0072	Compartments driver side HP100 Platform SideStacker with 300g tank. Includes rescue style extended height compartments. The door on small compts next to rear outrigger to match wheelwell.	1	
3310-0073	Compartments officer side HP100 Platform SideStacker with 300g tank. Includes rescue style extended height compartments ahead of wheel well with extended	1	

Salescode	Extended Description	Qty	
AERIAL BODY OPTIONS			
	hosebed.		
3310-0075	Upper dunnage area extension 34 x 58 diamond plate.	1	
3310-0162	Jack leg opening covers diamond plate (4) sets. Includes diamond plate outrigger covers and fixed diamond plate filler panels. HM100/110 requires surface mount warning lights.	1	
3310-0310	Auxiliary jack pad 26X26 (4) with 20 degree formed handle. Includes (2) double mounting brackets.	1	
DOORS			
3300-0007-017	Door single vertical hinged painted. Location(s): R3	1	
3300-0007-018	Door single vertical hinged painted. Location(s): R4	1	
3300-0007-019	Door single vertical hinged painted. Location(s): R5	1	
3300-0011-005	Door single horizontal hinged lift-up box pan configuration painted. Location(s): L3	1	
3300-0011-006	Door single horizontal hinged lift-up box pan configuration painted. Location(s): L4	1	
3300-0017-007	Door roll up short (up to 45") with satin finish ROM. Location(s): L5.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-004	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L2.	1	
3300-0019-015	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R1.	1	
3300-0019-016	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R2.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0055	Officer side upper pump access panel to be horizontal hinged with stainless steel door. Includes (2) push button latches and (2) hold open devices.	1	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	
WATER TANK			
4010-0195	300 gallon "T" water tank. UPF Poly III blue fill tower.	1	

Salescode	Extended Description	Qty	
TANK PLUMBING			
4450-0010	2" tank fill Akron manual valve.	1	
4450-0022	3" tank to pump Akron manual valve.	1	
LADDER STORAGE / RACKS			
3365-0076-Q04	Center mounted ladder tunnel for HP100 and HPS100 Platforms. Note: 1" aerial raise required with 30' and larger 3-section ladder in tunnel. Rack to hold: (2)PEL-35, PEL-28, PEL-24, PRL-20, PRL-16 and FL-10 (with rubber block feet and no handles).	1	
HANDRAILS / STEPS			
3330-0002-050	Slide-out platform, rollerless. Includes chrome grab handle centered on the front face of the platform (includes hand rail as applicable). Located below driver side pump panel.	1	
MISC BODY OPTIONS			
3340-0058	Recessed fuel fill driver side wheel well.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0107	Diamond plate tandem axle wheel well. Includes bolt-on composite wheel well liners and fenderettes.	1	
3340-0270	The painted aerial body side panels shall be smooth / flush. Applies to SideStacker HB side, panels next to water tank on MM, and upper body sides on RLP.	1	
PUMPS			
4005-0031	Rating 1500 GPM.	1	
4005-0196	Hale QMAX 1000-2250 GPM single stage pump. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PUMP OPTIONS			
4015-0038	Pump seal packing for Hale pump.	1	
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1	
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1	
4015-0073	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location below running board on driver side (or area directly to rear of panel if no room below panel).	1	
4015-0210	Pump cooler with Innovative Control 1/4 turn valve with "T" handle and label.	1	

Salescode	Extended Description	Qty	
PUMP OPTIONS			
4015-0238	Hale electric primer (oil-less).	1	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0014-581	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 1.	1	
4415-0014-582	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 2.	1	
4415-0016-583	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 1.	1	
4415-0016-584	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 2.	1	
4415-0994	4" waterway discharge with 4" Akron electric valve with 9323 controller.	1	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	7	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
PRESSURE GOVERNORS			
4465-0011	Class 1 TPG pressure governor. Includes, water, oil, volt and tachometer.	1	
GAUGES			
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	7	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			
5010-0039	V-MUX Electrical system for aerials.	1	

Salescode	Extended Description	Qty	
ELECTRICAL SYSTEMS			
5010-0049	Vehicle data recorder - 2009 / 2016 NFPA compliant. Includes occupant detection shown in multiplex display. E-ONE chassis only.	1	
5010-0055-649	Vista IV display for V-MUX electrical system. Location: driver's side engine cover.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0506-000-4V	Front light bar LED color: Red/White with clear lenses (If applicable, includes side facing when colors are the same.)	1	
5300-0515	Whelen MKEZ7 1.5" standard mount for mini front light bars (4).	1	
5300-0523	Whelen F4 Mini-Freedom LED side facing front cab light bars (PR) 21.5" . For use on rear mount platforms with supplemental upper level Zone A warning lights. Locate one each side front cab corners side facing.	1	
WARNING LIGHT PACKAGES			
5550-0484-538-4U	Whelen Super LED lower level warning light package. Includes (8) C-Series model C6L light heads and (2) ION-T Series model TLI light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, in rear wheel well offset to front, and side facing at rear of body in rubrail if equipped. Note: ION-T Series light only available with clear lenses.	1	
WARNING LIGHTS			
5600-0078-290-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location above L2/R2 compartments offset rearward to supplement upper rear warnings.	1	
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0015	Whelen model 295SLSA1 siren with microphone (replaced 295HFSA1).	1	
5500-0024-170	The primary electronic siren control is to be located center overhead.	1	
SPEAKERS			
5510-0049-209	Whelen SP123BMC electronic siren speaker recessed in front bumper. Location: driver side front bumper.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0028	Marker light LED body/cab package. E-ONE custom cab with rear mount aerial	1	

Salescode	Extended Description	Qty	
DOT LIGHTING			
	platform bodies only. Includes (3) marker lights on front of platform.		
5150-0032	Bracket license plate at rear of body.	1	
5150-0216	Whelen C6 series LED horizontal mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with horizontally mount with individual bezels and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0010	Compartment light package incandescent for large bodies.	1	
5380-0033	Step light package body - small.	1	
5380-0280	Ground light package TecNiq T440 4" LED - large.	1	
5380-0325	EON LED ladder tunnel light (EA).	2	
LIGHTS - DECK AND SCENE			
5390-0000-444	Deck light - Unity 12 volt (PR). Location: (1) each side over rear ladder tunnel.	1	
5390-0001	Hose bed light Unity. Locate at front area of hose bed. Switched with work light switch in cab.	1	
5390-0005	Crosslay light deck Unity. Locate to rear of crosslay (SM) or forward of crosslay (TM).	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0010	Incandescent pump compartment light (EA).	1	
5400-0259	TecNiq model E10 pump panel LED light package with (3) lights per side pump panel. Pump panels over 45" may require additional lights. Side mount only.	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
5100-0000-199	Foot switch to control air horns located officer's side.	1	
5100-0165	Audible door ajar alarm wired through door ajar light. For use with V-Mux Display only.	1	
CAMERAS / INTERCOM			
5350-0156	FRC ACT 2-way aerial intercom.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
AERIAL MODEL			

Salescode	Extended Description	Qty	
AERIAL MODEL			
6100-0073	Platform HPS100 with SideStacker T/T. Includes left side console, turntable mansaver bars and jack leg flood lights.	1	
AERIAL HYDRAULIC SYSTEM OPTIONS			
6150-0003-216	Gauge aerial hydraulic oil level. Electronic display to be located on pump operator's panel.	1	
AERIAL CONTROLS			
6850-0037	Advanced Aerial Control System - Platform. Includes body protection, cradle alignment lt and 3.2" displays with flowmeter at each control console.	1	
6850-0043	Diamond plate turntable console mounted to tube style pedestal mount. Includes side hinged diamond plate cover with hinge on outboard side. Includes modified left side turntable handrail. (95-platform and HP/HPS100 Platform only)	1	
6850-0069	Platform leveling system to allow adjustment of platform pivot angle from cab. Includes switch with multi-color light accessible by driver to indicate platform is in alignment with ladder.	1	
MONITORS			
6300-0017	Monitor painted silver from OEM.	1	
6300-0108	Monitor Akron StreamMaster II electric with 5177 nozzle 1250GPM for platform. Includes tip controls, base controls and a butterfly valve. Monitor to have multiple flow ratings based on aerial model and monitor position.	1	
AERIAL WARNING LIGHTS			
6550-0000	Outrigger warning lights (4). Trucklite Model 60015R.	1	
6550-0100-000-4U	Whelen C-Series model C6L Super LED warning lights (4). Color: Red with red lenses. Located down low across front of platform wired to upper level lights.	1	
AERIAL LIGHTING			
6560-0004-237	Collins light FX-12 located center front of platform.	1	
6560-0006	Collins light FX-12 at base (PR).	1	
WATERWAY OPTIONS			
6350-0005	Rear 4" NST waterway inlet for rear mounted aerials. Includes chrome cap.	1	
6350-0012-192	Akron 2.5" valve for platform. Valve to be located at the front of platform next to monitor.	1	
6350-0014	2.5" chrome elbow with 2.5" x 1.5" reducer and 1.5" cap for platform / ladder discharge valve.	1	
6350-0067	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color	1	

Salescode	Extended Description	Qty	
WATERWAY OPTIONS			
	code bezel. Locate next to waterway inlet.		
BREATHING AIR			
6400-0003	Breathing air platform with (1) 444CF cylinder. Includes low air alarm.	1	
SIGN PLATES			
6750-0004-000-39	Aerial sign plates 12 x 144 (PR). Available on HP78, HP100 and HP100 platform only. Does not include lettering. Color: Job Color.	1	
AERIAL TESTING			
6900-0000	Aerial flow test - 3rd party.	1	
6900-0007	Aerial 2016 NFPA Certification.	1	
ELBOWS			
7400-0005	Chrome discharge elbow 2.5", 45 degree.	4	
GROUND LADDERS			
7800-0010	Alco-Lite PRL-16' roof ladder.	1	
7800-0016	Alco-Lite PEL-24' 2-section extension ladder.	1	
7800-0021	Alco-Lite PEL-28' extension ladder.	1	
7800-0024	Alco-Lite PEL-35' extension ladder.	2	
7800-0032	Alco-Lite FL-10, 10' folding ladder w/safety shoes.	1	
7800-0038	Alco-Lite PRL-20' roof ladder.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0084	All applicable pump/pre-connect application modules are to have a job color finish. Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color.	1	
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	
8100-0176-000-17	Paint E-ONE chassis cab - Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0183-000-17	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	

Salescode	Extended Description	Qty	
EXTERIOR PAINT			
8100-0354	Paint lift cylinders, extension cylinders and upper turntable steelwork primary job color (does not apply to TT deck).	1	
8100-0484-000-18	Paint aerial ladder (Sikkens). Steel aerials only. Color: FLNA4006 White.	1	
INTERIOR PAINT			
8150-0011	The interior of the cab to be painted Zolatone gray.	1	
STRIPING			
8200-0016	White reflective tape on (4) outriggers.	1	
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
GRAPHICS			
8400-0022	Logo E-ONE (PR) on aerial lift cylinder. Logo to be black and white reflective material approx 14" long located midway along outward surface of cylinder.	1	
WARRANTY / STANDARD			
9100-0000	Standard 1 Year Warranty.	1	
9100-0003	Lifetime Frame Stuctural Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0007	20 Year Aerial Device Structural Warranty - Integrity Limited Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
9100-0079	5 Year Limited Aerial Paint and Perforation Warranty - For Sikkens Paint.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0000	Vehicle familiarization aerial (Domestic). 3 days. Use 9300-0315 for additional days.	1	
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0016	Approval Drawings-Standard.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	

Salescode	Extended Description	Qty	

ITEM #21
Bronto RLP 116+
Cyclone II

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Bronto RLP 116 Platform

Quotation Number: 90755 Rev: 6

Unit Description: AERM-CYC2-ARTP

Quote Description: Aerial Rear Mount, Cyclone II, Bronto Platform Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0001	Hosebed hoseload allowance on the apparatus shall be 1000 lbs.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3340-1137-12C	Equipment allowance on the apparatus shall be 2500 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
BUMPERS			
1160-0000	Bumper 10" stainless steel.	1	
1160-0008	3/16" Front Bumper Gravel Shield.	1	
1160-0014	20" Front Bumper Gravel Shield Extension.	1	
FRAME ASSEMBLY			
1250-0080	Frame assembly with 10.25 x 3.5 x .375 powder coated galvanized rails.	1	
1250-0083	Frame liner 9.375 x 3.125 x .375, galvanized and powder coated.	1	
1250-0092	GEOMET coated frame assembly fasteners.	1	
AXLE OPTIONS			
1025-0013	Meritor FL-943 front axle 21,500 lbs.	1	
1025-0028	Koni shock absorbers for front axle - adjustable.	1	
1025-0038	Meritor RT-58-185 rear tandem axle 62,000 lb. capacity.	1	
SUSPENSIONS			
1070-0011	Ridewell Dynalastic 62,000 lb rear suspension. C-Frame applications only.	1	

Salescode	Extended Description	Qty	
WHEEL OPTIONS			
1050-0007	Front axle wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center cap with E-ONE logo. Note: Center cap will have an inspection port IPO a logo if equipped with Stemco oil seals.	1	
1050-0009	Rear axle (tandem) wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center caps with E-ONE logo. E-ONE custom chassis w/steel wheels will have chrome plated plastic lug covers.	1	
1050-0044	Accuride aluminum wheels for front axle (2).	1	
1050-0046	Accuride aluminum wheels for rear axles (8).	1	
TIRE OPTIONS			
1060-0009	Eight Michelin 315 tires model XZA-1 for rear axles.	1	
1060-0046	Two Michelin 425 tires model XFE for front axle.	1	
1060-0119	RWC AirGuard LED tire pressure monitoring valve stem caps (10) for tandem rear axle applications.	1	
BRAKE SYSTEMS			
1100-0000	16-1/2" x 6" S-cam brakes with ArvinMeritor automatic slack adjusters for front axle.	1	
1100-0006	Parking brake release mounted on the driver's side lower dash.	1	
1100-0008	Brake system air 6X4.	1	
1100-0014	ArvinMeritor 16-1/2" x 7" S-cam brakes with cast brake drums for a tandem rear axle.	1	
1100-0026	G4 Electronic Stability Control (6x4), Includes RSC and ATC. Not available on 6x6 or commercial chassis.	1	
AIR SYSTEM OPTIONS			
1110-0000-001	Inlet for air system. Location: driver door jamb.	1	
1110-0002	Air dryer Bendix AD-9.	1	
1110-0006	Air lines nylon.	1	
1110-0041	Air horns Grover recessed in bumper (PR).	1	
ENGINES & TRANSMISSIONS			
1200-0017	Push-button transmission shift selector.	1	
1200-0021	TransSynd synthetic transmission fluid for EVS 4000.	1	
1200-0096	Electronic speed limiting set at 60 MPH.	1	
1200-0317	Eng/Trans Cummins ISX12 500HP with EVS4000 transmission. 2016 EPA Compliant.	1	

Salescode	Extended Description	Qty	
SECONDARY BRAKING			
1125-0002	Jacobs engine compression brake.	1	
1125-0023	Transmission to seek second gear when Jacobs engine brake or Telma retarder is engaged. N/A with Trans retarder.	1	
COOLING PACKAGE			
1800-0013	Cooling system for use with Cyclone II X, Typhoon X, and Quest chassis. For use with 2010 - 2017 EPA engines. Includes coolant recovery system.	1	
FUEL SYSTEMS			
1350-0005	Fuel system 65 gallons.	1	
1350-0022	Fuel line hose rubber.	1	
ALTERNATOR			
1700-0005	Alternator Leece Neville 320 amp. 320 amp SAE/272 amp NFPA.	1	
BATTERIES			
1400-0032	Battery five group 31 1000 CCA (two left / three right). For use with below cab DEF tank only.	1	
CHASSIS OPTIONS			
1680-0005	Thermatic fan clutch.	1	
1680-0007	Drivelines 1810. Required on 1550 lb/ft torque or greater engines.	1	
1680-0011	Tow eyes rear below body, painted.	1	
1680-0017	Hot shift PTO.	1	
1680-0042	Tow hooks front painted in the down position.	1	
1680-0250-M58	Diesel Exhaust Fluid (DEF) 5 gallon tank for 2013 / 2016 EPA engines. Location: left side below rear of cab.	1	
1680-0284	Radiator mounted power steering cooler.	1	
CAB MODEL			
1520-0008	Cyclone II X medium cab with 58" CA	1	
CAB ROOF TYPE			
1615-0010	Cab roof to be "flat" (non-vista).	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
CAB DOOR OPTIONS			

Salescode	Extended Description	Qty	
CAB DOOR OPTIONS			
1550-0003	Rear crew cab doors in the medium position.	1	
1550-0005	Driver and officer cab door windows. Include forward vent windows.	1	
1550-0011	Rear crew cab door windows. Includes manual roll-down actuation. Not available on Typhoon or CII with paddle style door latching.	1	
1550-0016	Cab door panels ABS.	1	
1550-0025	All cab doors shall have "L" style exterior latches.	1	
1550-0027	Front cab door windows to have manual actuation.	1	
1550-0044	All cab door kick plates to be made from diamond plate aluminum.	1	
1550-0059-000-G6	Reflective Red/Lemon Yellow printed striping positioned in the "A" formation located on the cab door panels.	1	
1550-0077	Interior cab door locks - manual. Will have manual actuation from each respective door. Includes barrel style key lock on each exterior cab door.	1	
1550-0084	All cab exterior access doors to have 1250 keyed locks.	1	
1550-0186-659	(4) TecNiq T440 4" LED cab step area lighting. Locate each light on each cab door in the inboard position. Lights to be switched with door ajar.	1	
MIRRORS			
1670-0003	Velvac 2010 mirrors. Door mounted west coast style with remote control and heat.	1	
MISC EXTERIOR CAB OPTIONS			
1550-0020	Windows cab side fixed driver's side.	1	
1550-0033	Windows cab side fixed officer's side.	1	
1675-0022	Pair of 18" handrails located just behind driver and officer front door one each side.	1	
1675-0030	Mud flaps, front, black with E-ONE logo.	1	
1675-0047	Rear cab wall to be 3/16" aluminum diamond plate.	1	
1675-0201	Large radius cab wheel well. Includes bolt-on adjustable wheel well trim.	1	
1675-0202	Mounting plate for battery charger receptacle, indicator, air inlet, etc (if applicable). Plate to be removable brushed stainless steel.	1	
HVAC			
1515-0018	Air conditioning for the Typhoon X, CII X and Quest with roof top mounted condenser.	1	
1515-0053	Controls for heating and air conditioning shall be located in the center dash area. (Lower area on Typhoon and CII with severe duty dash)	1	

Salescode	Extended Description	Qty	
SEATS			
1510-0003	Seats, Inc. brand 911 cab seats.	1	
1510-0008	Seat color gray.	1	
1510-0038	Driver seat 911 air ride.	1	
1510-0042	Officer seat to be 911 fixed SCBA.	1	
1510-0050	Rear facing 911 seat with SCBA driver's side.	1	
1510-0053	Rear facing 911 seat with SCBA officer's side.	1	
1510-0062	Two man bench centered on rear wall with 911 SCBA backs. Includes angled corners.	1	
1510-0234	Seat cover material Turnout Tuff.	1	
1685-0033	Seating capacity tag of six occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0000	Cab interior gray. Does not include engine cover or seat color.	1	
1685-0005	Lexan sun visors, driver and officer's side overhead.	1	
1685-0168	ABS Dash package. Includes center and officer side dash, lower kick panels and "A" post covers.	1	
1685-0187	Severe duty engine cover, molded polyurethane.	1	
1685-0496	ABS overhead console. Includes front full width overhead, air conditioning plenum and rear facing blower.	1	
1685-0532	Stepped profile rear engine cover.	1	
CAB ELECTRICAL OPTIONS			
1750-0046-195	Cab Headlights. Position: lower.	1	
1750-0059-179-04	Receptacle inlet 20 amp with a Yellow cover. Location: outside driver's door next to handrail.	1	
1750-0075	English dominant main cab gauge cluster.	1	
1750-0158	Dome Lts Red/White LED. Package includes two lights mounted in the front and two mounted in the rear of the cab. White light wired through door and light assembly switch. Red light through light assembly switch.	1	
1750-0198-A31	Battery charger to be located behind driver's seat.	1	
1750-0344	Battery charger E-ONE LPC 40. 120 volt inlet, 40 amp output.	1	
1750-0435	Halogen cab headlights. TyphoonX, CIIX and QST2 only.	1	
1750-0449	Momentary DPF regeneration override switch.	1	
1750-0651-172	Turn signal Whelen C-Series model C6T LED amber arrow pair located upper	1	

Salescode	Extended Description	Qty	
CAB ELECTRICAL OPTIONS			
	headlight bezel.		
BODY MODEL			
3080-0002	Body aerial Bronto RLP. Includes full length hosebed and pocket style flop down steps at each staircase. The doors on compts next to fwd outriggers to match the outrigger covers. The doors on small compts over forward tandem wheel to match wheelwell. The doors at rear of body on the lower aerial control panel compt to match rear body finish.	1	
BODY COMPT REAR			
3110-0360	Rear of body to have un-painted smooth plate overlay style body panels to facilitate rear body striping.	1	
AERIAL BODY OPTIONS			
3310-0030	Crosslay with cord reel compartment RLP. Includes (2) 1.5" single stacked x-lays for 200' - 1.75" DJ each, (1) 2.5" single stacked x-lay for 200' - 2.5" DJ (all 5.5" wide less plumbing with 2.5"to rear), x-lay rollers on each end and cord reel comparments located each side ahead of x-lays w/lift-up diamond plate door.	1	
3310-0032	Recessed tubes for (6) pike poles. Not available on HP75 SideStacker.	1	
3310-0063	Jack leg covers diamond plate. Includes (4) diamond plate extension covers and (4) diamond plate fixed covers. Access doors on covers to match the outrigger covers.	1	
3310-0070	Rear ladder tunnel door. Lift-up door to open 20 degrees past horizontal (degrees may be reduced due to other options). Door will match rear body finish.	1	
3310-0312	Auxiliary jack pad 28X28 (4) with 20 degree formed handle. Includes (2) double mounting brackets.	1	
DOORS			
3300-0007-008	Door single vertical hinged painted. Location(s): L6	1	
3300-0007-017	Door single vertical hinged painted. Location(s): R3	1	
3300-0007-022	Door single vertical hinged painted. Location(s): R8	1	
3300-0007-023	Door single vertical hinged painted. Location(s): R9	1	
3300-0011-016	Door single horizontal hinged lift-up box pan configuration painted. Location(s): R2	1	
3300-0289-005	Door double vertical hinged w/rotary latches - painted . Location(s): L3 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-006	Door double vertical hinged w/rotary latches - painted . Location(s): L4 Includes	1	

Salescode	Extended Description	Qty	
DOORS			
	latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.		
3300-0289-019	Door double vertical hinged w/rotary latches - painted . Location(s): R5 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-020	Door double vertical hinged w/rotary latches - painted . Location(s): R6 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0292-007	Door double 3-point vertical hinged w/rotary latches - painted. Location(s): L5. Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0292-021	Door double 3-point vertical hinged w/rotary latches - painted. Location(s): R7. Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0039	The gauge panel on the driver side pump panel is to be hinged upward. Includes two spring type hold opens, two trigger latches, and a recessed handle.	1	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	
WATER TANK			
4010-0195	300 gallon "T" water tank. UPF Poly III blue fill tower.	1	
LADDER STORAGE / RACKS			
3365-0038-604	Center mounted ladder tunnel. Ladder rack to hold: PEL3-40, PEL-24, PRL-16, AEL-12 and FL-10	1	
HANDRAILS / STEPS			
3330-0005	Slideout platform-rollerless low profile style located below driver side pump panel. RLP only.	1	
3330-0102	Handrail 18" (PR) located one each side at front of body for use when entering or exiting rear cab doors.	1	

Salescode	Extended Description	Qty	
MISC BODY OPTIONS			
3340-0058	Recessed fuel fill driver side wheel well.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0107	Diamond plate tandem axle wheel well. Includes bolt-on composite wheel well liners and fenderettes.	1	
3340-0270	The painted aerial body side panels shall be smooth / flush. Applies to SideStacker HB side, panels next to water tank on MM, and upper body sides on RLP.	1	
3340-0282-0QK	Cab tilt switch and manual jack to be located: officer side behind door in forward fixed outrigger cover.	1	
PUMPS			
4005-0033	Rating 2000 GPM	1	
4005-0207	Hale 8FG pump 1500-2000 GPM for Bronto RLP. Requires primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	
PLUMBING KITS			
4410-0013	Plumbing Package "A" RLP. Includes intake and discharge manifolds, 6" intake valves, 2.5" left intake, 2.5" left discharge w/ integral droop, 2.5" right discharge w/ integral droop, 4" right discharge, 4" waterway discharge, (2) 1.5" crosslays, 2.5" crosslay, 1.5" tank fill w/ 2" valve and 3" tank to pump.	1	
PUMP OPTIONS			
4015-0073	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location below running board on driver side (or area directly to rear of panel if no room below panel).	1	
4015-0210	Pump cooler with Innovative Control 1/4 turn valve with "T" handle and label.	1	
4015-0243	Hale electric primer - dual (oil-less).	1	
DISCHARGE OPTIONS			
4417-0177	Innovative Controls 3/4" bleeder/drain valve include 1/4 turn T-handle.	7	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
PRESSURE GOVERNORS			
4465-0011	Class 1 TPG pressure governor. Includes, water, oil, volt and tachometer.	1	
GAUGES			

Salescode	Extended Description	Qty	
GAUGES			
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	7	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			
5010-0039	V-MUX Electrical system for aerials.	1	
5010-0049	Vehicle data recorder - 2009 / 2016 NFPA compliant. Includes occupant detection shown in multiplex display. E-ONE chassis only.	1	
5010-0055-649	Vista IV display for V-MUX electrical system. Location: driver's side engine cover.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0506-000-4V	Front light bar LED color: Red/White with clear lenses (If applicable, includes side facing when colors are the same.)	1	
5300-0514	Whelen MK9S short slide bolt bracket mount for mini front light bars (4).	1	
5300-0524-034	Whelen F4 Mini-Freedom LED light bars (PR) 21.5" with 5 LEDs in each bar. Location: front cab corners.	1	
WARNING LIGHT PACKAGES			
5550-0483-539-4U	Whelen C-Series model C6L Super LED lower level warning light package. Includes (10) light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, in rear wheelwell offset to front, and on rear fixed outrigger cover.	1	
WARNING LIGHTS			
5600-0078-286-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location each side at upper rear of body on aerial style brackets, bottom of light even with top of body.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0015	Whelen model 295SLSA1 siren with microphone (replaced 295HFSA1).	1	
5500-0024-170	The primary electronic siren control is to be located center overhead.	1	
SPEAKERS			
5510-0029-209	Speaker, Federal Signal Dynamax ES100 with "E-ONE" grille through bumper.	1	

Salescode	Extended Description	Qty	
SPEAKERS			
	Location: driver side front bumper.		
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0026	Marker light LED body/cab package. E-ONE custom cab with aerial ladder, Mid-Mount platform or Bronto bodies only.	1	
5150-0032	Bracket license plate at rear of body.	1	
5150-0216	Whelen C6 series LED horizontal mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with horizontally mount with individual bezels and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0151	Step light 2" LED recessed. (4) step lights installed at the rear turntable access walkway. Bronto only.	1	
5380-0275	Step light package 2" LED - small.	1	
5380-0278	Compartment light package TecNiq T440 4" LED for large bodies.	1	
5380-0280	Ground light package TecNiq T440 4" LED - large.	1	
5380-0325	EON LED ladder tunnel light (EA).	2	
LIGHTS - DECK AND SCENE			
5390-0215-457	Deck Lights - Optronics Model TLL44 (PR). Location: (1) each side of body rear facing up high.	1	
5390-0216	Hose bed light Optronics LED model TLL44 Locate at front of hose bed. Switched with work light switch in cab.	1	
5390-0217	Crosslay light Optronics LED model TLL44. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0011	LED pump compartment light (EA).	1	
5400-0263	TecNiq model E10 pump panel light LED package - RLP/MM. Includes (2) lights per side pump panel and (2) lights for angled upper control panel.	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
5100-0000-199	Foot switch to control air horns located officer's side.	1	
5100-0165	Audible door ajar alarm wired through door ajar light. For use with V-Mux Display only.	1	

Salescode	Extended Description	Qty	
CAMERAS / INTERCOM			
5350-0244	FRC ACT 3-way aerial intercom to provide communications between the turntable control station, the aerial tip and [#LOC].	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
AERIAL MODEL			
6100-0110	Platform Bronto F116 RLP+. Includes 5+ controls, variable jacking, hyd oil cooler and water flow and pressure and floor temp in displays. Requires ultrasonic collision guard option, artic oil for units operating in sub zero conditions and tropical oil for units operating in dry desert conditions.	1	
AERIAL HYDRAULIC SYSTEM OPTIONS			
6150-0003-665	Gauge aerial hydraulic oil level. Electronic display to be located back wall of platform access step area.	1	
MONITORS			
6300-0017	Monitor painted silver from OEM.	1	
6300-0127	Monitor Akron StreamMaster II electric with 5178 nozzle 1500GPM. Includes 24v motors, tip controls, base controls, auto stow and a butterfly valve. Sidesweep is 45 degrees left and right. Bronto RLP+ only.	1	
AERIAL WARNING LIGHTS			
6550-0002	Outrigger warning lights (4) LED. Truck-Lite model 91R.	1	
AERIAL LIGHTING			
6560-0041	Whelen LED model PFBP12C at base (PR).	1	
6560-0100	Whelen LED model PFBP12C at jib boom (PR) RLP/HDT.	1	
6560-0163-238	Light Whelen Micro Pioneer model MPPWCS low profile pedestal mount with a white housing with chrome cover. Switched at light head and base console. Location(s): left side of platform offset forward.	1	
6560-0228	Outrigger flood light (4) RLP/HDT. TecNiq LED model P04-WBFP-1.	1	
WATERWAY OPTIONS			
6350-0003	Waterway drain for RLP/HDT/Snozzle.	1	
6350-0004	Relief valve Hale P30 for RLP/HDT aerial waterway.	1	
6350-0005	Rear 4" NST waterway inlet for rear mounted aerials. Includes chrome cap.	1	
6350-0067	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel. Locate next to waterway inlet.	1	

Salescode	Extended Description	Qty	
MISC AERIAL ELECTRICAL			
6570-0001	Outrigger alarm RLP/HDT. Preco with warble tone.	1	
BREATHING AIR			
6400-0000	Breathing air platform with (2) 300CF cylinders. Includes low air alarm.	1	
BRONTO OPTIONS			
6700-0000	Swirled plate heat shields on sides and bottom of Bronto platform.	1	
6700-0002	Chassis mounting for RLP. Includes hydraulic pumps.	1	
6700-0034	Ultrasonic collision guard sensors (4) below platform for RLP+. Bronto supplied and installed.	1	
6700-0036	Handrail 18" (PR) located exterior mounted one each side of left side platform door. Bronto only.	1	
AERIAL TESTING			
6900-0000	Aerial flow test - 3rd party.	1	
6900-0007	Aerial 2016 NFPA Certification.	1	
GROUND LADDERS			
7800-0002	Alco-Lite FL-10, 10' folding ladder without shoes.	1	
7800-0010	Alco-Lite PRL-16' roof ladder.	1	
7800-0013	Alco-Lite AEL-12 Attic Extension Ladder	1	
7800-0016	Alco-Lite PEL-24' 2-section extension ladder.	1	
7800-0055	Alco-Lite PEL3-40 Extension Ladder w/o stay poles.	1	
MISC LOOSE EQUIPMENT			
7900-0006	Ship Loose Kit RLP/HDT - Bronto Supplied. Includes manuals (one printed and one CD sent to customer, one CD sent to tech support), elect panel key, torque tool, grease hose, hyd adapters and manual crank.	1	
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	
8100-0176-000-R5	Paint E-ONE chassis cab - Sikkens paint. Color: FLNA3225 Red (Sikkens published).	1	
8100-0183-000-R5	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225 Red (Sikkens published).	1	

Salescode	Extended Description	Qty	
INTERIOR PAINT			
8150-0011	The interior of the cab to be painted Zolatone gray.	1	
STRIPING			
8200-0016	White reflective tape on (4) outriggers.	1	
8300-0010	Reflective red/white striping each side of boom knuckle RLP/HDT.	1	
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
WARRANTY / STANDARD			
9100-0000	Standard 1 Year Warranty.	1	
9100-0003	Lifetime Frame Stuctural Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0007	20 Year Aerial Device Structural Warranty - Integrity Limited Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
9100-0090	25 Year frame rail corrosion warranty. Includes liners (if equipped).	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0000	Vehicle familiarization aerial (Domestic). 3 days. Use 9300-0315 for additional days.	1	
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0016	Approval Drawings-Standard.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	

ITEM #25
HP95 Mod Mount
Cyclone II

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
HP95 Mid Mount Platform

Quotation Number: 72782 Rev: 11

Unit Description: AEMM-CYC2-095P

Quote Description: Aerial Mid Mount, Cyclone II, 95 Platform Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0001	Hosebed hoseload allowance on the apparatus shall be 1000 lbs.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3340-1137-12C	Equipment allowance on the apparatus shall be 2500 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
BUMPERS			
1160-0000	Bumper 10" stainless steel.	1	
1160-0011	4" Front Bumper Extension.	1	
1160-0020	License plate holder mounted center of front bumper.	1	
FRAME ASSEMBLY			
1250-0073	Frame - Formed torque box for HP95 Mid-Mount aerial. Includes 12" high rails below cab.	1	
1250-0092	GEOMET coated frame assembly fasteners.	1	
AXLE OPTIONS			
1025-0024	Meritor RT-58-185 rear tandem axle 60,000 lb. capacity.	1	
1025-0152	Reyco Granning independent front suspension - 22,800 lb. Includes shocks and sight glass on hubs.	1	
SUSPENSIONS			
1070-0030	Rear suspension FIREMAAX EX model FMX-622 air ride (60-62K) rated equal to the capacity of the axles. Requires alum wheels. Requires TB modification on	1	

Salescode	Extended Description	Qty	
SUSPENSIONS			
	4-jack aerials. (Raises OAH .5" over springs)		
WHEEL OPTIONS			
1050-0001	Alcoa aluminum wheels for front axle (2).	1	
1050-0005	Alcoa aluminum wheels for rear axles (8).	1	
1050-0007	Front axle wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center cap with E-ONE logo. Note: Center cap will have an inspection port IPO a logo if equipped with Stemco oil seals.	1	
1050-0009	Rear axle (tandem) wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center caps with E-ONE logo. E-ONE custom chassis w/steel wheels will have chrome plated plastic lug covers.	1	
TIRE OPTIONS			
1060-0009	Eight Michelin 315 tires model XZA-1 for rear axles.	1	
1060-0046	Two Michelin 425 tires model XFE for front axle.	1	
1060-0119	RWC AirGuard LED tire pressure monitoring valve stem caps (10) for tandem rear axle applications.	1	
BRAKE SYSTEMS			
1100-0006	Parking brake release mounted on the driver's side lower dash.	1	
1100-0008	Brake system air 6X4.	1	
1100-0014	ArvinMeritor 16-1/2" x 7" S-cam brakes with cast brake drums for a tandem rear axle.	1	
1100-0054	Bendix SN7 17" disc brakes for front axle. Reyco Granning IFS only.	1	
AIR SYSTEM OPTIONS			
1110-0000-001	Inlet for air system. Location: driver door jamb.	1	
1110-0002	Air dryer Bendix AD-9.	1	
1110-0006	Air lines nylon.	1	
1110-0041	Air horns Grover recessed in bumper (PR).	1	
ENGINES & TRANSMISSIONS			
1200-0017	Push-button transmission shift selector.	1	
1200-0021	TransSynd synthetic transmission fluid for EVS 4000.	1	
1200-0096	Electronic speed limiting set at 60 MPH.	1	
1200-0317	Eng/Trans Cummins ISX12 500HP with EVS4000 transmission. 2016 EPA Compliant.	1	

Salescode	Extended Description	Qty	
SECONDARY BRAKING			
1125-0002	Jacobs engine compression brake.	1	
1125-0023	Transmission to seek second gear when Jacobs engine brake or Telma retarder is engaged. N/A with Trans retarder.	1	
COOLING PACKAGE			
1800-0013	Cooling system for use with Cyclone II X, Typhoon X, and Quest chassis. For use with 2010 - 2017 EPA engines. Includes coolant recovery system.	1	
FUEL SYSTEMS			
1350-0001	Dual fuel fill package. Additional fuel fill provided on officer side of unit.	1	
1350-0005	Fuel system 65 gallons.	1	
1350-0022	Fuel line hose rubber.	1	
ALTERNATOR			
1700-0019	Alternator Niehoff 360 amp (360 amp SAE/320 NFPA rating). Available only on ISX12 and ISX15.	1	
BATTERIES			
1400-0002	Battery four group 31 1000 CCA.	1	
CHASSIS OPTIONS			
1680-0005	Thermatic fan clutch.	1	
1680-0007	Drivelines 1810. Required on 1550 lb/ft torque or greater engines.	1	
1680-0008	Tow eyes front painted below bumper/cab (PR).	1	
1680-0012	Tow eyes rear frame painted black.	1	
1680-0017	Hot shift PTO.	1	
1680-0188	Aerial hydraulics installed on bottom port of EVS4000/4500 transmission (to allow for flat rear cab floor).	1	
1680-0250-M58	Diesel Exhaust Fluid (DEF) 5 gallon tank for 2013 / 2016 EPA engines. Location: left side below rear of cab.	1	
1680-0284	Radiator mounted power steering cooler.	1	
CAB MODEL			
1520-0008	Cyclone II X medium cab with 58" CA	1	
CAB ROOF TYPE			
1615-0010	Cab roof to be "flat" (non-vista).	1	

Salescode	Extended Description	Qty	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	
CAB DOOR OPTIONS			
1550-0003	Rear crew cab doors in the medium position.	1	
1550-0005	Driver and officer cab door windows. Include forward vent windows.	1	
1550-0011	Rear crew cab door windows. Includes manual roll-down actuation. Not available on Typhoon or CII with paddle style door latching.	1	
1550-0016	Cab door panels ABS.	1	
1550-0025	All cab doors shall have "L" style exterior latches.	1	
1550-0027	Front cab door windows to have manual actuation.	1	
1550-0038-659	(4) LED cab step area lighting. Locate each light on each cab door in the inboard position. Lights to be switched with door ajar.	1	
1550-0044	All cab door kick plates to be made from diamond plate aluminum.	1	
1550-0059-000-G6	Reflective Red/Lemon Yellow printed striping positioned in the "A" formation located on the cab door panels.	1	
1550-0077	Interior cab door locks - manual. Will have manual actuation from each respective door. Includes barrel style key lock on each exterior cab door.	1	
1550-0083	All cab exterior access doors to have CH751 keyed locks.	1	
CAB STEP OPTIONS			
1640-0045-158	Step below cab door. Open back style with angled corners. Located driver's front door. Steps under front cab doors shall not interfere with approach angle.	1	
1640-0045-159	Step below cab door. Open back style with angled corners. Located officer's front door. Steps under front cab doors shall not interfere with approach angle.	1	
1640-0045-160	Step below cab door. Open back style with angled corners. Located driver side rear door. Steps under front cab doors shall not interfere with approach angle.	1	
1640-0045-161	Step below cab door. Open back style with angled corners. Located officer side rear door. Steps under front cab doors shall not interfere with approach angle.	1	
MIRRORS			
1670-0003	Velvac 2010 mirrors. Door mounted west coast style with remote control and heat.	1	
MISC EXTERIOR CAB OPTIONS			
1550-0020	Windows cab side fixed driver's side.	1	
1550-0033	Windows cab side fixed officer's side.	1	
1675-0022	Pair of 18" handrails located just behind driver and officer front door one each	1	

Salescode	Extended Description	Qty	
MISC EXTERIOR CAB OPTIONS			
	side.		
1675-0024	Pair of 36" handrails located just behind driver and officer rear door (ALS doors if equipped) one each side.	1	
1675-0030	Mud flaps, front, black with E-ONE logo.	1	
1675-0047	Rear cab wall to be 3/16" aluminum diamond plate.	1	
1675-0201	Large radius cab wheel well. Includes bolt-on adjustable wheel well trim.	1	
1675-0202	Mounting plate for battery charger receptacle, indicator, air inlet, etc (if applicable). Plate to be removable brushed stainless steel.	1	
HVAC			
1515-0018	Air conditioning for the Typhoon X, CII X and Quest with roof top mounted condenser.	1	
1515-0053	Controls for heating and air conditioning shall be located in the center dash area. (Lower area on Typhoon and CII with severe duty dash)	1	
SEATS			
1510-0003	Seats, Inc. brand 911 cab seats.	1	
1510-0007	Seat cover material vinyl.	1	
1510-0008	Seat color gray.	1	
1510-0035-147	Universal air pack bottle bracket (EA). Location: officer's seat.	1	
1510-0035-148	Universal air pack bottle bracket (EA). Location: rear facing driver's side.	1	
1510-0035-151	Universal air pack bottle bracket (EA). Location: inboard driver's side rear wall.	1	
1510-0035-152	Universal air pack bottle bracket (EA). Location: inboard officer's side rear wall.	1	
1510-0035-215	Universal air pack bottle bracket (EA). Location: rear facing officer's side.	1	
1510-0038	Driver seat 911 air ride.	1	
1510-0042	Officer seat to be 911 fixed SCBA.	1	
1510-0050	Rear facing 911 seat with SCBA driver's side.	1	
1510-0053	Rear facing 911 seat with SCBA officer's side.	1	
1510-0062	Two man bench centered on rear wall with 911 SCBA backs. Includes angled corners.	1	
1685-0033	Seating capacity tag of six occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0000	Cab interior gray. Does not include engine cover or seat color.	1	
1685-0006	Padded sun visors, driver and officer's side overhead.	1	

Salescode	Extended Description	Qty	
MISC INTERIOR CAB OPTIONS			
1685-0168	ABS Dash package. Includes center and officer side dash, lower kick panels and "A" post covers.	1	
1685-0187	Severe duty engine cover, molded polyurethane.	1	
1685-0496	ABS overhead console. Includes front full width overhead, air conditioning plenum and rear facing blower.	1	
1685-0532	Stepped profile rear engine cover.	1	
CAB ELECTRICAL OPTIONS			
1750-0046-195	Cab Headlights. Position: lower.	1	
1750-0059-179-04	Receptacle inlet 20 amp with a Yellow cover. Location: outside driver's door next to handrail.	1	
1750-0072-592	12 VDC (or 24VDC) electrical outlet wired battery hot. Location: driver side dash.	1	
1750-0075	English dominant main cab gauge cluster.	1	
1750-0158	Dome Lts Red/White LED. Package includes two lights mounted in the front and two mounted in the rear of the cab. White light wired through door and light assembly switch. Red light through light assembly switch.	1	
1750-0198-A31	Battery charger to be located behind driver's seat.	1	
1750-0215-172	Turn signal Whelen M6 LED arrow amber pair located upper headlight bezel.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
1750-0435	Halogen cab headlights. TyphoonX, CIIX and QST2 only.	1	
1750-0449	Momentary DPF regeneration override switch.	1	
BODY MODEL			
3080-0034	HP95 MidMount center body with pump and 300g tank.	1	
3080-0041	HP95 MidMount rear body with hosebed.	1	
3080-0147	HP95 MidMount front body with pump (for use with DPF / SCR aftertreatment).	1	
BODY COMPT REAR			
3110-0360	Rear of body to have un-painted smooth plate overlay style body panels to facilitate rear body striping.	1	
AERIAL BODY OPTIONS			
3310-0032	Recessed tubes for (6) pike poles. Not available on HP75 SideStacker.	1	
3310-0057	Crosslay double to hold up to 400' of 2.0" DJ (each).	1	
3310-0069	Rear ladder tunnel doors. Vertically hinged smooth plate to match rear body finish.	1	

Salescode	Extended Description	Qty	
AERIAL BODY OPTIONS			
3310-0161	Jack leg opening covers diamond plate (2) sets. Includes diamond plate outrigger covers and fixed diamond plate filler panels.	1	
3310-0311	Auxiliary jack pads 24X24 (4) with 20 degree formed handle. Includes mounting brackets to store (2) each side of the body next to front drop down jacks.	1	
DOORS			
3300-0007-003	Door single vertical hinged painted. Location(s): L1	1	
3300-0007-004	Door single vertical hinged painted. Location(s): L2	1	
3300-0007-015	Door single vertical hinged painted. Location(s): R1	1	
3300-0007-016	Door single vertical hinged painted. Location(s): R2	1	
3300-0007-018	Door single vertical hinged painted. Location(s): R4	1	
3300-0011-005	Door single horizontal hinged lift-up box pan configuration painted. Location(s): L3	1	
3300-0289-007	Door double vertical hinged w/rotary latches - painted . Location(s): L5 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-017	Door double vertical hinged w/rotary latches - painted . Location(s): R3 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0289-019	Door double vertical hinged w/rotary latches - painted . Location(s): R5 Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
3300-0292-006	Door double 3-point vertical hinged w/rotary latches - painted. Location(s): L4. Includes latch handle extension installed on secondary door's interior latch with "PULL" tags using .125 plate.	1	
COVERS			
3305-0007-000-13	Vinyl Black hose bed cover with attached rear flap(s).	1	
3305-0008-000-13	Vinyl Black crosslay cover with attached side flaps.	1	
PUMP PANELS			
3134-0016	Stainless steel driver and officer side pump panels.	1	
3134-0039	The gauge panel on the driver side pump panel is to be hinged upward. Includes two spring type hold opens, two trigger latches, and a recessed handle.	1	
3134-0055	Officer side upper pump access panel to be horizontal hinged with stainless steel door. Includes (2) push button latches and (2) hold open devices.	1	
MISC PUMP PANEL OPTIONS			

Salescode	Extended Description	Qty	
MISC PUMP PANEL OPTIONS			
4460-0003	Pump panel tags color coded per NFPA compliance.	1	
WATER TANK			
4010-0195	300 gallon "T" water tank. UPF Poly III blue fill tower.	1	
TANK PLUMBING			
4450-0010	2" tank fill Akron manual valve.	1	
4450-0023	3" Tank to Pump Akron Air Actuated Valve	1	
LADDER STORAGE / RACKS			
3365-0036-603	Center mounted ladder tunnel. Ladder rack to hold: PEL3-35, PEL-24, (2)PRL-16, PRL-14 and FL-10	1	
HANDRAILS / STEPS			
3330-0002-050	Slide-out platform, rollerless. Includes chrome grab handle centered on the front face of the platform (includes hand rail as applicable). Located below driver side pump panel.	1	
3330-0288	Step swing down diamond plate with gator grip located at each aerial access staircase (3). Includes mechanical lock to store in the up position. (HP95MM Platform only)	1	
MISC BODY OPTIONS			
3340-0059	Recessed fuel fills for dual fuel fill application, (1) each side in rear wheel wells.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0107	Diamond plate tandem axle wheel well. Includes bolt-on composite wheel well liners and fenderettes.	1	
3340-0270	The painted aerial body side panels shall be smooth / flush. Applies to SideStacker HB side, panels next to water tank on MM, and upper body sides on RLP.	1	
3340-0478	Insulation shall be installed behind and / or below the body to protect the compartment(s) from excessive exhaust system heat.	1	
PUMPS			
4005-0031	Rating 1500 GPM.	1	
4005-0198	Hale 8FGR 1500-2000 GPM Pump single stage. Requires dual primer option.	1	
PUMP CERTIFICATION			
4475-0000	Pump certification 750-2250 GPM	1	

Salescode	Extended Description	Qty	
PUMP OPTIONS			
4015-0052-198	Steamers to be Flush. Location: driver's side.	1	
4015-0052-199	Steamers to be Flush. Location: officer's side.	1	
4015-0073	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location below running board on driver side (or area directly to rear of panel if no room below panel).	1	
4015-0210	Pump cooler with Innovative Control 1/4 turn valve with "T" handle and label.	1	
4015-0243	Hale electric primer - dual (oil-less).	1	
INTAKES			
4440-0005	2.5" Left Intake Akron Manual Valve.	1	
INTAKE OPTIONS			
4445-0009	Intake relief valve, Akron.	1	
DISCHARGES AND PRECONNECTS			
4415-0012-654	1.5" Crosslay with Akron manual valve. Location: crosslay 1 & 2.	2	
4415-0014-581	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 1.	1	
4415-0014-582	2.5" Left Pump Panel Discharge Akron Manual Valve. Location: left side discharge 2.	1	
4415-0016-583	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 1.	1	
4415-0016-584	2.5" Right Pump Panel Discharge Akron Manual Valve. Location: right side discharge 2.	1	
4415-0994	4" waterway discharge with 4" Akron electric valve with 9323 controller.	1	
DISCHARGE OPTIONS			
4417-0175	Innovative Controls push/pull valve controls with locking T handles.	1	
4417-0176	Innovative Controls 3/4" bleeder/drain valve include lift lever with ergonomic grip.	7	
4417-0185	Innovative Controls discharge and intake bezels with integral color code and verbiage for side mount pump panel.	1	
PRESSURE GOVERNORS			
4465-0005	Class 1 Captain pressure governor.	1	
GAUGES			
4435-0069	Class 1 ENFO IV system on pump operator's panel.	1	

Salescode	Extended Description	Qty	
GAUGES			
4435-0083	Innovative Controls 10 LED SL series water tank level gauge. On pump panel.	1	
4435-0246	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel.	7	
4435-0247	4" Innovative Controls stainless steel case master pressure gauges with bezel. Intake 30-0-400, and discharge 0-400.	1	
ELECTRICAL SYSTEMS			
5010-0039	V-MUX Electrical system for aerials.	1	
5010-0049	Vehicle data recorder - 2009 / 2016 NFPA compliant. Includes occupant detection shown in multiplex display. E-ONE chassis only.	1	
5010-0055-649	Vista IV display for V-MUX electrical system. Location: driver's side engine cover.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0504	Whelen MKEZ7 1.5" standard mount for front light bar (PR).	1	
5300-0506-000-4V	Front light bar LED color: Red/White with clear lenses (If applicable, includes side facing when colors are the same.)	1	
5300-0511	Light bar Whelen Freedom IV Model F4X7 72" with 8 LED modules. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0484-538-4U	Whelen Super LED lower level warning light package. Includes (8) C-Series model C6L light heads and (2) ION-T Series model TLI light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, in rear wheel well offset to front, and side facing at rear of body in rubrail if equipped. Note: ION-T Series light only available with clear lenses.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
5600-0669-464-4U	Warning light Whelen C-Series model C6L Super LED (PR). Color: Red with red lenses. Location: (1) each side of cab down low just ahead of rear doors.	1	
SIRENS			
5500-0015	Whelen model 295SLSA1 siren with microphone (replaced 295HFSA1).	1	
5500-0024-170	The primary electronic siren control is to be located center overhead.	1	

Salescode	Extended Description	Qty	
SPEAKERS			
5510-0049-209	Whelen SP123BMC electronic siren speaker recessed in front bumper. Location: driver side front bumper.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0026	Marker light LED body/cab package. E-ONE custom cab with aerial ladder, Mid-Mount platform or Bronto bodies only.	1	
5150-0039	Marker lights Britax amber/red rubber housed mounted on the rear body corners angled down.	1	
5150-0129	Whelen M6 series LED horizontal mount tail lights. Includes LED stop/tail, arrow turn and back-up lights individually mounted with weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0278	Compartment light package TecNiq T440 4" LED for large bodies.	1	
5380-0279	Ground light package TecNiq T440 4" LED - small.	1	
5380-0285	Step light package body TecNiq T440 4" LED - small.	1	
5380-0323	The auxiliary steps below the cab doors to have EON LED lights to illuminate the stepping surface and ground below (IPO lights indicated in the main ground light package).	1	
5380-0325	EON LED ladder tunnel light (EA).	3	
LIGHTS - DECK AND SCENE			
5390-0215-457	Deck Lights - Optronics Model TLL44 (PR). Location: (1) each side of body rear facing up high.	1	
5390-0216	Hose bed light Optronics LED model TLL44 Locate at front of hose bed. Switched with work light switch in cab.	1	
5390-0217	Crosslay light Optronics LED model TLL44. Locate to rear of crosslay (SM) and forward of crosslay (TM as applicable). Switched with work light switch in cab.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0011	LED pump compartment light (EA).	1	
5400-0230	Pump panel LED light package EON / 4" TecNiq for HP95MM / RLP. Includes (3) TecNiq EON lights with S/S housings for upper control panel and (2) 4" TecNiq each side for lower side intake / discharge panels.	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	

Salescode	Extended Description	Qty	
CONTROLS / SWITCHES			
5100-0000-199	Foot switch to control air horns located officer's side.	1	
5100-0165	Audible door ajar alarm wired through door ajar light. For use with V-Mux Display only.	1	
CAMERAS / INTERCOM			
5350-0156	FRC ACT 2-way aerial intercom.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
AERIAL MODEL			
6100-0008	Platform HP95 Mid-Mount. Includes driver side console, level assist and jack leg flood lights.	1	
AERIAL HYDRAULIC SYSTEM OPTIONS			
6150-0003-216	Gauge aerial hydraulic oil level. Electronic display to be located on pump operator's panel.	1	
AERIAL CONTROLS			
6850-0042	Roll-top multi-level turntable console mounted to tube style pedestal mount. Cover to be 3-piece design. (95-platform, HP95 MM Platform and HP/HPS100 Platform only)	1	
MONITORS			
6300-0017	Monitor painted silver from OEM.	1	
6300-0108	Monitor Akron StreamMaster II electric with 5177 nozzle 1250GPM for platform. Includes tip controls, base controls and a butterfly valve. Monitor to have multiple flow ratings based on aerial model and monitor position.	1	
WATERWAY OPTIONS			
6350-0009	Right side 4" NST waterway inlet for Mid-Mount Boom or Platform. Includes chrome cap.	1	
6350-0012-192	Akron 2.5" valve for platform. Valve to be located at the front of platform next to monitor.	1	
6350-0014	2.5" chrome elbow with 2.5" x 1.5" reducer and 1.5" cap for platform / ladder discharge valve.	1	
6350-0067	2.5" Innovative Controls stainless steel case pressure gauge (0-400) with color code bezel. Locate next to waterway inlet.	1	
AERIAL WARNING LIGHTS			

Salescode	Extended Description	Qty	
AERIAL WARNING LIGHTS			
6550-0001	Outrigger warning lights (PR) LED. Truck-Lite model 91R.	1	
AERIAL LIGHTING			
6560-0041	Whelen LED model PFBP12C at base (PR).	1	
6560-0163-237	Light Whelen Micro Pioneer model MPPWCS low profile pedestal mount with a white housing with chrome cover. Switched at light head and base console. Location(s): center front of platform.	1	
MISC AERIAL ELECTRICAL			
6570-0050	Aerial Information Center (AIC) for 95-Platform and HP95MM.	1	
BREATHING AIR			
6400-0003	Breathing air platform with (1) 444CF cylinder. Includes low air alarm.	1	
SIGN PLATES			
6750-0001-000-39	Aerial sign plates 16 x 144 (PR). Available on LTH100, HP100L, HPS105L, HP95 and HP100P only (requires 6750-0014 for special bracket on HP100P if there are not ladder brackets on each side). Does not include lettering. Color: Job Color	1	
AERIAL TESTING			
6900-0000	Aerial flow test - 3rd party.	1	
6900-0007	Aerial 2016 NFPA Certification.	1	
ELBOWS			
7400-0005	Chrome discharge elbow 2.5", 45 degree.	4	
GROUND LADDERS			
7800-0002	Alco-Lite FL-10, 10' folding ladder without shoes.	1	
7800-0007	Alco-Lite PRL-14' roof ladder.	1	
7800-0010	Alco-Lite PRL-16' roof ladder.	2	
7800-0016	Alco-Lite PEL-24' 2-section extension ladder.	1	
7800-0023	Alco-Lite PEL3-35' 3-section extension ladder.	1	
MISC LOOSE EQUIPMENT			
7600-0016	Wheel chocks 44" NFPA compliant, pair (PR) of Zico SAC-44. Up to 44" diameter tires. Includes mounting brackets.	1	
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	

Salescode	Extended Description	Qty	
EXTERIOR PAINT			
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	
8100-0176-000-17	Paint E-ONE chassis cab - Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0183-000-17	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0354	Paint lift cylinders, extension cylinders and upper turntable steelwork primary job color (does not apply to TT deck).	1	
INTERIOR PAINT			
8150-0011	The interior of the cab to be painted Zolatone gray.	1	
STRIPING			
8200-0015	White reflective tape on (2) outriggers.	1	
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
GRAPHICS			
8400-0022	Logo E-ONE (PR) on aerial lift cylinder. Logo to be black and white reflective material approx 14" long located midway along outward surface of cylinder.	1	
WARRANTY / STANDARD			
9100-0000	Standard 1 Year Warranty.	1	
9100-0003	Lifetime Frame Stuctural Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1	
9100-0007	20 Year Aerial Device Structural Warranty - Integrity Limited Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0000	Vehicle familiarization aerial (Domestic). 3 days. Use 9300-0315 for additional days.	1	
9300-0009	Manuals, Operator and Service in digital format.	1	

Salescode	Extended Description	Qty	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0016	Approval Drawings-Standard.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	
Dealer Supplied Equipment			

ITEM #27
Non Walk-In Rescue
Kenworth

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Kenworth 2-Door Non Walk-In Rescue
Item #27

Quotation Number: 72783 Rev: 39

Unit Description: REHN-COMM

Quote Description: Heavy Rescue Non-Walk, Commercial Chassis Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3340-1137-12F	Equipment allowance on the apparatus shall be 4000 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
CHASSIS PREP			
1020-00KW	Commercial Chassis Prep for E-1supplied Kenworth chassis	1	
FRAME ASSEMBLY			
1250-0011	Rear underbody support frame.	1	
TIRE OPTIONS			
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
AIR SYSTEM OPTIONS			
1110-0010-277	Air inlet. To charge brake system. Commercial chassis only. Location: driver's door step area.	1	
ENGINES & TRANSMISSIONS			
1200-0357	Cummins L9 engine, 300 HP @ 2000 RPM, 860 lb-ft Torque @ 1300 RPM, 2200 RPM Governed Speed	1	
CHASSIS OPTIONS			
1680-0011	Tow eyes rear below body, painted.	1	

Salescode	Extended Description	Qty	
CHASSIS OPTIONS			
1680-0078	Tow hooks front OEM. Not available with extended E-ONE installed front bumper. Tow hooks are OEM supplied with chassis.	1	
1680-0252	OEM chassis step package for Kenworth Commercial Chassis. Includes mounting plate for the battery charger receptacle and air inlet.	1	
CAB MODEL			
1520-0152	Kenworth commercial two (2) door T370 4X2. PX-9 engines up to 380 HP.	1	
CAB DOOR OPTIONS			
1550-0227	Reflective striping shall be installed on commercial cab doors, visible when the door is open, meeting NFPA requirement of 96 sq. in. coverage for each door.	1	
MISC EXTERIOR CAB OPTIONS			
1675-0007	Diesel fuel only label.	1	
SEATS			
1685-0012	Seating capacity tag of two occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0450	Center control console painted black Zolatone. Locate in cab between driver and officer. Includes area for NFPA siren, electrical, and in-cab controls (as applicable) switching.	1	
CAB ELECTRICAL OPTIONS			
1750-0024-277-04	Auto-Eject receptacle inlet 20 amp located driver's door step area with a Yellow cover.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
BODY SPEC			
3090-0009	Non Walk-in Rescue Body Spec EA	1	
RESCUE BODY LOWER			
3092-0010-027	Extend diamond plate floors out to door opening. Location is B1. Extruded aluminum.	1	
3092-0011	16' Non Walkin Rescue Body 3/3/5/3 EA	1	
RESCUE BODY UPPER			
3094-0000	Perimeter roof with officer side entrance, L shape catwalk. Extruded aluminum.	1	
3094-0003	Upper body height 15". Extruded aluminum.	1	
3094-0012	Roof compartments for 16' perimeter roof body. Extruded aluminum.	1	

Salescode	Extended Description	Qty	
RESCUE BODY REAR			
3096-0000	Rescue Rear Body Full Height Compartment B1	1	
3096-0004	10" Tailboard Bolt-On With Bracing Rescue	1	
BODY COMPT REAR			
3110-0028	Rear body panels to be painted smooth plate.	1	
RESCUE BODY OPTIONS			
3360-0013	Zico access ladder. Includes required step lights.	1	
3360-0020	Front body panels to be diamond plate.	1	
DOORS			
3300-0017-005	Door roll up short (up to 45") with satin finish ROM. Location(s): L3.	1	
3300-0017-017	Door roll up short (up to 45") with satin finish ROM. Location(s): R3.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-004	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L2.	1	
3300-0019-006	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L4.	1	
3300-0019-015	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R1.	1	
3300-0019-016	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R2.	1	
3300-0019-018	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R4.	1	
3300-0019-027	Door roll up tall (greater than 45") with satin finish ROM. Location(s): B1.	1	
SHELVES			
3370-0035-003	Shelf adjustable 1/2 depth in transverse compartment. Locate in L1.	2	
3370-0035-004	Shelf adjustable 1/2 depth in transverse compartment. Locate in L2.	2	
3370-0043	Unistrut. All exterior compartments on rescue body will have Unistrut in each compartment unless inapplicable.	1	
3370-0052-005	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L3.	2	
3370-0052-006	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L4.	2	
COMPARTMENT DIVIDERS			
3340-0166-003	Partition, bolt-in vertical partition wall. Locate in L1.	1	

Salescode	Extended Description	Qty	
COMPARTMENT DIVIDERS			
3395-0001-003	Compartment instructions for L1.	1	Partition to be located 12in off FWD wall. Shelf Adjustable - Half Transverse to be located Rearward of Partition 1. Shelf Adjustable - Half Transverse to be located Rearward of Partition 1.
TRAYS / TOOLBOARDS			
3380-0027-015	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R1 floor.	1	
3380-0027-016	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R2 floor.	1	
3380-0027-017	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R3 floor.	1	
3380-0027-018	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R4 floor.	1	
MISC BODY OPTIONS			
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
ELECTRICAL SYSTEMS			
5010-0014-G96	Vehicle data recorder for commercial cab - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: outboard on officer's side overhead console.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-339	VFD Text display for V-MUX electrical system. Location: center of dash.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0504	Whelen MKEZ7 1.5" standard mount for front light bar (PR).	1	
5300-0506-000-4V	Front light bar LED color: Red/White with clear lenses (If applicable, includes side facing when colors are the same.)	1	
5300-0529	Light bar Whelen Freedom IV Model F4X0 55" with 8 LED modules. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0483-B38-4U	Whelen C-Series model C6L Super LED lower level warning light package. Includes (10) light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, in rear wheelwell offset to front, and on	1	

Salescode	Extended Description	Qty	
WARNING LIGHT PACKAGES			
	tailboard mounted light box above rear tailboard.		
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-B13	The primary electronic siren control is to be located center console.	1	
SPEAKERS			
5510-0028	Speaker Federal Dynamax ES100. Located officer's side behind tow hook. Navistar 4400 chassis only.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0024	Marker light LED body package. Commercial rescue bodies only.	1	
5150-0032	Bracket license plate at rear of body.	1	
5150-0102	Whelen M6 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical 3 light housing and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0036	Step light package body LED - small.	1	
5380-0278	Compartment light package TecNiq T440 4" LED for large bodies.	1	
5380-0279	Ground light package TecNiq T440 4" LED - small.	1	
LIGHTS - DECK AND SCENE			
5390-0007	Deck/scene light circuit wiring through chassis reverse. Requires rear deck or scene light.	1	
5390-0215-457	Deck Lights - Optronics Model TLL44 (PR). Location: (1) each side of body rear facing up high.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0031	Pair of Cab Dome Large Lights mounted driver and officer side front. N/A on E-One Chassis. Required on Comm Chassis.	1	

Salescode	Extended Description	Qty	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
5110-0035	All 12 Volt electrical components and Multiplex box will be located in lower L1 back wall. The compartment depth will be limited by approximately 6".	1	
GENERATOR			
5250-0059	Generator Onan 15KW PTO. Single phase 120/240v. Includes PTO, driveshaft, main breaker, gauge panel, fast idle and frequency control for engine.	1	
GENERATOR TEST			
5255-0000	3rd party generator test without pump.	1	
BREAKER BOXES			
5200-0001-394	Breaker box 12 place single phase. Includes main breaker. Note: If gen is 6KW or less, main will occupy 2 places leaving 10 available. Locate L1 forward wall.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0183-000-17	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0440-000-7W	Kenworth cab paint (by chassis OEM). Paint to match As Specified.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
GRAPHICS			
8400-0067	E-ONE logo with grey backing on M6 series vertical tail light housing (PR).	1	
WARRANTY / STANDARD & EXTENDED			
9100-0000	Standard 1 Year Warranty.	1	

Salescode	Extended Description	Qty	1
WARRANTY / STANDARD & EXTENDED			
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint. Fire Apparatus	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	
LIGHT TOWER			
5460-0064	Night Scan Chief NS1.8-6000OPT light tower with four 1500 watt 230 volt FRC Optimum quartz light heads. Control to be located next to the breaker box. Requires air brakes or air system and auxiliary air tank. Tower to be located rear cab roof mounted side to side and hinged to driver.	1	

ITEM #27
Non Walk-In Rescue
Freightliner

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Peterbilt Non Walk-In Rescue
Item #27

Quotation Number: 90520 Rev: 7

Unit Description: REHN-COMM

Quote Description: Heavy Rescue Non-Walk, Commercial Chassis Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3340-1137-12F	Equipment allowance on the apparatus shall be 4000 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
CHASSIS PREP			
1020-0039	Chassis prep for a Peterbuilt chassis.	1	
FRAME ASSEMBLY			
1250-0011	Rear underbody support frame.	1	
TIRE OPTIONS			
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
AIR SYSTEM OPTIONS			
1110-0010-277	Air inlet. To charge brake system. Commercial chassis only. Location: driver's door step area.	1	
ENGINES & TRANSMISSIONS			
1200-0336	PACCAR PX-9 engine 380 HP @ 2000 RPM, 1150 lb-ft Torque @ 1400 RPM, 2200 RPM Governed Speed	1	
CHASSIS OPTIONS			
1680-0011	Tow eyes rear below body, painted.	1	

Salescode	Extended Description	Qty	
CHASSIS OPTIONS			
1680-0078	Tow hooks front OEM. Not available with extended E-ONE installed front bumper. Tow hooks are OEM supplied with chassis.	1	
1680-0104	OEM chassis step package for Freightliner M2 series. Includes mounting plate for the battery charger receptacle and air inlet.	1	
CAB MODEL			
1520-0156	CAB 2DR Peterbuilt model 348 4x2 with horzontial exhaust RH side exit. PX9 engine	1	
CAB DOOR OPTIONS			
1550-0227	Reflective striping shall be installed on commercial cab doors, visible when the door is open, meeting NFPA requirement of 96 sq. in. coverage for each door.	1	
MISC EXTERIOR CAB OPTIONS			
1675-0007	Diesel fuel only label.	1	
SEATS			
1685-0012	Seating capacity tag of two occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0450	Center control console painted black Zolatone. Locate in cab between driver and officer. Includes area for NFPA siren, electrical, and in-cab controls (as applicable) switching.	1	
CAB ELECTRICAL OPTIONS			
1750-0024-277-04	Auto-Eject receptacle inlet 20 amp located driver's door step area with a Yellow cover.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
BODY SPEC			
3090-0009	Non Walk-in Rescue Body Spec EA	1	
RESCUE BODY LOWER			
3092-0010-027	Extend diamond plate floors out to door opening. Location is B1. Extruded aluminum.	1	
3092-0011	16' Non Walkin Rescue Body 3/3/5/3 EA	1	
RESCUE BODY UPPER			
3094-0000	Perimeter roof with officer side entrance, L shape catwalk. Extruded aluminum.	1	
3094-0003	Upper body height 15". Extruded aluminum.	1	
3094-0012	Roof compartments for 16' perimeter roof body. Extruded aluminum.	1	

Salescode	Extended Description	Qty	
RESCUE BODY REAR			
3096-0000	Rescue Rear Body Full Height Compartment B1	1	
3096-0004	10" Tailboard Bolt-On With Bracing Rescue	1	
BODY COMPT REAR			
3110-0028	Rear body panels to be painted smooth plate.	1	
RESCUE BODY OPTIONS			
3360-0013	Zico access ladder. Includes required step lights.	1	
3360-0020	Front body panels to be diamond plate.	1	
DOORS			
3300-0017-005	Door roll up short (up to 45") with satin finish ROM. Location(s): L3.	1	
3300-0017-017	Door roll up short (up to 45") with satin finish ROM. Location(s): R3.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-004	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L2.	1	
3300-0019-006	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L4.	1	
3300-0019-015	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R1.	1	
3300-0019-016	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R2.	1	
3300-0019-018	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R4.	1	
3300-0019-027	Door roll up tall (greater than 45") with satin finish ROM. Location(s): B1.	1	
SHELVES			
3370-0035-003	Shelf adjustable 1/2 depth in transverse compartment. Locate in L1.	2	
3370-0035-004	Shelf adjustable 1/2 depth in transverse compartment. Locate in L2.	2	
3370-0043	Unistrut. All exterior compartments on rescue body will have Unistrut in each compartment unless inapplicable.	1	
3370-0052-005	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L3.	2	
3370-0052-006	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L4.	2	
COMPARTMENT DIVIDERS			
3340-0166-003	Partition, bolt-in vertical partition wall. Locate in L1.	1	

Salescode	Extended Description	Qty	
COMPARTMENT DIVIDERS			
3395-0001-003	Compartment instructions for L1.	1	Partition to be located 12in off FWD wall. Shelf Adjustable - Half Transverse to be located Rearward of Partition 1. Shelf Adjustable - Half Transverse to be located Rearward of Partition 1.
TRAYS / TOOLBOARDS			
3380-0027-015	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R1 floor.	1	
3380-0027-016	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R2 floor.	1	
3380-0027-017	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R3 floor.	1	
3380-0027-018	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R4 floor.	1	
MISC BODY OPTIONS			
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
ELECTRICAL SYSTEMS			
5010-0014-G97	Vehicle data recorder for commercial cab - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: cab dash above transmission shift panel.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-339	VFD Text display for V-MUX electrical system. Location: center of dash.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0504	Whelen MKEZ7 1.5" standard mount for front light bar (PR).	1	
5300-0506-000-4V	Front light bar LED color: Red/White with clear lenses (If applicable, includes side facing when colors are the same.)	1	
5300-0529	Light bar Whelen Freedom IV Model F4X0 55" with 8 LED modules. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0483-B38-4U	Whelen C-Series model C6L Super LED lower level warning light package. Includes (10) light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, in rear wheelwell offset to front, and on	1	

Salescode	Extended Description	Qty	
WARNING LIGHT PACKAGES			
	tailboard mounted light box above rear tailboard.		
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-B13	The primary electronic siren control is to be located center console.	1	
SPEAKERS			
5510-0029-209	Speaker, Federal Signal Dynamax ES100 with "E-ONE" grille through bumper. Location: driver side front bumper.	1	
DOT LIGHTING			
5150-0007	Whelen 600 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and halogen back-up lights with vertical Cast 3 housing and weatherproof connectors.	1	
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0024	Marker light LED body package. Commercial rescue bodies only.	1	
5150-0032	Bracket license plate at rear of body.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0066	Compartment light package Federal Signal LED for large bodies.	1	
5380-0067	Ground light package Federal Signal LED - small.	1	
5380-0069	Step light package body Federal Signal LED - small.	1	
LIGHTS - DECK AND SCENE			
5390-0007	Deck/scene light circuit wiring through chassis reverse. Requires rear deck or scene light.	1	
5390-0008-457	Federal Signal GH scene lights (PR). Switch in cab (driver and officer side facing lights switched separately). Locate (1) each side of body rear facing up high.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0031	Pair of Cab Dome Large Lights mounted driver and officer side front. N/A on E-One Chassis. Required on Comm Chassis.	1	

Salescode	Extended Description	Qty	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
5110-0035	All 12 Volt electrical components and Multiplex box will be located in lower L1 back wall. The compartment depth will be limited by approximately 6".	1	
GENERATOR			
5250-0059	Generator Onan 15KW PTO. Single phase 120/240v. Includes PTO, driveshaft, main breaker, gauge panel, fast idle and frequency control for engine.	1	
GENERATOR TEST			
5255-0000	3rd party generator test without pump.	1	
BREAKER BOXES			
5200-0001-394	Breaker box 12 place single phase. Includes main breaker. Note: If gen is 6KW or less, main will occupy 2 places leaving 10 available. Locate L1 forward wall.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0183-000-17	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0516-000-7W	Peterbilt cab paint (by chassis OEM). Paint to match As Specified.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
WARRANTY / STANDARD			
9100-0000	Standard 1 Year Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	

Salescode	Extended Description	Qty	
WARRANTY / STANDARD			
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	
LIGHT TOWER			
5460-0064	Night Scan Chief NS1.8-6000OPT light tower with four 1500 watt 230 volt FRC Optimum quartz light heads. Control to be located next to the breaker box. Requires air brakes or air system and auxiliary air tank. Tower to be located rear cab roof mounted side to side and hinged to driver.	1	

ITEM #27
Non Walk-In Rescue
Peterbilt

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Peterbilt Non Walk-In Rescue
Item #27

Quotation Number: 90520 Rev: 7

Unit Description: REHN-COMM

Quote Description: Heavy Rescue Non-Walk, Commercial Chassis Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3340-1137-12F	Equipment allowance on the apparatus shall be 4000 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
CHASSIS PREP			
1020-0039	Chassis prep for a Peterbuilt chassis.	1	
FRAME ASSEMBLY			
1250-0011	Rear underbody support frame.	1	
TIRE OPTIONS			
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
AIR SYSTEM OPTIONS			
1110-0010-277	Air inlet. To charge brake system. Commercial chassis only. Location: driver's door step area.	1	
ENGINES & TRANSMISSIONS			
1200-0336	PACCAR PX-9 engine 380 HP @ 2000 RPM, 1150 lb-ft Torque @ 1400 RPM, 2200 RPM Governed Speed	1	
CHASSIS OPTIONS			
1680-0011	Tow eyes rear below body, painted.	1	

Salescode	Extended Description	Qty	
CHASSIS OPTIONS			
1680-0078	Tow hooks front OEM. Not available with extended E-ONE installed front bumper. Tow hooks are OEM supplied with chassis.	1	
1680-0104	OEM chassis step package for Freightliner M2 series. Includes mounting plate for the battery charger receptacle and air inlet.	1	
CAB MODEL			
1520-0156	CAB 2DR Peterbuilt model 348 4x2 with horzontial exhaust RH side exit. PX9 engine	1	
CAB DOOR OPTIONS			
1550-0227	Reflective striping shall be installed on commercial cab doors, visible when the door is open, meeting NFPA requirement of 96 sq. in. coverage for each door.	1	
MISC EXTERIOR CAB OPTIONS			
1675-0007	Diesel fuel only label.	1	
SEATS			
1685-0012	Seating capacity tag of two occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0450	Center control console painted black Zolatone. Locate in cab between driver and officer. Includes area for NFPA siren, electrical, and in-cab controls (as applicable) switching.	1	
CAB ELECTRICAL OPTIONS			
1750-0024-277-04	Auto-Eject receptacle inlet 20 amp located driver's door step area with a Yellow cover.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
BODY SPEC			
3090-0009	Non Walk-in Rescue Body Spec EA	1	
RESCUE BODY LOWER			
3092-0010-027	Extend diamond plate floors out to door opening. Location is B1. Extruded aluminum.	1	
3092-0011	16' Non Walkin Rescue Body 3/3/5/3 EA	1	
RESCUE BODY UPPER			
3094-0000	Perimeter roof with officer side entrance, L shape catwalk. Extruded aluminum.	1	
3094-0003	Upper body height 15". Extruded aluminum.	1	
3094-0012	Roof compartments for 16' perimeter roof body. Extruded aluminum.	1	

Salescode	Extended Description	Qty	
RESCUE BODY REAR			
3096-0000	Rescue Rear Body Full Height Compartment B1	1	
3096-0004	10" Tailboard Bolt-On With Bracing Rescue	1	
BODY COMPT REAR			
3110-0028	Rear body panels to be painted smooth plate.	1	
RESCUE BODY OPTIONS			
3360-0013	Zico access ladder. Includes required step lights.	1	
3360-0020	Front body panels to be diamond plate.	1	
DOORS			
3300-0017-005	Door roll up short (up to 45") with satin finish ROM. Location(s): L3.	1	
3300-0017-017	Door roll up short (up to 45") with satin finish ROM. Location(s): R3.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-004	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L2.	1	
3300-0019-006	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L4.	1	
3300-0019-015	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R1.	1	
3300-0019-016	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R2.	1	
3300-0019-018	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R4.	1	
3300-0019-027	Door roll up tall (greater than 45") with satin finish ROM. Location(s): B1.	1	
SHELVES			
3370-0035-003	Shelf adjustable 1/2 depth in transverse compartment. Locate in L1.	2	
3370-0035-004	Shelf adjustable 1/2 depth in transverse compartment. Locate in L2.	2	
3370-0043	Unistrut. All exterior compartments on rescue body will have Unistrut in each compartment unless inapplicable.	1	
3370-0052-005	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L3.	2	
3370-0052-006	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L4.	2	
COMPARTMENT DIVIDERS			
3340-0166-003	Partition, bolt-in vertical partition wall. Locate in L1.	1	

Salescode	Extended Description	Qty	
COMPARTMENT DIVIDERS			
3395-0001-003	Compartment instructions for L1.	1	Partition to be located 12in off FWD wall. Shelf Adjustable - Half Transverse to be located Rearward of Partition 1. Shelf Adjustable - Half Transverse to be located Rearward of Partition 1.
TRAYS / TOOLBOARDS			
3380-0027-015	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R1 floor.	1	
3380-0027-016	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R2 floor.	1	
3380-0027-017	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R3 floor.	1	
3380-0027-018	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R4 floor.	1	
MISC BODY OPTIONS			
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
ELECTRICAL SYSTEMS			
5010-0014-G97	Vehicle data recorder for commercial cab - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: cab dash above transmission shift panel.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-339	VFD Text display for V-MUX electrical system. Location: center of dash.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0504	Whelen MKEZ7 1.5" standard mount for front light bar (PR).	1	
5300-0506-000-4V	Front light bar LED color: Red/White with clear lenses (If applicable, includes side facing when colors are the same.)	1	
5300-0529	Light bar Whelen Freedom IV Model F4X0 55" with 8 LED modules. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0483-B38-4U	Whelen C-Series model C6L Super LED lower level warning light package. Includes (10) light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, in rear wheelwell offset to front, and on	1	

Salescode	Extended Description	Qty	
WARNING LIGHT PACKAGES			
	tailboard mounted light box above rear tailboard.		
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-B13	The primary electronic siren control is to be located center console.	1	
SPEAKERS			
5510-0029-209	Speaker, Federal Signal Dynamax ES100 with "E-ONE" grille through bumper. Location: driver side front bumper.	1	
DOT LIGHTING			
5150-0007	Whelen 600 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and halogen back-up lights with vertical Cast 3 housing and weatherproof connectors.	1	
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0024	Marker light LED body package. Commercial rescue bodies only.	1	
5150-0032	Bracket license plate at rear of body.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0066	Compartment light package Federal Signal LED for large bodies.	1	
5380-0067	Ground light package Federal Signal LED - small.	1	
5380-0069	Step light package body Federal Signal LED - small.	1	
LIGHTS - DECK AND SCENE			
5390-0007	Deck/scene light circuit wiring through chassis reverse. Requires rear deck or scene light.	1	
5390-0008-457	Federal Signal GH scene lights (PR). Switch in cab (driver and officer side facing lights switched separately). Locate (1) each side of body rear facing up high.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0031	Pair of Cab Dome Large Lights mounted driver and officer side front. N/A on E-One Chassis. Required on Comm Chassis.	1	

Salescode	Extended Description	Qty	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
5110-0035	All 12 Volt electrical components and Multiplex box will be located in lower L1 back wall. The compartment depth will be limited by approximately 6".	1	
GENERATOR			
5250-0059	Generator Onan 15KW PTO. Single phase 120/240v. Includes PTO, driveshaft, main breaker, gauge panel, fast idle and frequency control for engine.	1	
GENERATOR TEST			
5255-0000	3rd party generator test without pump.	1	
BREAKER BOXES			
5200-0001-394	Breaker box 12 place single phase. Includes main breaker. Note: If gen is 6KW or less, main will occupy 2 places leaving 10 available. Locate L1 forward wall.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0183-000-17	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0516-000-7W	Peterbilt cab paint (by chassis OEM). Paint to match As Specified.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
WARRANTY / STANDARD			
9100-0000	Standard 1 Year Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	

Salescode	Extended Description	Qty	
WARRANTY / STANDARD			
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	
LIGHT TOWER			
5460-0064	Night Scan Chief NS1.8-6000OPT light tower with four 1500 watt 230 volt FRC Optimum quartz light heads. Control to be located next to the breaker box. Requires air brakes or air system and auxiliary air tank. Tower to be located rear cab roof mounted side to side and hinged to driver.	1	

ITEM #27
Non Walk-In Rescue International

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
International 2-Door Non Walk-In Rescue
Item #27

Quotation Number: 72783 Rev: 39

Unit Description: REHN-COMM

Quote Description: Heavy Rescue Non-Walk, Commercial Chassis Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3340-1137-12F	Equipment allowance on the apparatus shall be 4000 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
CHASSIS PREP			
1020-0011	Commercial Chassis Prep for E-1supplied International chassis	1	
FRAME ASSEMBLY			
1250-0011	Rear underbody support frame.	1	
TIRE OPTIONS			
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
AIR SYSTEM OPTIONS			
1110-0010-277	Air inlet. To charge brake system. Commercial chassis only. Location: driver's door step area.	1	
ENGINES & TRANSMISSIONS			
1200-0357	Cummins L9 engine, 300 HP @ 2000 RPM, 860 lb-ft Torque @ 1300 RPM, 2200 RPM Governed Speed	1	
CHASSIS OPTIONS			
1680-0011	Tow eyes rear below body, painted.	1	

Salescode	Extended Description	Qty	
CHASSIS OPTIONS			
1680-0078	Tow hooks front OEM. Not available with extended E-ONE installed front bumper. Tow hooks are OEM supplied with chassis.	1	
1680-0106	OEM chassis step package for International 4000 and 7000 series. Includes mounting plate for the battery charger receptacle and air inlet.	1	
CAB MODEL			
1500-0010	Two door International 4400 4x2.	1	
CAB DOOR OPTIONS			
1550-0227	Reflective striping shall be installed on commercial cab doors, visible when the door is open, meeting NFPA requirement of 96 sq. in. coverage for each door.	1	
MISC EXTERIOR CAB OPTIONS			
1675-0007	Diesel fuel only label.	1	
SEATS			
1685-0012	Seating capacity tag of two occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0450	Center control console painted black Zolatone. Locate in cab between driver and officer. Includes area for NFPA siren, electrical, and in-cab controls (as applicable) switching.	1	
CAB ELECTRICAL OPTIONS			
1750-0024-277-04	Auto-Eject receptacle inlet 20 amp located driver's door step area with a Yellow cover.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
BODY SPEC			
3090-0009	Non Walk-in Rescue Body Spec EA	1	
RESCUE BODY LOWER			
3092-0010-027	Extend diamond plate floors out to door opening. Location is B1. Extruded aluminum.	1	
3092-0011	16' Non Walkin Rescue Body 3/3/5/3 EA	1	
RESCUE BODY UPPER			
3094-0000	Perimeter roof with officer side entrance, L shape catwalk. Extruded aluminum.	1	
3094-0003	Upper body height 15". Extruded aluminum.	1	
3094-0012	Roof compartments for 16' perimeter roof body. Extruded aluminum.	1	

Salescode	Extended Description	Qty	
RESCUE BODY REAR			
3096-0000	Rescue Rear Body Full Height Compartment B1	1	
3096-0004	10" Tailboard Bolt-On With Bracing Rescue	1	
BODY COMPT REAR			
3110-0028	Rear body panels to be painted smooth plate.	1	
RESCUE BODY OPTIONS			
3360-0013	Zico access ladder. Includes required step lights.	1	
3360-0020	Front body panels to be diamond plate.	1	
DOORS			
3300-0017-005	Door roll up short (up to 45") with satin finish ROM. Location(s): L3.	1	
3300-0017-017	Door roll up short (up to 45") with satin finish ROM. Location(s): R3.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-004	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L2.	1	
3300-0019-006	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L4.	1	
3300-0019-015	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R1.	1	
3300-0019-016	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R2.	1	
3300-0019-018	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R4.	1	
3300-0019-027	Door roll up tall (greater than 45") with satin finish ROM. Location(s): B1.	1	
SHELVES			
3370-0035-003	Shelf adjustable 1/2 depth in transverse compartment. Locate in L1.	2	
3370-0035-004	Shelf adjustable 1/2 depth in transverse compartment. Locate in L2.	2	
3370-0043	Unistrut. All exterior compartments on rescue body will have Unistrut in each compartment unless inapplicable.	1	
3370-0052-005	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L3.	2	
3370-0052-006	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L4.	2	
COMPARTMENT DIVIDERS			
3340-0166-003	Partition, bolt-in vertical partition wall. Locate in L1.	1	

Salescode	Extended Description	Qty	
COMPARTMENT DIVIDERS			
3395-0001-003	Compartment instructions for L1.	1	Partition to be located 12in off FWD wall. Shelf Adjustable - Half Transverse to be located Rearward of Partition 1. Shelf Adjustable - Half Transverse to be located Rearward of Partition 1.
TRAYS / TOOLBOARDS			
3380-0027-015	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R1 floor.	1	
3380-0027-016	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R2 floor.	1	
3380-0027-017	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R3 floor.	1	
3380-0027-018	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R4 floor.	1	
MISC BODY OPTIONS			
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
ELECTRICAL SYSTEMS			
5010-0014-G96	Vehicle data recorder for commercial cab - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: outboard on officer's side overhead console.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-339	VFD Text display for V-MUX electrical system. Location: center of dash.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0504	Whelen MKEZ7 1.5" standard mount for front light bar (PR).	1	
5300-0506-000-4V	Front light bar LED color: Red/White with clear lenses (If applicable, includes side facing when colors are the same.)	1	
5300-0529	Light bar Whelen Freedom IV Model F4X0 55" with 8 LED modules. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0483-B38-4U	Whelen C-Series model C6L Super LED lower level warning light package. Includes (10) light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, in rear wheelwell offset to front, and on	1	

Salescode	Extended Description	Qty	
WARNING LIGHT PACKAGES			
	tailboard mounted light box above rear tailboard.		
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-B13	The primary electronic siren control is to be located center console.	1	
SPEAKERS			
5510-0028	Speaker Federal Dynamax ES100. Located officer's side behind tow hook. Navistar 4400 chassis only.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0024	Marker light LED body package. Commercial rescue bodies only.	1	
5150-0032	Bracket license plate at rear of body.	1	
5150-0102	Whelen M6 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical 3 light housing and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0036	Step light package body LED - small.	1	
5380-0278	Compartment light package TecNiq T440 4" LED for large bodies.	1	
5380-0279	Ground light package TecNiq T440 4" LED - small.	1	
LIGHTS - DECK AND SCENE			
5390-0007	Deck/scene light circuit wiring through chassis reverse. Requires rear deck or scene light.	1	
5390-0215-457	Deck Lights - Optronics Model TLL44 (PR). Location: (1) each side of body rear facing up high.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0031	Pair of Cab Dome Large Lights mounted driver and officer side front. N/A on E-One Chassis. Required on Comm Chassis.	1	

Salescode	Extended Description	Qty	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
5110-0035	All 12 Volt electrical components and Multiplex box will be located in lower L1 back wall. The compartment depth will be limited by approximately 6".	1	
GENERATOR			
5250-0059	Generator Onan 15KW PTO. Single phase 120/240v. Includes PTO, driveshaft, main breaker, gauge panel, fast idle and frequency control for engine.	1	
GENERATOR TEST			
5255-0000	3rd party generator test without pump.	1	
BREAKER BOXES			
5200-0001-394	Breaker box 12 place single phase. Includes main breaker. Note: If gen is 6KW or less, main will occupy 2 places leaving 10 available. Locate L1 forward wall.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0183-000-17	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0442-000-17	International cab paint (by chassis OEM). Paint to match FLNA3225E-1 Red.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
GRAPHICS			
8400-0067	E-ONE logo with grey backing on M6 series vertical tail light housing (PR).	1	
WARRANTY / STANDARD & EXTENDED			
9100-0000	Standard 1 Year Warranty.	1	

Salescode	Extended Description	Qty	1
WARRANTY / STANDARD & EXTENDED			
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint. Fire Apparatus	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	
LIGHT TOWER			
5460-0064	Night Scan Chief NS1.8-6000OPT light tower with four 1500 watt 230 volt FRC Optimum quartz light heads. Control to be located next to the breaker box. Requires air brakes or air system and auxiliary air tank. Tower to be located rear cab roof mounted side to side and hinged to driver.	1	

ITEM #28
Non Walk-In Rescue
4-Door International

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
4-Door International Non Walk-In Rescue
Item #28

Quotation Number: 72784 Rev: 12

Unit Description: REHN-COMM

Quote Description: Heavy Rescue Non-Walk, Commercial Chassis Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
CHASSIS PREP			
1020-0011	Commercial Chassis Prep for E-1supplied International chassis	1	
FRAME ASSEMBLY			
1250-0011	Rear underbody support frame.	1	
TIRE OPTIONS			
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
AIR SYSTEM OPTIONS			
1110-0010-277	Air inlet. To charge brake system. Commercial chassis only. Location: driver's door step area.	1	
ENGINES & TRANSMISSIONS			
1200-0357	Cummins L9 engine, 300 HP @ 2000 RPM, 860 lb-ft Torque @ 1300 RPM, 2200 RPM Governed Speed	1	
CHASSIS OPTIONS			
1680-0011	Tow eyes rear below body, painted.	1	
1680-0078	Tow hooks front OEM. Not available with extended E-ONE installed front bumper. Tow hooks are OEM supplied with chassis.	1	
1680-0106	OEM chassis step package for International 4000 and 7000 series. Includes mounting plate for the battery charger receptacle and air inlet.	1	

Salescode	Extended Description	Qty	
CAB MODEL			
1500-0011	Four door Navistar 4400 4x2.	1	
CAB DOOR OPTIONS			
1550-0227	Reflective striping shall be installed on commercial cab doors, visible when the door is open, meeting NFPA requirement of 96 sq. in. coverage for each door.	1	
MISC EXTERIOR CAB OPTIONS			
1675-0007	Diesel fuel only label.	1	
SEATS			
1510-0151	Universal air pack bottle bracket installed (EA).	4	
1685-0032	Seating capacity tag of five occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0450	Center control console painted black Zolatone. Locate in cab between driver and officer. Includes area for NFPA siren, electrical, and in-cab controls (as applicable) switching.	1	
CAB ELECTRICAL OPTIONS			
1750-0024-277-04	Auto-Eject receptacle inlet 20 amp located driver's door step area with a Yellow cover.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
BODY SPEC			
3090-0009	Non Walk-in Rescue Body Spec EA	1	
RESCUE BODY LOWER			
3092-0010-027	Extend diamond plate floors out to door opening. Location is B1. Extruded aluminum.	1	
3092-0011	16' Non Walkin Rescue Body 3/3/5/3 EA	1	
RESCUE BODY UPPER			
3094-0000	Perimeter roof with officer side entrance, L shape catwalk. Extruded aluminum.	1	
3094-0003	Upper body height 15". Extruded aluminum.	1	
3094-0012	Roof compartments for 16' perimeter roof body. Extruded aluminum.	1	
RESCUE BODY REAR			
3096-0000	Rescue Rear Body Full Height Compartment B1	1	
3096-0004	10" Tailboard Bolt-On With Bracing Rescue	1	

Salescode	Extended Description	Qty	
BODY COMPT REAR			
3110-0028	Rear body panels to be painted smooth plate.	1	
RESCUE BODY OPTIONS			
3360-0013	Zico access ladder. Includes required step lights.	1	
3360-0020	Front body panels to be diamond plate.	1	
DOORS			
3300-0017-005	Door roll up short (up to 45") with satin finish ROM. Location(s): L3.	1	
3300-0017-017	Door roll up short (up to 45") with satin finish ROM. Location(s): R3.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-004	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L2.	1	
3300-0019-006	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L4.	1	
3300-0019-015	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R1.	1	
3300-0019-016	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R2.	1	
3300-0019-018	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R4.	1	
3300-0019-027	Door roll up tall (greater than 45") with satin finish ROM. Location(s): B1.	1	
SHELVES			
3370-0035-003	Shelf adjustable 1/2 depth in transverse compartment. Locate in L1.	2	
3370-0035-004	Shelf adjustable 1/2 depth in transverse compartment. Locate in L2.	2	
3370-0043	Unistrut. All exterior compartments on rescue body will have Unistrut in each compartment unless inapplicable.	1	
3370-0052-005	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L3.	3	
3370-0052-006	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L4.	3	
COMPARTMENT DIVIDERS			
3340-0166-003	Partition, bolt-in vertical partition wall. Locate in L1.	1	
3395-0001-003	Compartment instructions for L1.	1	Partition to be located 12in off FWD wall. Shelf Adjustable - Half Transverse to be located Rearward of Partition 1. Shelf Adjustable - Half Transverse to be located Rearward of Partition 1.
TRAYS / TOOLBOARDS			

Salescode	Extended Description	Qty	
TRAYS / TOOLBOARDS			
3380-0027-015	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R1 floor.	1	
3380-0027-016	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R2 floor.	1	
3380-0027-017	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R3 floor.	1	
3380-0027-018	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R4 floor.	1	
MISC BODY OPTIONS			
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
ELECTRICAL SYSTEMS			
5010-0014-G96	Vehicle data recorder for commercial cab - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: outboard on officer's side overhead console.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-339	VFD Text display for V-MUX electrical system. Location: center of dash.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0267	Light bar Whelen Justice model JE2NFPA 56" LED with clear lenses and MKEZ7 mounts. N/A on Vista roofs with front facing windows. Includes (4) red corner facing LIN6 LED lights, (6) forward facing CON3 Linear LED lights; (4) red, (2) white. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0483-B38-4U	Whelen C-Series model C6L Super LED lower level warning light package. Includes (10) light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, in rear wheelwell offset to front, and on tailboard mounted light box above rear tailboard.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			

Salescode	Extended Description	Qty	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-B13	The primary electronic siren control is to be located center console.	1	
SPEAKERS			
5510-0028	Speaker Federal Dynamax ES100. Located officer's side behind tow hook. Navistar 4400 chassis only.	1	
DOT LIGHTING			
5150-0007	Whelen 600 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and halogen back-up lights with vertical Cast 3 housing and weatherproof connectors.	1	
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0024	Marker light LED body package. Commercial rescue bodies only.	1	
5150-0032	Bracket license plate at rear of body.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0066	Compartment light package Federal Signal LED for large bodies.	1	
5380-0067	Ground light package Federal Signal LED - small.	1	
5380-0069	Step light package body Federal Signal LED - small.	1	
LIGHTS - DECK AND SCENE			
5390-0007	Deck/scene light circuit wiring through chassis reverse. Requires rear deck or scene light.	1	
5390-0008-457	Federal Signal GH scene lights (PR). Switch in cab (driver and officer side facing lights switched separately). Locate (1) each side of body rear facing up high.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0031	Pair of Cab Dome Large Lights mounted driver and officer side front. N/A on E-One Chassis. Required on Comm Chassis.	1	
5400-0032	Pair of Cab Dome Large Lights mounted driver and officer side Rear. N/A on E-One Chassis or two door commercial chassis. Required on Comm Chassis.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
5110-0035	All 12 Volt electrical components and Multiplex box will be located in lower L1 back wall. The compartment depth will be limited by approximately 6".	1	

Salescode	Extended Description	Qty	
GENERATOR			
5250-0059	Generator Onan 15KW PTO. Single phase 120/240v. Includes PTO, driveshaft, main breaker, gauge panel, fast idle and frequency control for engine.	1	
GENERATOR TEST			
5255-0000	3rd party generator test without pump.	1	
BREAKER BOXES			
5200-0001-394	Breaker box 12 place single phase. Includes main breaker. Note: If gen is 6KW or less, main will occupy 2 places leaving 10 available. Locate L1 forward wall.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0183-000-17	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0442-000-17	International cab paint (by chassis OEM). Paint to match FLNA3225E-1 Red.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
WARRANTY / STANDARD & EXTENDED			
9100-0000	Standard 1 Year Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	

Salescode	Extended Description	Qty	
LIGHT TOWER			
5460-0064	Night Scan Chief NS1.8-6000OPT light tower with four 1500 watt 230 volt FRC Optimum quartz light heads. Control to be located next to the breaker box. Requires air brakes or air system and auxiliary air tank.	1	

9300-0316

ITEM #28
Non Walk-In Rescue
4-Door Freightliner

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
4-Door Freightliner Non Walk-In Rescue
Item #28

Quotation Number: 90545 Rev: 4

Unit Description: REHN-COMM

Quote Description: Heavy Rescue Non-Walk, Commercial Chassis Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
CHASSIS PREP			
1020-0010	Comm Chassis Prep E-1 supplied Freightliner.	1	
FRAME ASSEMBLY			
1250-0011	Rear underbody support frame.	1	
TIRE OPTIONS			
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
AIR SYSTEM OPTIONS			
1110-0010-277	Air inlet. To charge brake system. Commercial chassis only. Location: driver's door step area.	1	
ENGINES & TRANSMISSIONS			
1200-0357	Cummins L9 engine, 300 HP @ 2000 RPM, 860 lb-ft Torque @ 1300 RPM, 2200 RPM Governed Speed	1	
CHASSIS OPTIONS			
1680-0011	Tow eyes rear below body, painted.	1	
1680-0078	Tow hooks front OEM. Not available with extended E-ONE installed front bumper. Tow hooks are OEM supplied with chassis.	1	
1680-0104	OEM chassis step package for Freightliner M2 series. Includes mounting plate for the battery charger receptacle and air inlet.	1	

Salescode	Extended Description	Qty	
CAB MODEL			
1500-0009	Four door Freightlner M2 106 4x2.	1	
CAB DOOR OPTIONS			
1550-0227	Reflective striping shall be installed on commercial cab doors, visible when the door is open, meeting NFPA requirement of 96 sq. in. coverage for each door.	1	
MISC EXTERIOR CAB OPTIONS			
1675-0007	Diesel fuel only label.	1	
SEATS			
1510-0151	Universal air pack bottle bracket installed (EA).	4	
1685-0032	Seating capacity tag of five occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0450	Center control console painted black Zolatone. Locate in cab between driver and officer. Includes area for NFPA siren, electrical, and in-cab controls (as applicable) switching.	1	
CAB ELECTRICAL OPTIONS			
1750-0024-277-04	Auto-Eject receptacle inlet 20 amp located driver's door step area with a Yellow cover.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
BODY SPEC			
3090-0009	Non Walk-in Rescue Body Spec EA	1	
RESCUE BODY LOWER			
3092-0010-027	Extend diamond plate floors out to door opening. Location is B1. Extruded aluminum.	1	
3092-0011	16' Non Walkin Rescue Body 3/3/5/3 EA	1	
RESCUE BODY UPPER			
3094-0000	Perimeter roof with officer side entrance, L shape catwalk. Extruded aluminum.	1	
3094-0003	Upper body height 15". Extruded aluminum.	1	
3094-0012	Roof compartments for 16' perimeter roof body. Extruded aluminum.	1	
RESCUE BODY REAR			
3096-0000	Rescue Rear Body Full Height Compartment B1	1	
3096-0004	10" Tailboard Bolt-On With Bracing Rescue	1	

Salescode	Extended Description	Qty	
BODY COMPT REAR			
3110-0028	Rear body panels to be painted smooth plate.	1	
RESCUE BODY OPTIONS			
3360-0013	Zico access ladder. Includes required step lights.	1	
3360-0020	Front body panels to be diamond plate.	1	
DOORS			
3300-0017-005	Door roll up short (up to 45") with satin finish ROM. Location(s): L3.	1	
3300-0017-017	Door roll up short (up to 45") with satin finish ROM. Location(s): R3.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-004	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L2.	1	
3300-0019-006	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L4.	1	
3300-0019-015	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R1.	1	
3300-0019-016	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R2.	1	
3300-0019-018	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R4.	1	
3300-0019-027	Door roll up tall (greater than 45") with satin finish ROM. Location(s): B1.	1	
SHELVES			
3370-0035-003	Shelf adjustable 1/2 depth in transverse compartment. Locate in L1.	2	
3370-0035-004	Shelf adjustable 1/2 depth in transverse compartment. Locate in L2.	2	
3370-0043	Unistrut. All exterior compartments on rescue body will have Unistrut in each compartment unless inapplicable.	1	
3370-0052-005	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L3.	3	
3370-0052-006	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L4.	3	
COMPARTMENT DIVIDERS			
3340-0166-003	Partition, bolt-in vertical partition wall. Locate in L1.	1	
3395-0001-003	Compartment instructions for L1.	1	Partition to be located 12in off FWD wall. Shelf Adjustable - Half Transverse to be located Rearward of Partition 1. Shelf Adjustable - Half Transverse to be located Rearward of Partition 1.
TRAYS / TOOLBOARDS			

Salescode	Extended Description	Qty	
TRAYS / TOOLBOARDS			
3380-0027-015	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R1 floor.	1	
3380-0027-016	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R2 floor.	1	
3380-0027-017	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R3 floor.	1	
3380-0027-018	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R4 floor.	1	
MISC BODY OPTIONS			
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
ELECTRICAL SYSTEMS			
5010-0014-G97	Vehicle data recorder for commercial cab - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: cab dash above transmission shift panel.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-339	VFD Text display for V-MUX electrical system. Location: center of dash.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0267	Light bar Whelen Justice model JE2NFPA 56" LED with clear lenses and MKEZ7 mounts. N/A on Vista roofs with front facing windows. Includes (4) red corner facing LIN6 LED lights, (6) forward facing CON3 Linear LED lights; (4) red, (2) white. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0483-B38-4U	Whelen C-Series model C6L Super LED lower level warning light package. Includes (10) light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, in rear wheelwell offset to front, and on tailboard mounted light box above rear tailboard.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			

Salescode	Extended Description	Qty	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-B13	The primary electronic siren control is to be located center console.	1	
SPEAKERS			
5510-0028	Speaker Federal Dynamax ES100. Located officer's side behind tow hook. Navistar 4400 chassis only.	1	
DOT LIGHTING			
5150-0007	Whelen 600 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and halogen back-up lights with vertical Cast 3 housing and weatherproof connectors.	1	
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0024	Marker light LED body package. Commercial rescue bodies only.	1	
5150-0032	Bracket license plate at rear of body.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0066	Compartment light package Federal Signal LED for large bodies.	1	
5380-0067	Ground light package Federal Signal LED - small.	1	
5380-0069	Step light package body Federal Signal LED - small.	1	
LIGHTS - DECK AND SCENE			
5390-0007	Deck/scene light circuit wiring through chassis reverse. Requires rear deck or scene light.	1	
5390-0008-457	Federal Signal GH scene lights (PR). Switch in cab (driver and officer side facing lights switched separately). Locate (1) each side of body rear facing up high.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0031	Pair of Cab Dome Large Lights mounted driver and officer side front. N/A on E-One Chassis. Required on Comm Chassis.	1	
5400-0032	Pair of Cab Dome Large Lights mounted driver and officer side Rear. N/A on E-One Chassis or two door commercial chassis. Required on Comm Chassis.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
5110-0035	All 12 Volt electrical components and Multiplex box will be located in lower L1 back wall. The compartment depth will be limited by approximately 6".	1	

Salescode	Extended Description	Qty	
GENERATOR			
5250-0059	Generator Onan 15KW PTO. Single phase 120/240v. Includes PTO, driveshaft, main breaker, gauge panel, fast idle and frequency control for engine.	1	
GENERATOR TEST			
5255-0000	3rd party generator test without pump.	1	
BREAKER BOXES			
5200-0001-394	Breaker box 12 place single phase. Includes main breaker. Note: If gen is 6KW or less, main will occupy 2 places leaving 10 available. Locate L1 forward wall.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0183-000-17	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0443-000-17	Freightliner cab paint (by chassis OEM). Paint to match FLNA3225E-1 Red.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
WARRANTY / STANDARD & EXTENDED			
9100-0000	Standard 1 Year Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	

Salescode	Extended Description	Qty	
LIGHT TOWER			
5460-0064	Night Scan Chief NS1.8-6000OPT light tower with four 1500 watt 230 volt FRC Optimum quartz light heads. Control to be located next to the breaker box. Requires air brakes or air system and auxiliary air tank.	1	

ITEM #29
Non Walk-In Rescue
MFD Typhoon

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Typhoon MFD Non Walk-In Rescue
Item #29

Quotation Number: 72785 Rev: 14

Unit Description: REHN-TYPH

Quote Description: Heavy Rescue Non-Walk, Typhoon Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3340-1137-12J	Equipment allowance on the apparatus shall be 6000 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
BUMPERS			
1160-0000	Bumper 10" stainless steel.	1	
1160-0011	4" Front Bumper Extension.	1	
FRAME ASSEMBLY			
1250-0011	Rear underbody support frame.	1	
1250-0080	Frame assembly with 10.25 x 3.5 x .375 powder coated galvanized rails.	1	
1250-0092	GEOMET coated frame assembly fasteners.	1	
AXLE OPTIONS			
1025-0016	Meritor RS-24-160 single rear axle 24,000 lb. capacity.	1	
1025-0029	Front shock absorbers.	1	
1025-0174	Meritor FL941 front axle 18,000 lb.	1	
SUSPENSIONS			
1070-0001	Rear suspension springs rated equal to the capacity of the axle.	1	
WHEEL OPTIONS			
1050-0007	Front axle wheel trim kit. Includes stainless steel lug nut covers (chrome plated	1	

Salescode	Extended Description	Qty	
WHEEL OPTIONS			
	plastic if applicable) and center cap with E-ONE logo. Note: Center cap will have an inspection port IPO a logo if equipped with Stemco oil seals.		
1050-0008	Rear axle (single) wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center cap with E-ONE logo. E-ONE custom chassis w/steel wheels will have chrome plated plastic lug covers.	1	
1050-0044	Accuride aluminum wheels for front axle (2).	1	
1050-0045	Accuride aluminum wheels for rear axle (4).	1	
TIRE OPTIONS			
1060-0001	Two Michelin 315 tires model XZA-1 for front axle.	1	
1060-0004	Four Michelin 11R tires model XZE2 highway tread for rear axle.	1	
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
BRAKE SYSTEMS			
1100-0000	16-1/2" x 6" S-cam brakes with ArvinMeritor automatic slack adjusters for front axle.	1	
1100-0002	ArvinMeritor 16-1/2" x 7" S-cam brakes with cast brake drums for a single rear axle.	1	
1100-0005	Brake system air 4X2/4X4.	1	
1100-0006	Parking brake release mounted on the driver's side lower dash.	1	
AIR SYSTEM OPTIONS			
1110-0000-001	Inlet for air system. Location: driver door jamb.	1	
1110-0002	Air dryer Bendix AD-9.	1	
1110-0006	Air lines nylon.	1	
1110-0027	Isolated air tank. Includes pressure protection valve.	1	
1110-0041	Air horns Grover recessed in bumper (PR).	1	
1110-0043	Auxiliary air tank to be plumbed to the following optional accessories (if equipped): Chassis air horns, brake system air outlet, air reel, light tower, air primer and or customer/dealer supplied pneumatic add-on(s).	1	
ENGINES & TRANSMISSIONS			
1200-0017	Push-button transmission shift selector.	1	
1200-0020	TransSynd synthetic transmission fluid for EVS3000.	1	
1200-0097	Electronic limiting of speed to 68 MPH maximum. Note: Max speed may be set at 65 MPH due to tire rating.	1	

Salescode	Extended Description	Qty	
ENGINES & TRANSMISSIONS			
1200-0338	Eng/Trans Cummins L9 350HP/EVS3000 2017 EPA compliant engine.	1	
SECONDARY BRAKING			
1125-0002	Jacobs engine compression brake.	1	
1125-0023	Transmission to seek second gear when Jacobs engine brake or Telma retarder is engaged. N/A with Trans retarder.	1	
COOLING PACKAGE			
1800-0013	Cooling system for use with Cyclone II X, Typhoon X, and Quest chassis. For use with 2010 - 2017 EPA engines. Includes coolant recovery system.	1	
FUEL SYSTEMS			
1350-0003	Fuel system 50 gallon.	1	
1350-0022	Fuel line hose rubber.	1	
ALTERNATOR			
1700-0003	Alternator Leece Neville 270 amp SAE, 240 amp NFPA rating.	1	
BATTERIES			
1400-0002	Battery four group 31 1000 CCA.	1	
CHASSIS OPTIONS			
1680-0005	Thermatic fan clutch.	1	
1680-0006	Drivelines 1710.	1	
1680-0011	Tow eyes rear below body, painted.	1	
1680-0042	Tow hooks front painted in the down position.	1	
1680-0250-M58	Diesel Exhaust Fluid (DEF) 5 gallon tank for 2013 / 2016 EPA engines. Location: left side below rear of cab.	1	
1680-0284	Radiator mounted power steering cooler.	1	
CAB MODEL			
1520-0013	Typhoon X medium cab with 58" CA	1	
CAB ROOF TYPE			
1615-0001	Vista full height rear doors, 12".	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	

Salescode	Extended Description	Qty	
GRILLE			
1620-0004	ABS chrome plated grille.	1	
CAB DOOR OPTIONS			
1550-0003	Rear crew cab doors in the medium position.	1	
1550-0005	Driver and officer cab door windows. Include forward vent windows.	1	
1550-0011	Rear crew cab door windows. Includes manual roll-down actuation. Not available on Typhoon or CII with paddle style door latching.	1	
1550-0016	Cab door panels ABS.	1	
1550-0025	All cab doors shall have "L" style exterior latches.	1	
1550-0027	Front cab door windows to have manual actuation.	1	
1550-0037-659	(4) Incandescent cab step area lighting. Locate each light in on each cab door in the inboard position. Lights to be switched with door ajar.	1	
1550-0044	All cab door kick plates to be made from diamond plate aluminum.	1	
1550-0059-000-G6	Reflective Red/Lemon Yellow printed striping positioned in the "A" formation located on the cab door panels.	1	
1550-0077	Interior cab door locks - manual. Will have manual actuation from each respective door. Includes barrel style key lock on each exterior cab door.	1	
1550-0084	All cab exterior access doors to have 1250 keyed locks.	1	
MIRRORS			
1670-0003	Velvac 2010 mirrors. Door mounted west coast style with remote control and heat.	1	
MISC EXTERIOR CAB OPTIONS			
1550-0020	Windows cab side fixed driver's side.	1	
1550-0033	Windows cab side fixed officer's side.	1	
1675-0022	Pair of 18" handrails located just behind driver and officer front door one each side.	1	
1675-0024	Pair of 36" handrails located just behind driver and officer rear door (ALS doors if equipped) one each side.	1	
1675-0030	Mud flaps, front, black with E-ONE logo.	1	
1675-0047	Rear cab wall to be 3/16" aluminum diamond plate.	1	
1675-0202	Mounting plate for battery charger receptacle, indicator, air inlet, etc (if applicable). Plate to be removable brushed stainless steel.	1	
HVAC			
1515-0017	Air conditioning for the Typhoon X, CII X and Quest with Cummins ISC/ISL	1	

Salescode	Extended Description	Qty	
HVAC			
	engine and radiator mounted condenser.		
1515-0053	Controls for heating and air conditioning shall be located in the center dash area. (Lower area on Typhoon and CII with severe duty dash)	1	
SEATS			
1510-0003	Seats, Inc. brand 911 cab seats.	1	
1510-0007	Seat cover material vinyl.	1	
1510-0008	Seat color gray.	1	
1510-0035-147	Universal air pack bottle bracket (EA). Location: officer's seat.	1	
1510-0035-148	Universal air pack bottle bracket (EA). Location: rear facing driver's side.	1	
1510-0035-151	Universal air pack bottle bracket (EA). Location: inboard driver's side rear wall.	1	
1510-0035-152	Universal air pack bottle bracket (EA). Location: inboard officer's side rear wall.	1	
1510-0035-215	Universal air pack bottle bracket (EA). Location: rear facing officer's side.	1	
1510-0038	Driver seat 911 air ride.	1	
1510-0042	Officer seat to be 911 fixed SCBA.	1	
1510-0050	Rear facing 911 seat with SCBA driver's side.	1	
1510-0053	Rear facing 911 seat with SCBA officer's side.	1	
1510-0062	Two man bench centered on rear wall with 911 SCBA backs. Includes angled corners.	1	
1685-0033	Seating capacity tag of six occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0000	Cab interior gray. Does not include engine cover or seat color.	1	
1685-0005	Lexan sun visors, driver and officer's side overhead.	1	
1685-0168	ABS Dash package. Includes center and officer side dash, lower kick panels and "A" post covers.	1	
1685-0187	Severe duty engine cover, molded polyurethane.	1	
1685-0496	ABS overhead console. Includes front full width overhead, air conditioning plenum and rear facing blower.	1	
1685-0532	Stepped profile rear engine cover.	1	
CAB ELECTRICAL OPTIONS			
1750-0024-313-04	Auto-Eject receptacle inlet 20 amp located rear of body driver side with a Yellow cover.	1	
1750-0046-195	Cab Headlights. Position: lower.	1	

Salescode	Extended Description	Qty	
CAB ELECTRICAL OPTIONS			
1750-0072-592	12 VDC (or 24VDC) electrical outlet wired battery hot. Location: driver side dash.	1	
1750-0075	English dominant main cab gauge cluster.	1	
1750-0158	Dome Lts Red/White LED. Package includes two lights mounted in the front and two mounted in the rear of the cab. White light wired through door and light assembly switch. Red light through light assembly switch.	1	
1750-0198-A31	Battery charger to be located behind driver's seat.	1	
1750-0215-172	Turn signal Whelen M6 LED arrow amber pair located upper headlight bezel.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
1750-0435	Halogen cab headlights. TyphoonX, CIIX and QST2 only.	1	
1750-0449	Momentary DPF regeneration override switch.	1	
BODY SPEC			
3090-0009	Non Walk-in Rescue Body Spec EA	1	
RESCUE BODY LOWER			
3092-0010-027	Extend diamond plate floors out to door opening. Location is B1. Extruded aluminum.	1	
3092-0011	16' Non Walkin Rescue Body 3/3/5/3 EA	1	
RESCUE BODY UPPER			
3094-0000	Perimeter roof with officer side entrance, L shape catwalk. Extruded aluminum.	1	
3094-0003	Upper body height 15". Extruded aluminum.	1	
3094-0012	Roof compartments for 16' perimeter roof body. Extruded aluminum.	1	
RESCUE BODY REAR			
3096-0000	Rescue Rear Body Full Height Compartment B1	1	
3096-0004	10" Tailboard Bolt-On With Bracing Rescue	1	
BODY COMPT REAR			
3110-0027	Rear of body to have un-painted extrusions with un-painted smooth plate body panels or just unpainted smooth plate to facilitate rear body striping.	1	
RESCUE BODY OPTIONS			
3360-0013	Zico access ladder. Includes required step lights.	1	
3360-0020	Front body panels to be diamond plate.	1	
DOORS			

Salescode	Extended Description	Qty	
DOORS			
3300-0017-005	Door roll up short (up to 45") with satin finish ROM. Location(s): L3.	1	
3300-0017-017	Door roll up short (up to 45") with satin finish ROM. Location(s): R3.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-004	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L2.	1	
3300-0019-006	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L4.	1	
3300-0019-015	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R1.	1	
3300-0019-016	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R2.	1	
3300-0019-018	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R4.	1	
3300-0019-027	Door roll up tall (greater than 45") with satin finish ROM. Location(s): B1.	1	
SHELVES			
3370-0035-003	Shelf adjustable 1/2 depth in transverse compartment. Locate in L1.	2	
3370-0035-004	Shelf adjustable 1/2 depth in transverse compartment. Locate in L2.	2	
3370-0043	Unistrut. All exterior compartments on rescue body will have Unistrut in each compartment unless inapplicable.	1	
3370-0052-005	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L3.	3	
3370-0052-006	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L4.	3	
COMPARTMENT DIVIDERS			
3340-0166-003	Partition, bolt-in vertical partition wall. Locate in L1.	1	
3395-0001-003	Compartment instructions for L1.	1	Partition to be located 12in off FWD wall. Shelf Adjustable - Half Transverse to be located Rearward of Partition 1. Shelf Adjustable - Half Transverse to be located Rearward of Partition 1.
TRAYS / TOOLBOARDS			
3380-0027-015	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R1 floor.	1	
3380-0027-017	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R3 floor.	1	
3380-0027-018	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R4 floor.	1	
3380-0076-016	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: R2.	1	

Salescode	Extended Description	Qty	
MISC BODY OPTIONS			
3340-0058	Recessed fuel fill driver side wheel well.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0282-I06	Cab tilt switch and manual jack to be located: R1 low on forward wall.	1	
ELECTRICAL SYSTEMS			
5010-0013-Y83	Vehicle data recorder - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: inboard on driver's side overhead console.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-339	VFD Text display for V-MUX electrical system. Location: center of dash.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0504	Whelen MKEZ7 1.5" standard mount for front light bar (PR).	1	
5300-0506-000-4T	Front light bar LED color: Red with clear lenses (If applicable, includes side facing when colors are the same.)	1	
5300-0511	Light bar Whelen Freedom IV Model F4X7 72" with 8 LED modules. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0484-538-4U	Whelen Super LED lower level warning light package. Includes (8) C-Series model C6L light heads and (2) ION-T Series model TLI light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, in rear wheel well offset to front, and side facing at rear of body in rubrail if equipped. Note: ION-T Series light only available with clear lenses.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0015	Whelen model 295SLSA1 siren with microphone (replaced 295HFSA1).	1	
5500-0024-170	The primary electronic siren control is to be located center overhead.	1	
SPEAKERS			
5510-0049-209	Whelen SP123BMC electronic siren speaker recessed in front bumper. Location: driver side front bumper.	1	

Salescode	Extended Description	Qty	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0027	Marker light LED body/cab package. E-One custom cab and rescue bodies only.	1	
5150-0032	Bracket license plate at rear of body.	1	
5150-0102	Whelen M6 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical 3 light housing and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0010	Compartment light package incandescent for large bodies.	1	
5380-0035	Step light package body - large.	1	
5380-0279	Ground light package TecNiq T440 4" LED - small.	1	
LIGHTS - DECK AND SCENE			
5390-0007	Deck/scene light circuit wiring through chassis reverse. Requires rear deck or scene light.	1	
5390-0018-457	Whelen 600 series 26 degree scenelights (PR) with weatherproof connectors. Switch in cab (driver and officer side facing lights switched separately). Locate (1) each side of body rear facing up high.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
5100-0000-199	Foot switch to control air horns located officer's side.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
GENERATOR			
5250-0059	Generator Onan 15KW PTO. Single phase 120/240v. Includes PTO, driveshaft, main breaker, gauge panel, fast idle and frequency control for engine.	1	
GENERATOR TEST			
5255-0000	3rd party generator test without pump.	1	
BREAKER BOXES			
5200-0001-394	Breaker box 12 place single phase. Includes main breaker. Note: If gen is 6KW or less, main will occupy 2 places leaving 10 available. Locate L1 forward wall.	1	

Salescode	Extended Description	Qty	
LIGHT TOWERS			
5460-0064-521	Night Scan Chief NS1.8-6000OPT light tower with four 1500 watt 230 volt FRC Optimum quartz light heads. Control to be located next to the breaker box. Requires air brakes or air system and auxiliary air tank. Tower to be located rear cab roof mounted side to side and hinged to driver.	1	
MISC LOOSE EQUIPMENT			
7600-0016	Wheel chocks 44" NFPA compliant, pair (PR) of Zico SAC-44. Up to 44" diameter tires. Includes mounting brackets.	1	
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	
8100-0176-000-17	Paint E-ONE chassis cab - Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0183-000-17	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
INTERIOR PAINT			
8150-0011	The interior of the cab to be painted Zolatone gray.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
GRAPHICS			
8400-0067	E-ONE logo with grey backing on M6 series vertical tail light housing (PR).	1	
WARRANTY / STANDARD			
9100-0000	Standard 1 Year Warranty.	1	
9100-0003	Lifetime Frame Stuctural Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	

Salescode	Extended Description	Qty	
WARRANTY / STANDARD			
9100-0090	25 Year frame rail corrosion warranty. Includes liners (if equipped).	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0016	Approval Drawings-Standard.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	

ITEM #29
Non Walk-In Rescue
LFD Typhoon

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Typhoon LFD Non Walk-In Rescue
Item #30

Quotation Number: 90659 Rev: 3

Unit Description: REHN-TYPH

Quote Description: Heavy Rescue Non-Walk, Typhoon Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3340-1137-12J	Equipment allowance on the apparatus shall be 6000 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
BUMPERS			
1160-0000	Bumper 10" stainless steel.	1	
1160-0011	4" Front Bumper Extension.	1	
FRAME ASSEMBLY			
1250-0011	Rear underbody support frame.	1	
1250-0080	Frame assembly with 10.25 x 3.5 x .375 powder coated galvanized rails.	1	
1250-0092	GEOMET coated frame assembly fasteners.	1	
AXLE OPTIONS			
1025-0016	Meritor RS-24-160 single rear axle 24,000 lb. capacity.	1	
1025-0029	Front shock absorbers.	1	
1025-0174	Meritor FL941 front axle 18,000 lb.	1	
SUSPENSIONS			
1070-0001	Rear suspension springs rated equal to the capacity of the axle.	1	
WHEEL OPTIONS			
1050-0007	Front axle wheel trim kit. Includes stainless steel lug nut covers (chrome plated	1	

Salescode	Extended Description	Qty	
WHEEL OPTIONS			
	plastic if applicable) and center cap with E-ONE logo. Note: Center cap will have an inspection port IPO a logo if equipped with Stemco oil seals.		
1050-0008	Rear axle (single) wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center cap with E-ONE logo. E-ONE custom chassis w/steel wheels will have chrome plated plastic lug covers.	1	
1050-0044	Accuride aluminum wheels for front axle (2).	1	
1050-0045	Accuride aluminum wheels for rear axle (4).	1	
TIRE OPTIONS			
1060-0001	Two Michelin 315 tires model XZA-1 for front axle.	1	
1060-0004	Four Michelin 11R tires model XZE2 highway tread for rear axle.	1	
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
BRAKE SYSTEMS			
1100-0000	16-1/2" x 6" S-cam brakes with ArvinMeritor automatic slack adjusters for front axle.	1	
1100-0002	ArvinMeritor 16-1/2" x 7" S-cam brakes with cast brake drums for a single rear axle.	1	
1100-0005	Brake system air 4X2/4X4.	1	
1100-0006	Parking brake release mounted on the driver's side lower dash.	1	
AIR SYSTEM OPTIONS			
1110-0000-001	Inlet for air system. Location: driver door jamb.	1	
1110-0002	Air dryer Bendix AD-9.	1	
1110-0006	Air lines nylon.	1	
1110-0027	Isolated air tank. Includes pressure protection valve.	1	
1110-0041	Air horns Grover recessed in bumper (PR).	1	
1110-0043	Auxiliary air tank to be plumbed to the following optional accessories (if equipped): Chassis air horns, brake system air outlet, air reel, light tower, air primer and or customer/dealer supplied pneumatic add-on(s).	1	
ENGINES & TRANSMISSIONS			
1200-0017	Push-button transmission shift selector.	1	
1200-0020	TransSynd synthetic transmission fluid for EVS3000.	1	
1200-0097	Electronic limiting of speed to 68 MPH maximum. Note: Max speed may be set at 65 MPH due to tire rating.	1	

Salescode	Extended Description	Qty	
ENGINES & TRANSMISSIONS			
1200-0340	Eng/Trans Cummins L9 400HP/EVS3000 2017 EPA compliant engine.	1	
SECONDARY BRAKING			
1125-0002	Jacobs engine compression brake.	1	
1125-0023	Transmission to seek second gear when Jacobs engine brake or Telma retarder is engaged. N/A with Trans retarder.	1	
COOLING PACKAGE			
1800-0013	Cooling system for use with Cyclone II X, Typhoon X, and Quest chassis. For use with 2010 - 2017 EPA engines. Includes coolant recovery system.	1	
FUEL SYSTEMS			
1350-0003	Fuel system 50 gallon.	1	
1350-0022	Fuel line hose rubber.	1	
ALTERNATOR			
1700-0003	Alternator Leece Neville 270 amp SAE, 240 amp NFPA rating.	1	
BATTERIES			
1400-0002	Battery four group 31 1000 CCA.	1	
CHASSIS OPTIONS			
1680-0005	Thermatic fan clutch.	1	
1680-0006	Drivelines 1710.	1	
1680-0011	Tow eyes rear below body, painted.	1	
1680-0042	Tow hooks front painted in the down position.	1	
1680-0250-M58	Diesel Exhaust Fluid (DEF) 5 gallon tank for 2013 / 2016 EPA engines. Location: left side below rear of cab.	1	
1680-0284	Radiator mounted power steering cooler.	1	
CAB MODEL			
1520-0012	Typhoon X long cab with 67.5" CA	1	
CAB ROOF TYPE			
1615-0001	Vista full height rear doors, 12".	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	

Salescode	Extended Description	Qty	
GRILLE			
1620-0004	ABS chrome plated grille.	1	
CAB DOOR OPTIONS			
1550-0003	Rear crew cab doors in the medium position.	1	
1550-0005	Driver and officer cab door windows. Include forward vent windows.	1	
1550-0011	Rear crew cab door windows. Includes manual roll-down actuation. Not available on Typhoon or CII with paddle style door latching.	1	
1550-0016	Cab door panels ABS.	1	
1550-0025	All cab doors shall have "L" style exterior latches.	1	
1550-0027	Front cab door windows to have manual actuation.	1	
1550-0037-659	(4) Incandescent cab step area lighting. Locate each light in on each cab door in the inboard position. Lights to be switched with door ajar.	1	
1550-0044	All cab door kick plates to be made from diamond plate aluminum.	1	
1550-0059-000-G6	Reflective Red/Lemon Yellow printed striping positioned in the "A" formation located on the cab door panels.	1	
1550-0077	Interior cab door locks - manual. Will have manual actuation from each respective door. Includes barrel style key lock on each exterior cab door.	1	
1550-0084	All cab exterior access doors to have 1250 keyed locks.	1	
MIRRORS			
1670-0003	Velvac 2010 mirrors. Door mounted west coast style with remote control and heat.	1	
MISC EXTERIOR CAB OPTIONS			
1550-0020	Windows cab side fixed driver's side.	1	
1550-0033	Windows cab side fixed officer's side.	1	
1675-0022	Pair of 18" handrails located just behind driver and officer front door one each side.	1	
1675-0024	Pair of 36" handrails located just behind driver and officer rear door (ALS doors if equipped) one each side.	1	
1675-0030	Mud flaps, front, black with E-ONE logo.	1	
1675-0046	Rear cab wall to be smooth 3/16" aluminum plate. Cab wall to be finish painted to match the cab paint scheme.	1	
1675-0202	Mounting plate for battery charger receptacle, indicator, air inlet, etc (if applicable). Plate to be removable brushed stainless steel.	1	
HVAC			

Salescode	Extended Description	Qty	
HVAC			
1515-0017	Air conditioning for the Typhoon X, CII X and Quest with Cummins ISC/ISL engine and radiator mounted condenser.	1	
1515-0053	Controls for heating and air conditioning shall be located in the center dash area. (Lower area on Typhoon and CII with severe duty dash)	1	
SEATS			
1510-0003	Seats, Inc. brand 911 cab seats.	1	
1510-0007	Seat cover material vinyl.	1	
1510-0008	Seat color gray.	1	
1510-0035-147	Universal air pack bottle bracket (EA). Location: officer's seat.	1	
1510-0035-148	Universal air pack bottle bracket (EA). Location: rear facing driver's side.	1	
1510-0035-151	Universal air pack bottle bracket (EA). Location: inboard driver's side rear wall.	1	
1510-0035-152	Universal air pack bottle bracket (EA). Location: inboard officer's side rear wall.	1	
1510-0035-215	Universal air pack bottle bracket (EA). Location: rear facing officer's side.	1	
1510-0038	Driver seat 911 air ride.	1	
1510-0042	Officer seat to be 911 fixed SCBA.	1	
1510-0050	Rear facing 911 seat with SCBA driver's side.	1	
1510-0053	Rear facing 911 seat with SCBA officer's side.	1	
1510-0062	Two man bench centered on rear wall with 911 SCBA backs. Includes angled corners.	1	
1685-0033	Seating capacity tag of six occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0000	Cab interior gray. Does not include engine cover or seat color.	1	
1685-0005	Lexan sun visors, driver and officer's side overhead.	1	
1685-0168	ABS Dash package. Includes center and officer side dash, lower kick panels and "A" post covers.	1	
1685-0187	Severe duty engine cover, molded polyurethane.	1	
1685-0496	ABS overhead console. Includes front full width overhead, air conditioning plenum and rear facing blower.	1	
1685-0532	Stepped profile rear engine cover.	1	
CAB ELECTRICAL OPTIONS			
1750-0024-313-04	Auto-Eject receptacle inlet 20 amp located rear of body driver side with a Yellow cover.	1	

Salescode	Extended Description	Qty	
CAB ELECTRICAL OPTIONS			
1750-0046-195	Cab Headlights. Position: lower.	1	
1750-0072-592	12 VDC (or 24VDC) electrical outlet wired battery hot. Location: driver side dash.	1	
1750-0075	English dominant main cab gauge cluster.	1	
1750-0158	Dome Lts Red/White LED. Package includes two lights mounted in the front and two mounted in the rear of the cab. White light wired through door and light assembly switch. Red light through light assembly switch.	1	
1750-0198-A31	Battery charger to be located behind driver's seat.	1	
1750-0215-172	Turn signal Whelen M6 LED arrow amber pair located upper headlight bezel.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
1750-0435	Halogen cab headlights. TyphoonX, CIIX and QST2 only.	1	
1750-0449	Momentary DPF regeneration override switch.	1	
BODY SPEC			
3090-0009	Non Walk-in Rescue Body Spec EA	1	
RESCUE BODY LOWER			
3092-0010-027	Extend diamond plate floors out to door opening. Location is B1. Extruded aluminum.	1	
3092-0011	16' Non Walkin Rescue Body 3/3/5/3 EA	1	
RESCUE BODY UPPER			
3094-0000	Perimeter roof with officer side entrance, L shape catwalk. Extruded aluminum.	1	
3094-0003	Upper body height 15". Extruded aluminum.	1	
3094-0012	Roof compartments for 16' perimeter roof body. Extruded aluminum.	1	
RESCUE BODY REAR			
3096-0000	Rescue Rear Body Full Height Compartment B1	1	
3096-0004	10" Tailboard Bolt-On With Bracing Rescue	1	
BODY COMPT REAR			
3110-0027	Rear of body to have un-painted extrusions with un-painted smooth plate body panels or just unpainted smooth plate to facilitate rear body striping.	1	
RESCUE BODY OPTIONS			
3360-0013	Zico access ladder. Includes required step lights.	1	
3360-0020	Front body panels to be diamond plate.	1	

Salescode	Extended Description	Qty	
DOORS			
3300-0017-005	Door roll up short (up to 45") with satin finish ROM. Location(s): L3.	1	
3300-0017-017	Door roll up short (up to 45") with satin finish ROM. Location(s): R3.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-004	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L2.	1	
3300-0019-006	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L4.	1	
3300-0019-015	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R1.	1	
3300-0019-016	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R2.	1	
3300-0019-018	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R4.	1	
3300-0019-027	Door roll up tall (greater than 45") with satin finish ROM. Location(s): B1.	1	
SHELVES			
3370-0035-003	Shelf adjustable 1/2 depth in transverse compartment. Locate in L1.	2	
3370-0035-004	Shelf adjustable 1/2 depth in transverse compartment. Locate in L2.	2	
3370-0043	Unistrut. All exterior compartments on rescue body will have Unistrut in each compartment unless inapplicable.	1	
3370-0052-005	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L3.	3	
3370-0052-006	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L4.	3	
COMPARTMENT DIVIDERS			
3340-0166-003	Partition, bolt-in vertical partition wall. Locate in L1.	1	
3395-0001-003	Compartment instructions for L1.	1	Partition to be located 12in off FWD wall. Shelf Adjustable - Half Transverse to be located Rearward of Partition 1. Shelf Adjustable - Half Transverse to be located Rearward of Partition 1.
TRAYS / TOOLBOARDS			
3380-0027-015	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R1 floor.	1	
3380-0027-017	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R3 floor.	1	
3380-0027-018	Floor mounted SlideMaster with tray. Model SM3-SP. Single depth. Mount on R4 floor.	1	
3380-0076-016	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: R2.	1	

Salescode	Extended Description	Qty	
MISC BODY OPTIONS			
3340-0058	Recessed fuel fill driver side wheel well.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0282-I06	Cab tilt switch and manual jack to be located: R1 low on forward wall.	1	
ELECTRICAL SYSTEMS			
5010-0013-Y83	Vehicle data recorder - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: inboard on driver's side overhead console.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-339	VFD Text display for V-MUX electrical system. Location: center of dash.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0504	Whelen MKEZ7 1.5" standard mount for front light bar (PR).	1	
5300-0506-000-4T	Front light bar LED color: Red with clear lenses (If applicable, includes side facing when colors are the same.)	1	
5300-0511	Light bar Whelen Freedom IV Model F4X7 72" with 8 LED modules. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0484-538-4U	Whelen Super LED lower level warning light package. Includes (8) C-Series model C6L light heads and (2) ION-T Series model TLI light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, in rear wheel well offset to front, and side facing at rear of body in rubrail if equipped. Note: ION-T Series light only available with clear lenses.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0015	Whelen model 295SLSA1 siren with microphone (replaced 295HFSA1).	1	
5500-0024-170	The primary electronic siren control is to be located center overhead.	1	
SPEAKERS			
5510-0049-209	Whelen SP123BMC electronic siren speaker recessed in front bumper. Location: driver side front bumper.	1	

Salescode	Extended Description	Qty	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0027	Marker light LED body/cab package. E-One custom cab and rescue bodies only.	1	
5150-0032	Bracket license plate at rear of body.	1	
5150-0102	Whelen M6 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical 3 light housing and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0010	Compartment light package incandescent for large bodies.	1	
5380-0035	Step light package body - large.	1	
5380-0279	Ground light package TecNiq T440 4" LED - small.	1	
LIGHTS - DECK AND SCENE			
5390-0007	Deck/scene light circuit wiring through chassis reverse. Requires rear deck or scene light.	1	
5390-0018-457	Whelen 600 series 26 degree scenelights (PR) with weatherproof connectors. Switch in cab (driver and officer side facing lights switched separately). Locate (1) each side of body rear facing up high.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
5100-0000-199	Foot switch to control air horns located officer's side.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
GENERATOR			
5250-0059	Generator Onan 15KW PTO. Single phase 120/240v. Includes PTO, driveshaft, main breaker, gauge panel, fast idle and frequency control for engine.	1	
GENERATOR TEST			
5255-0000	3rd party generator test without pump.	1	
BREAKER BOXES			
5200-0001-394	Breaker box 12 place single phase. Includes main breaker. Note: If gen is 6KW or less, main will occupy 2 places leaving 10 available. Locate L1 forward wall.	1	

Salescode	Extended Description	Qty	
LIGHT TOWERS			
5460-0064-521	Night Scan Chief NS1.8-6000OPT light tower with four 1500 watt 230 volt FRC Optimum quartz light heads. Control to be located next to the breaker box. Requires air brakes or air system and auxiliary air tank. Tower to be located rear cab roof mounted side to side and hinged to driver.	1	
MISC LOOSE EQUIPMENT			
7600-0016	Wheel chocks 44" NFPA compliant, pair (PR) of Zico SAC-44. Up to 44" diameter tires. Includes mounting brackets.	1	
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0116	Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels.	1	
8100-0176-000-17	Paint E-ONE chassis cab - Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0183-000-17	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
INTERIOR PAINT			
8150-0011	The interior of the cab to be painted Zolatone gray.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
GRAPHICS			
8400-0067	E-ONE logo with grey backing on M6 series vertical tail light housing (PR).	1	
WARRANTY / STANDARD			
9100-0000	Standard 1 Year Warranty.	1	
9100-0003	Lifetime Frame Stuctural Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	

Salescode	Extended Description	Qty	
WARRANTY / STANDARD			
9100-0090	25 Year frame rail corrosion warranty. Includes liners (if equipped).	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0016	Approval Drawings-Standard.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	
Dealer Supplied Equipment			

ITEM #33
Walk-In Rescue International

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
International 2-Door
Walk-In Rescue

Quotation Number: 72788 Rev: 12

Unit Description: REHW-COMM

Quote Description: Heavy Rescue Walk-In, Commercial Chassis Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
CHASSIS PREP			
1020-0011	Commercial Chassis Prep for E-1supplied International chassis	1	
TIRE OPTIONS			
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
AIR SYSTEM OPTIONS			
1110-0010-277	Air inlet. To charge brake system. Commercial chassis only. Location: driver's door step area.	1	
ENGINES & TRANSMISSIONS			
1200-0357	Cummins L9 engine, 300 HP @ 2000 RPM, 860 lb-ft Torque @ 1300 RPM, 2200 RPM Governed Speed	1	
CHASSIS OPTIONS			
1680-0011	Tow eyes rear below body, painted.	1	
1680-0078	Tow hooks front OEM. Not available with extended E-ONE installed front bumper. Tow hooks are OEM supplied with chassis.	1	
1680-0322	Diamond plate trim package for a (2) door International. Includes a full length driver side and an officer side trim that will utilize pieces already supplied by the OEM. For use with SCR and DEF.	1	
CAB MODEL			

Salescode	Extended Description	Qty	
CAB MODEL			
1500-0010	Two door International 4400 4x2.	1	
CAB DOOR OPTIONS			
1550-0227	Reflective striping shall be installed on commercial cab doors, visible when the door is open, meeting NFPA requirement of 96 sq. in. coverage for each door.	1	
MISC EXTERIOR CAB OPTIONS			
1675-0007	Diesel fuel only label.	1	
SEATS			
1685-0012	Seating capacity tag of two occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0450	Center control console painted black Zolatone. Locate in cab between driver and officer. Includes area for NFPA siren, electrical, and in-cab controls (as applicable) switching.	1	
CAB ELECTRICAL OPTIONS			
1750-0024-277-04	Auto-Eject receptacle inlet 20 amp located driver's door step area with a Yellow cover.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
BODY SPEC			
3090-0008	Walk-in Rescue Body Spec	1	
RESCUE BODY UPPER			
3094-0002	Diamond plate flat roof. Extruded aluminum.	1	
3094-0078	The interior height of walk-in area is 75".	1	
RESCUE BODY REAR			
3096-0004	10" Tailboard Bolt-On With Bracing Rescue	1	
3096-0013	Rescue Rear Body Walk-In. Location: B1	1	
RESCUE BODY WALKIN			
3098-0022-027	Smooth plate entry door. Smooth plate entry door with sliding window will take the place of the B1 compartment opening. Includes overhead exit head bump pad and step well light.	1	
3098-0039	Counter top for walk-in rescue will be straight. Construction shall be aluminum with diamond plate counter top surface.	1	

Salescode	Extended Description	Qty	
RESCUE BODY WALKIN			
3098-0041	16' Walkin Rescue Body 5/5/5 EA	1	
BODY COMPT REAR			
3110-0028	Rear body panels to be painted smooth plate.	1	
RESCUE BODY OPTIONS			
3360-0020	Front body panels to be diamond plate.	1	
DOORS			
3300-0017-004	Door roll up short (up to 45") with satin finish ROM. Location(s): L2.	1	
3300-0017-016	Door roll up short (up to 45") with satin finish ROM. Location(s): R2.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-005	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L3.	1	
3300-0019-015	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R1.	1	
3300-0019-017	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R3.	1	
SHELVES			
3370-0043	Unistrut. All exterior compartments on rescue body will have Unistrut in each compartment unless inapplicable.	1	
3370-0052-003	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L1.	2	
3370-0052-004	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L2.	2	
3370-0052-005	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L3.	3	
3370-0052-016	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: R2.	3	
COMPARTMENT DIVIDERS			
3340-0166-003	Partition, bolt-in vertical partition wall. Locate in L1.	1	
3395-0001-003	Compartment instructions for L1.	1	Partition to be located 12in off FWD wall. Shelf Adjustable to be located Rearward of Partition 1. Shelf Adjustable to be located Rearward of Partition 1. Tray Floor - 500 lb. Capacity to be located Forward of Partition 1.
TRAYS / TOOLBOARDS			
3380-0076-003	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: L1.	1	

Salescode	Extended Description	Qty	
TRAYS / TOOLBOARDS			
3380-0076-004	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: L2.	1	
3380-0076-005	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: L3.	1	
3380-0076-015	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: R1.	1	
MISC BODY OPTIONS			
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
ELECTRICAL SYSTEMS			
5010-0014-G96	Vehicle data recorder for commercial cab - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: outboard on officer's side overhead console.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-339	VFD Text display for V-MUX electrical system. Location: center of dash.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0267	Light bar Whelen Justice model JE2NFPA 56" LED with clear lenses and MKEZ7 mounts. N/A on Vista roofs with front facing windows. Includes (4) red corner facing LIN6 LED lights, (6) forward facing CON3 Linear LED lights; (4) red, (2) white. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0483-B38-4U	Whelen C-Series model C6L Super LED lower level warning light package. Includes (10) light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, in rear wheelwell offset to front, and on tailboard mounted light box above rear tailboard.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-B13	The primary electronic siren control is to be located center console.	1	
SPEAKERS			

Salescode	Extended Description	Qty	
SPEAKERS			
5510-0028	Speaker Federal Dynamax ES100. Located officer's side behind tow hook. Navistar 4400 chassis only.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0024	Marker light LED body package. Commercial rescue bodies only.	1	
5150-0032	Bracket license plate at rear of body.	1	
5150-0059	Federal Signal QuadraFlare LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical Cast 3 housing and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0066	Compartment light package Federal Signal LED for large bodies.	1	
5380-0067	Ground light package Federal Signal LED - small.	1	
5380-0069	Step light package body Federal Signal LED - small.	1	
5380-0227-X13	A switch plate for interior lighting controls shall be located officer's side interior walkway wall adjacent to door opening. It shall accommodate a quantity of six (6) rocker switches. It will be illuminated and labeled per each switch's function.	1	
5380-0230-000-43	There will be a pair of Weldon #1010 series, 7-inch diameter 12 volt recessed incandescent lights with specific colored lenses RECESSED mounted into the ceiling of the walk-in body recessed in the ceiling using a poly mounting bezels. Each Lamp will be 7 inch round and be switched near the door opening. Light color will be Red/Clear.	4	
LIGHTS - DECK AND SCENE			
5390-0008-457	Federal Signal GH scene lights (PR). Switch in cab (driver and officer side facing lights switched separately). Locate (1) each side of body rear facing up high.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0031	Pair of Cab Dome Large Lights mounted driver and officer side front. N/A on E-One Chassis. Required on Comm Chassis.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
5110-0035	All 12 Volt electrical components and Multiplex box will be located in lower L1 back wall. The compartment depth will be limited by approximately 6".	1	
GENERATOR			

Salescode	Extended Description	Qty	
GENERATOR			
5250-0059	Generator Onan 15KW PTO. Single phase 120/240v. Includes PTO, driveshaft, main breaker, gauge panel, fast idle and frequency control for engine.	1	
GENERATOR TEST			
5255-0000	3rd party generator test without pump.	1	
BREAKER BOXES			
5200-0001-394	Breaker box 12 place single phase. Includes main breaker. Note: If gen is 6KW or less, main will occupy 2 places leaving 10 available. Locate L1 forward wall.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0183-000-17	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0442-000-17	International cab paint (by chassis OEM). Paint to match FLNA3225E-1 Red.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
WARRANTY / STANDARD			
9100-0000	Standard 1 Year Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	

Salescode	Extended Description	Qty	
LIGHT TOWER			
5460-0064	Night Scan Chief NS1.8-6000OPT light tower with four 1500 watt 230 volt FRC Optimum quartz light heads. Control to be located next to the breaker box. Requires air brakes or air system and auxiliary air tank. Tower to be located rear cab roof mounted side to side and hinged to driver.	1	

ITEM #33
Walk-In Rescue
Kenworth

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Kenworth 2-Door
Non Walk-In Rescue

Quotation Number: 90548 Rev: 4

Unit Description: REHW-COMM

Quote Description: Heavy Rescue Walk-In, Commercial Chassis Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
CHASSIS PREP			
1020-0011	Commercial Chassis Prep for E-1supplied International chassis	1	
TIRE OPTIONS			
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
AIR SYSTEM OPTIONS			
1110-0010-277	Air inlet. To charge brake system. Commercial chassis only. Location: driver's door step area.	1	
ENGINES & TRANSMISSIONS			
1200-0357	Cummins L9 engine, 300 HP @ 2000 RPM, 860 lb-ft Torque @ 1300 RPM, 2200 RPM Governed Speed	1	
CHASSIS OPTIONS			
1680-0011	Tow eyes rear below body, painted.	1	
1680-0078	Tow hooks front OEM. Not available with extended E-ONE installed front bumper. Tow hooks are OEM supplied with chassis.	1	
1680-0322	Diamond plate trim package for a (2) door International. Includes a full length driver side and an officer side trim that will utilize pieces already supplied by the OEM. For use with SCR and DEF.	1	
CAB MODEL			

Salescode	Extended Description	Qty	
CAB MODEL			
1500-0010	Two door International 4400 4x2.	1	
CAB DOOR OPTIONS			
1550-0227	Reflective striping shall be installed on commercial cab doors, visible when the door is open, meeting NFPA requirement of 96 sq. in. coverage for each door.	1	
MISC EXTERIOR CAB OPTIONS			
1675-0007	Diesel fuel only label.	1	
SEATS			
1685-0012	Seating capacity tag of two occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0450	Center control console painted black Zolatone. Locate in cab between driver and officer. Includes area for NFPA siren, electrical, and in-cab controls (as applicable) switching.	1	
CAB ELECTRICAL OPTIONS			
1750-0024-277-04	Auto-Eject receptacle inlet 20 amp located driver's door step area with a Yellow cover.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
BODY SPEC			
3090-0008	Walk-in Rescue Body Spec	1	
RESCUE BODY UPPER			
3094-0002	Diamond plate flat roof. Extruded aluminum.	1	
3094-0078	The interior height of walk-in area is 75".	1	
RESCUE BODY REAR			
3096-0004	10" Tailboard Bolt-On With Bracing Rescue	1	
3096-0013	Rescue Rear Body Walk-In. Location: B1	1	
RESCUE BODY WALKIN			
3098-0022-027	Smooth plate entry door. Smooth plate entry door with sliding window will take the place of the B1 compartment opening. Includes overhead exit head bump pad and step well light.	1	
3098-0039	Counter top for walk-in rescue will be straight. Construction shall be aluminum with diamond plate counter top surface.	1	

Salescode	Extended Description	Qty	
RESCUE BODY WALKIN			
3098-0041	16' Walkin Rescue Body 5/5/5 EA	1	
BODY COMPT REAR			
3110-0028	Rear body panels to be painted smooth plate.	1	
RESCUE BODY OPTIONS			
3360-0020	Front body panels to be diamond plate.	1	
DOORS			
3300-0017-004	Door roll up short (up to 45") with satin finish ROM. Location(s): L2.	1	
3300-0017-016	Door roll up short (up to 45") with satin finish ROM. Location(s): R2.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-005	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L3.	1	
3300-0019-015	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R1.	1	
3300-0019-017	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R3.	1	
SHELVES			
3370-0043	Unistrut. All exterior compartments on rescue body will have Unistrut in each compartment unless inapplicable.	1	
3370-0052-003	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L1.	2	
3370-0052-004	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L2.	2	
3370-0052-005	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L3.	3	
3370-0052-016	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: R2.	3	
COMPARTMENT DIVIDERS			
3340-0166-003	Partition, bolt-in vertical partition wall. Locate in L1.	1	
3395-0001-003	Compartment instructions for L1.	1	Partition to be located 12in off FWD wall. Shelf Adjustable to be located Rearward of Partition 1. Shelf Adjustable to be located Rearward of Partition 1. Tray Floor - 500 lb. Capacity to be located Forward of Partition 1.
TRAYS / TOOLBOARDS			
3380-0076-003	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: L1.	1	

Salescode	Extended Description	Qty	
TRAYS / TOOLBOARDS			
3380-0076-004	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: L2.	1	
3380-0076-005	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: L3.	1	
3380-0076-015	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: R1.	1	
MISC BODY OPTIONS			
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
ELECTRICAL SYSTEMS			
5010-0014-G96	Vehicle data recorder for commercial cab - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: outboard on officer's side overhead console.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-339	VFD Text display for V-MUX electrical system. Location: center of dash.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0267	Light bar Whelen Justice model JE2NFPA 56" LED with clear lenses and MKEZ7 mounts. N/A on Vista roofs with front facing windows. Includes (4) red corner facing LIN6 LED lights, (6) forward facing CON3 Linear LED lights; (4) red, (2) white. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0483-B38-4U	Whelen C-Series model C6L Super LED lower level warning light package. Includes (10) light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, in rear wheelwell offset to front, and on tailboard mounted light box above rear tailboard.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-B13	The primary electronic siren control is to be located center console.	1	
SPEAKERS			

Salescode	Extended Description	Qty	
SPEAKERS			
5510-0028	Speaker Federal Dynamax ES100. Located officer's side behind tow hook. Navistar 4400 chassis only.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0024	Marker light LED body package. Commercial rescue bodies only.	1	
5150-0032	Bracket license plate at rear of body.	1	
5150-0059	Federal Signal QuadraFlare LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical Cast 3 housing and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0066	Compartment light package Federal Signal LED for large bodies.	1	
5380-0067	Ground light package Federal Signal LED - small.	1	
5380-0069	Step light package body Federal Signal LED - small.	1	
5380-0227-X13	A switch plate for interior lighting controls shall be located officer's side interior walkway wall adjacent to door opening. It shall accommodate a quantity of six (6) rocker switches. It will be illuminated and labeled per each switch's function.	1	
5380-0230-000-43	There will be a pair of Weldon #1010 series, 7-inch diameter 12 volt recessed incandescent lights with specific colored lenses RECESSED mounted into the ceiling of the walk-in body recessed in the ceiling using a poly mounting bezels. Each Lamp will be 7 inch round and be switched near the door opening. Light color will be Red/Clear.	4	
LIGHTS - DECK AND SCENE			
5390-0008-457	Federal Signal GH scene lights (PR). Switch in cab (driver and officer side facing lights switched separately). Locate (1) each side of body rear facing up high.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0031	Pair of Cab Dome Large Lights mounted driver and officer side front. N/A on E-One Chassis. Required on Comm Chassis.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
5110-0035	All 12 Volt electrical components and Multiplex box will be located in lower L1 back wall. The compartment depth will be limited by approximately 6".	1	
GENERATOR			

Salescode	Extended Description	Qty	
GENERATOR			
5250-0059	Generator Onan 15KW PTO. Single phase 120/240v. Includes PTO, driveshaft, main breaker, gauge panel, fast idle and frequency control for engine.	1	
GENERATOR TEST			
5255-0000	3rd party generator test without pump.	1	
BREAKER BOXES			
5200-0001-394	Breaker box 12 place single phase. Includes main breaker. Note: If gen is 6KW or less, main will occupy 2 places leaving 10 available. Locate L1 forward wall.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0183-000-17	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0442-000-17	International cab paint (by chassis OEM). Paint to match FLNA3225E-1 Red.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
WARRANTY / STANDARD			
9100-0000	Standard 1 Year Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	

Salescode	Extended Description	Qty	
Dealer Supplied Equipment			
5460-0064	Night Scan Chief NS1.8-6000OPT light tower with four 1500 watt 230 volt FRC Optimum quartz light heads. Control to be located next to the breaker box. Requires air brakes or air system and auxiliary air tank. Tower to be located rear cab roof mounted side to side and hinged to driver.	1	

ITEM #33
Walk-In Rescue
Freightliner

Fire Apparatus Quotation for:
ITEM #33
Freightliner 2-Door
Non Walk-In Rescue

Quotation Number: 90546 Rev: 5

Unit Description: REHW-COMM

Quote Description: Heavy Rescue Walk-In, Commercial Chassis Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
CHASSIS PREP			
1020-0010	Comm Chassis Prep E-1 supplied Freightliner.	1	
TIRE OPTIONS			
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
AIR SYSTEM OPTIONS			
1110-0010-277	Air inlet. To charge brake system. Commercial chassis only. Location: driver's door step area.	1	
ENGINES & TRANSMISSIONS			
1200-0357	Cummins L9 engine, 300 HP @ 2000 RPM, 860 lb-ft Torque @ 1300 RPM, 2200 RPM Governed Speed	1	
CHASSIS OPTIONS			
1680-0011	Tow eyes rear below body, painted.	1	
1680-0078	Tow hooks front OEM. Not available with extended E-ONE installed front bumper. Tow hooks are OEM supplied with chassis.	1	
1680-0110	Chassis Trim Package for a (2) door Freightliner series.	1	
CAB MODEL			
1500-0008	Two door Freightliner M2 106 4x2	1	

Salescode	Extended Description	Qty	
CAB DOOR OPTIONS			
1550-0227	Reflective striping shall be installed on commercial cab doors, visible when the door is open, meeting NFPA requirement of 96 sq. in. coverage for each door.	1	
MISC EXTERIOR CAB OPTIONS			
1675-0007	Diesel fuel only label.	1	
SEATS			
1685-0012	Seating capacity tag of two occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0450	Center control console painted black Zolatone. Locate in cab between driver and officer. Includes area for NFPA siren, electrical, and in-cab controls (as applicable) switching.	1	
CAB ELECTRICAL OPTIONS			
1750-0024-277-04	Auto-Eject receptacle inlet 20 amp located driver's door step area with a Yellow cover.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
BODY SPEC			
3090-0008	Walk-in Rescue Body Spec	1	
RESCUE BODY UPPER			
3094-0002	Diamond plate flat roof. Extruded aluminum.	1	
3094-0078	The interior height of walk-in area is 75".	1	
RESCUE BODY REAR			
3096-0004	10" Tailboard Bolt-On With Bracing Rescue	1	
3096-0013	Rescue Rear Body Walk-In. Location: B1	1	
RESCUE BODY WALKIN			
3098-0022-027	Smooth plate entry door. Smooth plate entry door with sliding window will take the place of the B1 compartment opening. Includes overhead exit head bump pad and step well light.	1	
3098-0039	Counter top for walk-in rescue will be straight. Construction shall be aluminum with diamond plate counter top surface.	1	
3098-0041	16' Walkin Rescue Body 5/5/5 EA	1	
BODY COMPT REAR			

Salescode	Extended Description	Qty	
BODY COMPT REAR			
3110-0028	Rear body panels to be painted smooth plate.	1	
RESCUE BODY OPTIONS			
3360-0020	Front body panels to be diamond plate.	1	
DOORS			
3300-0017-004	Door roll up short (up to 45") with satin finish ROM. Location(s): L2.	1	
3300-0017-016	Door roll up short (up to 45") with satin finish ROM. Location(s): R2.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-005	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L3.	1	
3300-0019-015	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R1.	1	
3300-0019-017	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R3.	1	
SHELVES			
3370-0043	Unistrut. All exterior compartments on rescue body will have Unistrut in each compartment unless inapplicable.	1	
3370-0052-003	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L1.	2	
3370-0052-004	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L2.	2	
3370-0052-005	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L3.	3	
3370-0052-016	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: R2.	3	
COMPARTMENT DIVIDERS			
3340-0166-003	Partition, bolt-in vertical partition wall. Locate in L1.	1	
3395-0001-003	Compartment instructions for L1.	1	Partition to be located 12in off FWD wall. Shelf Adjustable to be located Rearward of Partition 1. Shelf Adjustable to be located Rearward of Partition 1. Tray Floor - 500 lb. Capacity to be located Forward of Partition 1.
TRAYS / TOOLBOARDS			
3380-0076-003	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: L1.	1	
3380-0076-004	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: L2.	1	
3380-0076-005	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: L3.	1	

Salescode	Extended Description	Qty	
TRAYS / TOOLBOARDS			
3380-0076-015	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: R1.	1	
MISC BODY OPTIONS			
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
ELECTRICAL SYSTEMS			
5010-0014-G97	Vehicle data recorder for commercial cab - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: cab dash above transmission shift panel.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-339	VFD Text display for V-MUX electrical system. Location: center of dash.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0267	Light bar Whelen Justice model JE2NFPA 56" LED with clear lenses and MKEZ7 mounts. N/A on Vista roofs with front facing windows. Includes (4) red corner facing LIN6 LED lights, (6) forward facing CON3 Linear LED lights; (4) red, (2) white. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0483-B38-4U	Whelen C-Series model C6L Super LED lower level warning light package. Includes (10) light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, in rear wheelwell offset to front, and on tailboard mounted light box above rear tailboard.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-B13	The primary electronic siren control is to be located center console.	1	
SPEAKERS			
5510-0028	Speaker Federal Dynamax ES100. Located officer's side behind tow hook. Navistar 4400 chassis only.	1	
DOT LIGHTING			

Salescode	Extended Description	Qty	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0024	Marker light LED body package. Commercial rescue bodies only.	1	
5150-0032	Bracket license plate at rear of body.	1	
5150-0059	Federal Signal QuadraFlare LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical Cast 3 housing and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0066	Compartment light package Federal Signal LED for large bodies.	1	
5380-0067	Ground light package Federal Signal LED - small.	1	
5380-0069	Step light package body Federal Signal LED - small.	1	
5380-0227-X13	A switch plate for interior lighting controls shall be located officer's side interior walkway wall adjacent to door opening. It shall accommodate a quantity of six (6) rocker switches. It will be illuminated and labeled per each switch's function.	1	
5380-0230-000-43	There will be a pair of Weldon #1010 series, 7-inch diameter 12 volt recessed incandescent lights with specific colored lenses RECESSED mounted into the ceiling of the walk-in body recessed in the ceiling using a poly mounting bezels. Each Lamp will be 7 inch round and be switched near the door opening. Light color will be Red/Clear.	4	
LIGHTS - DECK AND SCENE			
5390-0008-457	Federal Signal GH scene lights (PR). Switch in cab (driver and officer side facing lights switched separately). Locate (1) each side of body rear facing up high.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0031	Pair of Cab Dome Large Lights mounted driver and officer side front. N/A on E-One Chassis. Required on Comm Chassis.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
5110-0035	All 12 Volt electrical components and Multiplex box will be located in lower L1 back wall. The compartment depth will be limited by approximately 6".	1	
GENERATOR			
5250-0059	Generator Onan 15KW PTO. Single phase 120/240v. Includes PTO, driveshaft, main breaker, gauge panel, fast idle and frequency control for engine.	1	
GENERATOR TEST			

Salescode	Extended Description	Qty	
GENERATOR TEST			
5255-0000	3rd party generator test without pump.	1	
BREAKER BOXES			
5200-0001-394	Breaker box 12 place single phase. Includes main breaker. Note: If gen is 6KW or less, main will occupy 2 places leaving 10 available. Locate L1 forward wall.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0183-000-17	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0443-000-17	Freightliner cab paint (by chassis OEM). Paint to match FLNA3225E-1 Red.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
WARRANTY / STANDARD			
9100-0000	Standard 1 Year Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	

ITEM #33
Walk-In Rescue
Peterbilt

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Peterbilt 2-Door
Walk-In Rescue

Quotation Number: 90549 Rev: 3

Unit Description: REHW-COMM

Quote Description: Heavy Rescue Walk-In, Commercial Chassis Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
CHASSIS PREP			
1020-0011	Commercial Chassis Prep for E-1supplied International chassis	1	
TIRE OPTIONS			
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
AIR SYSTEM OPTIONS			
1110-0010-277	Air inlet. To charge brake system. Commercial chassis only. Location: driver's door step area.	1	
ENGINES & TRANSMISSIONS			
1200-0357	Cummins L9 engine, 300 HP @ 2000 RPM, 860 lb-ft Torque @ 1300 RPM, 2200 RPM Governed Speed	1	
CHASSIS OPTIONS			
1680-0011	Tow eyes rear below body, painted.	1	
1680-0078	Tow hooks front OEM. Not available with extended E-ONE installed front bumper. Tow hooks are OEM supplied with chassis.	1	
1680-0322	Diamond plate trim package for a (2) door International. Includes a full length driver side and an officer side trim that will utilize pieces already supplied by the OEM. For use with SCR and DEF.	1	
CAB MODEL			

Salescode	Extended Description	Qty	
CAB MODEL			
1500-0010	Two door International 4400 4x2.	1	
CAB DOOR OPTIONS			
1550-0227	Reflective striping shall be installed on commercial cab doors, visible when the door is open, meeting NFPA requirement of 96 sq. in. coverage for each door.	1	
MISC EXTERIOR CAB OPTIONS			
1675-0007	Diesel fuel only label.	1	
SEATS			
1685-0012	Seating capacity tag of two occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0450	Center control console painted black Zolatone. Locate in cab between driver and officer. Includes area for NFPA siren, electrical, and in-cab controls (as applicable) switching.	1	
CAB ELECTRICAL OPTIONS			
1750-0024-277-04	Auto-Eject receptacle inlet 20 amp located driver's door step area with a Yellow cover.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
BODY SPEC			
3090-0008	Walk-in Rescue Body Spec	1	
RESCUE BODY UPPER			
3094-0002	Diamond plate flat roof. Extruded aluminum.	1	
3094-0078	The interior height of walk-in area is 75".	1	
RESCUE BODY REAR			
3096-0004	10" Tailboard Bolt-On With Bracing Rescue	1	
3096-0013	Rescue Rear Body Walk-In. Location: B1	1	
RESCUE BODY WALKIN			
3098-0022-027	Smooth plate entry door. Smooth plate entry door with sliding window will take the place of the B1 compartment opening. Includes overhead exit head bump pad and step well light.	1	
3098-0039	Counter top for walk-in rescue will be straight. Construction shall be aluminum with diamond plate counter top surface.	1	

Salescode	Extended Description	Qty	
RESCUE BODY WALKIN			
3098-0041	16' Walkin Rescue Body 5/5/5 EA	1	
BODY COMPT REAR			
3110-0028	Rear body panels to be painted smooth plate.	1	
RESCUE BODY OPTIONS			
3360-0020	Front body panels to be diamond plate.	1	
DOORS			
3300-0017-004	Door roll up short (up to 45") with satin finish ROM. Location(s): L2.	1	
3300-0017-016	Door roll up short (up to 45") with satin finish ROM. Location(s): R2.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-005	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L3.	1	
3300-0019-015	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R1.	1	
3300-0019-017	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R3.	1	
SHELVES			
3370-0043	Unistrut. All exterior compartments on rescue body will have Unistrut in each compartment unless inapplicable.	1	
3370-0052-003	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L1.	2	
3370-0052-004	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L2.	2	
3370-0052-005	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L3.	3	
3370-0052-016	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: R2.	3	
COMPARTMENT DIVIDERS			
3340-0166-003	Partition, bolt-in vertical partition wall. Locate in L1.	1	
3395-0001-003	Compartment instructions for L1.	1	Partition to be located 12in off FWD wall. Shelf Adjustable to be located Rearward of Partition 1. Shelf Adjustable to be located Rearward of Partition 1. Tray Floor - 500 lb. Capacity to be located Forward of Partition 1.
TRAYS / TOOLBOARDS			
3380-0076-003	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: L1.	1	

Salescode	Extended Description	Qty	
TRAYS / TOOLBOARDS			
3380-0076-004	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: L2.	1	
3380-0076-005	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: L3.	1	
3380-0076-015	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: R1.	1	
MISC BODY OPTIONS			
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
ELECTRICAL SYSTEMS			
5010-0014-G96	Vehicle data recorder for commercial cab - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: outboard on officer's side overhead console.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-339	VFD Text display for V-MUX electrical system. Location: center of dash.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0267	Light bar Whelen Justice model JE2NFPA 56" LED with clear lenses and MKEZ7 mounts. N/A on Vista roofs with front facing windows. Includes (4) red corner facing LIN6 LED lights, (6) forward facing CON3 Linear LED lights; (4) red, (2) white. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0483-B38-4U	Whelen C-Series model C6L Super LED lower level warning light package. Includes (10) light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, in rear wheelwell offset to front, and on tailboard mounted light box above rear tailboard.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-B13	The primary electronic siren control is to be located center console.	1	
SPEAKERS			

Salescode	Extended Description	Qty	
SPEAKERS			
5510-0028	Speaker Federal Dynamax ES100. Located officer's side behind tow hook. Navistar 4400 chassis only.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0024	Marker light LED body package. Commercial rescue bodies only.	1	
5150-0032	Bracket license plate at rear of body.	1	
5150-0059	Federal Signal QuadraFlare LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical Cast 3 housing and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0066	Compartment light package Federal Signal LED for large bodies.	1	
5380-0067	Ground light package Federal Signal LED - small.	1	
5380-0069	Step light package body Federal Signal LED - small.	1	
5380-0227-X13	A switch plate for interior lighting controls shall be located officer's side interior walkway wall adjacent to door opening. It shall accommodate a quantity of six (6) rocker switches. It will be illuminated and labeled per each switch's function.	1	
5380-0230-000-43	There will be a pair of Weldon #1010 series, 7-inch diameter 12 volt recessed incandescent lights with specific colored lenses RECESSED mounted into the ceiling of the walk-in body recessed in the ceiling using a poly mounting bezels. Each Lamp will be 7 inch round and be switched near the door opening. Light color will be Red/Clear.	4	
LIGHTS - DECK AND SCENE			
5390-0008-457	Federal Signal GH scene lights (PR). Switch in cab (driver and officer side facing lights switched separately). Locate (1) each side of body rear facing up high.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0031	Pair of Cab Dome Large Lights mounted driver and officer side front. N/A on E-One Chassis. Required on Comm Chassis.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
5110-0035	All 12 Volt electrical components and Multiplex box will be located in lower L1 back wall. The compartment depth will be limited by approximately 6".	1	
GENERATOR			

Salescode	Extended Description	Qty	
GENERATOR			
5250-0059	Generator Onan 15KW PTO. Single phase 120/240v. Includes PTO, driveshaft, main breaker, gauge panel, fast idle and frequency control for engine.	1	
GENERATOR TEST			
5255-0000	3rd party generator test without pump.	1	
BREAKER BOXES			
5200-0001-394	Breaker box 12 place single phase. Includes main breaker. Note: If gen is 6KW or less, main will occupy 2 places leaving 10 available. Locate L1 forward wall.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0183-000-17	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0442-000-17	International cab paint (by chassis OEM). Paint to match FLNA3225E-1 Red.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0330	Single NFPA Scotchlite Stripe - upto 6" wide and straight on cab and the body. Size, color and location as specified by the customer.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
WARRANTY / STANDARD & EXTENDED			
9100-0000	Standard 1 Year Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	

Salescode	Extended Description	Qty	
Dealer Supplied Equipment			
5460-0064	Night Scan Chief NS1.8-6000OPT light tower with four 1500 watt 230 volt FRC Optimum quartz light heads. Control to be located next to the breaker box. Requires air brakes or air system and auxiliary air tank. Tower to be located rear cab roof mounted side to side and hinged to driver.	1	

ITEM #34
Walk-In Rescue
4-Door International

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
International 4-Door
Walk-In Rescue

Quotation Number: 72789 Rev: 10

Unit Description: REHW-COMM

Quote Description: Heavy Rescue Walk-In, Commercial Chassis Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
CHASSIS PREP			
1020-0011	Commercial Chassis Prep for E-1supplied International chassis	1	
TIRE OPTIONS			
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
AIR SYSTEM OPTIONS			
1110-0010-277	Air inlet. To charge brake system. Commercial chassis only. Location: driver's door step area.	1	
ENGINES & TRANSMISSIONS			
1200-0357	Cummins L9 engine, 300 HP @ 2000 RPM, 860 lb-ft Torque @ 1300 RPM, 2200 RPM Governed Speed	1	
CHASSIS OPTIONS			
1680-0011	Tow eyes rear below body, painted.	1	
1680-0078	Tow hooks front OEM. Not available with extended E-ONE installed front bumper. Tow hooks are OEM supplied with chassis.	1	
1680-0323	Diamond plate trim package for a (4) door International. Includes a full length driver side and officer side trim that will utilize pieces already supplied by the OEM. For International cabs with SCR and DEF.	1	
CAB MODEL			

Salescode	Extended Description	Qty	
CAB MODEL			
1500-0011	Four door Navistar 4400 4x2.	1	
CAB DOOR OPTIONS			
1550-0227	Reflective striping shall be installed on commercial cab doors, visible when the door is open, meeting NFPA requirement of 96 sq. in. coverage for each door.	1	
MISC EXTERIOR CAB OPTIONS			
1675-0007	Diesel fuel only label.	1	
SEATS			
1510-0151	Universal air pack bottle bracket installed (EA).	4	
1685-0032	Seating capacity tag of five occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0450	Center control console painted black Zolatone. Locate in cab between driver and officer. Includes area for NFPA siren, electrical, and in-cab controls (as applicable) switching.	1	
CAB ELECTRICAL OPTIONS			
1750-0024-277-04	Auto-Eject receptacle inlet 20 amp located driver's door step area with a Yellow cover.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
BODY SPEC			
3090-0008	Walk-in Rescue Body Spec	1	
RESCUE BODY UPPER			
3094-0002	Diamond plate flat roof. Extruded aluminum.	1	
3094-0078	The interior height of walk-in area is 75".	1	
RESCUE BODY REAR			
3096-0004	10" Tailboard Bolt-On With Bracing Rescue	1	
3096-0013	Rescue Rear Body Walk-In. Location: B1	1	
RESCUE BODY WALKIN			
3098-0022-027	Smooth plate entry door. Smooth plate entry door with sliding window will take the place of the B1 compartment opening. Includes overhead exit head bump pad and step well light.	1	
3098-0039	Counter top for walk-in rescue will be straight. Construction shall be aluminum	1	

Salescode	Extended Description	Qty	
RESCUE BODY WALKIN			
	with diamond plate counter top surface.		
3098-0041	16' Walkin Rescue Body 5/5/5 EA	1	
BODY COMPT REAR			
3110-0028	Rear body panels to be painted smooth plate.	1	
RESCUE BODY OPTIONS			
3360-0020	Front body panels to be diamond plate.	1	
DOORS			
3300-0017-004	Door roll up short (up to 45") with satin finish ROM. Location(s): L2.	1	
3300-0017-016	Door roll up short (up to 45") with satin finish ROM. Location(s): R2.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-005	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L3.	1	
3300-0019-015	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R1.	1	
3300-0019-017	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R3.	1	
SHELVES			
3370-0043	Unistrut. All exterior compartments on rescue body will have Unistrut in each compartment unless inapplicable.	1	
3370-0052-003	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L1.	2	
3370-0052-004	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L2.	2	
3370-0052-005	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L3.	3	
3370-0052-016	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: R2.	3	
COMPARTMENT DIVIDERS			
3340-0166-003	Partition, bolt-in vertical partition wall. Locate in L1.	1	
3395-0001-003	Compartment instructions for L1.	1	Partition to be located 12in off FWD wall. Shelf Adjustable to be located Rearward of Partition 1. Shelf Adjustable to be located Rearward of Partition 1. Tray Floor - 500 lb. Capacity to be located Forward of Partition 1.
TRAYS / TOOLBOARDS			

Salescode	Extended Description	Qty	
TRAYS / TOOLBOARDS			
3380-0076-003	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: L1.	1	
3380-0076-004	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: L2.	1	
3380-0076-005	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: L3.	1	
3380-0076-015	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: R1.	1	
MISC BODY OPTIONS			
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
ELECTRICAL SYSTEMS			
5010-0014-G96	Vehicle data recorder for commercial cab - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: outboard on officer's side overhead console.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-339	VFD Text display for V-MUX electrical system. Location: center of dash.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0267	Light bar Whelen Justice model JE2NFPA 56" LED with clear lenses and MKEZ7 mounts. N/A on Vista roofs with front facing windows. Includes (4) red corner facing LIN6 LED lights, (6) forward facing CON3 Linear LED lights; (4) red, (2) white. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0483-B38-4U	Whelen C-Series model C6L Super LED lower level warning light package. Includes (10) light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, in rear wheelwell offset to front, and on tailboard mounted light box above rear tailboard.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-B13	The primary electronic siren control is to be located center console.	1	

Salescode	Extended Description	Qty	
SPEAKERS			
5510-0028	Speaker Federal Dynamax ES100. Located officer's side behind tow hook. Navistar 4400 chassis only.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0024	Marker light LED body package. Commercial rescue bodies only.	1	
5150-0032	Bracket license plate at rear of body.	1	
5150-0059	Federal Signal QuadraFlare LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical Cast 3 housing and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0066	Compartment light package Federal Signal LED for large bodies.	1	
5380-0067	Ground light package Federal Signal LED - small.	1	
5380-0069	Step light package body Federal Signal LED - small.	1	
5380-0227-X13	A switch plate for interior lighting controls shall be located officer's side interior walkway wall adjacent to door opening. It shall accommodate a quantity of six (6) rocker switches. It will be illuminated and labeled per each switch's function.	1	
5380-0230-000-43	There will be a pair of Weldon #1010 series, 7-inch diameter 12 volt recessed incandescent lights with specific colored lenses RECESSED mounted into the ceiling of the walk-in body recessed in the ceiling using a poly mounting bezels. Each Lamp will be 7 inch round and be switched near the door opening. Light color will be Red/Clear.	4	
LIGHTS - DECK AND SCENE			
5390-0008-457	Federal Signal GH scene lights (PR). Switch in cab (driver and officer side facing lights switched separately). Locate (1) each side of body rear facing up high.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0031	Pair of Cab Dome Large Lights mounted driver and officer side front. N/A on E-One Chassis. Required on Comm Chassis.	1	
5400-0032	Pair of Cab Dome Large Lights mounted driver and officer side Rear. N/A on E-One Chassis or two door commercial chassis. Required on Comm Chassis.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
5110-0035	All 12 Volt electrical components and Multiplex box will be located in lower L1	1	

Salescode	Extended Description	Qty	
MISC ELECTRICAL			
	back wall. The compartment depth will be limited by approximately 6".		
GENERATOR			
5250-0059	Generator Onan 15KW PTO. Single phase 120/240v. Includes PTO, driveshaft, main breaker, gauge panel, fast idle and frequency control for engine.	1	
GENERATOR TEST			
5255-0000	3rd party generator test without pump.	1	
BREAKER BOXES			
5200-0001-394	Breaker box 12 place single phase. Includes main breaker. Note: If gen is 6KW or less, main will occupy 2 places leaving 10 available. Locate L1 forward wall.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0183-000-17	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0442-000-17	International cab paint (by chassis OEM). Paint to match FLNA3225E-1 Red.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
WARRANTY / STANDARD & EXTENDED			
9100-0000	Standard 1 Year Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	

Salescode	Extended Description	Qty	
LIGHT TOWER			
5460-0064	Night Scan Chief NS1.8-6000OPT light tower with four 1500 watt 230 volt FRC Optimum quartz light heads. Control to be located next to the breaker box. Requires air brakes or air system and auxiliary air tank. Tower to be located rear cab roof mounted side to side and hinged to driver.	1	

ITEM #34
Walk-In Rescue
4-Door Freightliner

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Freightliner 4-Door
Walk-In Rescue

Quotation Number: 90550 Rev: 4

Unit Description: REHW-COMM

Quote Description: Heavy Rescue Walk-In, Commercial Chassis Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
CHASSIS PREP			
1020-0010	Comm Chassis Prep E-1 supplied Freightliner.	1	
TIRE OPTIONS			
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
AIR SYSTEM OPTIONS			
1110-0010-277	Air inlet. To charge brake system. Commercial chassis only. Location: driver's door step area.	1	
ENGINES & TRANSMISSIONS			
1200-0357	Cummins L9 engine, 300 HP @ 2000 RPM, 860 lb-ft Torque @ 1300 RPM, 2200 RPM Governed Speed	1	
CHASSIS OPTIONS			
1680-0011	Tow eyes rear below body, painted.	1	
1680-0078	Tow hooks front OEM. Not available with extended E-ONE installed front bumper. Tow hooks are OEM supplied with chassis.	1	
1680-0299	Trim Package to be used with 4 door Freightliner M2 series chassis.	1	
CAB MODEL			
1500-0009	Four door Freightlner M2 106 4x2.	1	

Salescode	Extended Description	Qty	
CAB DOOR OPTIONS			
1550-0227	Reflective striping shall be installed on commercial cab doors, visible when the door is open, meeting NFPA requirement of 96 sq. in. coverage for each door.	1	
MISC EXTERIOR CAB OPTIONS			
1675-0007	Diesel fuel only label.	1	
SEATS			
1510-0151	Universal air pack bottle bracket installed (EA).	4	
1685-0032	Seating capacity tag of five occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0450	Center control console painted black Zolatone. Locate in cab between driver and officer. Includes area for NFPA siren, electrical, and in-cab controls (as applicable) switching.	1	
CAB ELECTRICAL OPTIONS			
1750-0024-277-04	Auto-Eject receptacle inlet 20 amp located driver's door step area with a Yellow cover.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
BODY SPEC			
3090-0008	Walk-in Rescue Body Spec	1	
RESCUE BODY UPPER			
3094-0002	Diamond plate flat roof. Extruded aluminum.	1	
3094-0078	The interior height of walk-in area is 75".	1	
RESCUE BODY REAR			
3096-0004	10" Tailboard Bolt-On With Bracing Rescue	1	
3096-0013	Rescue Rear Body Walk-In. Location: B1	1	
RESCUE BODY WALKIN			
3098-0022-027	Smooth plate entry door. Smooth plate entry door with sliding window will take the place of the B1 compartment opening. Includes overhead exit head bump pad and step well light.	1	
3098-0039	Counter top for walk-in rescue will be straight. Construction shall be aluminum with diamond plate counter top surface.	1	
3098-0041	16' Walkin Rescue Body 5/5/5 EA	1	

Salescode	Extended Description	Qty	
BODY COMPT REAR			
3110-0028	Rear body panels to be painted smooth plate.	1	
RESCUE BODY OPTIONS			
3360-0020	Front body panels to be diamond plate.	1	
DOORS			
3300-0017-004	Door roll up short (up to 45") with satin finish ROM. Location(s): L2.	1	
3300-0017-016	Door roll up short (up to 45") with satin finish ROM. Location(s): R2.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-005	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L3.	1	
3300-0019-015	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R1.	1	
3300-0019-017	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R3.	1	
SHELVES			
3370-0043	Unistrut. All exterior compartments on rescue body will have Unistrut in each compartment unless inapplicable.	1	
3370-0052-003	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L1.	2	
3370-0052-004	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L2.	2	
3370-0052-005	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L3.	3	
3370-0052-016	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: R2.	3	
COMPARTMENT DIVIDERS			
3340-0166-003	Partition, bolt-in vertical partition wall. Locate in L1.	1	
3395-0001-003	Compartment instructions for L1.	1	Partition to be located 12in off FWD wall. Shelf Adjustable to be located Rearward of Partition 1. Shelf Adjustable to be located Rearward of Partition 1. Tray Floor - 500 lb. Capacity to be located Forward of Partition 1.
TRAYS / TOOLBOARDS			
3380-0076-003	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: L1.	1	
3380-0076-004	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: L2.	1	
3380-0076-005	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: L3.	1	

Salescode	Extended Description	Qty	
TRAYS / TOOLBOARDS			
3380-0076-015	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: R1.	1	
MISC BODY OPTIONS			
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
ELECTRICAL SYSTEMS			
5010-0014-G97	Vehicle data recorder for commercial cab - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: cab dash above transmission shift panel.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-339	VFD Text display for V-MUX electrical system. Location: center of dash.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0267	Light bar Whelen Justice model JE2NFPA 56" LED with clear lenses and MKEZ7 mounts. N/A on Vista roofs with front facing windows. Includes (4) red corner facing LIN6 LED lights, (6) forward facing CON3 Linear LED lights; (4) red, (2) white. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0483-B38-4U	Whelen C-Series model C6L Super LED lower level warning light package. Includes (10) light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, in rear wheelwell offset to front, and on tailboard mounted light box above rear tailboard.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0009	Federal PA300 electronic siren recessed mounted.	1	
5500-0024-B13	The primary electronic siren control is to be located center console.	1	
SPEAKERS			
5510-0028	Speaker Federal Dynamax ES100. Located officer's side behind tow hook. Navistar 4400 chassis only.	1	
DOT LIGHTING			

Salescode	Extended Description	Qty	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0024	Marker light LED body package. Commercial rescue bodies only.	1	
5150-0032	Bracket license plate at rear of body.	1	
5150-0059	Federal Signal QuadraFlare LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical Cast 3 housing and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0066	Compartment light package Federal Signal LED for large bodies.	1	
5380-0067	Ground light package Federal Signal LED - small.	1	
5380-0069	Step light package body Federal Signal LED - small.	1	
5380-0227-X13	A switch plate for interior lighting controls shall be located officer's side interior walkway wall adjacent to door opening. It shall accommodate a quantity of six (6) rocker switches. It will be illuminated and labeled per each switch's function.	1	
5380-0230-000-43	There will be a pair of Weldon #1010 series, 7-inch diameter 12 volt recessed incandescent lights with specific colored lenses RECESSED mounted into the ceiling of the walk-in body recessed in the ceiling using a poly mounting bezels. Each Lamp will be 7 inch round and be switched near the door opening. Light color will be Red/Clear.	4	
LIGHTS - DECK AND SCENE			
5390-0008-457	Federal Signal GH scene lights (PR). Switch in cab (driver and officer side facing lights switched separately). Locate (1) each side of body rear facing up high.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
5400-0031	Pair of Cab Dome Large Lights mounted driver and officer side front. N/A on E-One Chassis. Required on Comm Chassis.	1	
5400-0032	Pair of Cab Dome Large Lights mounted driver and officer side Rear. N/A on E-One Chassis or two door commercial chassis. Required on Comm Chassis.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
5110-0035	All 12 Volt electrical components and Multiplex box will be located in lower L1 back wall. The compartment depth will be limited by approximately 6".	1	
GENERATOR			
5250-0059	Generator Onan 15KW PTO. Single phase 120/240v. Includes PTO, driveshaft,	1	

Salescode	Extended Description	Qty	
LIGHT TOWER			
	main breaker, gauge panel, fast idle and frequency control for engine.		
GENERATOR TEST			
5255-0000	3rd party generator test without pump.	1	
BREAKER BOXES			
5200-0001-394	Breaker box 12 place single phase. Includes main breaker. Note: If gen is 6KW or less, main will occupy 2 places leaving 10 available. Locate L1 forward wall.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0183-000-17	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0443-000-17	Freightliner cab paint (by chassis OEM). Paint to match FLNA3225E-1 Red.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
WARRANTY / STANDARD			
9100-0000	Standard 1 Year Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	
LIGHT TOWER			

LIGHT TOWER			
5460-0064	Night Scan Chief NS1.8-6000OPT light tower with four 1500 watt 230 volt FRC Optimum quartz light heads. Control to be located next to the breaker box. Requires air brakes or air system and auxiliary air tank. Tower to be located rear cab roof mounted side to side and hinged to driver.	1	

ITEM #36
Walk-In Rescue
LFD Cyclone II

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Cyclone II LFD Walk-In Rescue
ITEM #35

Quotation Number: 72791 Rev: 6

Unit Description: REHW-CYC2

Quote Description: Heavy Rescue Walk-In, Cyclone II Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3340-1137-12J	Equipment allowance on the apparatus shall be 6000 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
BUMPERS			
1160-0000	Bumper 10" stainless steel.	1	
1160-0011	4" Front Bumper Extension.	1	
FRAME ASSEMBLY			
1250-0011	Rear underbody support frame.	1	
1250-0080	Frame assembly with 10.25 x 3.5 x .375 powder coated galvanized rails.	1	
1250-0092	GEOMET coated frame assembly fasteners.	1	
AXLE OPTIONS			
1025-0016	Meritor RS-24-160 single rear axle 24,000 lb. capacity.	1	
1025-0029	Front shock absorbers.	1	
1025-0174	Meritor FL941 front axle 18,000 lb.	1	
SUSPENSIONS			
1070-0001	Rear suspension springs rated equal to the capacity of the axle.	1	
WHEEL OPTIONS			
1050-0007	Front axle wheel trim kit. Includes stainless steel lug nut covers (chrome plated	1	

Salescode	Extended Description	Qty	
WHEEL OPTIONS			
	plastic if applicable) and center cap with E-ONE logo. Note: Center cap will have an inspection port IPO a logo if equipped with Stemco oil seals.		
1050-0008	Rear axle (single) wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center cap with E-ONE logo. E-ONE custom chassis w/steel wheels will have chrome plated plastic lug covers.	1	
1050-0044	Accuride aluminum wheels for front axle (2).	1	
1050-0045	Accuride aluminum wheels for rear axle (4).	1	
TIRE OPTIONS			
1060-0001	Two Michelin 315 tires model XZA-1 for front axle.	1	
1060-0004	Four Michelin 11R tires model XZE2 highway tread for rear axle.	1	
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
BRAKE SYSTEMS			
1100-0000	16-1/2" x 6" S-cam brakes with ArvinMeritor automatic slack adjusters for front axle.	1	
1100-0002	ArvinMeritor 16-1/2" x 7" S-cam brakes with cast brake drums for a single rear axle.	1	
1100-0005	Brake system air 4X2/4X4.	1	
1100-0006	Parking brake release mounted on the driver's side lower dash.	1	
AIR SYSTEM OPTIONS			
1110-0000-001	Inlet for air system. Location: driver door jamb.	1	
1110-0002	Air dryer Bendix AD-9.	1	
1110-0006	Air lines nylon.	1	
1110-0027	Isolated air tank. Includes pressure protection valve.	1	
1110-0041	Air horns Grover recessed in bumper (PR).	1	
1110-0043	Auxiliary air tank to be plumbed to the following optional accessories (if equipped): Chassis air horns, brake system air outlet, air reel, light tower, air primer and or customer/dealer supplied pneumatic add-on(s).	1	
ENGINES & TRANSMISSIONS			
1200-0017	Push-button transmission shift selector.	1	
1200-0020	TransSynd synthetic transmission fluid for EVS3000.	1	
1200-0097	Electronic limiting of speed to 68 MPH maximum. Note: Max speed may be set at 65 MPH due to tire rating.	1	

Salescode	Extended Description	Qty	
ENGINES & TRANSMISSIONS			
1200-0338	Eng/Trans Cummins L9 350HP/EVS3000 2017 EPA compliant engine.	1	
SECONDARY BRAKING			
1125-0002	Jacobs engine compression brake.	1	
1125-0023	Transmission to seek second gear when Jacobs engine brake or Telma retarder is engaged. N/A with Trans retarder.	1	
COOLING PACKAGE			
1800-0013	Cooling system for use with Cyclone II X, Typhoon X, and Quest chassis. For use with 2010 - 2017 EPA engines. Includes coolant recovery system.	1	
FUEL SYSTEMS			
1350-0003	Fuel system 50 gallon.	1	
1350-0022	Fuel line hose rubber.	1	
ALTERNATOR			
1700-0003	Alternator Leece Neville 270 amp SAE, 240 amp NFPA rating.	1	
BATTERIES			
1400-0002	Battery four group 31 1000 CCA.	1	
CHASSIS OPTIONS			
1680-0005	Thermatic fan clutch.	1	
1680-0006	Drivelines 1710.	1	
1680-0011	Tow eyes rear below body, painted.	1	
1680-0042	Tow hooks front painted in the down position.	1	
1680-0250-M58	Diesel Exhaust Fluid (DEF) 5 gallon tank for 2013 / 2016 EPA engines. Location: left side below rear of cab.	1	
1680-0284	Radiator mounted power steering cooler.	1	
CAB MODEL			
1520-0010	Cyclone II X long cab with 67.5" CA	1	
CAB ROOF TYPE			
1615-0001	Vista full height rear doors, 12".	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	

Salescode	Extended Description	Qty	
CAB DOOR OPTIONS			
1550-0003	Rear crew cab doors in the medium position.	1	
1550-0005	Driver and officer cab door windows. Include forward vent windows.	1	
1550-0011	Rear crew cab door windows. Includes manual roll-down actuation. Not available on Typhoon or CII with paddle style door latching.	1	
1550-0016	Cab door panels ABS.	1	
1550-0025	All cab doors shall have "L" style exterior latches.	1	
1550-0027	Front cab door windows to have manual actuation.	1	
1550-0037-659	(4) Incandescent cab step area lighting. Locate each light in on each cab door in the inboard position. Lights to be switched with door ajar.	1	
1550-0044	All cab door kick plates to be made from diamond plate aluminum.	1	
1550-0059-000-G6	Reflective Red/Lemon Yellow printed striping positioned in the "A" formation located on the cab door panels.	1	
1550-0077	Interior cab door locks - manual. Will have manual actuation from each respective door. Includes barrel style key lock on each exterior cab door.	1	
1550-0084	All cab exterior access doors to have 1250 keyed locks.	1	
MIRRORS			
1670-0003	Velvac 2010 mirrors. Door mounted west coast style with remote control and heat.	1	
MISC EXTERIOR CAB OPTIONS			
1550-0020	Windows cab side fixed driver's side.	1	
1550-0033	Windows cab side fixed officer's side.	1	
1675-0022	Pair of 18" handrails located just behind driver and officer front door one each side.	1	
1675-0024	Pair of 36" handrails located just behind driver and officer rear door (ALS doors if equipped) one each side.	1	
1675-0030	Mud flaps, front, black with E-ONE logo.	1	
1675-0202	Mounting plate for battery charger receptacle, indicator, air inlet, etc (if applicable). Plate to be removable brushed stainless steel.	1	
HVAC			
1515-0017	Air conditioning for the Typhoon X, CII X and Quest with Cummins ISC/ISL engine and radiator mounted condenser.	1	
1515-0053	Controls for heating and air conditioning shall be located in the center dash area. (Lower area on Typhoon and CII with severe duty dash)	1	

Salescode	Extended Description	Qty	
SEATS			
1510-0003	Seats, Inc. brand 911 cab seats.	1	
1510-0007	Seat cover material vinyl.	1	
1510-0008	Seat color gray.	1	
1510-0035-147	Universal air pack bottle bracket (EA). Location: officer's seat.	1	
1510-0035-148	Universal air pack bottle bracket (EA). Location: rear facing driver's side.	1	
1510-0035-151	Universal air pack bottle bracket (EA). Location: inboard driver's side rear wall.	1	
1510-0035-152	Universal air pack bottle bracket (EA). Location: inboard officer's side rear wall.	1	
1510-0035-215	Universal air pack bottle bracket (EA). Location: rear facing officer's side.	1	
1510-0038	Driver seat 911 air ride.	1	
1510-0042	Officer seat to be 911 fixed SCBA.	1	
1510-0050	Rear facing 911 seat with SCBA driver's side.	1	
1510-0053	Rear facing 911 seat with SCBA officer's side.	1	
1510-0062	Two man bench centered on rear wall with 911 SCBA backs. Includes angled corners.	1	
1685-0033	Seating capacity tag of six occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0000	Cab interior gray. Does not include engine cover or seat color.	1	
1685-0006	Padded sun visors, driver and officer's side overhead.	1	
1685-0168	ABS Dash package. Includes center and officer side dash, lower kick panels and "A" post covers.	1	
1685-0187	Severe duty engine cover, molded polyurethane.	1	
1685-0496	ABS overhead console. Includes front full width overhead, air conditioning plenum and rear facing blower.	1	
1685-0532	Stepped profile rear engine cover.	1	
CAB ELECTRICAL OPTIONS			
1750-0024-179-04	Auto-Eject receptacle inlet 20 amp located outside driver's door next to handrail with a Yellow cover.	1	
1750-0046-195	Cab Headlights. Position: lower.	1	
1750-0072-592	12 VDC (or 24VDC) electrical outlet wired battery hot. Location: driver side dash.	1	
1750-0075	English dominant main cab gauge cluster.	1	
1750-0198-A31	Battery charger to be located behind driver's seat.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	

Salescode	Extended Description	Qty	
CAB ELECTRICAL OPTIONS			
1750-0435	Halogen cab headlights. TyphoonX, CIIX and QST2 only.	1	
1750-0449	Momentary DPF regeneration override switch.	1	
1750-0651-172	Turn signal Whelen C-Series model C6T LED amber arrow pair located upper headlight bezel.	1	
5400-0037	Dome Lts Red/White Incandescent. Package includes two lights mounted in the front and two mounted in the rear of the cab. White light wire through door and light assembly mounted switch. Red light through light assembly mounted switch.	1	
BODY SPEC			
3090-0008	Walk-in Rescue Body Spec	1	
RESCUE BODY UPPER			
3094-0002	Diamond plate flat roof. Extruded aluminum.	1	
3094-0078	The interior height of walk-in area is 75".	1	
RESCUE BODY REAR			
3096-0004	10" Tailboard Bolt-On With Bracing Rescue	1	
3096-0013	Rescue Rear Body Walk-In. Location: B1	1	
RESCUE BODY WALKIN			
3098-0022-027	Smooth plate entry door. Smooth plate entry door with sliding window will take the place of the B1 compartment opening. Includes overhead exit head bump pad and step well light.	1	
3098-0039	Counter top for walk-in rescue will be straight. Construction shall be aluminum with diamond plate counter top surface.	1	
3098-0041	16' Walkin Rescue Body 5/5/5 EA	1	
BODY COMPT REAR			
3110-0028	Rear body panels to be painted smooth plate.	1	
RESCUE BODY OPTIONS			
3360-0020	Front body panels to be diamond plate.	1	
DOORS			
3300-0017-004	Door roll up short (up to 45") with satin finish ROM. Location(s): L2.	1	
3300-0017-016	Door roll up short (up to 45") with satin finish ROM. Location(s): R2.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	

Salescode	Extended Description	Qty	
DOORS			
3300-0019-005	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L3.	1	
3300-0019-015	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R1.	1	
3300-0019-017	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R3.	1	
SHELVES			
3370-0043	Unistrut. All exterior compartments on rescue body will have Unistrut in each compartment unless inapplicable.	1	
3370-0052-003	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L1.	2	
3370-0052-004	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L2.	3	
3370-0052-005	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L3.	2	
3370-0052-015	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: R1.	3	
COMPARTMENT DIVIDERS			
3340-0166-003	Partition, bolt-in vertical partition wall. Locate in L1.	1	
3395-0001-003	Compartment instructions for L1.	1	Partition to be located 12in off FWD wall. Shelf Adjustable to be located Rearward of Partition 1. Shelf Adjustable to be located Rearward of Partition 1. Tray Floor - 500 lb. Capacity to be located Rearward of Partition 1.
TRAYS / TOOLBOARDS			
3380-0076-003	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: L1.	1	
3380-0076-004	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: L2.	1	
3380-0076-005	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: L3.	1	
3380-0076-015	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: R1.	1	
MISC BODY OPTIONS			
3340-0058	Recessed fuel fill driver side wheel well.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	
3340-0282-I06	Cab tilt switch and manual jack to be located: R1 low on forward wall.	1	
ELECTRICAL SYSTEMS			
5010-0013-Y83	Vehicle data recorder - 2009 / 2016 NFPA compliant. Includes occupant detection	1	

Salescode	Extended Description	Qty	
ELECTRICAL SYSTEMS			
	with display. Display location: inboard on driver's side overhead console.		
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-339	VFD Text display for V-MUX electrical system. Location: center of dash.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0504	Whelen MKEZ7 1.5" standard mount for front light bar (PR).	1	
5300-0506-000-4T	Front light bar LED color: Red with clear lenses (If applicable, includes side facing when colors are the same.)	1	
5300-0644	Light bar Whelen Freedom IV Model F4R7 72" with 7 Rota-Beam and 2 LED modules. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0483-B38-4U	Whelen C-Series model C6L Super LED lower level warning light package. Includes (10) light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, in rear wheelwell offset to front, and on tailboard mounted light box above rear tailboard.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0015	Whelen model 295SLSA1 siren with microphone (replaced 295HFSA1).	1	
5500-0024-170	The primary electronic siren control is to be located center overhead.	1	
SPEAKERS			
5510-0029-209	Speaker, Federal Signal Dynamax ES100 with "E-ONE" grille through bumper. Location: driver side front bumper.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0027	Marker light LED body/cab package. E-One custom cab and rescue bodies only.	1	
5150-0032	Bracket license plate at rear of body.	1	
5150-0214	Whelen C6 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical chrome ABS 3 housing and weatherproof	1	

Salescode	Extended Description	Qty	
DOT LIGHTING			
	connectors.		
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0202	Step light package body EON LED - large.	1	
5380-0227-X13	A switch plate for interior lighting controls shall be located officer's side interior walkway wall adjacent to door opening. It shall accommodate a quantity of six (6) rocker switches. It will be illuminated and labeled per each switch's function.	1	
5380-0230-000-43	There will be a pair of Weldon #1010 series, 7-inch diameter 12 volt recessed incandescent lights with specific colored lenses RECESSED mounted into the ceiling of the walk-in body recessed in the ceiling using a poly mounting bezels. Each Lamp will be 7 inch round and be switched near the door opening. Light color will be Red/Clear.	4	
5380-0278	Compartment light package TecNiq T440 4" LED for large bodies.	1	
5380-0279	Ground light package TecNiq T440 4" LED - small.	1	
LIGHTS - DECK AND SCENE			
5390-0087-457	Whelen M6 Linear Super LED scene lights (PR). Switched in cab (lights mtd on the sides of apparatus to be switched separately). Locate (1) each side of body rear facing up high.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
5100-0000-199	Foot switch to control air horns located officer's side.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
GENERATOR			
5250-0059	Generator Onan 15KW PTO. Single phase 120/240v. Includes PTO, driveshaft, main breaker, gauge panel, fast idle and frequency control for engine.	1	
GENERATOR TEST			
5255-0000	3rd party generator test without pump.	1	
BREAKER BOXES			
5200-0001-394	Breaker box 12 place single phase. Includes main breaker. Note: If gen is 6KW or	1	

Salescode	Extended Description	Qty	
BREAKER BOXES			
	less, main will occupy 2 places leaving 10 available. Locate L1 forward wall.		
LIGHT TOWERS			
5460-0005-521	Night Scan Powerlite NS4.5-6000OPT light tower with four 1500 watt 230 volt Optimum quartz light heads. Control to be located next to the breaker box. Requires air brakes or air system and auxiliary air tank. Tower to be located rear cab roof mounted side to side and hinged to driver.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0176-000-17	Paint E-ONE chassis cab - Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0183-000-17	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
INTERIOR PAINT			
8150-0011	The interior of the cab to be painted Zolatone gray.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
WARRANTY / STANDARD			
9100-0000	Standard 1 Year Warranty.	1	
9100-0003	Lifetime Frame Stuctural Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
9100-0090	25 Year frame rail corrosion warranty. Includes liners (if equipped).	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	

Salescode	Extended Description	Qty	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0016	Approval Drawings-Standard.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	

ITEM #35
Walk-In Rescue
MFD Typhoon

Fire Apparatus Quotation for:
BUYBOARD COOPERATIVE PURCHASING
Typhoon MFD Walk-In Rescue

Quotation Number: 72790 Rev: 10

Unit Description: REHW-TYPH

Quote Description: Heavy Rescue Walk-In, Typhoon Chassis Salesperson:

Salescode	Extended Description	Qty	
TESTING COMPLIANCE STANDARD			
1001-0065	The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2016 edition.	1	
3090-0002	OAH. Unit has no overall height restrictions.	1	
3090-0004	OAL. Unit has no overall length restrictions.	1	
3340-1137-12J	Equipment allowance on the apparatus shall be 6000 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.	1	
BUMPERS			
1160-0000	Bumper 10" stainless steel.	1	
1160-0011	4" Front Bumper Extension.	1	
FRAME ASSEMBLY			
1250-0011	Rear underbody support frame.	1	
1250-0080	Frame assembly with 10.25 x 3.5 x .375 powder coated galvanized rails.	1	
1250-0092	GEOMET coated frame assembly fasteners.	1	
AXLE OPTIONS			
1025-0016	Meritor RS-24-160 single rear axle 24,000 lb. capacity.	1	
1025-0029	Front shock absorbers.	1	
1025-0174	Meritor FL941 front axle 18,000 lb.	1	
SUSPENSIONS			
1070-0001	Rear suspension springs rated equal to the capacity of the axle.	1	
WHEEL OPTIONS			
1050-0007	Front axle wheel trim kit. Includes stainless steel lug nut covers (chrome plated	1	

Salescode	Extended Description	Qty	
WHEEL OPTIONS			
	plastic if applicable) and center cap with E-ONE logo. Note: Center cap will have an inspection port IPO a logo if equipped with Stemco oil seals.		
1050-0008	Rear axle (single) wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center cap with E-ONE logo. E-ONE custom chassis w/steel wheels will have chrome plated plastic lug covers.	1	
1050-0044	Accuride aluminum wheels for front axle (2).	1	
1050-0045	Accuride aluminum wheels for rear axle (4).	1	
TIRE OPTIONS			
1060-0001	Two Michelin 315 tires model XZA-1 for front axle.	1	
1060-0004	Four Michelin 11R tires model XZE2 highway tread for rear axle.	1	
1060-0117	RWC AirGuard LED tire pressure monitoring valve stem caps (6) for single rear axle applications.	1	
BRAKE SYSTEMS			
1100-0000	16-1/2" x 6" S-cam brakes with ArvinMeritor automatic slack adjusters for front axle.	1	
1100-0002	ArvinMeritor 16-1/2" x 7" S-cam brakes with cast brake drums for a single rear axle.	1	
1100-0005	Brake system air 4X2/4X4.	1	
1100-0006	Parking brake release mounted on the driver's side lower dash.	1	
AIR SYSTEM OPTIONS			
1110-0000-001	Inlet for air system. Location: driver door jamb.	1	
1110-0002	Air dryer Bendix AD-9.	1	
1110-0006	Air lines nylon.	1	
1110-0027	Isolated air tank. Includes pressure protection valve.	1	
1110-0041	Air horns Grover recessed in bumper (PR).	1	
1110-0043	Auxiliary air tank to be plumbed to the following optional accessories (if equipped): Chassis air horns, brake system air outlet, air reel, light tower, air primer and or customer/dealer supplied pneumatic add-on(s).	1	
ENGINES & TRANSMISSIONS			
1200-0017	Push-button transmission shift selector.	1	
1200-0020	TransSynd synthetic transmission fluid for EVS3000.	1	
1200-0097	Electronic limiting of speed to 68 MPH maximum. Note: Max speed may be set at 65 MPH due to tire rating.	1	

Salescode	Extended Description	Qty	
ENGINES & TRANSMISSIONS			
1200-0338	Eng/Trans Cummins L9 350HP/EVS3000 2017 EPA compliant engine.	1	
SECONDARY BRAKING			
1125-0002	Jacobs engine compression brake.	1	
1125-0023	Transmission to seek second gear when Jacobs engine brake or Telma retarder is engaged. N/A with Trans retarder.	1	
COOLING PACKAGE			
1800-0013	Cooling system for use with Cyclone II X, Typhoon X, and Quest chassis. For use with 2010 - 2017 EPA engines. Includes coolant recovery system.	1	
FUEL SYSTEMS			
1350-0003	Fuel system 50 gallon.	1	
1350-0022	Fuel line hose rubber.	1	
ALTERNATOR			
1700-0003	Alternator Leece Neville 270 amp SAE, 240 amp NFPA rating.	1	
BATTERIES			
1400-0002	Battery four group 31 1000 CCA.	1	
CHASSIS OPTIONS			
1680-0005	Thermatic fan clutch.	1	
1680-0006	Drivelines 1710.	1	
1680-0011	Tow eyes rear below body, painted.	1	
1680-0042	Tow hooks front painted in the down position.	1	
1680-0250-M58	Diesel Exhaust Fluid (DEF) 5 gallon tank for 2013 / 2016 EPA engines. Location: left side below rear of cab.	1	
1680-0284	Radiator mounted power steering cooler.	1	
CAB MODEL			
1520-0013	Typhoon X medium cab with 58" CA	1	
CAB ROOF TYPE			
1615-0001	Vista full height rear doors, 12".	1	
CAB BADGE PACKAGE			
1610-0000	Cab and body to have applicable E-ONE logos.	1	

Salescode	Extended Description	Qty	
GRILLE			
1620-0004	ABS chrome plated grille.	1	
CAB DOOR OPTIONS			
1550-0003	Rear crew cab doors in the medium position.	1	
1550-0005	Driver and officer cab door windows. Include forward vent windows.	1	
1550-0011	Rear crew cab door windows. Includes manual roll-down actuation. Not available on Typhoon or CII with paddle style door latching.	1	
1550-0016	Cab door panels ABS.	1	
1550-0025	All cab doors shall have "L" style exterior latches.	1	
1550-0027	Front cab door windows to have manual actuation.	1	
1550-0037-659	(4) Incandescent cab step area lighting. Locate each light in on each cab door in the inboard position. Lights to be switched with door ajar.	1	
1550-0044	All cab door kick plates to be made from diamond plate aluminum.	1	
1550-0059-000-G6	Reflective Red/Lemon Yellow printed striping positioned in the "A" formation located on the cab door panels.	1	
1550-0077	Interior cab door locks - manual. Will have manual actuation from each respective door. Includes barrel style key lock on each exterior cab door.	1	
1550-0084	All cab exterior access doors to have 1250 keyed locks.	1	
MIRRORS			
1670-0003	Velvac 2010 mirrors. Door mounted west coast style with remote control and heat.	1	
MISC EXTERIOR CAB OPTIONS			
1550-0020	Windows cab side fixed driver's side.	1	
1550-0033	Windows cab side fixed officer's side.	1	
1675-0022	Pair of 18" handrails located just behind driver and officer front door one each side.	1	
1675-0024	Pair of 36" handrails located just behind driver and officer rear door (ALS doors if equipped) one each side.	1	
1675-0030	Mud flaps, front, black with E-ONE logo.	1	
1675-0202	Mounting plate for battery charger receptacle, indicator, air inlet, etc (if applicable). Plate to be removable brushed stainless steel.	1	
HVAC			
1515-0017	Air conditioning for the Typhoon X, CII X and Quest with Cummins ISC/ISL engine and radiator mounted condenser.	1	

Salescode	Extended Description	Qty	
HVAC			
1515-0053	Controls for heating and air conditioning shall be located in the center dash area. (Lower area on Typhoon and CII with severe duty dash)	1	
SEATS			
1510-0003	Seats, Inc. brand 911 cab seats.	1	
1510-0007	Seat cover material vinyl.	1	
1510-0008	Seat color gray.	1	
1510-0035-147	Universal air pack bottle bracket (EA). Location: officer's seat.	1	
1510-0035-148	Universal air pack bottle bracket (EA). Location: rear facing driver's side.	1	
1510-0035-151	Universal air pack bottle bracket (EA). Location: inboard driver's side rear wall.	1	
1510-0035-152	Universal air pack bottle bracket (EA). Location: inboard officer's side rear wall.	1	
1510-0035-215	Universal air pack bottle bracket (EA). Location: rear facing officer's side.	1	
1510-0038	Driver seat 911 air ride.	1	
1510-0042	Officer seat to be 911 fixed SCBA.	1	
1510-0050	Rear facing 911 seat with SCBA driver's side.	1	
1510-0053	Rear facing 911 seat with SCBA officer's side.	1	
1510-0062	Two man bench centered on rear wall with 911 SCBA backs. Includes angled corners.	1	
1685-0033	Seating capacity tag of six occupants.	1	
MISC INTERIOR CAB OPTIONS			
1685-0000	Cab interior gray. Does not include engine cover or seat color.	1	
1685-0006	Padded sun visors, driver and officer's side overhead.	1	
1685-0168	ABS Dash package. Includes center and officer side dash, lower kick panels and "A" post covers.	1	
1685-0187	Severe duty engine cover, molded polyurethane.	1	
1685-0496	ABS overhead console. Includes front full width overhead, air conditioning plenum and rear facing blower.	1	
1685-0532	Stepped profile rear engine cover.	1	
CAB ELECTRICAL OPTIONS			
1750-0024-179-04	Auto-Eject receptacle inlet 20 amp located outside driver's door next to handrail with a Yellow cover.	1	
1750-0046-195	Cab Headlights. Position: lower.	1	
1750-0072-592	12 VDC (or 24VDC) electrical outlet wired battery hot. Location: driver side dash.	1	

Salescode	Extended Description	Qty	
CAB ELECTRICAL OPTIONS			
1750-0075	English dominant main cab gauge cluster.	1	
1750-0198-A31	Battery charger to be located behind driver's seat.	1	
1750-0343	Battery charger E-ONE LPC 20. 120 volt inlet, 20 amp output.	1	
1750-0435	Halogen cab headlights. TyphoonX, CIIX and QST2 only.	1	
1750-0449	Momentary DPF regeneration override switch.	1	
1750-0651-172	Turn signal Whelen C-Series model C6T LED amber arrow pair located upper headlight bezel.	1	
5400-0037	Dome Lts Red/White Incandescent. Package includes two lights mounted in the front and two mounted in the rear of the cab. White light wire through door and light assembly mounted switch. Red light through light assembly mounted switch.	1	
BODY SPEC			
3090-0008	Walk-in Rescue Body Spec	1	
RESCUE BODY UPPER			
3094-0002	Diamond plate flat roof. Extruded aluminum.	1	
3094-0078	The interior height of walk-in area is 75".	1	
RESCUE BODY REAR			
3096-0004	10" Tailboard Bolt-On With Bracing Rescue	1	
3096-0013	Rescue Rear Body Walk-In. Location: B1	1	
RESCUE BODY WALKIN			
3098-0022-027	Smooth plate entry door. Smooth plate entry door with sliding window will take the place of the B1 compartment opening. Includes overhead exit head bump pad and step well light.	1	
3098-0039	Counter top for walk-in rescue will be straight. Construction shall be aluminum with diamond plate counter top surface.	1	
3098-0041	16' Walkin Rescue Body 5/5/5 EA	1	
BODY COMPT REAR			
3110-0028	Rear body panels to be painted smooth plate.	1	
RESCUE BODY OPTIONS			
3360-0020	Front body panels to be diamond plate.	1	
DOORS			

Salescode	Extended Description	Qty	
DOORS			
3300-0017-004	Door roll up short (up to 45") with satin finish ROM. Location(s): L2.	1	
3300-0017-016	Door roll up short (up to 45") with satin finish ROM. Location(s): R2.	1	
3300-0019-003	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L1.	1	
3300-0019-005	Door roll up tall (greater than 45") with satin finish ROM. Location(s): L3.	1	
3300-0019-015	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R1.	1	
3300-0019-017	Door roll up tall (greater than 45") with satin finish ROM. Location(s): R3.	1	
SHELVES			
3370-0043	Unistrut. All exterior compartments on rescue body will have Unistrut in each compartment unless inapplicable.	1	
3370-0052-003	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L1.	2	
3370-0052-004	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L2.	3	
3370-0052-005	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: L3.	2	
3370-0052-015	Adjustable shelf (J-Style) for non-transverse compartments 16" or greater in depth. Location: R1.	3	
COMPARTMENT DIVIDERS			
3340-0166-003	Partition, bolt-in vertical partition wall. Locate in L1.	1	
3395-0001-003	Compartment instructions for L1.	1	Partition to be located 12in off FWD wall. Shelf Adjustable to be located Rearward of Partition 1. Shelf Adjustable to be located Rearward of Partition 1. Tray Floor - 500 lb. Capacity to be located Rearward of Partition 1.
TRAYS / TOOLBOARDS			
3380-0076-003	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: L1.	1	
3380-0076-004	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: L2.	1	
3380-0076-005	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: L3.	1	
3380-0076-015	Tray, floor mounted roll-out with gas spring. 500 lbs. capacity. Location: R1.	1	
MISC BODY OPTIONS			
3340-0058	Recessed fuel fill driver side wheel well.	1	
3340-0093	Mud flaps, rear, black with E-ONE logo.	1	

Salescode	Extended Description	Qty	
MISC BODY OPTIONS			
3340-0282-I06	Cab tilt switch and manual jack to be located: R1 low on forward wall.	1	
ELECTRICAL SYSTEMS			
5010-0013-Y83	Vehicle data recorder - 2009 / 2016 NFPA compliant. Includes occupant detection with display. Display location: inboard on driver's side overhead console.	1	
5010-0036	V-MUX Electrical system for pumper / tanker / rescue.	1	
5010-0059-339	VFD Text display for V-MUX electrical system. Location: center of dash.	1	
5010-0094	Nanoprotech corrosion inhibiting spray coating to be applied on all exposed electrical connections.	1	
LIGHT BARS			
5300-0504	Whelen MKEZ7 1.5" standard mount for front light bar (PR).	1	
5300-0506-000-4T	Front light bar LED color: Red with clear lenses (If applicable, includes side facing when colors are the same.)	1	
5300-0644	Light bar Whelen Freedom IV Model F4R7 72" with 7 Rota-Beam and 2 LED modules. Location: Centered on the front cab roof.	1	
WARNING LIGHT PACKAGES			
5550-0483-B38-4U	Whelen C-Series model C6L Super LED lower level warning light package. Includes (10) light heads with bezels. Color: Red with red lenses. Locate side facing lights: at forward most position, in rear wheelwell offset to front, and on tailboard mounted light box above rear tailboard.	1	
WARNING LIGHTS			
5600-0078-479-06	Whelen Super LED beacon (PR) model L31H with Red domes. Location rear upper body on aerial style brackets.	1	
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1	
SIRENS			
5500-0015	Whelen model 295SLSA1 siren with microphone (replaced 295HFSA1).	1	
5500-0024-170	The primary electronic siren control is to be located center overhead.	1	
SPEAKERS			
5510-0029-209	Speaker, Federal Signal Dynamax ES100 with "E-ONE" grille through bumper. Location: driver side front bumper.	1	
DOT LIGHTING			
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1	
5150-0027	Marker light LED body/cab package. E-One custom cab and rescue bodies only.	1	

Salescode	Extended Description	Qty	
DOT LIGHTING			
5150-0032	Bracket license plate at rear of body.	1	
5150-0214	Whelen C6 series LED vertical mount tail lights. Includes LED stop/tail, arrow turn and back-up lights with vertical chrome ABS 3 housing and weatherproof connectors.	1	
LIGHTS - COMPARTMENT, STEP & GROUND			
5380-0010	Compartment light package incandescent for large bodies.	1	
5380-0035	Step light package body - large.	1	
5380-0227-X13	A switch plate for interior lighting controls shall be located officer's side interior walkway wall adjacent to door opening. It shall accommodate a quantity of six (6) rocker switches. It will be illuminated and labeled per each switch's function.	1	
5380-0230-000-43	There will be a pair of Weldon #1010 series, 7-inch diameter 12 volt recessed incandescent lights with specific colored lenses RECESSED mounted into the ceiling of the walk-in body recessed in the ceiling using a poly mounting bezels. Each Lamp will be 7 inch round and be switched near the door opening. Light color will be Red/Clear.	4	
5380-0279	Ground light package TecNiq T440 4" LED - small.	1	
LIGHTS - DECK AND SCENE			
5390-0152-457	Whelen 600 series gradient Super LED scene lights (PR) with weatherproof connectors. Switch in cab (driver and officer side lights switched separately). Locate (1) each side of body rear facing up high.	1	
LIGHTS - NON-WARNING			
5400-0003	Engine compartment light (EA).	1	
CONTROLS / SWITCHES			
5100-0000-198	Foot switch to control air horns located driver's side.	1	
5100-0000-199	Foot switch to control air horns located officer's side.	1	
MISC ELECTRICAL			
5110-0017	Back-up alarm 97 dB.	1	
GENERATOR			
5250-0059	Generator Onan 15KW PTO. Single phase 120/240v. Includes PTO, driveshaft, main breaker, gauge panel, fast idle and frequency control for engine.	1	
GENERATOR TEST			
5255-0000	3rd party generator test without pump.	1	

Salescode	Extended Description	Qty	
BREAKER BOXES			
5200-0001-394	Breaker box 12 place single phase. Includes main breaker. Note: If gen is 6KW or less, main will occupy 2 places leaving 10 available. Locate L1 forward wall.	1	
LIGHT TOWERS			
5460-0005-521	Night Scan Powerlite NS4.5-6000OPT light tower with four 1500 watt 230 volt Optimum quartz light heads. Control to be located next to the breaker box. Requires air brakes or air system and auxiliary air tank. Tower to be located rear cab roof mounted side to side and hinged to driver.	1	
MISC LOOSE EQUIPMENT			
7900-0014	DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	1	
EXTERIOR PAINT			
8100-0176-000-17	Paint E-ONE chassis cab - Sikkens paint. Color: FLNA3225E-1 Red.	1	
8100-0183-000-17	Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red.	1	
INTERIOR PAINT			
8150-0011	The interior of the cab to be painted Zolatone gray.	1	
STRIPING			
8300-0042	White rubrail scotchlite insert.	1	
8300-0084-000-72	Chevron "A" style 6" printed sheet Scotchlite striping full width on rear of body. Includes rear facing extrusions, panels and doors. Colors to be Yellow/Red.	1	
8300-0381	Yellow perimeter marking to indicate designated standing / walking areas above 48" high in compliance with 2016 NFPA 1901 consisting of individual Reflexite diamonds approximately 1" wide. Steps, ladders and areas with a railing or structure at least 12" high are excluded from this requirement.	1	
WARRANTY / STANDARD			
9100-0000	Standard 1 Year Warranty.	1	
9100-0003	Lifetime Frame Stuctural Warranty.	1	
9100-0004	10 Year/100,000 Mile Structural Warranty for Alum Cab / Body - Statement of Warranty.	1	
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1	
9100-0090	25 Year frame rail corrosion warranty. Includes liners (if equipped).	1	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			

Salescode	Extended Description	Qty	
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS			
9300-0009	Manuals, Operator and Service in digital format.	1	
9300-0016	Approval Drawings-Standard.	1	
9300-0316	Fire Apparatus Safety Guide published by FAMA, latest edition.	1	

ITEM #39
Brush Truck
Ford F550
2-Door

Lone Star Emergency Group

Note: Some equipment may change on chassis due to model year changes from Ford. Picture is for representation of a similar unit.

MANUFACTURER: Ford Motor Company

MODEL: 2018 F-550 Super Duty, 4 X 4

ENGINE: Gas Ford V-10

TRANSMISSION: 6-Speed Automatic with overdrive

FUEL & EXHAUST: Capacity – 40 USG
Exhaust Termination – Right Side

TIRES:
225/70R19.5G Traction All Season

WHEELS: 19.5 X 6.0, 8 Hole
Stainless Wheel Simulators

BRAKES: ABS Power 4-wheel-disc brakes front/rear
Foot activated parking brake

CAB EQUIPMENT:

2 door w/40/20/40 seat
XL Décor Package
Tilt Steering Wheel
Intermittent Wipers
Heat/Defroster
Air Conditioning
Tinted Glass
Gauges:

- Speedometer
- Fuel
- Odometer
- Oil Pressure
- Tachometer
- Voltage

AM/FM Stereo Radio
Black Electric Trailer tow mirrors
Dome Light
Vinyl Headliner
Driver & Passenger Air Bags
Power Steering

BUMPER:
Black Ranch Hand Heavy Duty with Grill guards, winch mount and tow hooks.

WINCH
Install a 15000# winch model in a permanent mount in the replacement bumper.

MISCELANEOUS
Skid Plates Ford factory
1.38" Front & Rear Shock Absorbers
Front & Rear Stabilizers
Noise Reduction Package
Engine block heater
4x4 standard shift
Ford Payload Plus Package
Heavy duty alt

Console

A console for radios, switches, siren, The console will be of polypropylene construction.

Fire Department Radio

A fire department radio shall be installed in the cab area. Radio head shall be mounted in the console and shall be of easy reach of the front seat occupants. coax antennas shall be installed on headache rack of the body and spaced min 12" from light bar. Radio and antennas shall be supplied by the fire dept. Final hook up by fire department radio tech.

STEP BARS
One Set of black round Step Bars shall be installed on the apparatus, 300 lbs. capacity.

BODY:

- Aluminum flatbed body – 108" in length X 96" in width
- 1" extruded aluminum flooring with 3" aluminum "I"-beams mounted on 16" centers
- 5" "C" channel aluminum mounting sills
- 2" aluminum square tubing headache rack with louvers in rear window
- aluminum light bar plate mounted on top of headache rack
- Aluminum smooth plate rear light skirt
- Dual work stations 24" X 24" with 40" gates to the rear of the headache rack.
- LED stop and turn and tail lights, reverse lights, and LED clearance lights (all rubber grommet mounted)
- 30" tall X 18" deep X 48" long aluminum diamond plate (.125") tool box with double pan doors, gas shocks, and T handle chrome latches mounted on passenger's side – 10" tall X

18” deep X 48” long aluminum punched storage basket mounted on top of compartment

- 30” tall X 18” deep X 48” long aluminum diamond plate (.125) tool box with double pan doors gas shocks, and T handle chrome latches mounted on driver’s side – 10” tall X 18” deep X 48” long aluminum punched storage basket mounted on top of compartment
- Rear storage compartment between frame rails with fold down door.
- Two (2) under body 18H” X 18” D X 24” W under body storage boxes with fold down doors.
- Slip resistant aluminum rear step bumper
- Tow hooks installed
- LED lighting inside all compartments to be placed above interior lip of compartment door
- Door ajar switches shall be placed on each cabinet door, lights on radio console indicating door open
- 1 -12-volt LED work light mounted illuminate pump area location TBD and 12-volt underbody LED lighting (1 per cab door, 2 total light).
- No exception

Water / Foam Tank

Water Tank shall be a 500-gallon polypropylene tank with a lifetime warranty. The tank will be constructed with these minimum requirements. Tank will be constructed of ½” thick polypropylene sheet stock. The material shall be a non-corrosive stresses relieved thermo-plastic and UV stabilized for maximum protection. The transverse swash partitions shall be manufactured of 3/8” polypropylene and extend approx. 4” off the floor to adjust under the cover. The longitudinal baffle partitions shall be manufactured of 3/8” polypropylene and extend from the floor of the tank through the cover to allow for positive welding and maximum integrity. All partitions shall be equipped with vent and air holes to permit movement of air and water between compartments. The partitions shall be designed to provide maximum water flow. All baffle partitions interlock with one another and are welded to each other as well as the walls of the tank. There shall be one sump per tank. The tank will have a combination vent and fill tower. The fill tower shall be constructed of 1/8” polypropylene and shall be a minimum dimension of 6”x 6” outer perimeter. The tower shall have a ¼” thick removable polypropylene screen and a polypropylene hinged type cover. Fill tower shall be placed as not to interfere with placement of hose reels on top of the tank. Tank will have runners built in for hose reel. Water tank shall also have a water site indicator built in out of the same construction material. Water site indicator will be of a clear nature and placed in an area as to see the water tank level clearly.

Hose Tray

Install Poly hose tray on the top of tank rear feed with 1.5” NH swivel to accommodate 150’ of 1.75 hose. Include Elkhart Phantom nozzle

PUMP UNIT:

Hale HPX200 midrange pump, Diesel.

Performance

The pump/engine shall be capable of meeting the NFPA 1906 Performance rating of 50 GPM @ 150 PSI. Typical pump performance from 5-foot draft at sea level shall be: 70 GPM @ 150 PSI, 150 GPM @ 100 PSI and 240 GPM @ 25 PSI.

Pump

The pump body shall be made of anodized alloy aluminum castings coupled together with a stainless-steel band clamp with an O-ring seal which allows quick pump volute removal for servicing. The pump end shall be factory hydrostatically tested to 300 PSI. The impeller shall be bronze. The renewable clearance rings shall be made of bronze to inhibit galvanic corrosion. The impeller shall be 8.75 inches (222.3 mm) in diameter and designed with a sleeve back end to prevent water from coming in contact with the engine shaft. The pump shaft seal shall be an automatically adjusting, maintenance free, mechanical type. The pump body shall be equipped with a petcock drain valve.

Priming

The pump shall be equipped with an exhaust venturi primer of brass and stainless-steel construction. The primer shall be capable of priming at 13 feet lift. The primer shall be actuated with a spring return, single control lever located at the operator's panel. The primer to pump line shall be equipped with an automatic check valve for priming from an open body of water and a manual shut -off for pumping from a pressurized water source.

Suction/Discharge

The suction and discharge ports shall be female pipe thread, designed and located to accept applicable hose thread adapters (3" NPT / 4" Victaulic Suction, 2.5" NPT Discharge flange.

Mounting Platform

The pump/engine shall be isolation mounted onto a steel base plate.

Instrumentation

The pump shall be supplied with a remote mounted control panel. This panel shall include a throttle lever, primer lever, master switch, starter button, choke control, a 2.5-inch liquid filled discharge gauge

Lighted control panel

STAINLESS STEEL PLUMBING SYSTEM

- The auxiliary fire pump plumbing system shall be built completely of stainless steel piping, fittings, and connections. Victaulic couplings shall be installed to permit flexing of the plumbing system and allow for quick removal of piping or valves for service. Tank

connections and remote plumbing shall use high-pressure flexible piping. Flexible hose couplings shall be threaded stainless steel or Victaulic connections.

- The fire pump and plumbing shall be hydrostatically tested.

VALVES

- All valves used in the plumbing installation shall be stainless steel quarter turn full flow type.

- The plumbing installation shall include quarter turn ball valves with local "on-valve" handle control.

HOSE THREADS

- The hose threads shall be National Hose Standard (NH) on all base threads on the apparatus intakes and discharges, unless otherwise specified.

TANK TO PUMP LINE INSTALLATION

- The 2.5" tank to pump line shall be installed with a flexible hump hose connection and stainless-steel clamps to the water tank. The valve shall be controlled with a manually operated handle directly on the valve.

WATER TANK FILL AND COOLING LINE

- One (1) 1" fire pump to water tank refill and bypass cooler line shall be provided. The pump to tank valve shall be a 1" full flow quarter turn ball valve with local control handle. A 1" flex hose shall be installed to the water tank.

2-1/2" DISCHARGE -- REAR

- One (1) 2-1/2" discharge shall be installed at the rear pump area, controlled by a quarter turn ball valve. The discharge shall have 2-1/2" NPT x 2-1/2" NH male hose threads. The discharge shall be equipped with 2-1/2" female x 1-1/2" Hard coated aluminum reducer, 1-1/2" cap and chain.

FRONT OF BODY DISCHARGES

- A 1.5" discharge shall be piped from the rear pump area to the front on the body and split into two (2) 1" discharges. A 1.5" master control valve shall be installed at the rear pump manifold area with direct control handle.
- The right and left sides of the front body area shall be equipped with two (2) manually operated 1" quarter turn ball valves for pre-connected 1" whip lines. The control valves shall be located at front of body (one each side) in walkway area of the body.

- Two (2) 1" x 10 feet long 300# working pressure hose whips with threaded couplings shall be installed at front of body, one each side, with securement device, Elkhart 1".

- **HOSE REEL** Two (2) Hannay steel hose reel (RED) shall be installed. The reel shall have leak proof ball bearing swing joint, adjustable friction brake, electric 12-volt rewind and manual crank rewind provisions. The reel shall be mounted on the right and left side rear corner.
  The hose reel shall have a capacity of 200 feet of lightweight hose. One (1) 1" discharge shall be piped from the fire pump to the hose reel with flexible high-pressure hose. The quarter turn ball valve shall be controlled on pump panel. Two (2) push buttons hose reel rewind control shall be installed adjacent the reel area. The hose reel and hose shall have 1" NH threads.

- **Nozzles and hose**

(2) Elkhart nozzles shall be supplied and 250' of lightweight reel hose.

Wrench set
Install a hydrant wrench and 2 spanner wrenches with holder near pump area.

ELECTRICAL
Wiring and battery cables are run the length of the body in 5/8" high temperature wire loom (-40F.to 300F) to the underside of the body. All 12-volt electrical equipment installed by the apparatus manufacturer will conform to modern automotive practices. All wiring will be high temperature crosslink type. Wiring will be run in loom or conduit where exposed and have grommets where wire passes through sheet metal. Automatic reset circuit breakers will be provided which conform to SAE Standards. Exterior exposed wire connectors will be positive locking, and environmentally sealed to withstand elements such as temperature extremes, moisture and automotive fluids. Electrical wiring and equipment will be installed utilizing the following guideline

(1) Any electrical component that is installed in an exposed area will be mounted in a manner that will not allow moisture to accumulate in it. Exposed area is defined as any location outside of the cab or body.

(3) Electrical components designed to be removed for maintenance will not be fastened with nuts and bolts. Metal screws will be used in mounting these devices. A coil of wire will be provided behind the appliance to allow them to be pulled away from mounting area for inspection and service work.

(4) Corrosion preventative compound will be applied to all terminal plugs located outside of the cab or body. All non-waterproof connections will require this compound in the plug to prevent corrosion and for easy separation (of the plug).

(5) All lights that have their sockets in a weather exposed area will have corrosion preventative compound added to the socket terminal area.

(6) All emergency light switches will be mounted on a separate panel installed in the cab. Individual switches will be provided to allow pre-selection of emergency lights. The light switches will be "rocker" type with an internal indicator light to show when switch is energized. All switches will be properly identified and mounted in a removable panel for ease in servicing.

Identification of the switches will be done by either printing or etching on the switch panel.

All lights and reflectors, required to comply with Federal Motor Vehicle Safety Standard #108, will be furnished. Rear identification lights will be recessed mounted for protection. Lights and wiring mounted in the rear bulkheads will be protected from damage

An operational test will be conducted to ensure that any equipment that is permanently attached to the electrical system is properly connected and in working order.

REAR LIGHTING

The rear stop/tail and directional lighting will consist of the following:

- four (4) red LED oval stop/tail/turn lights.
- Two (2) White oval LED backup lights.

All lights will be placed on the rear skirt of the apparatus

The four (4) clearance lights located at the rear will be installed per the following:

LED Clearance Lights with protective guard
To indicate the overall width of the vehicle.
One (1) each side of the vertical centerline.
All at the same height.
As near the top as practical.
To be visible from the rear and the side.
One (1) each side, facing the side.
One (1) each side, facing the rear

ELECTRONIC SIREN

A Show-Me Model: 30.2100, electronic siren with noise canceling microphone shall be provided. Siren head will be mounted in the console

SPEAKER

There shall be one Show-Me Model 30.0210, 100-watt, with black finish behind the grill guard.

EMERGENCY SWITCH PANEL

A Show-Me Model:05.6000 Switch panel for all emergency lights

UPPER WARNING LIGHT BAR

A Show-Me LED light bar shall be mounted in front of the headache rack within the protection area of the headache rack.

The length of the light bar shall be 48”. All the lenses shall be clear.

The light bar shall include the following:

- Eight (8) LED modules in the front.
- Eight (8) LED modules in the rear.
- Three (3) LED angled modules at the corners.

All modules will be **RED**.

FRONT WARNING LIGHTING

Two (2) Show-Me Model: 12.5004 LED flashing lights shall be located at the following positions:

- Front hood grille, **red** on driver’s side.
- Front hood grille, **red** on the passenger’s side.

SIDE LOWER WARNING LIGHTING

Two (2) Show-Me, Model: 12.5004 LED flashing lights shall be provided in the following positions.

- Front bumper extension, **red** on driver’s side.
- Front bumper extension, **red** on the passenger’s side.

REAR LOWER WARNING LIGHTING

Two (2) Show-Me, Model: 12.5004 flashing lights shall be located at the following positions:

- Rear skirt face, **red** on driver’s side.
- Rear skirt face, **red** on the passenger’s side.

REAR UPPER WARNING LIGHTING

Four (4) Show-Me, Model: 12.5004 LED warning lights shall be located at the following positions:

- Rear upper body rails rear facing, one (1) each side, **red** on driver’s side, **red** on the passenger’s side.
- Rear upper body rails side facing, one (1) each side, **red** on driver’s side, **red** on the passenger’s side.

PERIMETER SCENE LIGHTS, CAB

There will be a total of Two (2) weatherproof light provided for each cab door. Lighting will be designed to provide illumination on cab area, which will be activated by a switch in the control panel.

The lighting will be capable of providing illumination at a minimum level of one (1) foot-candle on ground areas within 30.00" of the edge of the apparatus in areas which personnel climb in or out of the apparatus or descend from the apparatus to the ground level.

PERIMETER SCENE LIGHTS, BODY

There will be a total of Two (2) weatherproof work lights provided on the apparatus. Two (2) lights will be provided under the rear step area. The lights will be spaced one (1) each side of the apparatus and will have clear lenses.

The lighting will be capable of providing illumination at a minimum level of one (1) foot-candle on ground areas within 30.00" of the edge of the apparatus in areas designed for personnel to climb onto the apparatus or descend from the apparatus to the ground level.

The lights will be activated by a switch in the control panel.

COMPARTMENT LIGHTS

Two (2) High intensity LED compartment lights will be installed, one (1) each in the upper body storage compartments.

DOOR AJAR LIGHTS

A red light will be installed that indicates when a compartment door is open.

BACK UP ALARM

A Show-Me Model: 13.0030 back up alarm will be installed on the rear of the apparatus.

SCENE LIGHTS

Install (2) FRC single head LED Evolution scene lights on push up poles to be located on each side of cab on headache rack.

Striping

Striping will consist of a standard designed white stripe on the lower portion of the cab running from the front wheel well to the rear of cab. 6” NFPA chevron will cover appropriate areas of the rear of the vehicle. Lettering shall consist of up to 60 letters total on sides of the vehicle. Striping on the vehicle may vary depending on the manufacture body design.

Limited lifetime warranty on Poly tank
Standard warranty on Hale pump 3 years
Bed warranty 10 years material and workmanship
All other components covered by manufacture warranties
Truck to be built to meet or exceed NFPA 1906 standard
Components can be substituted with equal to or better at builder discretion

BuyBoard Cooperative Purchasing

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

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NOTE 1: Vendors should propose direct replacement models if a vehicle/truck model specified below has been discontinued by the manufacturer. All trucks must comply with or exceed all Federal Motor Vehicle Safety Standards, FMVSS. All vehicle fees to be charged for any purchase from this contract with the exception of delivery fees *(i.e. pre delivery inspection, make ready, applicable state inspection fee, manufacturer destination fees, etc.)* are to be included in the base price(s). Vehicle fees not included in the base price(s) will not be allowed. The Cooperative service fee is not a "vehicle fee" and is not to be included in the base pricing.

NOTE 2: An awarded Vendor must be approved by the manufacturer to sell, install, and service the brand of equipment submitted. Proposers responding to this Proposal Invitation should submit an approval letter from each manufacturer. Manufacturer authorization letters must include the regions and/or states in which equipment may be sold.

NOTE 3: Vendors must provide a copy of their Franchise Motor Vehicle Dealer Certificate from Texas Department of Motor Vehicles and Manufacturer certificate from the Texas Department of Motor Vehicles or, if vendor proposes to serve states outside of the State of Texas, the applicable dealer license(s) for such state(s).

Section I: Commercial Class "A" Pumpers and Tankers

Item No.	Short Description	Full Description	Base Model Price	State Brand and Model (include body, chassis and engine)	Options
1	2-Dr. Cab, 35000# GVW, 300 HP Automatic, A/C	2-Dr. Cab, 35000# GVW, 300 HP Automatic, A/C1250 GPM Pump, 750 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment, diesel 300 HP engine, heavy duty cooling, 270 amp alternator, Allison MD series automatic transmission, full air brakes, 12.0 compressor, steel channel frame, chrome front bumper, minimum 45 gallon fuel tank, 2-door with bench seat, west coast mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel ten hole disc wheels.	$238.010 $241,213 $ _____ $247,913 $260,009	E-One/Freightliner M2 Pumper 300 HP E-One/International 4400 Pumper 300 HP E-One/Kenworth T370 Pumper 380 HP E-One/Peterbilt 348 Pumper 380 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
2	2-Dr. Cab, 35000# GVW, 350 HP Automatic, A/C	1500 GPM Pump, 750 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment, Diesel 350 HP engine, heavy duty cooling, 270 amp alternator, Allison HD series automatic transmission, Full air brakes, 12.0 compressor, steel channel frame, chrome front bumper, minimum 45 gallon fuel tank, 2-door with bench seat, west coast mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel ten hole disc wheels.	$248,108 $251,150 $ _____ $257,716 $268,828	E-One/Freightliner M2 Pumper 350 HP E-One/International 4400 Pumper 350 HP E-One/Kenworth T370 Pumper 380 HP E-One/Peterbilt 348 Pumper 380 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

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Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

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Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
3	2-Dr. Cab, 40000# GVW, 300 HP Automatic, A/C	1250 GPM Pump, 1500 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment, Diesel 300 HP engine, heavy duty cooling, 270 amp alternator, Allison MD series automatic transmission, Full air brakes, 12.0 copressor, steel channel frame, chrome front bumper, minimum 45 gallon fuel tank, 2 door with bench seat, west coast mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel ten hole disc wheels.	$263,310 $261,136 $ _____ $268,550 $280,630	E-One/Freightliner M2 Tanker 300 HP E-One/International 7400 Tanker 300 HP E-One/Kenworth T370 Tanker 380 HP E-One/Peterbilt 348 Tanker 380 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
4	2-Dr. Cab, 54000# GVW, 350 HP Automatic, A/C	1500 GPM Pump, 2500 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, rear Newton electric dump, NFPA 1901, all manufacturer's standard equipment, diesel 350 HP engine, heavy duty cooling, 270 amp alternator, Allison HD series automatic transmission, full air brakes, 12.0 compressor, steel channel frame, chrome front bumper, minimum 45 gallon fuel tank, 2-door with bench seat, west coast mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel ten hole disc wheels.	$295,889 $290,107 $ $305,215 $315,683	E-One/Freightliner M2 Tanker 350 HP E-One/International 7400 Tanker 350 HP E-One/Kenworth T370 Tanker 380 HP E-One/Peterbilt 348 Tanker 380 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
5	2-Dr. Cab, 35000# GVW, 300 HP Automatic, A/C	1250 GPM Pump, 750 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$250,530 $ $249,441	E-One/Freightliner M2 Pumper 300 HP E-One/International 4400 Pumper 300 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

PROPOSAL NOTE:

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Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
6	4-Dr. Cab, 35000# GVW, 300 HP, Automatic, A/C	1250 GPM Pump, 750 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$250,530 $ ~~$249,441~~	E-One/Freightliner M2 Pumper 300 HP E-One/International 4400 Pumper 300 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
Section II: Custom Cab Class "A" Pumpers and Tankers					
7	Custom MFD tilt 4-Dr. Cab, 330 HP Automatic, A/C	1250 GPM Pump, 750 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$ $352,646	E-One Typhoon L9 330 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
8	Custom LFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C	1500 GPM Pump, 750 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$ $400,324	E-One Cyclone II L9 400 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

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Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
9	Custom MFD tilt 4-Dr. Cab, 330 HP Automatic, A/C	1250 GPM Pump, 750 gallon poly tank, 200 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$ $379,160	E-One Typhoon L9 330 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
10	Custom LFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C	1500 GPM Pump, 750 gallon poly tank, 200 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$ $421,334	E-One Cyclone II L9 400 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
11	Custom MFD tilt 4-Dr. Cab, 330 HP Automatic, A/C	1250 GPM Pump, 1500 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$ $370,531	E-One Typhoon L9 330 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
12	Custom LFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C	1500 GPM Pump, 1500 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$ $419,222	E-One Cyclone II L9 400 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

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Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

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Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
13	Custom MFD tilt 4-Dr. Cab, 330 HP Automatic, A/C	1250 GPM Pump, 2500 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$ $415,435	E-One Typhoon L9 330 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
14	Custom LFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C	1500 GPM Pump, 2500 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$ $453,947	E-One Typhoon L9 400 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
15	Custom MFD tilt 4-Dr. Cab, 400 HP Automatic, A/C	1500 GPM Pump, 3000 gallon elliptical tank, 60 cu. Ft. compartment space, side mount pump panel, (2) side and (1) rear Newton electric dump, NFPA 1901, all manufacturer's standard equipment.	$ ~~No Bid~~	No Bid	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
Section III: Aerial Ladder and Aerial Platform Devices					
16	Custom MFD tilt, 4-Dr. Cab, 330 HP Automatic, A/C	1500 GPM Pump, 400 gallon poly tank, 150 cu. Ft. compartment space, single axle body, 75' aerial ladder rear mount, pinned waterway, NFPA 1901, all manufacturer's standard equipment.	$ $628,980	E-One Typhoon HP75 L9 450 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

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Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
17	Custom MFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C	1500 GPM Pump, 400 gallon poly tank, 150 cu. Ft. compartment space, single axle body, 75' aerial ladder rear mount, pinned waterway, NFPA 1901, all manufacturer's standard equipment.	$ $707,631	E-One Cyclone II HP78 L9 450 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
18	Custom MFD tilt, 4-Dr. Cab, 400 hHP Automatic, A/C	1500 GPM Pump, 300 gallon poly tank, 150 cu. Ft. compartment space, tandem axle, 100' aerial ladder rear mount, pinned waterway, NFPA 1901, all manufacturer's standard equipment.	$920,790 $ $927,241	E-One Cyclone II HP100 Ladder ISX 500 HP E-One Cyclone II HPS105 Ladder ISX 500 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
19	Custom MFD tilt 4-Dr. Cab, 400 HP, Automatic, A/C	1500 GPM Pump, 300 gallon poly tank, 150 cu. Ft. compartment space, tandem axle, 85' to 95' aerial ladder platform rear mount, pinned waterway, NFPA 1901, all manufacturer's standard equipment.	$ $998,501	E-One Cyclone II HP95 Platform ISX 500 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
20	Custom MFD tilt, 4-Dr. Cab, 400 HP, Automatic, A/C	1500 GPM Pump, 300 gallon poly tank, 150 cu. Ft. compartment space, tandem axle, 100'+ aerial ladder platform rear mount, NFPA 1901, all manufacturer's standard equipment.	$1,058,281 $ $1,057,861	E-One Cyclone II HP100 PLatform ISX 500 HP E-One Cyclone II HPS100 P;atform ISX 500 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
21	Custom MFD tilt, 4-Dr. Cab, 400 HP, Automatic, A/C	1500 GPM Pump, 200 gallon poly tank, maximum compartment space, tandem axle, 100'+ aerial platform articulating style, NFPA 1901, all manufacturer's standard equipment.	$ $1,341,135	E-One Cyclone II RLP 116+ Bronto ISX 500 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

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Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
22	Custom MFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C	1500 GPM Pump, 400 gallon poly tank, 150 cu. Ft. compartment space, single axle body, 75' aerial ladder mid-mount, pinned waterway, NFPA 1901, all manufacturer's standard equipment.	$ No Bid	No Bid	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
23	Custom MFD tilt, 4-Dr. Cab, 400 HP, Automatic, A/C	1500 GPM Pump, 300 gallon poly tank, 150 cu. Ft. compartment space, tandem axle, 100' aerial ladder mid-mount, pinned waterway, NFPA 1901, all manufacturer's standard equipment.	$ No Bid	No Bid	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
24	Custom MFD tilt, 4-Dr. Cab, 400 HP, Automatic, A/C	1500 GPM Pump, 300 gallon poly tank, 150 cu. Ft. compartment space, single axle, 70-85' aerial ladder platform mid-mount, NFPA 1901, all manufacturer's standard equipment.	$ No Bid	No Bid	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
25	Custom MFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C	1500 GPM Pump, 300 gallon poly tank, 150 cu. Ft. compartment spae, tandem axle, 85' to 95' aerial ladder platform mid-mount, NFPA 1901, all manufacturer's standard equipment.	$ $1,113,349	E-One Cyclone II HP95 Mid Mount Platform ISX 500 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
26	Custom MFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C	1500 GPM Pump, 300 gallon poly tank, 150 cu. Ft. compartment space, tandem axle, 100'+ aerial ladder platform midmount, NFPA 1901, all manufacturer's standard equipment.	$ No Bid	No Bid	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

PROPOSAL NOTE:

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BuyBoard Cooperative Purchasing

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Section IV: Rescue Vehicles, Non-Walk-In Style

Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
27	2-Dr. Cab, 35000# GVW, 300 HP Automatic, A/C	Non Walk-In 16' Heavy rescue body, maximum compartment space, 8Kw PTO generator, 6000 watt light tower, 10 shelves, 4 roll out trays, diesel 300 HP engine, heavy duty cooling, 270 amp alternator, Allison MD series automatic transmission, full air brakes, 12.0 compressor, steel channel frame, chrome front bumper, minimum 45 gallon fuel tank, 2-door with bench seat, west coast mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel ten hole disc wheels.	$258,223 $252,149 $ _____ $317,765 $272,813	E-One/International 4400 NWR Rescue 300 HP E-One/Freightliner M2 NWR Rescue 300 HP Kenworth T370 NWR Rescue 380 HP Peterbuilt 348 NWR Rescue 380 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
28	4 Dr. Cab, 35000# GVW, 300 HP, Automatic, A/C	Non Walk-In 16' Heavy rescue body, maximum compartment space, 8Kw PTO generator, 6000 watt light tower, 10 shelves, 4 roll out trays, diesel 300 HP engine, heavy duty cooling, 270 amp alternator, Allison MD series automatic transmission, full air brakes, 12.0 compressor, steel channel frame, chrome front bumper, minimum 45 gallon fuel tank, 4-door with individual air ride driver seat, SCBA high back officer seat, 3 SCBA high back crew seats with SCBA brackets west coast mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel ten hole disc wheels.	$264,437 $ $263,130	E-One/International 4400 NWR Rescue 300 HP E-One/Freightliner M2 NWR Rescue 300 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
29	Custom MFD tilt, 4-Dr. Cab, 330 HP, Automatic, A/C, Raised Roof	Non Walk-In 16' Heavy rescue body, maximum compartment space, 8Kw PTO generator, 6000 watt light tower, 10 shelves, 4 roll out trays.	$ $377,348	E-One Typhoon NWR Rescue 350 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

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Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

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Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
30	Custom LFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C, Raised Roof	Non Walk-In 16' Heavy rescue body, maximum compartment space, 8Kw PTO generator, 6000 watt light tower, 10 shelves, 4 roll out trays.	$ $394,492	E-One Typhoon NWR Rescue 400 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
31	2-Dr. Cab, 60" cab to axle, A/C	Non Walk-In 10' Light Duty rescue, maximum compartment space, 5Kw Honda generator,roll up doors, 4 shelves, 2 roll out trays, 12,500# GVW, 250 HP diesel engine, heavy duty cooling, dual 110 amp alternator, automatic transmission, power disc front and rear brakes, standard frame, chrome fromt bumper, minimum 30 gallon fuel tank, 2 door cab with bench seat, mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel disc wheels.	$ ~~No Bid~~	No Bid	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
32	2-Dr. Cab, 84" cab to axle, A/C	Non Walk-In 12' Light Duty rescue, maximum compartment space, 5Kw Honda generator, roll up doors, 4 sheves, 2 roll out trays, 12500# GVW, 250 HP diesel engine, heavy duty cooling, dual 110 amp alternator, automatic transmission, power disc front and rear brakes, standard frame, chrome front bumper, minimum 30 gallon fuel tank, 2-door cab with bench seat, mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel disc wheels.	$ $162,684	Ford F550 Non Walk- In Rescue	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

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Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
Section V: Rescue Vehicles, Walk-In Style					
33	2-Dr. Cab, 35000# GVW, 300 HP Automatic, A/C	Walk-In 16' Heavy rescue body, maximum compartment space, 8Kw PTO generator, 6000 watt light tower, 10 shelves, 4 roll out trays, diesel 300 HP engine, heavy duty cooling, 270 amp alternator, Allison MD series automatic transmission, Full air brakes, 12.0 compressor, steel channel frame, chrome front bumper, minimum 45 gallon fuel tank, 2-door with bench seat, west coast mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel ten hole disc wheels.	$262,848 $259,251 $ _____ $324,553 $280,019	E-One/International 4400 WIR Rescue 300 HP E-One/Freightliner M2 WIR Rescue 300 HP E-One/Kenworth T370 WIR Rescue 380 HP E-One/E-One/Peterbilt 348 WIR Rescue 380 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
34	4-Dr. Cab, 35000# GVW, 300 HP, Automatic, A/C	Walk-In 16' Heavy rescue body, maximum compartment space, 8Kw PTO generator, 6000 watt light tower, 10 shelves, 4 roll out trays, diesel 300 HP engine, heavy duty cooling, 270 amp alternator, Allison MD series automatic transmission, Full air brakes, 12.0 compressor, steel channel frame, chrome front bumper, minimum 45 gallon fuel tank, 4-door with individual air ride driver seat, SCBA high back officer seat, 3 SCBA high back crew seats with SCBA brackets west coast mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel ten hole disc wheels.	$271,392 $ _____ $273,000	E-One/International 4400 Wakl-In Rescue 300 HP E-One/Freightliner M2 Walk-In Rescue 300 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
35	Custom MFD tilt, 4-Dr. Cab, 330 HP Automatic, A/C, Raised Roof	Walk-In 16' Heavy rescue body, maximum compartment space, 8Kw PTO generator, 6000 watt light tower, 10 shelves, 4 roll out trays.	$ $395,403	E-One Typhoon Walk-In Rescue 350 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
36	Custom LFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C, Raised Roof	Walk-In 16' Heavy rescue body, maximum compartment space, 8Kw PTO generator, 6000 watt light tower, 10 shelves, 4 roll out trays.	$ $421,424	E-One Cyclone II Walk-In Rescue 350 HP	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

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Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
37	2-Dr. Cab, 84" cab to axle, A/C	Walk-In 12' Light Duty rescue, maximum compartment space, 5Kw Honda generator, roll up doors, 4 shelves, 2 roll out trays, 15,000# GVW, 250 HP diesel engine, heavy duty cooling, duel 110 amp alternator, automatic transmission, power disc front and rear brakes, standard frame, chrome front bumper, minimum 30 gallon fuel tank, 2-door cab with bench seat, mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel disc wheels.	$ ~~No Bid~~	No Bid	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
38	2-Dr. Cab, 170" cab to axle, A/C	Walk-In 14' Light Duty rescue, maximum compartment space, 5Kw Honda generator, roll up doors, 4 shelves, 2 roll out trays, 20,000# GVW, diesel 240 HP engine, heavy duty cooling, 270 amp alternator, Allison MD series automatic transmission, Full air brakes, 12.0 compressor, steel channel frame, 170" cab to axle, chrome front bumper, minimum 45 gallon fuel tank, 2-door with bench seat, west coast mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel disc wheels.	$ ~~No Bid~~	No Bid	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
Section VI: Quick Attack and Brush Type Vehicles					
39	2-Dr. Cab, 4x2, 60" C/A, A/C, 15,000# GVW	Aluminum body, maximum compartment space, 300-340 gallon poly tank, booster reel with hose, 26HP diesel powered pump.	$ 121,164	Lone Star Brush Truck Ford F550	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
40	2-Dr. Cab, 4x4, 60" C/A, A/C, 15,000# GVW	Aluminum body, maximum compartment space, 300-340 gallon poly tank, booster reel with hose, 26HP diesel powered pump.	$ ~~No Bid~~	No Bid	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
41	2-Dr. Cab, 4x4, 60" C/A, A/C, 15,000# GVW	Aluminum body, maximum compartment space, 300 gallon poly tank, booster reel with hose, 26HP diesel powered pump, CAFS foam system with FoamPro 1600 or equal, 20 gallon foam cell.	$ ~~No Bid~~	No Bid	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
42	2-Dr. Cab, 4x2, 17500# GVW, 275 HP Diesel	Aluminum Body, 500 gallon poly tank, booster reel with hose, 100 gpm pump.	$ ~~No Bid~~	No bid	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
43	4-Dr. Cab, 4x4, 17500# GVW, 275 HP Diesel, manual transmission	Aluminum Body, maximum compartment space, 250 gallon poly tank, 500 gpm PTO pump.	$ ~~No Bid~~	No bid	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
44	2-Dr. Cab, 4x4, 17500# GVW, 275 HP Diesel, manual transmission	Aluminum body, maximum compartment space, 300 gallon poly tank, 500 gpm pump.	$ ~~No Bid~~	No Bid	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
45	2-Dr. Cab, 4x2, 300 HP, Automatic, A/c	Aluminum Body, maximum compartment space, 500 gallon poly tank, 50 gallon foam, booster reel with hose, 400 gpm diesel driven pump with FoamPro 2100 system or equal.	$ No Bid	No Bid	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

Section VII: OPTIONAL EQUIPMENT and PARTS- Options will be selected by the Cooperative member at the time of order. A COMPLETE LIST OF ALL OPTIONAL EQUIPMENT AND PARTS MUST BE SUBMITTED WITH PROPOSAL FOR PROPOSAL TO BE CONSIDERED!

Item No.	Short Description	Full Description	State Percent (%) of Discount off Catalog/Pricelist[1]	State Name of Catalog/Pricelist	Exceptions to Discount
46	Discount (%) Off Catalog/Pricelist for Original Equipment Manufacturer (OEM) Options	Please state the discount (%) off catalog/pricelist for all **Original Equipment Manufacturer (OEM) Options. Catalog/Pricelist MUST be included or proposal will not be considered.**	0 %		
47	Discount (%) Off Catalog/Pricelist for Third Party (not OEM) and Unpublished Options	Please state the discount (%) off catalog/pricelist for all **Third Party (not OEM) and Unpublished Options and Equipment. Catalog/Pricelist MUST be included or proposal will not be considered.**	0 %		

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Item No.	Short Description	Full Description	State Percent (%) of Discount off Catalog/Pricelist[1]	State Name of Catalog/Pricelist	Exceptions to Discount
48	Discount (%) Off Catalog/Pricelist for Original Equipment Manufacturer (OEM) Parts	Please state the discount (%) off catalog/pricelist for all **Original Equipment Manufacturer (OEM) Parts. Catalog/Pricelist MUST be included or proposal will not be considered.**	0 %		
49	Discount (%) Off Catalog/Pricelist for Extended Service Maintenance Agreements	Please state the discount (%) off catalog/pricelist for all **Extended Service Maintenance Agreements. Catalog/Pricelist MUST be included or proposal will not be considered.**	0 %		
50	Discount (%) Off Catalog/Pricelist for Floor Plan Insurance and Lot Insurance	Please state the discount (%) off catalog/pricelist for **Floor Plan Insurance and Lot Insurance** (dealer inventory fire service apparatus vehicle). **Catalog/Pricelist MUST be included or proposal will not be considered.**	0 %		
51	Discount (%) Off Catalog/Pricelist for Other Fire Apparatus Products and Services	Please state the discount (%) off catalog/pricelist for all **Other Fire Apparatus Products and Services** (refurbishing, modification, uplifting, remounting services and equipment). **Catalog/Pricelist MUST be included or proposal will not be considered.**	0 %		

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Section VIII: Delivery Fees and Labor Rate for Installation and Repair Service of Fire Service Apparatus Vehicles

Item No.	Short Description	Full Description	Hourly Labor Rate and Delivery Fee	Detailed Information on Hourly Labor Rate and Delivery Fee	Exceptions to Hourly Labor Rate and Delivery Fee
52	Not to Exceed Hourly Labor Rate for Installation and Repair Service of Fire Apparatus Equipment and Products	**Hourly Labor Rate for Installation and Repair Service of Fire Apparatus Equipment and Products** -- State the **Not to Exceed** hourly labor rate for Installation/Repair Service of Equipment and Products.	$ N/A /Hour		
53	Per Mile Delivery Fee for Fire Service Apparatus Vehicles	**Per Mile Delivery Fee for Fire Apparatus** -- State the per mile delivery fee for fire service apparatus vehicles.	$ Included /Mile		

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

BuyBoard Cooperative Purchasing

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

NOTE 1: Vendors should propose direct replacement models if a vehicle/truck model specified below has been discontinued by the manufacturer. All trucks must comply with or exceed all Federal Motor Vehicle Safety Standards, FMVSS. All vehicle fees to be charged for any purchase from this contract with the exception of delivery fees *(i.e. pre delivery inspection, make ready, applicable state inspection fee, manufacturer destination fees, etc.)* are to be included in the base price(s). Vehicle fees not included in the base price(s) will not be allowed. The Cooperative service fee is not a "vehicle fee" and is not to be included in the base pricing.

NOTE 2: An awarded Vendor must be approved by the manufacturer to sell, install, and service the brand of equipment submitted. Proposers responding to this Proposal Invitation should submit an approval letter from each manufacturer. Manufacturer authorization letters must include the regions and/or states in which equipment may be sold.

NOTE 3: Vendors must provide a copy of their Franchise Motor Vehicle Dealer Certificate from Texas Department of Motor Vehicles and Manufacturer certificate from the Texas Department of Motor Vehicles or, if vendor proposes to serve states outside of the State of Texas, the applicable dealer license(s) for such state(s).

Section I: Commercial Class "A" Pumpers and Tankers

Item No.	Short Description	Full Description	Base Model Price	State Brand and Model (include body, chassis and engine)	Options
1	2-Dr. Cab, 35000# GVW, 300 HP Automatic, A/C	2-Dr. Cab, 35000# GVW, 300 HP Automatic, A/C1250 GPM Pump, 750 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment, diesel 300 HP engine, heavy duty cooling, 270 amp alternator, Allison MD series automatic transmission, full air brakes, 12.0 compressor, steel channel frame, chrome front bumper, minimum 45 gallon fuel tank, 2-door with bench seat, west coast mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel ten hole disc wheels.	$ 258,210.00	Ferrara P1001, 2-door Freightliner Chassis w/ Cummins L9 350 Engine.	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
2	2-Dr. Cab, 35000# GVW, 350 HP Automatic, A/C	1500 GPM Pump, 750 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment, Diesel 350 HP engine, heavy duty cooling, 270 amp alternator, Allison HD series automatic transmission, Full air brakes, 12.0 compressor, steel channel frame, chrome front bumper, minimum 45 gallon fuel tank, 2-door with bench seat, west coast mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel ten hole disc wheels.	$ N/P		Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

BuyBoard Cooperative Purchasing

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
3	2-Dr. Cab, 40000# GVW, 300 HP Automatic, A/C	1250 GPM Pump, 1500 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment, Diesel 300 HP engine, heavy duty cooling, 270 amp alternator, Allison MD series automatic transmission, Full air brakes, 12.0 copressor, steel channel frame, chrome front bumper, minimum 45 gallon fuel tank, 2 door with bench seat, west coast mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel ten hole disc wheels.	$ N/P		Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
4	2-Dr. Cab, 54000# GVW, 350 HP Automatic, A/C	1500 GPM Pump, 2500 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, rear Newton electric dump, NFPA 1901, all manufacturer's standard equipment, diesel 350 HP engine, heavy duty cooling, 270 amp alternator, Allison HD series automatic transmission, full air brakes, 12.0 compressor, steel channel frame, chrome front bumper, minimum 45 gallon fuel tank, 2-door with bench seat, west coast mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel ten hole disc wheels.	$ N/P		Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
5	2-Dr. Cab, 35000# GVW, 300 HP Automatic, A/C	1250 GPM Pump, 750 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$ 267,468.00	Ferrara P1001, 2-door International Chassis w/ Cummins L9 330 Engine.	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

BuyBoard Cooperative Purchasing

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
6	4-Dr. Cab, 35000# GVW, 300 HP, Automatic, A/C	1250 GPM Pump, 750 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$ 273,034.00	Ferrara P1001, 4-door Freightliner Chassis w/ Cummins L9 350 Engine.	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
Section II: Custom Cab Class "A" Pumpers and Tankers					
7	Custom MFD tilt 4-Dr. Cab, 330 HP Automatic, A/C	1250 GPM Pump, 750 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$ 392,138.00 7A: $408.032.00 7B: $430.596.00	Item 7: Cinder Custom Pumper. Item 7A: Igniter Custom Pumper. Item 7B: Inferno Custom Pumper. All with Cummins Engine.	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
8	Custom LFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C	1500 GPM Pump, 750 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$ N/P		Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
9	Custom MFD tilt 4-Dr. Cab, 330 HP Automatic, A/C	1250 GPM Pump, 750 gallon poly tank, 200 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$ N/P		Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
10	Custom LFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C	1500 GPM Pump, 750 gallon poly tank, 200 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$ N/P		Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
11	Custom MFD tilt 4-Dr. Cab, 330 HP Automatic, A/C	1250 GPM Pump, 1500 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$ N/P		Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
12	Custom LFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C	1500 GPM Pump, 1500 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$ N/P		Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
13	Custom MFD tilt 4-Dr. Cab, 330 HP Automatic, A/C	1250 GPM Pump, 2500 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$ N/P		Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
14	Custom LFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C	1500 GPM Pump, 2500 gallon poly tank, 100 cu. Ft. compartment space, side mount pump panel, NFPA 1901, all manufacturer's standard equipment.	$ N/P		Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
15	Custom MFD tilt 4-Dr. Cab, 400 HP Automatic, A/C	1500 GPM Pump, 3000 gallon elliptical tank, 60 cu. Ft. compartment space, side mount pump panel, (2) side and (1) rear Newton electric dump, NFPA 1901, all manufacturer's standard equipment.	$ N/P		Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
Section III: Aerial Ladder and Aerial Platform Devices					
16	Custom MFD tilt, 4-Dr. Cab, 330 HP Automatic, A/C	1500 GPM Pump, 400 gallon poly tank, 150 cu. Ft. compartment space, single axle body, 75' aerial ladder rear mount, pinned waterway, NFPA 1901, all manufacturer's standard equipment.	$ N/P		Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

BuyBoard Cooperative Purchasing

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
17	Custom MFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C	1500 GPM Pump, 400 gallon poly tank, 150 cu. Ft. compartment space, single axle body, 75' aerial ladder rear mount, pinned waterway, NFPA 1901, all manufacturer's standard equipment.	$ 779,205.00 16A: $792.235.00 16B: $814.860.00	Item 16: Cinder HD77, 77' Rear Mount Ladder. Cummins Item 16A: Igniter HD77, 77' Rear Mount Ladder. Cummins Item 16B: Inferno HD77, 77' Rear Mount Ladder. Cummins	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
18	Custom MFD tilt, 4-Dr. Cab, 400 hHP Automatic, A/C	1500 GPM Pump, 300 gallon poly tank, 150 cu. Ft. compartment space, tandem axle, 100' aerial ladder rear mount, pinned waterway, NFPA 1901, all manufacturer's standard equipment.	$ 962,749.00	Inferno HD107, 107' Rear Mount Ladder w/Cummins Engine.	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
19	Custom MFD tilt 4-Dr. Cab, 400 HP, Automatic, A/C	1500 GPM Pump, 300 gallon poly tank, 150 cu. Ft. compartment space, tandem axle, 85' to 95' aerial ladder platform rear mount, pinned waterway, NFPA 1901, all manufacturer's standard equipment.	$ N/P		Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
20	Custom MFD tilt, 4-Dr. Cab, 400 HP, Automatic, A/C	1500 GPM Pump, 300 gallon poly tank, 150 cu. Ft. compartment space, tandem axle, 100'+ aerial ladder platform rear mount, NFPA 1901, all manufacturer's standard equipment.	$ 1,084,070.00	Inferno HD100, 100' Rear Mount Platform w/Cummins Engine.	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
21	Custom MFD tilt, 4-Dr. Cab, 400 HP, Automatic, A/C	1500 GPM Pump, 200 gallon poly tank, maximum compartment space, tandem axle, 100'+ aerial platform articulating style, NFPA 1901, all manufacturer's standard equipment.	$ N/P		Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

BuyBoard Cooperative Purchasing

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
22	Custom MFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C	1500 GPM Pump, 400 gallon poly tank, 150 cu. Ft. compartment space, single axle body, 75' aerial ladder mid-mount, pinned waterway, NFPA 1901, all manufacturer's standard equipment.	$ N/P		Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
23	Custom MFD tilt, 4-Dr. Cab, 400 HP, Automatic, A/C	1500 GPM Pump, 300 gallon poly tank, 150 cu. Ft. compartment space, tandem axle, 100' aerial ladder mid-mount, pinned waterway, NFPA 1901, all manufacturer's standard equipment.	$ 996,329.00	Inferno HD100, 100' Mid Mount Ladder w/Cummins Engine.	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
24	Custom MFD tilt, 4-Dr. Cab, 400 HP, Automatic, A/C	1500 GPM Pump, 300 gallon poly tank, 150 cu. Ft. compartment space, single axle, 70-85' aerial ladder platform mid-mount, NFPA 1901, all manufacturer's standard equipment.	$ N/P		Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
25	Custom MFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C	1500 GPM Pump, 300 gallon poly tank, 150 cu. Ft. compartment spae, tandem axle, 85' to 95' aerial ladder platform mid-mount, NFPA 1901, all manufacturer's standard equipment.	$ N/P		Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
26	Custom MFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C	1500 GPM Pump, 300 gallon poly tank, 150 cu. Ft. compartment space, tandem axle, 100'+ aerial ladder platform midmount, NFPA 1901, all manufacturer's standard equipment.	$ 1,176,956.00	Inferno HD100, 100' Mid Mount Platform with Cummins Engine.	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

BuyBoard Cooperative Purchasing

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Section IV: Rescue Vehicles, Non-Walk-In Style

Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
27	2-Dr. Cab, 35000# GVW, 300 HP Automatic, A/C	Non Walk-In 16' Heavy rescue body, maximum compartment space, 8Kw PTO generator, 6000 watt light tower, 10 shelves, 4 roll out trays, diesel 300 HP engine, heavy duty cooling, 270 amp alternator, Allison MD series automatic transmission, full air brakes, 12.0 compressor, steel channel frame, chrome front bumper, minimum 45 gallon fuel tank, 2-door with bench seat, west coast mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel ten hole disc wheels.	$ 180,192.00	Ferrara 2-Door Freightliner, 16' Non Walk In Rescue w/Cummins Engine.	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
28	4 Dr. Cab, 35000# GVW, 300 HP, Automatic, A/C	Non Walk-In 16' Heavy rescue body, maximum compartment space, 8Kw PTO generator, 6000 watt light tower, 10 shelves, 4 roll out trays, diesel 300 HP engine, heavy duty cooling, 270 amp alternator, Allison MD series automatic transmission, full air brakes, 12.0 compressor, steel channel frame, chrome front bumper, minimum 45 gallon fuel tank, 4-door with individual air ride driver seat, SCBA high back officer seat, 3 SCBA high back crew seats with SCBA brackets west coast mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel ten hole disc wheels.	$ 193,337.00	Ferrara 4-Door Freightliner, 16' Non Walk In Rescue w/Cummins Engine.	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
29	Custom MFD tilt, 4-Dr. Cab, 330 HP, Automatic, A/C, Raised Roof	Non Walk-In 16' Heavy rescue body, maximum compartment space, 8Kw PTO generator, 6000 watt light tower, 10 shelves, 4 roll out trays.	$ 329,447.00 29A: $343.358.00 29B: $367.904.00	Item 29: Cinder 16' Non Walk in Rescue. Item 29A: Igniter 16' Non Walk In Rescue. Item 29B: Inferno 16' Non Walk In Rescue. All with Cummins Engines.	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

BuyBoard Cooperative Purchasing

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
30	Custom LFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C, Raised Roof	Non Walk-In 16' Heavy rescue body, maximum compartment space, 8Kw PTO generator, 6000 watt light tower, 10 shelves, 4 roll out trays.	$ N/P		Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
31	2-Dr. Cab, 60" cab to axle, A/C	Non Walk-In 10' Light Duty rescue, maximum compartment space, 5Kw Honda generator,roll up doors, 4 shelves, 2 roll out trays, 12,500# GVW, 250 HP diesel engine, heavy duty cooling, dual 110 amp alternator, automatic transmission, power disc front and rear brakes, standard frame, chrome fromt bumper, minimum 30 gallon fuel tank, 2 door cab with bench seat, mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel disc wheels.	$ N/P		Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
32	2-Dr. Cab, 84" cab to axle, A/C	Non Walk-In 12' Light Duty rescue, maximum compartment space, 5Kw Honda generator, roll up doors, 4 sheves, 2 roll out trays, 12500# GVW, 250 HP diesel engine, heavy duty cooling, dual 110 amp alternator, automatic transmission, power disc front and rear brakes, standard frame, chrome front bumper, minimum 30 gallon fuel tank, 2-door cab with bench seat, mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel disc wheels.	$ 148,592.00	Ford F550 2-Door, 12' Non Walk In Rescue w/Ford Engine.	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

BuyBoard Cooperative Purchasing

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
Section V: Rescue Vehicles, Walk-In Style					
33	2-Dr. Cab, 35000# GVW, 300 HP Automatic, A/C	Walk-In 16' Heavy rescue body, maximum compartment space, 8Kw PTO generator, 6000 watt light tower, 10 shelves, 4 roll out trays, diesel 300 HP engine, heavy duty cooling, 270 amp alternator, Allison MD series automatic transmission, Full air brakes, 12.0 compressor, steel channel frame, chrome front bumper, minimum 45 gallon fuel tank, 2-door with bench seat, west coast mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel ten hole disc wheels.	$ 207,047.00	Ferrara 2-Door Freightliner, 16' Walk In Rescue w/Cummins Engine.	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
34	4-Dr. Cab, 35000# GVW, 300 HP, Automatic, A/C	Walk-In 16' Heavy rescue body, maximum compartment space, 8Kw PTO generator, 6000 watt light tower, 10 shelves, 4 roll out trays, diesel 300 HP engine, heavy duty cooling, 270 amp alternator, Allison MD series automatic transmission, Full air brakes, 12.0 compressor, steel channel frame, chrome front bumper, minimum 45 gallon fuel tank, 4-door with individual air ride driver seat, SCBA high back officer seat, 3 SCBA high back crew seats with SCBA brackets west coast mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel ten hole disc wheels.	$ 219,897.00	Ferrara 4-Door Freightliner, 16' Walk In Rescue w/Cummins Engine.	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
35	Custom MFD tilt, 4-Dr. Cab, 330 HP Automatic, A/C, Raised Roof	Walk-In 16' Heavy rescue body, maximum compartment space, 8Kw PTO generator, 6000 watt light tower, 10 shelves, 4 roll out trays.	$ 371,254.00 35A: $385.166.00 35B: $409.712.00	Item 35: Cinder 16' Walk in Rescue. Cummins Engine. Item 35A: Igniter 16' Walk In Rescue. Cummins Engine. Item 35B: Inferno 16' Walk In Rescue. Cummins Engine.	Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
36	Custom LFD tilt, 4-Dr. Cab, 400 HP Automatic, A/C, Raised Roof	Walk-In 16' Heavy rescue body, maximum compartment space, 8Kw PTO generator, 6000 watt light tower, 10 shelves, 4 roll out trays.	$ N/P		Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
37	2-Dr. Cab, 84" cab to axle, A/C	Walk-In 12' Light Duty rescue, maximum compartment space, 5Kw Honda generator, roll up doors, 4 shelves, 2 roll out trays, 15,000# GVW, 250 HP diesel engine, heavy duty cooling, duel 110 amp alternator, automatic transmission, power disc front and rear brakes, standard frame, chrome front bumper, minimum 30 gallon fuel tank, 2-door cab with bench seat, mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel disc wheels.	$ N/P		Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
38	2-Dr. Cab, 170" cab to axle, A/C	Walk-In 14' Light Duty rescue, maximum compartment space, 5Kw Honda generator, roll up doors, 4 shelves, 2 roll out trays, 20,000# GVW, diesel 240 HP engine, heavy duty cooling, 270 amp alternator, Allison MD series automatic transmission, Full air brakes, 12.0 compressor, steel channel frame, 170" cab to axle, chrome front bumper, minimum 45 gallon fuel tank, 2-door with bench seat, west coast mirrors, air conditioner, tilt-telescoping steering wheel, full gauge package, tires to match axle GVW rating, steel disc wheels.	$ N/P		Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
Section VI: Quick Attack and Brush Type Vehicles					
39	2-Dr. Cab, 4x2, 60" C/A, A/C, 15,000# GVW	Aluminum body, maximum compartment space, 300-340 gallon poly tank, booster reel with hose, 26HP diesel powered pump.	$ N/P		Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
40	2-Dr. Cab, 4x4, 60" C/A, A/C, 15,000# GVW	Aluminum body, maximum compartment space, 300-340 gallon poly tank, booster reel with hose, 26HP diesel powered pump.	$ N/P		Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

BuyBoard

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
41	2-Dr. Cab, 4x4, 60" C/A, A/C, 15,000# GVW	Aluminum body, maximum compartment space, 300 gallon poly tank, booster reel with hose, 26HP diesel powered pump, CAFS foam system with FoamPro 1600 or equal, 20 gallon foam cell.	$ N/P		Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
42	2-Dr. Cab, 4x2, 17500# GVW, 275 HP Diesel	Aluminum Body, 500 gallon poly tank, booster reel with hose, 100 gpm pump.	$ N/P		Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
43	4-Dr. Cab, 4x4, 17500# GVW, 275 HP Diesel, manual transmission	Aluminum Body, maximum compartment space, 250 gallon poly tank, 500 gpm PTO pump.	$ N/P		Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)
44	2-Dr. Cab, 4x4, 17500# GVW, 275 HP Diesel, manual transmission	Aluminum body, maximum compartment space, 300 gallon poly tank, 500 gpm pump.	$ N/P		Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

BuyBoard Cooperative Purchasing

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Item No.	Short Description	Full Description	Base Price	State Brand and Model (include body, chassis and engine)	Options
45	2-Dr. Cab, 4x2, 300 HP, Automatic, A/c	Aluminum Body, maximum compartment space, 500 gallon poly tank, 50 gallon foam, booster reel with hose, 400 gpm diesel driven pump with FoamPro 2100 system or equal.	$ N/P		Attach separate sheet with upgrade options to include all manufacturer options including alternative fuel choice equipment (CNG, LPG, etc.)

Section VII: OPTIONAL EQUIPMENT and PARTS- Options will be selected by the Cooperative member at the time of order. A COMPLETE LIST OF ALL OPTIONAL EQUIPMENT AND PARTS MUST BE SUBMITTED WITH PROPOSAL FOR PROPOSAL TO BE CONSIDERED!

Item No.	Short Description	Full Description	State Percent (%) of Discount off Catalog/Pricelist[1]	State Name of Catalog/Pricelist	Exceptions to Discount
46	Discount (%) Off Catalog/Pricelist for Original Equipment Manufacturer (OEM) Options	Please state the discount (%) off catalog/pricelist for all **Original Equipment Manufacturer (OEM) Options. Catalog/Pricelist MUST be included or proposal will not be considered.**	0 %		
47	Discount (%) Off Catalog/Pricelist for Third Party (not OEM) and Unpublished Options	Please state the discount (%) off catalog/pricelist for all **Third Party (not OEM) and Unpublished Options and Equipment. Catalog/Pricelist MUST be included or proposal will not be considered.**	0 %		

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Item No.	Short Description	Full Description	State Percent (%) of Discount off Catalog/Pricelist[1]	State Name of Catalog/Pricelist	Exceptions to Discount
48	Discount (%) Off Catalog/Pricelist for Original Equipment Manufacturer (OEM) Parts	Please state the discount (%) off catalog/pricelist for all **Original Equipment Manufacturer (OEM) Parts. Catalog/Pricelist MUST be included or proposal will not be considered.**	0 %		
49	Discount (%) Off Catalog/Pricelist for Extended Service Maintenance Agreements	Please state the discount (%) off catalog/pricelist for all **Extended Service Maintenance Agreements. Catalog/Pricelist MUST be included or proposal will not be considered.**	0 %		
50	Discount (%) Off Catalog/Pricelist for Floor Plan Insurance and Lot Insurance	Please state the discount (%) off catalog/pricelist for **Floor Plan Insurance and Lot Insurance** (dealer inventory fire service apparatus vehicle). **Catalog/Pricelist MUST be included or proposal will not be considered.**	0 %		
51	Discount (%) Off Catalog/Pricelist for Other Fire Apparatus Products and Services	Please state the discount (%) off catalog/pricelist for all **Other Fire Apparatus Products and Services** (refurbishing, modification, uplifting, remounting services and equipment). **Catalog/Pricelist MUST be included or proposal will not be considered.**	0 %		

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

Proposal Invitation No. 571-18-Fire Service Apparatus Vehicles

(Detailed specification sheets and a options pricelist must be submitted with proposal or the proposal will not considered.[1])

Section VIII: Delivery Fees and Labor Rate for Installation and Repair Service of Fire Service Apparatus Vehicles

Item No.	Short Description	Full Description	Hourly Labor Rate and Delivery Fee	Detailed Information on Hourly Labor Rate and Delivery Fee	Exceptions to Hourly Labor Rate and Delivery Fee
52	Not to Exceed Hourly Labor Rate for Installation and Repair Service of Fire Apparatus Equipment and Products	**Hourly Labor Rate for Installation and Repair Service of Fire Apparatus Equipment and Products** -- State the **Not to Exceed** hourly labor rate for Installation/Repair Service of Equipment and Products.	$ N/A /Hour		
53	Per Mile Delivery Fee for Fire Service Apparatus Vehicles	**Per Mile Delivery Fee for Fire Apparatus** -- State the per mile delivery fee for fire service apparatus vehicles.	$ Included /Mile		

PROPOSAL NOTE:

1. Detailed specification sheets and a options pricelist must be submitted with proposal.

FERRARA

REV GROUP

March 20, 2018

The Local Government Purchasing Cooperative
12007 Research Boulevard
Austin, Texas 78759

To Whom It May Concern:

Please accept this letter as confirmation that Lone Star Emergency Group is authorized to represent Ferrara Fire Apparatus Inc. for apparatus sales, service and warranty repair in all regions for the State of Texas.

If you have any questions, please feel free to let me know.

Sincerely,
Ferrara Fire Apparatus, Inc.

Bert McCutcheon
Vice President / CEO

27855 James Chapel Road • P.O. Box 249 • Holden, LA 70744
www.ferrarafire.com • www.fireequipment.com •E-mail: erica@ferrarafire.com
Phone 225-567-7100 • 800-443-9006 • Fax 225-567-7679

Jay Johnson
Vice President, Sales & Product Management
ph:(352) 861-3501
fx: (352) 237-1151
jjohnson@e-one.com

March 19, 2018

To Whom It May Concern:

This letter shall serve to certify that Lone Star Emergency Group, LLC are now the exclusive dealer for the sale of E-ONE parts and emergency vehicles in the State of Texas since February 2018. Lone Star Emergency represents all of E-ONE's product lines.

In addition, Lone Star operates factory authorized, fully-staffed service centers in Houston and Wilmer, TX. They also offer mobile road service, preventative maintenance programs, collision & paint repair, training and custom equipment mounting. Lone Star is the only fire apparatus warranty repair center in Texas authorized to carry out repairs on E-ONE apparatus to ensure warranty compliance. Additionally, they are the only authorized E-ONE service provider for non-warranty work on E-ONE apparatus and proprietary E-ONE electrical, aerial, plumbing and hydraulic systems. Lone Star has served in this capacity continuously and without interruption.

Sincerely,
E-ONE, Inc.

Jay Johnson
Vice President

1601 SW 37th Avenue | Ocala | FL 34474 | T: (352) 237-1122 | F: (352) 237-1151
> e-one.com

FRANCHISED MOTOR VEHICLE DEALER

LICENSE NO: A146251

GENERAL DISTINGUISHING NUMBER:

MOTOR VEHICLE DIVISION P146252 Motor Vehicle

HFJ Group, LLC
Lone Star Emergency Group, LLC,
24635 INTERSTATE 45 BLDG. H
SPRING, TEXAS MONTGOMERY 77380-3000

EXPIRES: 12-31-2019
PHYSICAL LOCATION:
24635 INTERSTATE 45 BLDG. H
SPRING, TEXAS MONTGOMERY 77380-3000

THIS DEALERSHIP IS LICENSED TO ONLY SELL THE FOLLOWING LINE(S) OF NEW MOTOR VEHICLES:

FERRARA FIRE TRUCK : FT-Fire Truck, EMERGENCY ONE FIRE TRUCK : FT-Fire Truck

ADDITIONAL LOCATION(S): For used vehicle sales only

HAVING SATISFIED THE APPLICABLE REQUIREMENTS OF CHAPTER 2301 OF THE TEXAS OCCUPATIONS CODE, CHAPTER 503 OF THE TEXAS TRANSPORTATION CODE, AND THE RULES OF THE BOARD, THE PERSON NAMED ABOVE IS HEREBY LICENSED WITH THE TEXAS DEPARTMENT OF MOTOR VEHICLES, MOTOR VEHICLE DIVISION.

Daniel Avitia

Daniel Avitia, Director
Texas Department of Motor Vehicles
Motor Vehicle Division

WARNING: PENAL CODE SECTION 37.10, PROVIDES THAT TAMPERING WITH A GOVERNMENTAL RECORD IS AN OFFENSE PUNISHABLE AS A SECOND-DEGREE FELONY.

Texas Department of Motor Vehicles

MOTOR VEHICLE DIVISION

MOTOR VEHICLE MANUFACTURER

LICENSE NO: 0435

E-ONE INC
1601 SW 37TH AVE
OCALA, FLORIDA NOT IN TEXAS 34474-2829

EXPIRES: 3/31/2019 12:00:00 AM
PHYSICAL LOCATION:
1701 SW 37TH AVE
OCALA, FLORIDA NOT IN TEXAS 34474-2827
1601 SW 37TH AVE
OCALA, FLORIDA NOT IN TEXAS 34474-2829

THE PERSON NAMED ABOVE IS LICENSED AS A MOTOR VEHICLE MANUFACTURER FOR THE FOLLOWING LINES(S):
EMERGENCY ONE FIRE TRUCK : Fire Truck

HAVING SATISFIED THE APPLICABLE REQUIREMENTS OF CHAPTER 2301 OF THE TEXAS OCCUPATIONS CODE, CHAPTER 503 OF THE TEXAS TRANSPORTATION CODE, AND THE RULES OF THE BOARD, THE PERSON NAMED ABOVE IS HEREBY LICENSED WITH THE TEXAS DEPARTMENT OF MOTOR VEHICLES, MOTOR VEHICLE DIVISION.

Daniel Avitia

Daniel Avitia, Director
Texas Department of Motor Vehicles
Motor Vehicle Division

WARNING: PENAL CODE SECTION 37.10, PROVIDES THAT TAMPERING WITH A GOVERNMENTAL RECORD IS AN OFFENSE PUNISHABLE AS A SECOND-DEGREE FELONY.

Galveston Police Department

OFFICE OF THE CHIEF
STAFF REPORT

August 13, 2019

To: Brian Maxwell, City Manager
Hon. Mayor and City Council Members

From: Vernon L. Hale, III, Chief of Police

RE: Consider for approval to continue the League City OSSI GRID Consortium with the expenditure of $31,186.77 to maintain off-site system servers allowing full access to a multi-agency records management system. The cost has been budgeted in the Police Department's Service Support Maintenance Contracts fund.

I. Background

A. The Galveston Police Department participates in the Gulf Region Information and Dispatch (GRID) Consortium. The Department was able to purchase the OSSI records management system at a reduced cost through the Consortium.

B. The Consortium enhances each participating agency's capabilities to share information allowing for more effective, efficient law enforcement practices.

C. The Police Department is able to function off-site in the event of an emergency. The Police Department's personnel has the ability to receive and dispatch calls from the mainland as well as maintain records safe and secure.

D. Consortium member agencies have the ability to benchmark services using the same data making it feasible to determine effectiveness, crime trends, forecasting, and other comparative statistics.

II. Current Situation

A. On July 11, 2013, City Council approved an inter-local agreement with the City of League City to implement and operate the multi-agency Gulf Region Information and Dispatch (GRID) system. Since then, system maintenance has been paid annually to participate in the Consortium.

III. Issues

A. Cost - The total cost of the Police Department's share of maintenance and operation of the servers is $31,186.77.

B. Timing - The expenditure is necessary immediately to continue participation.

C. Departmental improvements – Funding enhances every aspect of the department's service delivery, from dispatching and responding to calls to investigations and records maintenance.

IV. Alternatives in order of priority

Approval of the continuation of the League City OSSI GRID Consortium project.

A. Do not approve the continuation of the League City OSSI GRID Consortium project and lose access to its services.

V. Recommendation

Concur in Alternative A and approve the continuation of the League City OSSI GRID Consortium project.

VI. Fiscal Impact Report

Requested by	Vernon L. Hale, III Chief of Police
Funding Source	0100-211415-531240-421000 Police Service Support - Maintenance Contracts
Cost	$31,186.77

Respectfully Submitted,

Vernon Hale
Chief of Police

Galveston Police Department

OFFICE OF THE CHIEF
STAFF REPORT

October 2, 2019

To: Brian Maxwell, City Manager
Hon. Mayor and City Council Members

From: Vernon L. Hale, III, Chief of Police

RE: Approval of the subscription renewal to utilize and upgrade the web-based investigation system, Leads Online. The total cost of **$15,533.00** is budgeted in the Police Department's Support Services Maintenance Contracts fund.

I. Background

A. The Police Department has continually utilized the Leads Online website to recover stolen property. It allows detectives to search for stolen property that has been pawned at locations nationwide. The system has attributed to the recovery of stolen property in past years.

B. Leads Online is a sole source provider of this data and service available exclusively to law enforcement agencies for the purpose of identifying stolen merchandise and apprehending offenders. In addition to providing access to a vast database of information revolving around property crime, Leads Online has also proven to be an asset in assisting in the investigation of major crime. Investigators have been able to locate additional identifying information and further track suspects, accomplices and witnesses of major crimes, to include homicide.

C. The Police Department currently utilizes the Power Plus version of Leads Online, which is valued at $10,666. Real Time Crime (RTC) is an additional service offered separately from Power Plus at a cost of $4,867, with the total cost of the package being $15,533. RTC, once set up to the specific standards of each agency that subscribes, will automatically gather, search and analyze incoming reported data to identify crime trends, prolific offenders and stolen property. Certain features of RTC will also conduct retroactive searches against all previously reported cases once they are entered into the system.

II. Current Situation

The City Council should approve payment of $15,533.00 to Leads Online for the annual subscription renewal and upgrade.

Galveston Police Department

OFFICE OF THE CHIEF
STAFF REPORT

III. Issues

1. Cost – $15,533.00
2. Timing – Payment is necessary as soon as feasible to continue investigations.
3. Departmental Impact – Funding the purchase will enhance the department's ability to investigate burglary and theft-related crimes in a more efficient and effective manner.

IV. Alternatives in order of priority

A. City Council approves the renewal and upgrade to the subscription.

B. City Council does not approve the renewal and upgrade to the subscription.

V. Recommendation

Concur in Alternative A and grant approval to renew and upgrade to the Leads Online Real Time Crime System.

VI. Fiscal Impact Report

Requested by	Vernon L. Hale, III Chief of Police
Funding Source	0100-211415-531240-421000 Police Service Support - Maintenance Contracts
Cost	$15,533.00

Respectfully Submitted,

Vernon L. Hale, III
Chief of Police

City of Galveston

CAPITAL PROJECTS
STAFF REPORT

8 October 2019

To: Brian Maxwell, City Manager
Hon. Mayor and City Council Members

From: J. Dudley Anderson, Building Program Manager

RE: Consider for approval of a contract with Angel Brothers Enterprises Ltd., for the 49th Street Improvements from Ave P to Ave S 1/2 project (RFP #19-29) in the amount of $3,649,779.25. Authorizing the City Manager to execute all necessary documents upon final approval by the City Attorney.

I. Background

A. The design and reconstruction of 49th Street from Ave P to Ave S ½ was included in the City of Galveston Capital Improvement Plan as project ST2002.
B. The Public Works Department is responsible for the maintenance of the City of Galveston Roadways. In order to determine the pavement condition of the roadways in 2012 the City of Galveston contracted with LJA Engineering Inc. to prepare a Roadway Evaluation Report.
C. One of the roadway projects chosen for the CIP was 49th Street from Ave P to Ave S ½.
D. The project to repave 49th Street from Ave P to Ave S ½ includes mill and overlay of the asphalt surface for an approximate length of 2,300 feet.
E. The project also includes upsizing water and sewer utilities.
F. December 14, 2017 City Council approved Stantec Engineering to provide the design of this project.

II. Current Situation

A. Competitive Sealed Proposals for project #19-29 were taken by the City of Galveston September 11, 2019.
B. Four (4) responsive proposals were received and scored as follows:
   a. Angel Brothers Enterprises Ltd. 1582
   b. Fused Industries 1395
   c. Main Lane 1545
   d. Triple B Services 1038
C. Two (2) of the respondents (Angel Brothers Enterprises Ltd. and Main Lane) received near identical scoring in the evaluation excluding cost.
D. Angel Brothers Enterprises Ltd. Was evaluated as the most responsive proposal based upon the published criteria and the lowest cost.

III. Impact or ramifications:

The proposal will provide for improvements along 49th Street from Ave P to Ave S 1/2.
The proposed cost is below the project budget of $4,299,606.00.

IV. Alternatives in order of priority

A. Approve a contract with Angel Brothers Enterprises Ltd., for 49th Street Improvements (49th Street from Ave P to Ave S 1/2) in the amount of $3,649,779.25.
B. Do not approve the contract.

V. Recommendation

Approve a contract with Angel Brothers Enterprises Ltd., for 49th Street Improvements (49th Street from Ave P to Ave S 1/2) in the amount of $3,649,779.25.

VI. Fiscal Impact Report

Requested by: J. Dudley Anderson
Building Program Manager

Funding Source:		
2017 General Obligation Bonds		
Construction	$	2,825,083.25
Contingency	$	$385,000.00
Construction Admin.	$	24,000.00
Materials Testing (est.)	$	40,000.00
2019 CO's Water		
Construction	$	824,696.00
Cost of implementation:	**$**	**4,098,779.20**

Respectfully Submitted,

J. Dudley Anderson
Building Program Manager

CITY OF GALVESTON | 10/8/2019 | 49th Street from Ave.S 1/2 to Ave P

BID TABULATION

Item No.	Spec No.	Item Description	Unit Measure	Unit Quantity	Fused Industries		Triple B Services		Main Lane		Angel Brothers	
					Unit Price (this column controls)	Total in Figures	Unit Price (this column controls)	Total in Figures	Unit Price (this column controls)	Total in Figures	Unit Price (this column controls)	Total in Figures
BASE BID ITEMS												
SITE												
1	02076	Milling Asphalt Surface (All Depths)	SY	9,018	$12.00	$108,216.00	$45.00	$405,810.00	$4.00	$36,072.00	$2.50	$22,545.00
2	02076	Removal of Asphaltic Pavement & Base Courses (All Thicknesses)	SY	4,709	$12.00	$56,508.00	$25.00	$117,725.00	$4.00	$18,836.00	$4.50	$21,190.50
3	02076	Sawcut Asphalt and Concrete	LF	1,087	$10.00	$10,870.00	$12.00	$13,044.00	$10.00	$10,870.00	$7.50	$8,152.50
4	02076	Removal of Rock Gravel from Alley	SY	251	$25.00	$6,275.00	$12.00	$3,012.00	$2.00	$502.00	$55.00	$13,805.00
5	02076	Removal of Concrete Drive	SY	522	$25.00	$13,050.00	$12.00	$6,264.00	$10.00	$5,220.00	$17.00	$8,874.00
6	02076	Removal of Concrete Sidewalk	SY	321	$25.00	$8,025.00	$12.00	$3,852.00	$10.00	$3,210.00	$9.00	$2,889.00
7	02076	Removal of Concrete Curb or Curb & Gutter	LF	1,381	$10.00	$13,810.00	$5.00	$6,905.00	$5.00	$6,905.00	$10.00	$13,810.00
8	02100	Clear and grub	CY	523	$200.00	$104,600.00	200	$104,600.00	10	$5,230.00	24	$12,552.00
9	02234	Recycled Crushed Concrete Base	SY	5,013	$16.00	$80,208.00	$40.00	$200,520.00	$18.00	$90,234.00	$17.00	$85,221.00
10	02238	Hot Mix Asphalt Base Course (All thicknesses)	TON	1,090	$125.00	$136,250.00	$135.00	$147,150.00	$110.00	$119,900.00	$157.00	$171,130.00
11	02242	Lime Stablized Subgrade	SY	5,013	$14.00	$70,182.00	$17.90	$89,732.70	$17.00	$85,221.00	$9.25	$46,370.25
12	02242	Commercial Lime Slurry (6% verify geotech report)	TON	96	$225.00	$21,600.00	$160.00	$15,360.00	$175.00	$16,800.00	$200.00	$19,200.00
13	02510	Hot Mix Asphaltic Concrete Pavement (All Thickness)	TON	2,415	$116.00	$280,140.00	$130.00	$313,950.00	$120.00	$289,800.00	$110.00	$265,650.00
14	02530	Concrete Sidewalk	SF	16,422	$11.00	$180,642.00	$9.05	$148,619.10	$8.00	$131,376.00	$9.00	$147,798.00
15	02530	Curb Ramps (type 1)	EA	52	$2,700.00	$140,400.00	$1,965.00	$102,180.00	$3,000.00	$156,000.00	$2,800.00	$145,600.00
16	02530	Sidewalk Transitions	EA	22	$608.00	$13,376.00	$1,950.00	$42,900.00	$1,400.00	$30,800.00	$2,600.00	$57,200.00
17	02531	Driveways (concrete)	SY	476	$213.00	$101,388.00	$175.00	$83,300.00	$80.00	$38,080.00	$150.00	$71,400.00
18	02532	Proposed Concrete Curb & Gutter	LF	808	$45.00	$36,360.00	$30.00	$24,240.00	$35.00	$28,280.00	$40.00	$32,320.00
19	02582	4" Solid Yellow - Type 1 Reflectorized Pavement Marking	LF	3,960	$1.00	$3,960.00	$0.70	$2,772.00	$1.00	$3,960.00	$1.10	$4,356.00
20	02582	24" Solid White - Type 1 Reflectorized Pavement Marking	LF	355	$8.00	$2,840.00	$6.00	$2,130.00	$6.00	$2,130.00	$7.00	$2,485.00
21	02582	Install "STOP" Message - Type 1 Reflectorized pavement Marking	EA	17	$170.00	$2,890.00	$190.00	$3,230.00	$150.00	$2,550.00	$17.00	$289.00
22	02583	Type I Raised Reflective Pavement Markers with One Reflective Face	EA	50	$11.00	$550.00	$6.50	$325.00	$6.00	$300.00	$7.00	$350.00
23	02583	Type II Raised Reflective Pavement Markers with One Reflective Face Blue	EA	5	$17.00	$85.00	$12.00	$60.00	$12.00	$60.00	$14.00	$70.00
24	16636	New sign Posts	LF	200	$17.00	$3,400.00	$10.00	$2,000.00	$13.00	$2,600.00	$15.00	$3,000.00
25	16636	Refurbish Sign	SF	405	$10.00	$4,050.00	$23.00	$9,315.00	$7.00	$2,835.00	$7.00	$2,835.00
26	02953	Crapemyrtle Tree	EA	29	$500.00	$14,500.00	$633.20	$18,362.80	$500.00	$14,500.00	$950.00	$27,550.00
27	02935	Sodding	SY	90	$19.00	$1,710.00	$6.50	$585.00	$6.00	$540.00	$10.00	$900.00
28	02532	Concrete curb (landscape)	LF	722	$15.00	$10,830.00	$30.50	$22,021.00	$50.00	$36,100.00	$38.00	$27,436.00
29	01570	Traffic Control Plan	EA	1	$225,000.00	$225,000.00	$125,650.00	$125,650.00	$400,000.00	$400,000.00	$180,000.00	$180,000.00
30		Extra hand excavation	CY	25	$175.00(2)	$4,375.00	$65.00(2)	$1,625.00	$20.00(2)	$500.00	$10.00(2)	$250.00
31		Extra machine excavation	CY	100	$15.00(2)	$1,500.00	$35.00(2)	$3,500.00	$20.00(2)	$2,000.00	$10.00(2)	$1,000.00
32		Extra placement of backfill material	CY	100	$45.00(2)	$4,500.00	$65.00(2)	$6,500.00	$10.00(2)	$1,000.00	$10.00(2)	$1,000.00
33		Extra cement-stabilized sand	TON	2	$50.00(2)	$100.00	$35.00(2)	$70.00	$50.00(2)	$100.00	$40.00(2)	$80.00
		Subtotal Site Items				**$1,662,190.00**		**$2,027,309.60**		**$1,542,511.00**		**$1,397,308.25**
STORM												
34	02076	Removal of Storm Pipe Culverts and Sewers (all sizes)	LF	1,490	$53.00	$78,970.00	$44.00	$65,560.00	$10.00	$14,900.00	$18.00	$26,820.00
35	02606	Type BB Inlet	EA	39	$2,525.00	$98,475.00	$3,750.00	$146,250.00	$3,000.00	$117,000.00	$2,800.00	$109,200.00
36	02606	Storm Sewer Manhole	EA	18	$3,880.00	$69,840.00	$6,000.00	$108,000.00	$4,000.00	$72,000.00	$4,600.00	$82,800.00
37	02606	Storm Sewer Conflict Manhole	EA	4	$4,800.00	$19,200.00	$14,000.00	$56,000.00	$5,000.00	$20,000.00	$2,600.00	$10,400.00

BID TABULATION

Item No.	Spec No.	Item Description	Unit Measure	Unit Quantity	Fused Industries		Triple B Services		Main Lane		Angel Brothers	
					Unit Price (this column controls)	Total In Figures	Unit Price (this column controls)	Total In Figures	Unit Price (this column controls)	Total In Figures	Unit Price (this column controls)	Total In Figures
38	02606	Storm Sewer Conflict Junction Box	EA	4	$7,984.00	$31,936.00	$17,000.00	$68,000.00	$5,000.00	$20,000.00	$6,600.00	$26,400.00
39	02615	18" RCP Storm Sewer	LF	905	$85.00	$77,010.00	$175.00	$158,550.00	$240.00	$217,440.00	$195.00	$176,670.00
40	02615	24" RCP Storm Sewer	LF	997	$99.00	$98,703.00	$205.25	$204,634.25	$240.00	$239,280.00	$155.00	$154,535.00
41	02615	5'x2' RCB Storm Sewer	LF	1,287	$343.00	$441,441.00	$600.00	$772,200.00	$700.00	$900,900.00	$475.00	$611,325.00
42	02615	15° - 5'x2' RCB Storm Sewer	EA	4	$7,950.00	$31,800.00	$525.00	$2,100.00	$1,000.00	$4,000.00	$4,500.00	$18,000.00
43		Traffic rated Grate over the gutter (cast iron)	LF	114	$395.00	$45,030.00	$510.00	$58,140.00	$100.00	$11,400.00	$465.00	$53,010.00
44		Jet cleaning existing storm sewer(where the new system tying into)	EA	2	$2,800.00	$5,600.00	$3,200.00	$6,400.00	$1,000.00	$2,000.00	$7,200.00	$14,400.00
45	01563	Well Pointing including labor, materials and pump	LF	3,000	$28.00	$84,000.00	$35.00	$105,000.00	$40.00	$120,000.00	$24.00	$72,000.00
46	01526	Trench Safety System (all sizes, all depths)	LF	6,673	$1.00	$6,673.00	$2.00	$13,346.00	$2.00	$13,346.00	$9.00	$60,057.00
47	01567	Filter Fabric Fence	LF	4,032	$2.00	$8,064.00	$1.50	$6,048.00	$2.00	$8,064.00	$1.50	$6,048.00
48	01567	Inlet Protection Barrier	LF	1,222	$6.50	$7,943.00	$1.50	$1,833.00	$2.00	$2,444.00	$5.00	$6,110.00
		Subtotal Storm Items				**$1,104,685.00**		**$1,772,061.25**		**$1,762,774.00**		**$1,427,775.00**
WATER												
49	02627	Adjusting Meter Box	EA	5	$550.00	$2,750.00	$465.00	$2,325.00	$500.00	$2,500.00	$509.00	$2,545.00
50	02645	Fire Hydrant Assembly, including Gate Valves and Boxes	EA	5	$677.00	$3,385.00	$4,625.00	$23,125.00	$7,000.00	$35,000.00	$4,600.00	$23,000.00
51	02645	6" Hydrant Branch, including Tee.	LF	112	$266.00	$29,792.00	$41.00	$4,592.00	$110.00	$12,320.00	$98.00	$10,976.00
52	02645	Remove and Salvage Existing Fire Hydrant	EA	5	$700.00	$3,500.00	$400.00	$2,000.00	$600.00	$3,000.00	$673.00	$3,365.00
53	02076	Removal of 6"-10" Water Line	LF	300	$50.00	$15,000.00	$31.00	$9,300.00	$22.00	$6,600.00	$6.00	$1,800.00
54	02664	8" PVC Water (C-900) by open-cut, including valves and fittings	LF	640	$183.00	$117,120.00	$169.45	$108,448.00	$150.00	$96,000.00	$210.00	$134,400.00
55	02664	10" PVC Water (C-900) by open-cut, including valves and fittings restrained joint	LF	3,069	$180.00	$552,420.00	$143.00	$438,867.00	$140.00	$429,660.00	$149.00	$457,281.00
56	02665	3/4" - 1" copper service line and water tap, short side	EA	6	$913.00	$5,478.00	$2,222.00	$13,332.00	$1,500.00	$9,000.00	$734.00	$4,404.00
57	02665	3/4" - 1" copper service line and water tap, long side	EA	9	$945.00	$8,505.00	$2,600.00	$23,400.00	$2,000.00	$18,000.00	$1,625.00	$14,625.00
58	02665	1.5" - 2" copper service line and water tap, short side	EA	1	$2,061.00	$2,061.00	$4,000.00	$4,000.00	$4,000.00	$4,000.00	$1,500.00	$1,500.00
59	02667	8" Wet Connection	EA	16	$1,390.00	$22,240.00	$1,450.00	$23,200.00	$1,400.00	$22,400.00	$2,000.00	$32,000.00
60	02667	10" Wet Connection	EA	3	$2,000.00	$6,000.00	$1,500.00	$4,500.00	$1,500.00	$4,500.00	$2,800.00	$8,400.00
61	02669	6" Cut, Plug and Abandonment of Water Main	EA	8	$930.00	$7,440.00	$900.00	$7,200.00	$700.00	$5,600.00	$341.00	$2,728.00
62	02669	8" Cut, Plug, and Abandonment of Water Main	EA	2	$1,171.00	$2,342.00	$935.00	$1,870.00	$700.00	$1,400.00	$380.00	$760.00
		Subtotal Water Items				**$778,033.00**		**$666,159.00**		**$649,980.00**		**$697,784.00**
SANITARY												
63	02076	Removal of 8" - 12" Sanitary Sewer	LF	608	$84.00	$51,072.00	$31.00	$18,848.00	$10.00	$6,080.00	$12.00	$7,296.00
64	02730	6" PVC Sanitary (SDR-26) by open-cut, including fittings	LF	83	$330.00	$27,390.00	$265.00	$21,995.00	$200.00	$16,600.00	$110.00	$9,130.00
65	02730	10" PVC Sanitary (SDR-26) by open-cut, including fittings	LF	375	$243.00	$91,125.00	$305.00	$114,375.00	$180.00	$67,500.00	$116.00	$43,500.00
66	02730	12" PVC Sanitary (SDR-26) by open-cut, including fittings	LF	150	$190.00	$28,500.00	$310.00	$46,500.00	$150.00	$22,500.00	$126.00	$18,900.00
67	02730	Connect to Existing Manhole and Adjust Rim	EA	8	$4,700.00	$37,600.00	$2,100.00	$16,800.00	$1,900.00	$15,200.00	$935.00	$7,480.00
68	02762	Waste Water Access Device	EA	8	$3,100.00	$24,800.00	$5,700.00	$45,600.00	$2,500.00	$20,000.00	$2,200.00	$17,600.00
69	02733	TV Inspect Sewer	LF	608	$4.25	$2,584.00	$1.50	$912.00	$10.00	$6,080.00	$6.00	$3,648.00
70	02733	Mechanically Clean Sewer	LF	50	$25.00	$1,250.00	$15.00	$750.00	$10.00	$500.00	$12.00	$600.00
71	02762	Sanitary Sewer Service	EA	4	$1,550.00	$6,200.00	$6,000.00	$24,000.00	$2,500.00	$10,000.00	$1,600.00	$6,400.00
72	02790	Bypass Setup for 4" Pump	EA	1	$3,000.00	$3,000.00	$6,500.00	$6,500.00	$5,000.00	$5,000.00	$2,950.00	$2,950.00
73	02790	Bypass Pumping for each 4" Pump	DAY	16	$2,900.00	$46,400.00	$3,000.00	$48,000.00	$1,000.00	$16,000.00	$588.00	$9,408.00
		Subtotal Sanitary Items				**$319,921.00**		**$344,280.00**		**$185,460.00**		**$126,912.00**

ALTERNATE BID ITEMS

ALTERNATE 1

Stantec

BID TABULATION

Item No.	Spec No.	Item Description	Unit Measure	Unit Quantity	Fused Industries		Triple B Services		Main Lane		Angel Brothers	
					Unit Price (this column controls)	Total in Figures	Unit Price (this column controls)	Total in Figures	Unit Price (this column controls)	Total in Figures	Unit Price (this column controls)	Total in Figures
74	02627	Remove, Salvage and Relocate Water Meter and Box	EA	16	$400.00	$6,400.00	$600.00	$9,600.00	$650.00	$10,400.00	$233.00	$3,728.00
		Subtotal Alternate 1				**$6,400.00**		**$9,600.00**		**$10,400.00**		**$3,728.00**
ALTERNATE 2												
75	02664	Install 6" water	LF	640	$130.00	$83,200.00	$175.00	$112,000.00	$150.00	$96,000.00	$228.00	$145,920.00
76	02664	Install 10" water	LF	3,059	$130.00	$398,970.00	$120.00	$368,280.00	$140.00	$429,660.00	$163.00	$500,247.00
		Subtotal Alternate 2				**$482,170.00**		**$480,280.00**		**$525,660.00**		**$646,167.00**

SUMMATION

SUBTOTAL SITE ITEMS 1-33		$1,662,190.00	$2,027,309.60	$1,542,511.00	$1,397,308.25
SUBTOTAL STORM ITEMS 34-48		$1,104,685.00	$1,772,061.25	$1,762,774.00	$1,427,775.00
SUBTOTAL WATER ITEMS 49-62		$778,033.00	$666,159.00	$649,980.00	$697,784.00
SUBTOTAL SANITARY ITEMS 63-73		$319,921.00	$344,280.00	$185,460.00	$126,912.00
TOTAL BASE BID ITEMS 1-73		$3,864,829.00	$4,609,809.85	$4,140,725.00	$3,649,779.25
ALTERNATE 1 ITEMS 74		$6,400.00	$9,600.00	$10,400.00	$3,728.00
ALTERNATE 2 ITEMS 75-76		$482,170.00	$480,280.00	$525,660.00	$646,167.00

City of Galveston

CAPITAL PROJECTS
STAFF REPORT

8 October 2019

To: Brian Maxwell, City Manager
Hon. Mayor and City Council Members

From: J. Dudley Anderson, Building Program Manager

RE: Consider for approval Change Order No. 3 to the contract with Main Lane Industries, Ltd., for the 45th Street Improvements from Broadway to Seawall Boulevard project, increasing the contract by $359,018.80 from the amount of $10,020,253.00 to a new total amount of $10,379,271.80. Authorizing the City Manager to execute all necessary documents upon final approval by the City Attorney.

I. Background

A. The design and reconstruction of 45th Street was included in the City of Galveston Capital Improvement Plan.
B. This project includes rebuilding the roadway, installing larger inlets and lateral storm sewer system components to improve drainage, and replacement of aged water and sewer lines. Also included in the design are sidewalks and ADA ramps, bicycle and parking lanes.
C. On 25 May 2017, the City Council approved Arceneaux, Wilson, and Cole, LLC. to perform engineering design for the 45th Street Improvements from Broadway to Seawall Boulevard project.
D. The City Council awarded a contract with Main Lane Industries, Ltd. in the amount of $8,994,097.00 on 13 December 2018 for the construction of this project.
E. The contract was increased by $854,026.00 to the amount of $9,848,123.00 in Change Order No. 1 on 28 February 2019. This change provided the rebuild of 45th as concrete paving instead of asphalt.
F. The contract was increased by $172,130.00 to the amount of $10,020,253.00 in Change Order No. 2 on 16 July 2019. This change increased the size of the water line from 8" to 12" on certain portions of 45th Street.

II. Current Situation

A. The original design of this project anticipated a storm sewer line in 45th Street from Avenue K to Cedar Lawn Circle. That storm sewer line was not in the anticipated location and the condition cannot be verified to assure long term performance.
B. It is prudent and desirable to increase the capacity of the underground storm sewer system from Avenue K to Avenue N at this time to avoid the possibility of having to replace the existing line at a higher cost later.
C. This additional storm sewer line will provide more drainage capacity and relief from some high water issues in this area.
D. This additional system extends the project approximately 6 months and increases the expense of traffic control for that time period.
E. Using the unit prices from their bid, Main Lane has submitted a proposal in the amount of $242,000.00 to install 1,210 lineal feet of 18 inch Reinforced concrete pipe under the pavement from Avenue K to Avenue N.

F. AWC has recommended approval of this request.

III. Impact or ramifications:

The proposal would provide more drainage capacity and relief from some high water issues for the businesses and residents along 45th Street.

IV. Alternatives in order of priority

A. Approve Change Order No. 3 to the contract with Main Lane Industries, Ltd., for the 45th Street Improvements from Broadway to Seawall Boulevard project, increasing the contract by $359,018.80 from the amount of $10,020,253.00 to a new total amount of $10,379,271.80.

B. Do not approve the request.

V. Recommendation

Approve Change Order No. 3 to the contract with Main Lane Industries, Ltd., for the 45th Street Improvements from Broadway to Seawall Boulevard project, increasing the contract by $359,018.80 from the amount of $10,020,253.00 to a new total amount of $10,379,271.80.

VI. Fiscal Impact Report

Requested by: J. Dudley Anderson
Building Program Manager

Funding Source:

2017 General Obligation Bonds			
Construction	$	7,264,053.00	(increase of $359,018.80)
Contingency	$	0	
Inspection	$	130,000.00	
Materials Testing (est.)	$	60,000.00	
Water Bonds			
Construction	$	2,179,305.00	
Contingency	$	0	
Inspection	$	12,000.00	
Sanitary Sewer Bonds			
Construction	$	578,395.00	
Contingency	$	60,000.00	
Inspection	$	12,000.00	
Cost of implementation:		**$ 10,653,271.80**	

Respectfully Submitted,

J. Dudley Anderson
Building Program Manager

City of Galveston

45th Street Improvements (Broadway – Seawall)

Construction Contract Change Order Number 3

Consultant:	Owner:	Contractor:
Arceneaux Wilson & Cole LLC 2901 Turtle Creek Drive, Suite 320 Port Arthur, Texas 77642 Phone No.: 409.724.7888	City of Galveston 823 Rosenberg Galveston, Texas 77550 Phone No.: 409.797.3630	Main Lane Industries, Ltd. 14115 Luthe Rd., Suite 100 Houston, TX 77039 Phone No.: 713.896.3141 NTP Date: 2/25/19

Change in Contract Price		Change in Contract Time (Calendar Days)	
Original Contract Price:	$ 8,994,097.00	Original Contract Time:	365 days
Previous Change Order(s): No. 1 to No. 1	$ 1,026,156.00	Net Change From Previous Change Orders:	96 days
Contract Price Prior to this Change Order:	$ 10,020,253.00	Contract Time Prior to this Change Order:	461 days
Net Increase/~~Decrease~~ of this Change Order:	$ 359,018.80	Net Increase/~~Decrease~~ of this Change Order:	180 days
Contract Price With all Approved Change Orders:	$ 10,379,271.80	Contract Time With all Change Orders:	641 days
Cumulative Percent Change in Contract Price (+/-):	+ 15.40%	Construction Contract End Date: (mm/dd/yy)	11/27/20

RECOMMENDED:	APPROVED:	ACCEPTED:
By: _____	By: _____	By: _____
ARCENEAUX WILSON & COLE	CITY OF GALVESTON	MAIN LANE INDUSTRIES
Date: 10/08/2019	Date: _____	Date: 10/8/19

NOTE: A cumulative change in the contract price in excess of 25% cannot be reviewed.

ARCENEAUX WILSON & COLE
engineering | surveying | planning

October 8, 2019

Mr. Dudley Anderson
City of Galveston
823 Rosenburg
Room 205
Galveston, Texas 77550

RE: **45th Street Improvements from Broadway to Seawall**
CHANGE ORDER NO. 3, AWC Job No. COG-150

Dear Mr. Anderson:

Arceneaux Wilson & Cole, LLC has reviewed the Change Order No. 3 for the 45th Street Improvements from Broadway to Seawall project and recommends approval of the construction contract changes. We provide the following explanations for the proposed changes to the contract scope and associated cost.

Regarding this Change Order time and cost, the overall result for this change order is to increase the contract amount by $359,018.80. These costs include the following changes in quantities:

- Bid Item 2 – Add 6 MO ~ Traffic Control @ $22,250.00/MO ($133,500.00)
- Bid Item 36 – Remove 1 EA ~ Type C Storm Sewer Manhole @ $3,000.00/EA (-$3,000.00)
- Bid Item 37 – Add 1210 LF ~ 18" RCP @ $200.00/LF ($242,000.00)
- Bid Item 38 – Remove 495 LF ~ 15" RCP @ $180.00/LF (-$89,100.00)
- Bid Item 39 – Remove 28 EA ~ Type B Modified Inlet @ $2,500.00/EA (-$70,000.00)
- Bid Item 40 – Remove 1 EA ~ Conflict Structures @ $7,000.00 (-$7,000.00)
- Bid Item 41 – Add 7 EA ~f Storm Sewer Junction Box @ $10,000.00 ($70,000.00)
- New Bid Item – Add 120 LF ~ Ave K RCB Top Revision @ $238.49 ($28,618.80)
- New Bid Item – Add 18 EA ~ Type C Modified Inlet @ $3,000.00 ($54,000.00)

I have attached Change Order No. 3 which modifies the contract to reflect this change for your consideration and action. This Change Order also included an additional 180 days for the additional work. Should you have any questions or require additional information, please contact our office.

Very truly yours,
Arceneaux Wilson & Cole LLC
TEXAS REGISTERED ENGINEERING FIRM F-16194

Marc Ochoa, P.E.
Senior Project Manager

409.724.7888
2901 Turtle Creek Dr., Suite 320
Port Arthur, TX 77642
awceng.com

Engineering F-16194 **Surveying** 10194049

City of Galveston
Construction Division
823 Rosenberg
Galveston, TX 77550

Arceneaux Wilson & Cole
2901 Turtle Creek Drive, Suite 320
Port Arthur, TX 77642

Attention: Marc Ochoa
Project Engineer

October 4th , 2019

Re: Cost Proposal 5
Project 45th Street Reconstruction (Broadway – Seawall Blvd.)

Purchase Order No. P1900823

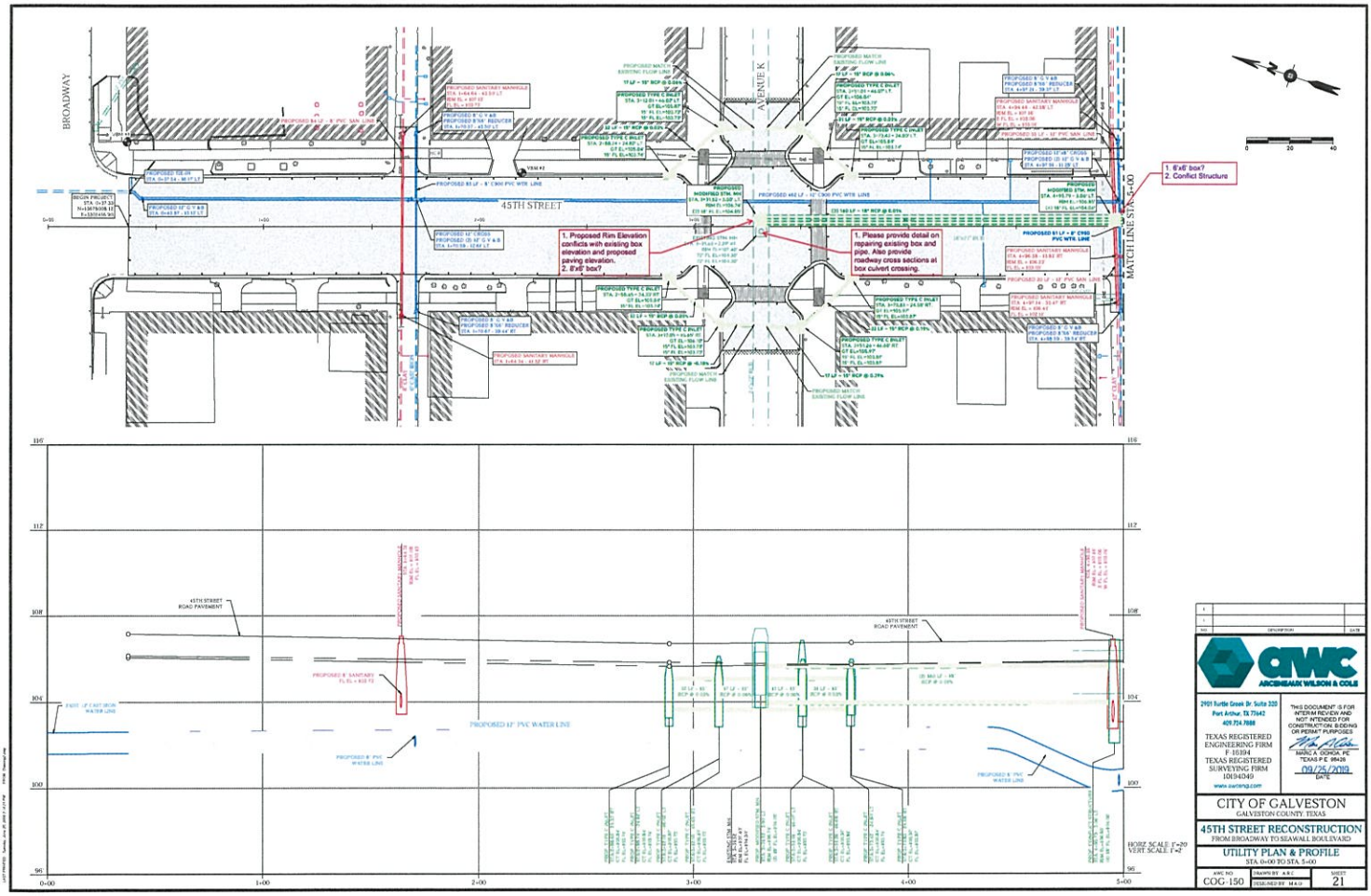
Mr. Ochoa,
Please find below pricing for proposed storm sewer revisiond from Broadway to Avenue N. This proposal utilizes existing 24" pipes on the West side of 45th whose outfall and condition are unknown. The proposal is not inclusive of any additional cleaning or repairs deemed necessary for the existing 24" pipe heading North from Avenue L. The proposed conflict structures where double runs of 18" RCP is proposed will be billed under existing contract item 41 "Storm Sewer Junction Box". This bid item will also be utilized to bill the proposed Junction boxes with manhole access. This proposal includes the revised inlets from Type B to specialized Type C for Galveston. Also included is the proposed RCB top solution for Avenue K. Main Lane is requesting a 180 day time extension in addition to the proposed storm revisions.

Contract Item	Description	Quantity	Unit	Unit Price	Total
Bid Item 2	Traffic Control	6	MO	$22,250.00	$133,500.00
Bid Item 36	Type C Storm Sewer Manhole	-1	EA	$3,000.00	-$3,000.00
Bid Item 37	18" RCP	1210	LF	$200.00	$242,000.00
Bid Item 38	15" RCP	-495	LF	$180.00	-$89,100.00
Bid Item 39	Type B Modified Inlet	-28	EA	$2,500.00	-$70,000.00
Bid Item 40	Conflict Structures	-1	EA	$7,000.00	-$7,000.00
Bid Item 41	Storm Sewer Junction Box	7	EA	$10,000.00	$70,000.00
New Bid Item	Ave K RCB Top	120	LF	$238.49	$28,618.80
New Bid Item 39A	Type C Modified Inlet	18	EA	$3,000.00	$54,000.00
Requested Total Additional Payment					$359,018.80

Once you have had an opportunity to review this information, please let me know if you require additional information and wish to proceed with the proposed work. Thank you.

Best Regards,
Ed Henkel

Ed Henkel
Project Manager
Main Lane Industries



NO.	DESCRIPTION	DATE
1		
2		

ARCHINAUT, WILSON & COLE
2901 Turtle Creek Dr. Suite 320
Port Arthur, TX 77642
409.724.7888
TEXAS REGISTERED ENGINEERING FIRM F-11394
TEXAS REGISTERED SURVEYING FIRM 10194040
www.awtenq.com

"THIS DOCUMENT" IS FOR INTERIM REVIEW AND NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES

NIKKI A. OCHOA, PE
TEXAS P.E. 89428
09/25/2019
DATE

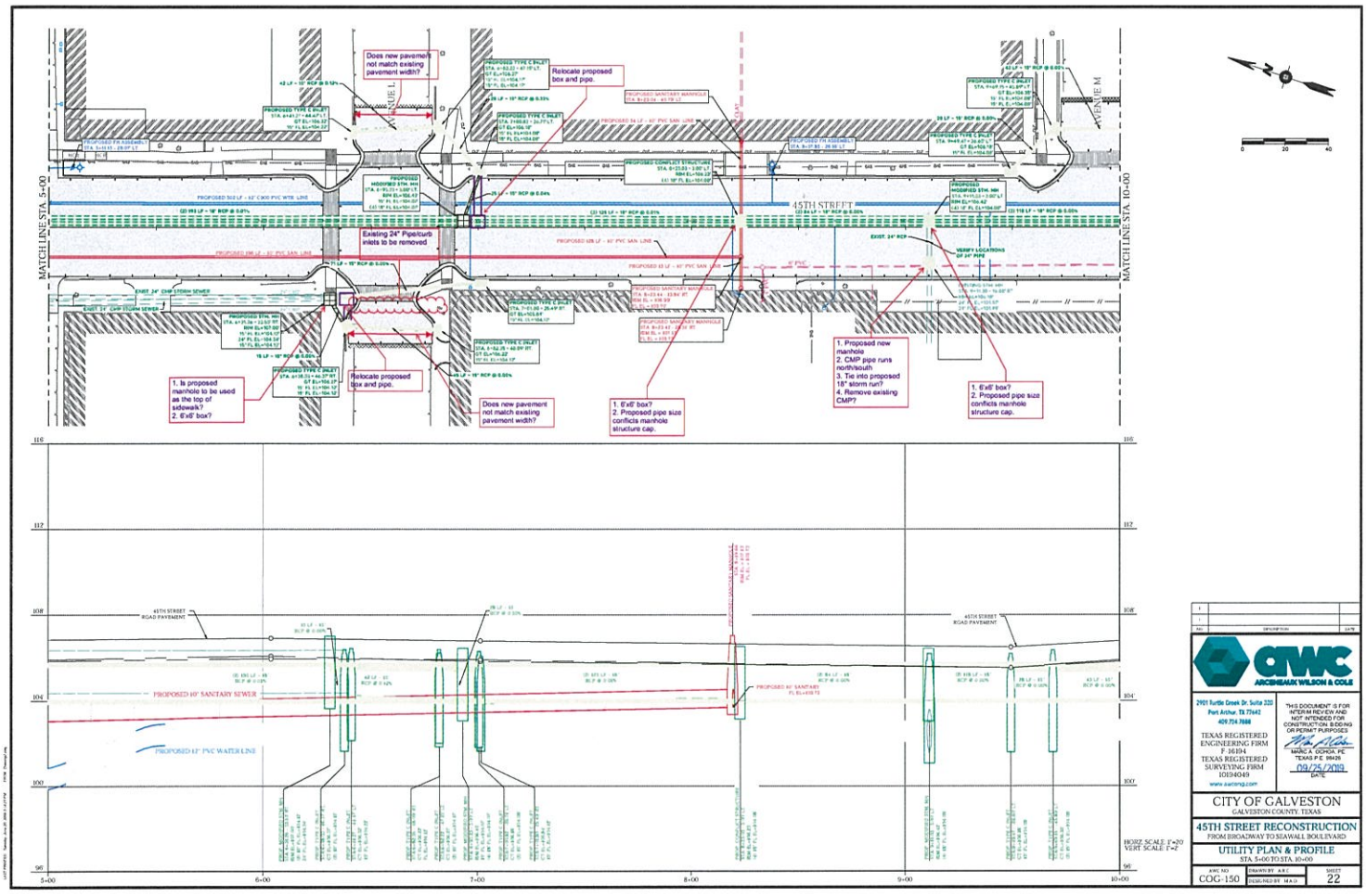
CITY OF GALVESTON
GALVESTON COUNTY, TEXAS

45TH STREET RECONSTRUCTION
FROM BROADWAY TO SEAWALL BOULEVARD

UTILITY PLAN & PROFILE
STA. 0+00 TO STA. 5+00

HORIZ SCALE 1"=20'
VERT SCALE 1"=2'

AWC NO. COG-150 | DRAWN BY: A.R.C. | DESIGNED BY: M.A.O. | SHEET 21



NO.	DESCRIPTION	DATE
1		
2		

ARCHBMAUK WILSON & COLE
2901 Turtle Creek Dr. Suite 220
Port Arthur, TX 77642
409.724.7688
TEXAS REGISTERED ENGINEERING FIRM F-16194
TEXAS REGISTERED SURVEYING FIRM 10194049
www.awmpg.com

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MARC A. OCHOA, PE
TEXAS P.E. 99426

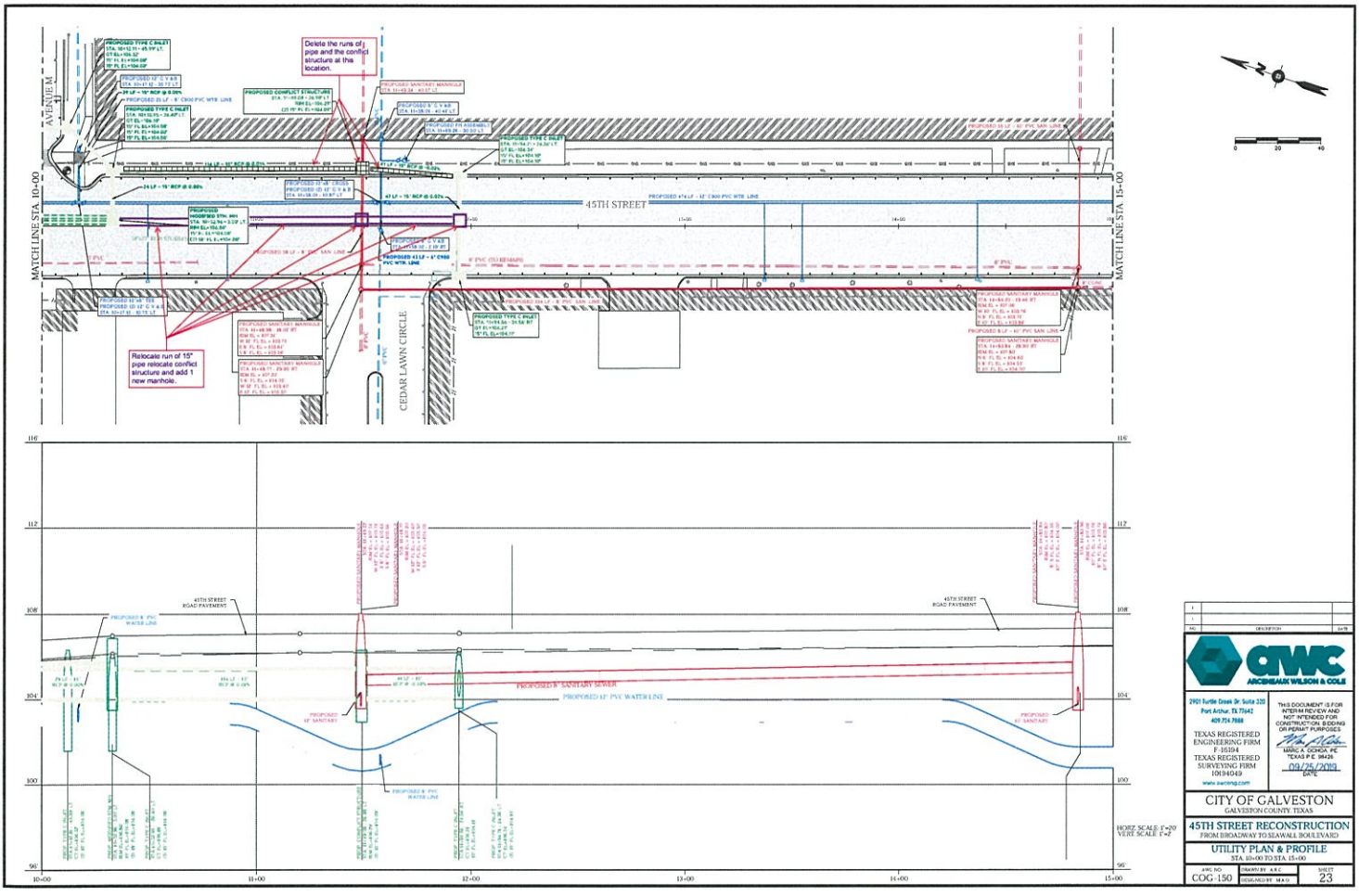
09/25/2019
DATE

CITY OF GALVESTON
GALVESTON COUNTY, TEXAS

45TH STREET RECONSTRUCTION
FROM BROADWAY TO SEAWALL BOULEVARD

UTILITY PLAN & PROFILE
STA. 5+00 TO STA. 10+00

AWC NO. COG-150
DRAWN BY: A.R.C.
DESIGNED BY: M.A.O.
SHEET 22



NO.	DESCRIPTION	DATE
1		
2		

AWC
ARCHIBALK WILSON & COLE
2901 Turtle Creek Dr. Suite 220
Port Arthur, TX 77642
409.724.7888
TEXAS REGISTERED ENGINEERING FIRM F-10394
TEXAS REGISTERED SURVEYING FIRM 10094049
www.awceng.com

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MARC A. GOMEZ, PE
TEXAS P.E. 96426
09/25/2019
DATE

CITY OF GALVESTON
GALVESTON COUNTY, TEXAS

45TH STREET RECONSTRUCTION
FROM BROADWAY TO SEAWALL BOULEVARD

UTILITY PLAN & PROFILE
STA. 10+00 TO STA. 15+00

AWC NO.	DRAWN BY	SHEET
COG-150	A.R.C.	23
	DESIGNED BY M.A.G.	

AVE K - RCB Top

Work Date:	TBD	Job:	COG, 45th Street Reconstruction	
Material	**Quantity**	**Unit**	**Unit Price**	**Total**
PMD (6'3")	120	LF	$20.53	$2,463.60
Stabilized Sand	40	TN	$24.35	$974.00
		SUBTOTAL		$3,437.60
		MARK UP	15%	$515.64
		TOTAL		$3,953.24

Subcontractor	**Quantity**	**Unit**	**Unit Price**	**Total**
Wall Saw Cut	1	EA	$7,500.00	$7,500.00
		Subtotal		$7,500.00
		Markup	15%	$1,125.00
			Total	$8,625.00

Labor	**Hours**	**Rate**	**Total**
Foreman	35	$52.50	$1,837.50
Conc Finisher	35	$21.50	$752.50
Form Setter	35	$18.50	$647.50
Concrete Finisher	35	$20.50	$717.50
Utility Laborer	35	$16.50	$577.50
Form Setter	35	$18.00	$630.00
Operator	35	$19.50	$682.50
Utility Laborer	35	$20.00	$700.00
Concrete Finisher	35	$16.00	$560.00
Utility Laborer	35	$15.00	$525.00
			$7,630.00
Labor Load	55%	$7,630.00	$4,196.50
Labor Markup	15%	$7,630.00	$1,144.50
		Total	$12,971.00

Equipment	**Hours**	**Ownership $/Mo**	**Operating $/Hr**	**Total**
Foreman Truck	35		$22.36	$782.60
Utility Trailer	35		$2.77	$96.95
Air Compressor	35		$18.59	$650.65
Crew Truck	35		$25.50	$892.50
Subtotal Equipment				$2,422.70
			Markup 15%	$363.41
			Total	$2,786.11

Totals	
Material	$3,953.24
Labor	$12,971.00
Equipment	$2,786.11
Subcontractors	$8,625.00
Subtotal	$28,335.35
Bond 1.00%	$283.35
Total	$28,618.70

Ave K RCB Top	120	LF	$238.49	$28,618.70

NOTES:
1. Craftsmen labor rates include 10% prorating for overtime.
2. Equipment hourly rates are based on Blue Book monthly rate adjusted by age and regional factors divided by 176 hours plus operation cost.

Type C Inlet - Specialized

Work Date:	TBD	Job:	COG, 45th Street Reconstruction							
Material	**Quantity**	**Unit**	**Unit Price**	**Total**	**Equipment**	**Hours**	**Ownership $/Mo**	**Operating $/Hr**	**Total**
Special Inlets	20	EA	$1,230.00	$24,600.00	Crew Truck	35		$22.36	$782.60
Stabilized Sand	100	TN	$24.35	$2,435.00	Back Hoe	35		$34.58	$1,210.30
					Hitachi 350	35		$142.01	$4,970.35
					Hitachi 250	35		$109.56	$3,834.60
		SUBTOTAL		$27,035.00	Loader	35		$62.46	$2,186.10
		MARK UP	15%	$4,055.25					
		TOTAL		$31,090.25					
Subcontractor	**Quantity**	**Unit**	**Unit Price**	**Total**	Subtotal Equipment				$12,983.95
Trucking	50	HR	$51.00	$2,550.00				Markup 15%	$1,947.59
				$0.00					
								Total	$14,931.54
		Subtotal		$2,550.00					
		Markup	15%	$382.50					
			Total	$2,932.50					
Labor	**Hours**	**Rate**	**Total**						
Foreman	35	$35.75	$1,251.25		**Totals**				
Utility Laborer	35	$15.40	$539.00		Material				$31,090.25
Utility Laborer	35	$20.63	$721.88		Labor				$11,371.94
Utility Laborer	35	$15.40	$539.00		Equipment				$14,931.54
Utility Laborer	35	$20.35	$712.25		Subcontractors				$2,932.50
Pipelayer	35	$14.85	$519.75		Subtotal				$60,326.23
Operator - Front End Loader	35	$20.35	$712.25		Bond			1.00%	$603.26
Operator - Excavator	35	$24.75	$866.25		Total				$60,929.49
Operator - Excavator	35	$23.65	$827.75						
			$6,689.38		Type C Inlet	20	EA	$3,000.00	$60,000.00
Labor Load	55%	$6,689.38	$3,679.16						
Labor Markup	15%	$6,689.38	$1,003.41						
		Total	$11,371.94						

NOTES:

1. Craftsmen labor rates include 10% prorating for overtime.
2. Equipment hourly rates are based on Blue Book monthly rate adjusted by age and regional factors divided by 176 hours plus operation cost.

D-MAC

ACCELERATED Steel Bridge Form

1880 D-MAC DRIVE
ALPHARETTA, GA 30004
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770-664-7120
800-878-DMAC (3622)
FAX: 770-664-5682
bfp@d-macindustries.com

19TX MC2CIVIL 100419

Quote Date: 10/4/2019
Structures: Culvert
Location: Houston, Texas

633 sf PMDF pans and screws only (6'-3" pans x 45" wide x 27 pc)	**$**	**2,464**
Unit price = $3.95/sf		

Respectfully submitted by: Dan Guinn

Accepted by:_____ Date:_____

(printed name)_____

Ed Henkel

From: Calhoun, Brian <Brian.Calhoun@oldcastle.com>
Sent: Wednesday, August 21, 2019 4:57 PM
To: Ed Henkel
Cc: Roland Robarge; John Nichols
Subject: RE: 45th Street - Precast Box Lids

The pricing for below mentioned items are listed below.
30x60 "Custom TY H-2" Includes a 26" base / H-2 Top/ 24" Galveston Storm Cover = $1230 each

Oldcastle Infrastructure
A CRH COMPANY

Brian Calhoun
TxDOT Regional Project Manager

2120 FM 359 S
Brookshire, TX 77423

P 713/934-7900 | **C** 281-507-3626
E brian.calhoun@oldcastle.com

oldcastleinfrastructure.com

Employee	FirstName	LastName	Crew	HrlyRate	Class Desc
621	JUAN	VILLANUEVA	VILJUA	52.50	FOREMAN
623	MANUEL	HERNANDEZ	VILJUA	21.50	CONC. FINISHER PAVING - 1124
624	JUAN	NAVA	VILJUA	18.50	FORM SETTER PAV & CURB -1160
625	MARCELINO	PATINO	VILJUA	20.50	CONC. FINISHER PAVING - 1124
626	HERNAN	PORTILLO	VILJUA	16.50	LABORER - UTILITY 1175
629	CESAR	VILLANUEVA	VILJUA	18.00	FORM SETTER PAV & CURB -1160
630	FRANCISCO	VILLANUEVA	VILJUA	19.50	TRK DVR SGLE/TNDEM AX DUMP TK
631	JOSE	VILLANUEVA	VILJUA	20.00	LABORER - UTILITY 1175
683	MARTIN	MARTINEZ	VILJUA	16.00	CONC. FINISHER PAVING - 1124
686	JOSE	PEREZ	VILJUA	15.00	LABORER - UTILITY 1175

EquipmentWatch

www.equipmentwatch.com

All prices shown in US$

Adjustments for ZX240 in All Saved Models

June 13, 2019

Hitachi ZAXIS 240LC-3 (disc. 2011)
Crawler Mounted Hydraulic Excavators

Size Class:
24.1 - 28.0 MTons
Weight:
54654 MT

Configuration for ZAXIS 240LC-3 (disc. 2011)

Bucket Capacity - Heaped	**1.38 cu yd**	Net Horsepower	**177.0 hp**
Operating Weight	**24.8 mt**	Power Mode	**Diesel**

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	**Weekly**	**Daily**	**Hourly**	**Hourly**	**Hourly**
Published Rates	$9,780.00	$2,740.00	$685.00	$105.00	$58.15	$113.72
Adjustments						
Region (Houston, Texas: 92.7%)	($713.94)	($200.02)	($50.01)	($7.66)		
Model Year (2011: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	**$9,066.06**	**$2,539.98**	**$634.99**	**$97.33**	**$58.15**	**$109.66**

Non-Active Use Rates

	Hourly
Standby Rate	$26.79
Idling Rate	$75.82

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	36%	$3,520.80/mo
Overhaul (ownership)	48%	$4,694.40/mo
CFC (ownership)	9%	$880.20/mo
Indirect (ownership)	7%	$684.60/mo
Fuel (operating) @ 3.27	42%	$24.31/hr

Revised Date: 1st half 2019

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

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EquipmentWatch™

www.equipmentwatch.com

All prices shown in US$

Adjustments for ZX350 in All Saved Models

September 18, 2017

Hitachi ZAXIS 350LC-3 (disc. 2011)
Crawler Mounted Hydraulic Excavators

Size Class:
33.1 - 40.0 MTons
Weight:
77,269 lbs.

Configuration for ZAXIS 350LC-3 (disc. 2011)

Operating Weight	**35.1 mt**	Net Horsepower	**271 hp**
Power Mode	**Diesel**	Bucket Capacity - Heaped	**2.3 cu yd**

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	**Weekly**	**Daily**	**Hourly**	**Hourly**	**Hourly**
Published Rates	$13,520.00	$3,785.00	$945.00	$140.00	$70.80	$147.62
Adjustments						
Region (Houston, Texas: 92.7%)	($986.96)	($276.31)	($68.99)	($10.22)		
Model Year (2011: 100%)	-	-	-	-		
Ownership (100%)	-	-	-	-		
Operating (100%)					-	
Total:	**$12,533.04**	**$3,508.69**	**$876.01**	**$129.78**	**$70.80**	**$142.01**

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	36%	$4,867.20/mo
Overhaul (ownership)	49%	$6,624.80/mo
CFC (ownership)	7%	$946.40/mo
Indirect (ownership)	8%	$1,081.60/mo
Fuel (operating) @ 2.53	41%	$28.80/hr

Revised Date: 2nd Half 2017

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All prices shown in US dollars ($)

Adjustments for Crew truck F-650 in All Saved Models

October 4, 2019

Miscellaneous 4X2 20KGVW DSL
On-Highway Flatbed Trucks

Size Class:
19,501 - 26,000 GVW
Weight:
6828 lbs

Configuration for 4X2 20KGVW DSL

Axle Configuration	**4X2**	Horsepower	**200.0**
Maximum Gross Vehicle Weight	**20000.0 lbs**	Power Mode	**Diesel**

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD $1,440.00	USD $405.00	USD $100.00	USD $15.00	USD $18.08	USD $26.26
Adjustments						
Region (Texas: 91.4%)	(USD $123.84)	(USD $34.83)	(USD $8.60)	(USD $1.29)		
Model Year (2016: 99.2%)	(USD $10.53)	(USD $2.96)	(USD $0.73)	(USD $0.11)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	**USD $1,305.63**	**USD $367.21**	**USD $90.67**	**USD $13.60**	**USD $18.08**	**USD $25.50**

Non-Active Use Rates

	Hourly
Standby Rate	USD $3.71
Idling Rate	USD $19.45

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	48%	USD $691.20/mo
Overhaul (ownership)	31%	USD $446.40/mo
CFC (ownership)	9%	USD $129.60/mo
Indirect (ownership)	12%	USD $172.80/mo
Fuel (operating) @ USD 3.07	67%	USD $12.03/hr

Revised Date: 2nd half 2019

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All prices shown in US dollars ($)

Adjustments for Air Compressor in All Saved Models

October 4, 2019

Miscellaneous 185 CFM DIESEL
Portable Rotary Screw Air Compressors

Size Class:
125 - 249 cfm
Weight:
2100 cu ft

Configuration for 185 CFM DIESEL

Air Delivery Rating	**185.0 cu ft/min**	Horsepower	**80.0**
Power Mode	**Diesel**	Rated Pressure @ Psi	**125.0**

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD $1,055.00	USD $295.00	USD $74.00	USD $11.00	USD $13.27	USD $19.26
Adjustments						
Region (Texas: 89.8%)	(USD $107.61)	(USD $30.09)	(USD $7.55)	(USD $1.12)		
Model Year (2016: 98.9%)	(USD $10.42)	(USD $2.91)	(USD $0.73)	(USD $0.11)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	**USD $936.97**	**USD $262.00**	**USD $65.72**	**USD $9.77**	**USD $13.27**	**USD $18.59**

Non-Active Use Rates

	Hourly
Standby Rate	USD $2.66
Idling Rate	USD $14.16

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	24%	USD $253.20/mo
Overhaul (ownership)	63%	USD $664.65/mo
CFC (ownership)	6%	USD $63.30/mo
Indirect (ownership)	6%	USD $63.30/mo
Fuel (operating) @ USD 3.07	67%	USD $8.84/hr

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All prices shown in US dollars ($)

Adjustments for 16' UTILITYY TRAILER in All Saved Models

October 4, 2019

Miscellaneous TOW 2 1 3
Non-Tilt Deck Utility Trailers

Size Class:
All
Weight:
3300 UNKNOWN

Configuration for TOW 2 1 3

Capacity	**3.0 t**	Hitch Type	**Tow**
Number Of Axles	**2.0**	Number Of Tires	**4.0**

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD $235.00	USD $66.00	USD $17.00	USD $3.00	USD $1.64	USD $2.98
Adjustments						
Region (Texas: 86.8%)	(USD $31.02)	(USD $8.71)	(USD $2.24)	(USD $0.40)		
Model Year (2016: 97.5%)	(USD $5.10)	(USD $1.43)	(USD $0.37)	(USD $0.07)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	**USD $198.88**	**USD $55.86**	**USD $14.39**	**USD $2.54**	**USD $1.64**	**USD $2.77**

Non-Active Use Rates	Hourly
Standby Rate	USD $0.57
Idling Rate	USD $1.13

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	43%	USD $101.05/mo
Overhaul (ownership)	37%	USD $86.95/mo
CFC (ownership)	8%	USD $18.80/mo
Indirect (ownership)	12%	USD $28.20/mo

Fuel cost data is not available for these rates.

Revised Date: 2nd half 2019

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8th October 2019

To: Brian Maxwell, City Manager
Hon. Mayor and City Council Members

From: Daniel Christodoss, P.E., City Engineer

RE: Consider for approval awarding the RFQ 19-01, 15th Street Pump Station Design and Engineering to T. Baker Smith (TBS), the most qualified respondent, so the Engineering Fee can be negotiated and submitted to City Council for Design Fee Award in November.

I. Background

A. The 15th Street and vicinity drainage areas upstream of the Galveston Bay (Ship Channel to Seawall Blvd.), have had historical drainage problems.

B. These drainage problems were identified in previous drainage studies (2003 Master Drainage Study by Dannenbaum, and the 2007 LAN Drainage Report).

C. The Dannenbaum and LAN studies identified temporary ponding in specific areas due to the lack of adequate storm sewer conveyance capacity to capture and convey rainstorm flooding, which was further impacted by tidal backflow from Galveston Bay.

D. In addition to lack of capacity, the systems are old and structurally unsound. Some of these systems include clay pipes.

E. With today's technology, storm sewer systems are typically not constructed with vitrified clay pipe. Storm sewer systems are typically constructed with reinforced concrete drainage pipes sized adequately for the design rainfall frequency.

F. Considering the age, lack of capacity, and tidal impacts, both the LAN and Dannenbaum studies recommended drainage improvements along 15th Street and the vicinity based on a 2-year storm evaluation.

G. Galveston has experienced intense storms and associated flooding that far exceed the 2-year storm intensity portrayed in the historical LAN and Dannenbaum studies, prior to, during, and after Harvey.

H. To address the flooding after Harvey, the City upgraded the Drainage Code from the 2 year storm frequency and intensity to a minimum 25 year storm design requirement. Other administrative enhancements such as Storm Water Pollution Prevention Plans and Procedures were implemented to improve the City's rating.

I. FEMA recognized that the voluntary actions undertaken by the City of Galveston exceeded the minimum standards of the NFIP and met the criteria for an upgrade from Class 7 to Class 6 Community Rating (CRS).

J. The Class 6 ranking recognized Galveston's community outreach and high regulatory standards, including proactive requirements for new construction, and FEMA also commended the City's oversight in ensuring compliance with the latest FEMA regulations.

K. Galveston is now targeting a higher Class 5 CRS ranking by 2021 by pursuing grant applications to install pump stations and storm pipes so both high tidal backflow and rainstorm flooding impacts can be addressed.

L. As a result of Hurricane Harvey, the State of Texas requested proposals for participation in the 404 Hazard Mitigation Grant Program (HMGP).

M. Under HMGP, the City submitted 7 Notices of Intent to the Texas Division on Emergency Management (TDEM) for the downtown drainage projects that included a system of 7 pump stations and associated drainage infrastructure.

N. The 7 pump stations and drainage infrastructure (projects) extended from 13th Street to 34th Street and from Seawall Blvd., to the Ship Channel.

O. The City was advised by TDEM that the 7 projects initially appeared to be eligible projects and the City was requested to submit formal applications to TDEM for each of the individual projects for future funding consideration.

P. The City submitted formal grant applications for each of the 7 projects in 2018.

Q. The grant applications included an engineer's cost estimate based on preliminary Hydraulics and Hydrology (H&H) modeling, and conceptual pump station and storm sewer infrastructure design performed in-house by City Staff.

R. Subsequent to the submittal of grant applications to TDEM, the City was informed that 1 of the 7 grant applications (the 15th Street pump station and associated infrastructure) was forwarded to FEMA for further evaluation.

S. To plan for potential award of the HMGP Grant, the City advertised an RFQ 19-01 on May 6th, 2019 for the 15th Street Pump Station Design and Engineering.

T. Proposals were received from the following firms on June 5th, 2019:

i. T. Baker Smith
ii. Freese and Nichols
iii. AECOM
iv. EJES
v. Ardurra
vi. Atkins
vii. Kimley Horn
viii. HR Green

U. During the initial evaluation by the committee, which included scoring and ranking, the following firms were shortlisted and recommended for subsequent presentations:

i. T. Baker Smith
ii. Atkins

iii. Kimley Horn
iv. HR Green

V. After the first series of presentations, requests for information (RFIs), and review of supplemental material, the following firms were shortlisted for the final focused presentation:
   i. T. Baker Smith
   ii. HR Green

W. Subsequent to the final focused presentation, TBS was found to be the most qualified respondent for the project.

X. The extension of the 15th Street Drainage system north and south of Broadway, in conjunction with the proposed storm water pump station, is critical to addressing flooding from rainstorms and high tides.

Y. The 15th Street Drainage System includes interconnects to storm sewers on adjacent streets, along with the replacement of bridge blocks, and an upgrade of the inlets and storm sewer pipes.

Z. Storm sewer crossings of old ductile iron pipe water lines and old clay sanitary sewer lines also need to be rehabilitated at the same time.

AA. Due to the amount of utility work that is performed, the roads will need to be re-paved.

BB. Bioswales with landscaping and Paver drains are also expected to be the green low impact development (LID) technologies expected to be utilized in this project to minimize the storm water runoff conveyed to the pump station.

II. Current Situation

The City requests consideration of the award of the RFQ 19-01, 15th Street Pump Station Design and Engineering to T. Baker Smith (TBS), the most qualified respondent. This will allow the City to finalize a contract with TBS for the Design, and submit the Design Proposal to City Council in November, for award of the fee for the Design, and execution of the Design Contract with TBS.

III. Impact or ramifications:

If not awarded:

1. City will be unable to obtain a design contract from TBS for City Council approval in November for the critical drainage improvements,
2. These needed improvements for 15th Street and vicinity will not be constructed,
3. Drainage hotspots will lead to widespread flooding during rainstorms and high tides,
4. The potential for future sinkholes will continue to exist on 15th Street and vicinity due to potential future collapse of aged storm sewer, water and sanitary sewer systems,

5. The City will lose the HMGP funding for the pump station and drainage improvements, and
6. We will be implementing these needed improvements under emergency mode at a premium cost in the not too distant future.

IV. Alternatives in order of priority

A. Approve the award of the RFQ 19-01 for the 15th Street Pump Station Design and Engineering to T. Baker Smith (TBS), the most qualified respondent.
B. Do not approve the request and risk loss of HMGP funding, future potential widespread flooding due to high tide and rain storms, and development of sinkhole(s) in the 15th Street and vicinity, due to collapse of aged storm sewer, water and sanitary sewer systems.

V. Recommendation

Approve the award of the RFQ 19-01 for the 15th Street Pump Station Design and Engineering to T. Baker Smith (TBS), the most qualified respondent.

VI. Fiscal Impact Report

Requested by:	Daniel Christodoss, P.E. City Engineer
Funding Sources:	Not Applicable

Respectfully Submitted,

Daniel Christodoss, P.E.
City Engineer

City of Galveston

DEPARTMENT OF PUBLIC WORKS

Angelo Grasso, Director of Municipal Utilities
agrasso@galvestontx.gov | Office Number: (409) 797-3962 | www.galvestontx.gov

October 4, 2019

To: **Brian Maxwell, City Manager**
Honorable Mayor and City Council Members

From: **Angelo Grasso, Assistant Director of Municipal Utilities**

RE: **City Council to consider awarding the Pirates Beach Area Water Improvements Project (RFP 19–28) to T Construction, LLC for an amount not to exceed $615,290.00. Authorizing the City Manager to execute all necessary documents upon final approval by the City Attorney.**

I. Background

A. The City of Galveston is responsible for the maintenance of the City's water system, which is regulated by the Texas Commission on Environmental Quality (TCEQ).
B. The TCEQ requires a minimum of 35 pounds per square inch (psi) water pressure and 0.6 gallons per minute (gpm) per water supply customer connection.
C. The Laffite's Cove and Pirates Beach water supply system meets TCEQ regulatory requirements. To meet the TCEQ's requirements, the existing MUD 1 Pump Station is used to regulates the water system pressure and flow in this area.
D. After reviewing this area on the City of Galveston Water Distribution Network Model, it was determined that the level of service-related water quality, system pressure and flow would be improved by interconnecting various larger and smaller water system in this area.
E. The water interconnect improvements would improve water system pressure and flow in this area. It would also make the Laffite's Cove and Pirates Beach area less dependent on the MUD 1 Pump Station facilities.

II. Current Situation

A. Arceneaux, Wilson and Cole (AWC) was hired to provide engineering drawings of the proposed water interconnects in the Laffite's Cove and Pirates Beach area
B. The City of Galveston advertised for a Request for Proposal (RFP) on the Pirates Beach Area Water Improvements Project. This Request for Proposal contract has approximately 36 bid items related to the water interconnect improvements.
C. Sealed Request for Proposals for the Pirates Beach Area Water Improvements Project were opened on August 21, 2019 at 2:00 PM.
D. Two responsive proposals were submitted:

Bidder	Total Bid
T Construction, LLC	$615,290.00
RAC Industries submitted	$618,654.00

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Bid tabulations and qualifications were compared and scored by a 3-person scoring committee. The following was the total score for each contractor scored by the committee:

	Score
T Construction, LLC	**1,215**
RAC Industries	**1,110**

E. T Construction, LLC received the highest score from the committee.

III. Recommendation

A. The Pirates Beach Area Water Improvements Project committee is recommending that T Construction, LLC be chosen as the contractor to install water interconnects in the Lafitte's Cove and Pirates Beach area at a cost not to exceed $615,290.00.

IV. Fiscal Impact Report

Requested by:	**Angelo Grasso Assistant Director of Municipal Utilities**
Funding Source:	**Revenue Supports Bonds**
Construction Cost:	**$615,290.00 (Contractor)**
Construction Administration:	**$ 12,000.00 (Project Management – Inspection)**
Total Cost of Implementation:	**$627,290.00**

Respectfully Submitted,

Angelo Grasso

Angelo Grasso
Assistant Director of Municipal Utilities

ARCENEAUX WILSON & COLE
engineering | surveying | planning

BID TABULATION
For
Pirate's Beach Area
Water Distribution System Imrovements
To Serve
The City of Galveston

			T Construction, LLC. Houston, TX		RAC Industries, LLC. Pasadena, TX	
Miscellaneous Items		QTY.	Unit Price	Amount	Unit Price	Amount
1	Mobilization, Complete.	1	$ 45,000.00	$ 45,000.00	$ 75,000.00	$ 75,000.00
2	Traffic Control including, Signs, Channelizing Devices and Barricades, Complete in Place.	3	$ 11,000.00	$ 33,000.00	$ 16,200.00	$ 48,600.00
3	Storm Water Pollution Prevention Plan, Complete in Place.	1	$ 5,000.00	$ 5,000.00	$ 9,450.00	$ 9,450.00
4	Grass Sod, Complete in Place.	1,000	$ 5.00	$ 5,000.00	$ 13.50	$ 13,500.00
5	Landscape Protection and/or Replacement, All Sites	1	$ 20,000.00	$ 20,000.00	$ 11,000.00	$ 11,000.00
	Subtotal Miscellaneous Items		**$**	**108,000.00**	**$**	**157,550.00**
Water Items						
6	Remove Concrete Swale, Complete.	13	$ 35.00	$ 455.00	$ 32.00	$ 416.00
7	4-Inch Concrete Swale, Complete in Place.	13	$ 95.00	$ 1,235.00	$ 324.00	$ 4,212.00
8	16-Inch PVC Water Line, Complete in Place.	30	$ 185.00	$ 5,550.00	$ 165.00	$ 4,950.00
9	16-Inch Gate Valve and Box, Complete in Place.	4	$ 10,000.00	$ 40,000.00	$ 30,000.00	$ 120,000.00
10	16-Inch by 12-Inch Tee with Thrust Block, Complete in Place.	2	$ 5,300.00	$ 10,600.00	$ 3,780.00	$ 7,560.00
11	16-Inch by 8-Inch Tee with Thrust Block, Complete in Place.	1	$ 4,750.00	$ 4,750.00	$ 3,240.00	$ 3,240.00
12	16-Inch Hymax Coupling or Approved Equal, Complete in Place.	6	$ 2,450.00	$ 14,700.00	$ 4,050.00	$ 24,300.00
13	16-Inch Water Stop, if approved.	1	$ 18,000.00	$ 18,000.00	$ 16,250.00	$ 16,250.00
14	12-Inch PVC Water Line, Complete in Place.	70	$ 150.00	$ 10,500.00	$ 140.00	$ 9,800.00
15	12-Inch Gate Valve and Box, Complete in Place.	7	$ 7,000.00	$ 49,000.00	$ 5,400.00	$ 37,800.00
16	12-Inch by 12-Inch Tee with Thrust Block, Complete in Place.	2	$ 2,300.00	$ 4,600.00	$ 1,890.00	$ 3,780.00

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BID TABULATION
For
Pirate's Beach Area
Water Distribution System Imrovements
To Serve
The City of Galveston

			T Construction, LLC. Houston, TX		RAC Industries, LLC. Pasadena, TX	
		QTY.	Unit Price	Amount	Unit Price	Amount
17	12-Inch by 8-Inch Tee with Thrust Block, Complete in Place.	2	$ 2,125.00	$ 4,250.00	$ 1,620.00	$ 3,240.00
18	12-Inch 45 Bend with Thrust Block, Complete in Place.	4	$ 1,725.00	$ 6,900.00	$ 1,350.00	$ 5,400.00
19	12-Inch Hymax Coupling or Approved Equal, Complete in Place.	8	$ 3,860.00	$ 30,880.00	$ 1,890.00	$ 15,120.00
20	12-Inch Water Stop, if approved.	2	$ 11,000.00	$ 22,000.00	$ 8,750.00	$ 17,500.00
21	8-Inch PVC Water Line, Open Trench, Complete in Place.	650	$ 135.00	$ 87,750.00	$ 80.00	$ 52,000.00
22	8-Inch PVC Water Line, Pipe in Augered Hole, Complete in Place.	100	$ 156.00	$ 15,600.00	$ 120.00	$ 12,000.00
23	8-Inch Gate Valve and Box, Complete in Place.	16	$ 3,600.00	$ 57,600.00	$ 2,970.00	$ 47,520.00
24	8-Inch by 6-Inch Tee with Thrust Block, Complete in Place.	4	$ 2,600.00	$ 10,400.00	$ 540.00	$ 2,160.00
25	8-Inch by 8-Inch Tee with Thrust Block,Complete in Place.	6	$ 1,900.00	$ 11,400.00	$ 1,080.00	$ 6,480.00
26	8-Inch 45 Degree Bend with Thrust Block, Complete in Place.	8	$ 1,745.00	$ 13,960.00	$ 320.00	$ 2,560.00
27	8-Inch 22.5 Degree Bend with Thrust Block, Complete in Place.	1	$ 1,745.00	$ 1,745.00	$ 320.00	$ 320.00
28	8-Inch Hymax Coupling or Approved Equal, Complete in Place.	11	$ 1,450.00	$ 15,950.00	$ 1,080.00	$ 11,880.00
29	8-Inch Water Stop, if approved.	2	$ 8,400.00	$ 16,800.00	$ 6,500.00	$ 13,000.00
30	6-Inch PVC Water Line, Complete in Place.	15	$ 110.00	$ 1,650.00	$ 120.00	$ 1,800.00
31	6-Inch by 6-Inch Tee with Thrust Block, Complete in Place.	1	$ 1,780.00	$ 1,780.00	$ 810.00	$ 810.00
32	6-Inch Hymax Coupling or Approved Equal, Complete in place.	4	$ 1,715.00	$ 6,860.00	$ 864.00	$ 3,456.00

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BID TABULATION
For
Pirate's Beach Area
Water Distribution System Imrovements
To Serve
The City of Galveston

			T Construction, LLC. Houston, TX		RAC Industries, LLC Pasadena, TX	
		QTY.	Unit Price	Amount	Unit Price	Amount
33	6-Inch Water Stop, if approved.	1	$ 8,200.00	$ 8,200.00	$ 13,500.00	$ 13,500.00
34	Remove Water Meter Box, including all fittings and valves, and adjacent Water Valve, backfilled with select material, Site 6, Complete.	1	$ 900.00	$ 900.00	$ 5,400.00	$ 5,400.00
35	Remove Water Meter Box, including all fittings and valves, backfilled with select material, Site 9, Complete.	1	$ 900.00	$ 900.00	$ 5,400.00	$ 5,400.00
36	Dewatering for Water Lines, Complete in Place.	925	$ 35.00	$ 32,375.00	$ 10.00	$ 9,250.00
	Subtotal Water Items		$	507,290.00	$	461,104.00

Subtotal Miscellaneous Items	$ 108,000.00	$ 157,550.00
Subtotal Water Items	$ 507,290.00	$ 461,104.00
Total Amount Bid	$ 615,290.00	$ 618,654.00

City of Galveston

DEPARTMENT OF PUBLIC WORKS

Angelo Grasso, Director of Municipal Utilities
agrasso@galvestontx.gov | Office Number: (409) 797-3962 | www.galvestontx.gov

Date: October 7, 2019

To: Honorable Mayor and City Council
Brian Maxwell, City Manager

From: Angelo Grasso, Assistant Director of Municipal Utilities

RE: **Consider for approval, the financing of the annual maintenance contract on the chemical disinfection analyzer systems for various Supply Division pump station and elevated water storage tanks from the sole source provider CFI Services. The annual cost of the contract is $66,209.00. Authorizing the City Manager to execute all necessary documents upon final approval by the City Attorney.**

I. Background

- The Water Supply Division is responsible for supplying and distributing potable water to the City of Galveston under pressure.
- The City's water supply system has JCS liquid ammonia sulfate – chlorine – chloramine analyzers at the 30th Street Pump Station, 59th Street Pump Station, Airport Pump Station, Jamaica Beach Elevated Storage Tank and the Isla Del Sol Elevated Storage Tank facilities within the City of Galveston.
- The City has an annual maintenance contract with CFI Service Inc. that would cover all call-out repairs to equipment, parts, and preventive maintenance for the JCS analyzer systems
- In previous years, the contract was used by the Supply Division for emergency repairs and equipment maintenance to the various analyzer system equipment.

II. Current Situation

- In the event a maintenance contract is not in place, the City would not have the required monthly maintenance and would be forced to pay for individual repairs from CFI Services, as they are the sole maintenance provider for liquid ammonia sulfate, chlorine and chloramine analyzer system equipment.
- CFI Services Inc. has submitted a proposal for the annual maintenance contract for the JCS analyzer equipment at a cost of $66,209.00.

III. Issues

- Cost: The cost for the annual maintenance contract is $66,209.00.
- Timing: As soon as possible.

City of Galveston

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IV. Recommendation

Recommend for City Council to approve the financing of the annual maintenance contract for the liquid ammonia sulfate, chlorine and chloramine disinfection analyzer systems for 30th Street Pump Station, 59th Street Pump Station, Airport Pump Station, Jamaica Beach Elevated Storage Tank and Isla Del Sol Elevated Storage Tank from Sole Source Provider CFI Services at an annual cost of $66,209.00.

VI. Fiscal Impact Report

Requested by:	Dennis Stark, Supply Division Supervisor Angelo Grasso, Assistant Director of Municipal Utilities
Funding Source:	Public Works Supply Division Maintenance Budget
Costs of implementation:	$66,209.00

Respectfully Submitted,

Angelo Grasso
Assistant Director of Municipal Utilities

Forwarded for Approval,

Brandon Cook
Assistant City Manager of Development and Municipal Services

CFI Services, Inc.

09/01/2019

City of Galveston Public Works
823 25th ST.
Galveston, TX 77550

Attention: Dennis Stark

Subject: **Chemical Disinfection Systems, Fiscal Year 2020**
30th Street Pump Station
59th Street Pump Station
Airport Pump Station
Jamaica Beach Elevated
Isla Del Sol Elevated

Dear Mr. Stark,

Per our conversation regarding the Chlorine, LAS and Chlorine/ Chloramine analyzers, please accept the following costs to perform preventive maintenance on this equipment.

Annual Preventive Service

- Replace wear items such as o-rings, gaskets, seats and orifices as supplied in the PM Kits.
- Replace flex connectors
- Clean and inspect components and replace if necessary.
- Replace tubing and connector inserts where required.
- Supply and replenish all required reagents
- Upgrade software to the most current version.
- Test and Calibrate
- Provide training to operations and maintenance personnel.

Equipment to be maintained 30th Street WP

2-JCS Mod 4200 Automatic Gas Feeders
4-JCS Mod 420-T Ton mounted vacuum regulators
2-JCS 500ppd CL2 injectors
5-JCS Mod 4500 CL2 gas leak detectors
2-Force Flow Solo 1000 CL2 ton cylinder scales
3-JCS Mod 4100 liquid vacuum feeders
3-JCS 484X injectors
4-JCS Mod 4600-I Ultrasonic level indicators
1-Finnish Thompson LAS transfer pump
5-Hach APA 6000 Ammonia Monochloramine Analyzers
2-Hach CL-17 Total Chlorine analyzers
2-Starite JNS Sample booster pumps

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CFI Services, Inc.

Equipment to be maintained 59th Street Pump Station

3-JCS Mod 4200 Automatic Gas Feeders
6-JCS Mod 4100 Liquid Vacuum Feeders
4-JCS Mod 420-T Ton mounted vacuum regulators
3-JCS 500ppd CL2 injectors
4-JCS Mod 4500 CL2 gas leak detectors
2-JCS Mod 4700-D dual cylinder Scales
6-JCS 484X injectors
8-SWAN Ami/Codes Water Analyzers

Equipment to be maintained Airport Pump Station

1-JCS Mod 4100 liquid vacuum feeder
1-JCS Mod 420-T ton cylinder mounted vacuum regulators
1-JCS 200ppd CL2 injectors
1-JCS Mod 484 injector
1-Hydro Remote Meter, 300 Series

Equipment to be maintained Jamaica Beach Elevated

2-JCS Mod 4200 Automatic Gas Feeders
4-JCS Mod 420-C cylinder mounted vacuum regulators
2-JCS 200ppd CL2 injectors
2-JCS Mod 4500 CL2 gas leak detectors
2-JCS Mod 4700-2 dual cylinder scales
2-Hach CL-17 Total Chlorine analyzers

Equipment to be maintained Isla Del Sol Elevated

2-JCS Mod 4200 Automatic Gas Feeders
4-JCS Mod 420-C cylinder mounted vacuum regulators
2-JCS 200ppd CL2 injectors
2-JCS Mod 4500 CL2 gas leak detectors
2-JCS Mod 4700-2 dual cylinder scales
2-Hach APA 6000 Ammonia Monochloramine Analyzers
1-Hach CL-17 Total Chlorine analyzers

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CFI Services, Inc.

Materials to Be Provided 30th Street WP

- 2-LF 4200 PM Kits
- 4-LF 420-T PM Kits
- 2-LF 420 EJ 500 Pm Kits
- 1-Lot CL2 Span Gas (5) Sensors
- 3-LF 4100-V PM Kits
- 3-LF 484 X PM Kits
- 1-Lot NH3 Span Gas (2) Sensors
- 1-Lot Flexible tubing, connectors and miscellaneous fittings
- 1-12 Month supply standards, reagents and solutions for APA 6000's (4) total
- 1-12Month supply standards, reagents and solutions for CL-17's (2) total
- 1-Lot service documentation for RPM (if requested)
- 1-Lot per visit service reports and itemized billing

Materials to Be Provided 59th Street Pump Station

- 3-LF 4200 PM Kits
- 6-LF 4100 PM KITS
- 4-LF 420-T PM Kits
- 3-LF 420 EJ 500 Pm Kits
- 1-Lot CL2 Span Gas (5) Sensors
- 6-LF 484 X PM Kits
- 1-Lot Flexible tubing, connectors and miscellaneous fittings
- 1-12 Month supply standards, reagents and solutions for SWAN Analyzers CC (4) total
- 1-12Month supply standards, reagents and solutions for SWAN Analyzers AMI (4) total
- 1-Lot service documentation for RPM (if requested)
- 1-Lot per visit service reports and itemized billing

Materials to Be Provided Airport Pump Station

- 1-LF 4100 PM Kits
- 1-LF 420-T PM Kits
- 1-LF 484 PM Kit
- 1-KTH100RMP PM Kit
- 1-APQ4389 PM Kit
- 1-Lot Flexible tubing, connectors and miscellaneous fittings
- 1-Lot service documentation for RPM (if requested)
- 1-Lot per visit service reports and itemized billing

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CFI Services, Inc.

Materials to Be Provided Jamaica Beach Elevated

- 2-LF 4200 PM Kits
- 4-LF 420-C PM Kits
- 2-LF 420 EJ 200 Pm Kits
- 1-Lot CL2 Span Gas (5) Sensors
- 1-Lot Flexible tubing, connectors and miscellaneous fittings
- 1-12 Month supply standards, reagents and solutions for APA 6000's (4) total
- 1-12Month supply standards, reagents and solutions for CL-17's (2) total
- 1-Lot service documentation for RPM (if requested)
- 1-Lot per visit service reports and itemized billing

Materials to Be Provided Isla Del Sol Elevated

- 2-LF 4200 PM Kits
- 4-LF 420-C PM Kits
- 2-LF 420 EJ 200 Pm Kits
- 1-Lot CL2 Span Gas (5) Sensors
- 1-Lot Flexible tubing, connectors and miscellaneous fittings
- 1-12 Month supply standards, reagents and solutions for APA 6000's (4) total
- 1-12Month supply standards, reagents and solutions for CL-17's (2) total
- 1-Lot service documentation for RPM (if requested)
- 1-Lot per visit service reports and itemized billing

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CFI Services, Inc.

PROPOSED BILLING AND SERVICE SCHEDULE

Month 1 Service and replenish chemicals for analyzer equipment
Perform 1st quarter PM service on chemical feed equipment

Cost.... $2,052.00 30th Street
$2,945.00 59TH Street
$ 631.00 Airport
$1,059.00 Jamaica Beach
$1,059.00 Isla Del Sol
Month 1 Total: $7,746.00

Month 2 Service and replenish chemicals for analyzer equipment
Inspect chemical feed equipment

Cost.... $1,338.00 30th Street
$1,615.00 59TH Street
$ 519.00 Jamaica Beach
$ 519.00 Isla Del Sol
Month 2 Total: $3,991.00

Month 3 Service and replenish chemicals for analyzer equipment
Inspect chemical feed equipment

Cost.... $1,338.00 30th Street
$1,615.00 59TH Street
$ 519.00 Jamaica Beach
$ 519.00 Isla Del Sol
Month 3 Total: $3,991.00

Month 4 Service and replenish chemicals for analyzer equipment
Perform 2nd quarter PM service on chemical feed equipment

Cost.... $2,052.00 30th Street
$2,945.00 59TH Street
$ 631.00 Airport
$1,059.00 Jamaica Beach
$1,059.00 Isla Del Sol
Month 4 Total: $7,746.00

Month 5 Service and replenish chemicals for analyzer equipment
Inspect chemical feed equipment

Cost.... $1,338.00 30th Street
$1,615.00 59TH Street
$ 519.00 Jamaica Beach
$ 519.00 Isla Del Sol
Month 5 Total: $3,991.00

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CFI Services, Inc.

Month 6 Service and replenish chemicals for analyzer equipment
Inspect chemical feed equipment

Cost.... $1,338.00 30th Street
$1,615.00 59TH Street
$ 519.00 Jamaica Beach
$ 519.00 Isla Del Sol
Month 6 Total: $3,991.00

Month 7 Service and replenish chemicals for analyzer equipment
Perform 3rd quarter PM service on chemical feed equipment

Cost.... $2,052.00 30th Street
$2,945.00 59TH Street
$ 631.00 Airport
$1,059.00 Jamaica Beach
$1,059.00 Isla Del Sol
Month 7 Total: $7,746.00

Month 8 Service and replenish chemicals for analyzer equipment
Inspect chemical feed equipment

Cost.... $1,338.00 30th Street
$1,615.00 59TH Street
$ 519.00 Jamaica Beach
$ 519.00 Isla Del Sol
Month 8 Total: $3,991.00

Month 9 Service and replenish chemicals for analyzer equipment
Inspect chemical feed equipment

Cost.... $1,338.00 30th Street
$1,615.00 59TH Street
$ 519.00 Jamaica Beach
$ 519.00 Isla Del Sol
Month 9 Total: $3,991.00

Month 10 Service and replenish chemicals for analyzer equipment
Perform Annual PM Service on chemical feed equipment

Cost.... $2,973.00 30th Street
$3,861.00 59TH Street
$1,047.00 Airpot
$1,581.00 Jamaica Beach
$1,581.00 Isla Del Sol
Month 10 Total: $11,043.00

Month 11 Service and replenish chemicals for analyzer equipment
Inspect chemical feed equipment

Cost.... $1,338.00 30th Street
$1,615.00 59TH Street
$ 519.00 Jamaica Beach
$ 519.00 Isla Del Sol
Month 11 Total: $3,991.00

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CFI Services, Inc.

Month 12 Service and replenish chemicals for analyzer equipment
Inspect chemical feed equipment

Cost.... $1,338.00 30th Street
$1,615.00 59TH Street
$ 519.00 Jamaica Beach
$ 519.00 Isla Del Sol
Month 12 Total: $3,991.00

Other items included.

All additional maintenance related materials and labor above and beyond scheduled service visits for upkeep of mentioned instruments

Any costs for loaner equipment required to keep system operational.

Items not included.

- Any electrical component damaged by power surge, weather related or operational misuse. These items will be replaced at cost without labor charge.

- Any mechanical component damaged by fatigue, weather related or operational misuse. These items will be replaced at cost without labor charge.

5055 FM 2920
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281-353-0663

CFI Services, Inc.

09/01/2019

City of Galveston Public Works
Attention: Dennis Stark
Subject: 30th Street Pump Station
Jamaica Beach Elevated
Isla Del Sol Elevated
Chemical Disinfection Systems (Continued)

Special Notes

Contract period is for (1) year and may be renewed by agreement of both parties.

Either party may terminate the contract by giving (30) days notice, for either cause or convenience.

Costs quoted are firm throughout the contract. If alterations are made to the equipment list, the contracted price can be altered if mutually agreed.

Acceptance

CFI Services, Inc. By: _____ Date: _____

Acceptance

City of Galveston. By: _____ Date: _____

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CFI SERVICES, INC.
YEARLY COST TABULATION SHEET

Month	Monthly Cost
Month 1	$ 7,746.00
Month 2	$ 3,991.00
Month 3	$ 3,991.00
Month 4	$ 7,746.00
Month 5	$ 3,991.00
Month 6	$ 3,991.00
Month 7	$ 7,746.00
Month 8	$ 3,991.00
Month 9	$ 3,991.00
Month 10	$ 11,043.00
Month 11	$ 3,991.00
Month 12	$ 3,991.00
early Cost =	$ 66,209.00

CITY OF GALVESTON
Sole Source Justification

Vendor: CFI Services, Inc. Vendor #_____ Requisition #:_____

Product/Service: CFI Services is the sole source provider for the maintenance of Hach APA 6000 Ammonia / Monochloramine equipment.

Estimated expenditure for the above commodity or service: $66,209.00

This form must be completed for each requisition/contract that provides for proprietary (sole source) acquisition of goods and services valued at a total amount of $1,000 or more. If more space is needed, please attach additional page(s). Inadequate justification or documentation for a request for non-competitive procurement will result in a solicitation of bids or quotes.

Unique Features. Specify the unique features or characteristics of the goods or services that are requested:

CFI Services is the sole source provider for maintenance of Hach APA 6000 Ammonia/Monochloramine equipment

Special Needs. Briefly explain why the unique specifications restrict the requisition to one manufacturer or provider:

CFI Services is the sole source provider for maintenance of Hach APA 6000 Ammonia/Monochloramine equipment

Other Sources. State the reason or reasons why competing products are not satisfactory, e.g. a justification for the proprietary (sole source) acquisition:

Check all entries below that apply to the proposed purchase. (More than one entry will apply to most sole source products/services requested).

1. [X] SOLE SOURCE REQUEST IF FOR THE ORIGINAL MANUFACTURER OR PROVIDER, THERE ARE NO OTHER DISTRIBUTORS. (Attach the manufacturer's written certification that no regional distributors exist. Item No. 3 also must be completed.)

2. [ ] SOLE SOURCE REQUEST IS FOR THE ONLY GALVESTON COUNTY AREA DISTRIBUTOR OF THE ORIGINAL MANUFACTURER OR PROVIDER. (Attach the manufacturer's — not the distributor's — written certification that identifies all regional distributors. Item No. 3 also must be completed.)

2. [X] THIS IS THE ONLY ITEM OR SERVICE REASONABLY KNOWN THAT WILL MEET THE SPECIALIZED NEEDS OF THIS DEPARTMENT OR PERFORM THE INTENDED FUNCTION. (Attach memorandum with details of specialized function or application.)

4. [ ] CAPTIVE REPLACEMENT PARTS OR COMPONENTS FOR EQUIPMENT: THE PARTS/EQUIPMENT ARE NOT INTERCHANGEABLE WITH SIMILAR PARTS OF ANOTHER MANUFACTURER. (Explain in separate memorandum.)

5. ☐ THE PARTS/EQUIPMENT ARE REQUIRED FROM THIS SOURCE TO PERMIT STANDARDIZATION OR COMPATIBILITY WITH EXISTING EQUIPMENT OPERATIONS OR SERVICES. (Attach Memorandum describing basis for standardization request.)

6. ☐ NONE OF THE ABOVE IS APPLICABLE. A DETAILED EXPLANATION AND JUSTIFICATION FOR THIS SOLE SOURCE REQUEST IS CONTAINED IN THE ATTACHED MEMORANDUM.

The undersigned attests that the above is true and correct and requests that this purchase be exempt from the City's purchasing policies and applicable state law requirements for competitive procurement.

Robert Pugh
Department Director (Print Name)

Department Director (Signature)

Public Works
Department

10/8/2019
Date

(FOR PURCHASING DEPARTMENT USE ONLY)

_____APPROVED _____NOT APPROVED

REASON, IF NOT APPROVED: _____

_____

_____

BY: _____ DATE: _____

City of Galveston

DEPARTMENT OF PUBLIC WORKS

Angelo Grasso, Director of Municipal Utilities
agrasso@galvestontx.gov | Office Number: (409) 797-3962 | www.galvestontx.gov

Date: October 4, 2019

To: Brian Maxwell, City Manager
Honorable Mayor and City Council Members

From: Angelo Grasso, Assistant Director of Municipal Utilities

Re: City Council to consider for approval, an annual service fee to Municipal H_2O in the amount of $7,800.00 per year to implement a Risk Management Program as required by the Environmental Protection Agency for a period of 5 years. Funding source is the Other Expense Water Work Operation Fund – Other Contracts Account (25%) and the Sewer System Enterprise Account (75%).

I. Background

A. The EPA requires facilities with hazardous chemicals to file a Risk Management Plan (RMP) each year.
B. City facilities such as the Airport WWTP and the City's Pump Stations, have large enough inventories of chlorine gas and sulfur dioxide gas to trigger the EPA requirement for a Risk Management Plan.
C. Since 2010, Municipal H_2O has provided professional service to create and update hazard assessment and prevention program documents. They have performed compliance audits and filed Risk Management Program Plans with the EPA for the City of Galveston.

II. Current Situation

A. Municipal H_2O has been working with the City to file the current Risk Management Plan with the EPA and has currently put together a list of actions to stay within compliance. Compiling all information, and creating a plan is quite extensive.
B. City Staff attempted requested proposals from 2 other companies with no response.
C. Municipal H_2O requires an annual maintenance fee to continue to file the City's Risk Management Plan with the EPA.

Angelo Grasso, Director of Municipal Utilities
agrasso@galvestontx.gov | Office Number: (409) 797-3962 | www.galvestontx.gov

III. Issues

A. Cost - $7,800.00 per year and $39,000.00 over a 5-year period of time.
B. Impact or ramifications – Failure to file could result in fines in excess of $10,000.00 per day.

IV. Alternatives in order of priority

A. Approve Municipal H_2O to complete the Risk Management Plan at an annual cost of $7,800.00 per year for a 5-year period of time. This will keep the City in compliance with the EPA.
B. Do not approve Municipal H_2O to complete the Risk Management Plan and risk fines in excess of $10,000.00 for non-compliance.

V. Recommendation

Approve Municipal H_2O to complete the Risk Management Plan at an annual cost of $7,800.00 per year for a 5-year period of time.

VI. Fiscal Impact Report

Requested by:	Angelo Grasso – Assistant Director of Municipal Utilities Cynthia Diaz – WWTP Division Superintendent Dennis Stark – Supply Division Superintendent
Funding Source:	Other Expense Water Work Operation Fund – 25% Other Expense Sewer Enterprise Fund - 75%
Costs of implementation:	$7,800.00 per year $39,000.00 over a 5-year period

Submitted for Approval:

Angelo Grasso
Assistant Director of Municipal Utilities

Respectfully Submitted,

Brandon Cook, Assistant City Manager
of Development and Municipal Services

SERVICES AGREEMENT

This AGREEMENT is entered into by the City of Galveston, located in Galveston, Texas, here-in-after called "CITY" and AssureCo Risk Management and Regulatory Compliance LLC (d/b/a/ MunicipalH2O.com); here-in-after called "MHC". In consideration of the terms and conditions herein, the parties agree as follows:

1. SERVICES TO BE PROVIDED BY MHC. In accordance with the terms of this AGREEMENT, CITY agrees to contract with MHC to perform services ("Services") related to CITY compliance with EPA Risk Management Program requirements for the following facilities:

Galveston Airport Wastewater Treatment Plant	7618 Skymaster	Galveston	TX
59th Street Water Pump Station	5902 Ave. C	Galveston	TX
Main Water Pump Station	3002 Church Street	Galveston	TX
Airport Water Pump Station	7915 Airport Boulevard	Galveston	TX

Services will be performed using online services available at www.MunicipalH2O.com as specified in the attached Exhibit A and C. MHC shall provide services to CITY as an independent contractor, not as an employee of CITY. All services required hereunder will be performed by MHC or under its supervision.

2. MHC COMPLIANCE GUARANTEE. MHC agrees to pay any and all fines imposed by the Environmental Protection Agency (EPA), or in OSHA-delegated states the responsible state agency, levied on CITY because of CITY's failure to comply with EPA's Risk Management Program rule ("RMP") or the state's equivalent of RMP, provided that the fine is for a failure to comply during the term of MHC's Services, following MHC's completion of the Services specified as part of the Compliance Set-up Services in Exhibit A, and provided that CITY has fully complied with CITY's Compliance Guarantee Requirements specified in Exhibit B. CITY agrees to promptly notify MHC in the event that a fine, otherwise covered by this guaranty, is proposed or levied and further agrees to provide MHC with a copy of the written citation and allow MHC to communicate with EPA or the state agency, in conjunction with CITY, to attempt to negotiate a reduction in the amount of said fine or otherwise mitigate the amount thereof, should MHC, in its sole discretion, choose to do so. Notwithstanding the above provisions, this guaranty shall exclude any fine levied for a violation resulting from any error or omission of CITY: (a) to maintain equipment, and properly document such maintenance, covered by RMP requirements (e.g. such as hoists and chlorine detectors) according to procedures specified by the manufacturer in the owner's

manual, and (b) to provide in a timely manner operator procedures training for new operators and refresher training for existing operators and properly document such training as required by RMP. MHC agrees that it is responsible for including such RMP requirements in the written Prevention Program provided to CITY by MHC. This guaranty shall also exclude any fine levied more than one (1) year after the termination of this Agreement for any reason by either party.

3. COMPENSATION. CITY agrees to pay MHC a monthly fee of **$650** for a total annual cost not-to-exceed **$7,800** (12 months of monthly fees) for the services specified in Exhibit A during the term of this AGREEMENT. Payments are due within thirty (30) days of CITY's receipt of invoice. If services beyond the services described in Exhibit A are required by CITY, the time and cost required to perform such services shall be agreed upon by CITY and MHC prior to the initiation of such work. The parties agree that the services specified in Exhibit A, with the exception of MHC's presence during an EPA or state inspection, normally can be performed by telephone and through the online services of MunicipalH2O.com. If any of the services require a site visit, including during an EPA or state inspection, and if CITY approves the site visit in advance, CITY agrees to reimburse MHC for travel expenses to include mileage expense calculated using current IRS rates (or airfare and rental car if less expensive) and lodging and meals if required to complete the work.

4. COOPERATION. CITY agrees to provide such cooperation and support as reasonably necessary to allow MHC to timely and efficiently complete the required services.

5. TERM AND TERMINATION. The AGREEMENT is effective on the date of signature by CITY and MHC, for a Term of twelve (12) calendar months, during which time the AGREEMENT may only be terminated in the event of a material breach of the Agreement, which the defaulting party fails to cure within ten (10) business days of written notice. The AGREEMENT will automatically renew each year, for a maximum number of five (5) years, at the Monthly Service Fee quoted for an additional one-year term on the anniversary of the effective date unless written notice is provided to the other party by the party wishing to terminate at least thirty (30) days prior to the renewal date.

6. CONFIDENTIALITY. The parties to this AGREEMENT agree that neither they nor their employees, agents and assigns shall disclose any information pertaining to the business affairs, finances, methods of operation, computer programs or any personal information of the other, whether written, oral, or otherwise, except where required by law or upon express consent of the other party.

7. NOTICES. Any notices required pursuant to this AGREEMENT shall be mailed to the parties at the following addresses:

AssureCo Risk Management and Regulatory Compliance LLC (MHC):

ARMARC/MunicipalH2O
Attention: MHC Business Operations
650 South Shackleford Rd, Suite 325
Little Rock, AR 72211

City of Galveston (CITY):

City of Galveston
City Attorney
823 Rosenberg, Room 203
Galveston, TX 77550

8. MISCELLANEOUS. Nothing under this AGREEMENT shall be construed to give any rights or benefits in this AGREEMENT to anyone other than CITY and MHC, and all duties and responsibilities undertaken pursuant to this AGREEMENT will be for the sole and exclusive benefit of CITY and MHC and not for the benefit of any other party. If any provision of this AGREEMENT is found or deemed by a court of competent jurisdiction to be invalid or unenforceable, it shall be considered severable from the remainder of this AGREEMENT and shall not cause the remainder to be invalid or unenforceable. In such event, the parties shall reform this AGREEMENT to replace such stricken provision with a valid and enforceable provision with comes as close as legally possible to expressing the intention of the stricken provision. This AGREEMENT is governed by the laws of the State of Texas and any legal action brought shall be brought in Galveston County, Texas.

This AGREEMENT, together with Exhibit A and Exhibit B, and Exhibit C attached hereto, constitutes the entire AGREEMENT between CITY and MHC and supersedes all prior written or oral understandings. This AGREEMENT is executed in two counterparts.

IN TESTIMONY HEREOF, the duly authorized representatives of the parties have executed this AGREEMENT as shown below:

City of Galveston (CITY):

_____ _____

Print Name Date

_____

Signature

_____

Title

City Attorney, City of Galveston

_____ _____

Print Name Date

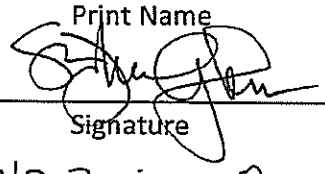
_____

Signature

AssureCo Risk Management and Regulatory Compliance LLC (MHC)

Stephen Glenn 9-20-2019

Print Name Date



Signature

VP Business Operations

Title

EXHIBIT A
Scope of Services

In accordance with the terms of the AGREEMENT, MHC will provide the following services:

Compliance Set-up Services for Each Facility:

1. Conduct an EPA Compliance Audit
2. Based on information provided by CITY, create and/or update RMP written documentation, including:
   - Compliance Audit Report
   - Hazard Assessment using EPA's RMP*Comp software and the latest available US Census software available from the MARPLOT mapping program.
   - RMP Prevention Program with all elements as required by EPA
   - Hazard Review or Process Hazard Analysis
3. Complete EPA registration forms and electronic filing using EPA's RMP*eSubmit as required.
4. Set up MunicipalH2O web-based account allowing CITY to receive the RMP Compliance Alert Service.
5. Provide training to CITY on the use of online RMP tools and resources available through the MunicipalH2O web-based service.

Ongoing Compliance Maintenance Services for Each Facility:

1. Maintain and update as needed the CITY MunicipalH2O.com web site to reflect any changes that occur in the facility or operations of CITY by maintaining regular contact with CITY to inquire about facility or process changes that may have affected RMP compliance requirements;
2. Assist in the conduct and documentation of the recurring requirements of the RMP standards, as needed, to include:
   - Written Prevention Program updates
   - Compliance Audits and reports
   - Hazard Review/Analysis updates and reports
   - Operating Procedures updates and training materials
   - Written Hazard Assessment updates
   - EPA Registration updates and submittals
3. Conduct, in cooperation with CITY, an annual RMP Compliance Review of the facility and process covered by this Agreement to ensure ongoing compliance and update documentation as needed. Annual Compliance Review shall be conducted by telephone or web-conference using the online automation tools of MunicipalH2O;
4. Provide onsite support upon request in conjunction with an EPA or state inspection related to RMP, provided that at least five (5) business days' prior written notice (email, fax, postal mail or courier) is provided to MHC; and
5. Provide the Compliance Guarantee to pay any fines resulting from MunicipalH2O's errors or omissions as specified in this Agreement.

EXHIBIT B

Compliance Guarantee Requirements – City Responsibilities

In accordance with the terms of Section 2 of the AGREEMENT, CITY understands and agrees that the MHC Compliance Guarantee is invalidated and becomes immediately null and void if CITY does not consistently and promptly perform the following requirements ("Compliance Guarantee Requirements"):

1. In response to MHC's email and/or telephone request, provide MHC with timely and accurate information regarding all changes in CITY facility treatment processes, personnel, equipment used, operating procedures, equipment maintenance procedures, quantities of chemicals used, and other matters relevant to EPA or State Risk Management Program Requirements. It shall be CITY's responsibility to return MHC's telephone call based on MHC leaving no more than three (3) voicemail messages at CITY's telephone number of record and/or sending no more than three (3) emails to CITY's email address of record within a four (4) week period;

2. Promptly implement and adequately document the performance of the recurring requirements specified in the written Prevention Program provided by MHC to CITY, including proper equipment maintenance in accordance with manufacturer's specifications and proper training of new facility operators and service suppliers ("Recurring Requirements");

3. Promptly implement and adequately document the performance of all actions specified as needed for EPA and State Risk Management Program compliance in MHC Compliance Alerts made available on CITY's MHC website home page accessible at www.MunicipalH2O.com and/or provided to CITY in a written communication from MHC delivered by U.S. Postal service mail, overnight courier, email or Facsimile ("Required Actions");

4. Promptly reply to any MHC telephone call when a voicemail is left by MHC at CITY telephone number of record indicating the call is regarding CITY "RMP Compliance Update" and promptly reply to any email from MHC entitled "RMP Compliance Update" sent to CITY email address of record.; and

5. Ensure that MHC is always provided with current information regarding CITY designated compliance contact person, an alternate contact person in the event that the primary contact person is not available, and the telephone number(s), email address(es) and Facsimile number(s) appropriate for compliance-related communications.

6. Promptly notify MHC of receipt of any communication from EPA, OSHA or a state agency regarding CITY's non-compliance with RMP requirements covered under this Agreement; and grant MHC permission to communicate directly with EPA, OSHA or state agency making such allegation of non-compliance in an effort to avoid a citation or mitigate the amount of fine related to the alleged non-compliance.

EXHIBIT C

Municipal H2O RMP Compliance. Guaranteed.
One Financial Centre
650 S. Shackleford Rd, Suite 325
Little Rock, AR 72211-3546
Phone: 800-897-9425 FAX: 501-537-7778

RMP COMPLIANCE SERVICES PROGRAM

Program Services

The City of Galveston has allowed us to assist with their RMP compliance requirements for a number of years. When the city first became a client, MunicipalH2O completed the following RMP compliance activities and documentation for each facility:

- Completed a fully documented EPA Program Level 2 Compliance Audit (and report) to ensure all elements are in compliance with RMP requirements,
- Created new Hazard Assessment and RMP Prevention Program documents and,
- Prepared updated RMP registration file for each facility and submitted to EPA using RMP*eSubmit to meet five-year RMP update requirements.

To ensure these facilities remain in compliance with RMP regulations there are certain activities that must be completed and documented on a regular basis. Some of these activities include:

Activity	Update Required
Registration Update	Every 5 Years
Hazard Review/Process Hazard Analysis	Every 5 Years
Hazard Assessment	Every 5 Years
Compliance Audit	Every 3 Years
Operating Procedures Training	Every 3 Years
Hoist Certification	Every Year
Emergency Response Coordination Activities	Every Year

The annual program fee is for our assistance with ensuring this documentation is in place for each facility.

Program Benefits

As a MunicipalH2O RMP Compliance Services Program client, the service also provides the City of Galveston with the following benefits for each facility:

- A guarantee to pay any EPA fine resulting from a compliance violation caused by an error or omission by MunicipalH2O during the term of our service.
- Access to numerous safety videos and chemical specific guidance documents related to safe handling of RMP chemicals for use in training.

- Online tools and 90-day advance notification emails to remind facility personnel of required RMP activity deadlines and assistance in completing work prior to the deadline.
- Monthly Guidance and Tips emails to keep facility personnel up-to-date on RMP compliance information and issues to help maintain their RMP program and ensure compliance with EPA regulations.
- A comprehensive review of all RMP documents for the facility prior to an EPA inspection to ensure RMP program elements are in order and up-to-date and guidance on how to be better prepared on the day of the inspection.
- An annual Compliance Review for the facility.
- No charge for updates to RMP documents and EPA registration changes if there are any process changes at the facility or any RMP regulation changes requiring RMP document updates.
- Ensured continuity of RMP compliance in the event of loss of key RMP personnel due to retirement or job change. MunicipalH2O works with new personnel to make certain they understand RMP rules and are aware of local RMP activities required to remain in continuous compliance.
- All RMP compliance documents for the facility are maintained in MunicipalH2O's online data system making them easy to retrieve from any internet connection.
- RMP documents are stored in an off-site data storage facility and are backed-up several times a day for disaster recovery purposes.
- Year-round availability of professional RMP consulting services.

We will work closely with Galveston personnel to ensure all required RMP processes and documents are up-to-date for each facility and that they remain in continuous compliance with RMP requirements.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 9/20/2019

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Liberty Mutual Insurance Co. National Insurance East 2000 Westwood Dr. Wausau, WI 54401 www.LibertyMutual.com	CONTACT NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS: CMeCertProduction@LibertyMutual.com
INSURED Landrum Human Resource Companies, Inc., Etal 6723 Plantation Road Pensacola FL 32504-0698	INSURER(S) AFFORDING COVERAGE — NAIC # INSURER A : Liberty Mutual Fire Insurance Company — 23035 INSURER B : INSURER C : INSURER D : INSURER E : INSURER F :

COVERAGES CERTIFICATE NUMBER: 51258671 REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$
	☐ CLAIMS-MADE ☐ OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
							MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$
	☐ POLICY ☐ PRO-JECT ☐ LOC						PRODUCTS - COMP/OP AGG	$
	OTHER:							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	☐ ANY AUTO						BODILY INJURY (Per person)	$
	☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
	UMBRELLA LIAB ☐ OCCUR						EACH OCCURRENCE	$
	EXCESS LIAB ☐ CLAIMS-MADE						AGGREGATE	$
	DED ☐ RETENTION $							$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY		✓	WA2-65D-428303-069	1/1/2019	1/1/2020	✓ PER STATUTE ☐ OTH-ER	
	ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N [N] N/A			WC2-651-291281-169	1/1/2019	1/1/2020	E.L. EACH ACCIDENT	$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Workers Compensation coverage for Employees leased to but not subcontractors of AssureCo, LLC DBA Municipal H2O, 650 S Shackleford Rd Ste 325, Little Rock, AR 72211.
Waiver of subrogation is included in favor of the certificate holder, where required by written contract, and where applicable by law.

CERTIFICATE HOLDER

City of Galveston, TX
PO Box 779
Galveston TX 77553

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE
Roberta Johnson

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ASSUR-1 OP ID: CJ

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 09/20/2019

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER The Hatcher Agency Property and Casualty 310 Louisiana Little Rock, AR 72201 Cheri Johnson	CONTACT NAME: Cheri Johnson PHONE (A/C, No, Ext): 501-375-3737 FAX (A/C, No): 501-375-0446 E-MAIL ADDRESS: cheri@hatcheragency.com
INSURED AssureCo Risk Management & Regulatory Compliance LLC dba MunicipalH2O Steve Glenn 650 S Shackleford Rd Ste 325 Little Rock, AR 72211	INSURER(S) AFFORDING COVERAGE — NAIC # INSURER A : Twin City Fire — 29459 INSURER B : Beazley Lloyds — 112200 INSURER C : Evanston Insurance INSURER D : INSURER E : INSURER F :

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS		
A	GENERAL LIABILITY X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: X POLICY PRO-JECT LOC	X		38SBAVK4667	06/20/2019	06/20/2020	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ $ $ $ $ $	1,000,000 1,000,000 10,000 1,000,000 2,000,000 2,000,000
A	AUTOMOBILE LIABILITY ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS X HIRED AUTOS X NON-OWNED AUTOS			38SBAVK4667	06/20/2019	06/20/2020	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (PER ACCIDENT)	$ $ $ $	1,000,000
C	UMBRELLA LIAB X OCCUR X EXCESS LIAB CLAIMS-MADE DED RETENTION $			MKLV2EFX100373	09/05/2019	09/05/2020	EACH OCCURRENCE AGGREGATE	$ $	1,000,000 1,000,000
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N / A					WC STATU-TORY LIMITS OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ $ $	
B	Professional Liab			W11138180901	10/22/2018	10/22/2019	Occurrenc Aggregate		1,000,000 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

CERTIFICATE HOLDER

City of Galveston
P.O. Box 779
Galveston, TX 77550

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE
Cheri Johnson

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The ACORD name and logo are registered marks of ACORD

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY
CERTIFICATION OF FILING

Certificate Number:
2019-542799

Date Filed:
09/20/2019

Date Acknowledged:

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.
MunicipalH2O
Little Rock, AR United States

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.
City of Galveston

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.
COG-CON-19-106
RMP Compliance services for WWTP and Pump Stations

4 Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
		Controlling	Intermediary

5 Check only if there is NO Interested Party. [X]

6 UNSWORN DECLARATION

My name is Stephen Glenn, and my date of birth is 9-2-53.

My address is 650 S. Shackleford Rd, Ste 325, Little Rock, AR, 72211, USA.
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in Pulaski County, State of Arkansas, on the 20th day of Sept. (month), 2019 (year).

Signature of authorized agent of contracting business entity
(Declarant)

City of Galveston

DEPARTMENT OF PUBLIC WORKS

Angelo Grasso, Director of Municipal Utilities
agrasso@galvestontx.gov | Office Number: (409) 797-3962 | www.galvestontx.gov

Date: October 2, 2019

To: Brian Maxwell, City Manager
Angelo Grasso, Assistant Director of Municipal Utilities

RE: City Council to consider payment of an amount not to exceed $50,000.00 to T Construction, LLC for Emergency Repairs to the 8 Inch Sanitary Sewer System on 25th Street at the Postoffice - Church Street Alley. Authorizing the City Manager to execute all necessary documents upon final approval by the City Attorney.

I. Background

a. There is an existing east-west 8-inch sanitary sewer system that crosses 25th Street at the Postoffice - Church Street alley. This sanitary sewer system crosses 2 exposed and 1 buried trolley track on 25th Street.

b. The Collection Division of the Public Works Department received a complaint concerning a cave-in of the 8-inch sanitary sewer on the west side of 25th Street at the Postoffice - Church Street alley. Upon investigating the cave-in and televising the sanitary sewer system, it was determined that the sanitary sewer line needed to be replaced. Because of the sanitary sewer system crossing underneath trolley tracks, it was determined that the static pipe bursting method would be best alternative to repair the sanitary sewer system across 25th Street. This would allow for the sanitary sewer system crossing 25th Street to be repaired without disturbing the integrity of the existing trolley tracks.

II. Current Situation

a. In order to replace the existing 8-inch sanitary sewer system crossing 25th Street using the static pipe bursting method, the Collection Division requested quotes from various contractors. The repair of this sanitary sewer system needs to be made before the start of the Lonestar Rally. The Collection Division requested and received the following quotes:

- T Construction, LLC $45,546.00
- Texas Pride Utilities $48,000.00
- Android Construction Utilities $72,000.00

b. T Construction, LLC provided the lowest, most responsive quote to static pipe burst the sanitary sewer system across 25th Street at the Postoffice - Church Street alley at a cost of $45,546.00.

c. In order to repair the sanitary sewer system crossing 25th Street at the Postoffice - Church Street alley before the Lonestar Rally, T Construction, LLC was authorized by the City Manager to repairs using the static pipe bursting method.

City of Galveston

DEPARTMENT OF PUBLIC WORKS

Angelo Grasso, Director of Municipal Utilities
agrasso@galvestontx.gov | Office Number: (409) 797-3962 | www.galvestontx.gov

III. Issues

a. **Cost – The cost estimate by T Construction, LLC for the emergency repairs on the 8-inch sanitary sewer line crossing 25th Street at the Postoffice - Church Street alley is estimated to be approximately $45,546.00. City staff will be asking for $50,000.00 to be allocated for the project.**

b. **Timing of the Sewer System Repairs – Because of the need to repair the sanitary sewer system prior to the Lonestar Rally, T Construction LLC commenced the emergency repair of the sanitary sewer system prior to approval by City Council.**

IV. Recommendation

City Council to consider payment of an amount not to exceed $50,000.00 to T Construction, LLC for Emergency Repairs to the 8 Inch Sanitary Sewer System on 25th Street at the Postoffice - Church Street Alley.

VI. Fiscal Impact Report

Requested by:	**Angelo Grasso Assistant Director of Municipal Utilities**
Funding Source:	**2019 – 2020 Sewer Rehabilitation Capital Improvement Project**
Costs of implementation:	**Not to Exceed $50,000.00**

Respectfully Submitted,

Angelo Grasso
Assistant Director of Municipal Utilities

Forwarded for Approval,

Brandon Cook, Assistant City Manager of Development and Municipal Services

T CONSTRUCTION, L.L.C.

12605 McNair St * Houston, Texas 77015 * Ph. 832-582-8420 * Fx. 832-582-8421

October 2, 2019

City of Galveston Purchasing Dept
Attention: Mr. Angelo Grasso
823 Rosenberg St., Room 306
Galveston, Texas 77550

RE: Galveston, #19-14, Sanitary Sewer & Force Main Rehab. Tap Installation Annual Service Agreement. 25th Street – 8" Static Burst.

Mr. Grasso,

T Construction, LLC is providing a proposal for performing **"Static Burst"** Below is the estimate cost per contract pay items; please review for your approval.

ITEM	DESCRIPTION	UNIT	QTY	UNIT PRICE	EXTENDED
1	**MOBILIZATION, DEMOBILIZATION**				
A	CCTV INSPECTION & CLEANING	LS	1	$2,700.00	$2,700.00
C	PIPE BURSTING	LS	1	$3,900.00	3,900.00
2	**TRENCH SAFETY, ALL SIZES/DEPTHS**				
A	TRENCH SAFETY SYSTEMS (ALL SIZES, ALL DEPTHS)	LF	30	$15.00	$450.00
3	**SET UP & OPER OF BYPASS PUMP FOR DIVERSION FLOW ARND EXIST SAN SWRS**				
A	BYPASS SET UP FOR 3" PUMP	EA	1	$1,700.00	$1,700.00
E	BYPASS PUMPING FOR EACH 3" PUMP PER DAY	DAY	3	$500.00	$1,500.00
5	**TRAFFIC CONTROL MEASURES PER DAY**	DAY	4	$1,250.00	$5,000.00
7	**REMOVE/DISPOSE EXIST STRUCTURE & PAVEMENT**				
A	REMOVAL OF ASPHALTIC PVMT & BASE COURSES, ALL THICKNESSES	SY	28	$12.00	$336.00
9	**ASPHALTIC PAVING**				
A	PLACEMENT OF ASPHALT PAVING , INCL. BASE COURSE	SY	28	$85.00	$2,380.00
19	**CLEANING & TELEVISION INSPECTION**				
A	LINE CLEANING OF SEWERS, </=18"	LF	110	$8.00	$880.00
22	**PRE-CAST MANHOLES & CONCRETE STRUCTURES**				
A	INSTALL OR NEW/REPLACEMENT 4' DIA. MH LESS THAN OR EQUAL TO 10' IN DEPTH INCL RMVL OF EXIST MH	EA	1	$6,800.00	$6,800.00

Cc; Juan Ramon Torres – President
Cc; Leydy Ojeda – Assistant Contract Coordinator

25	**INTALLATION OF WELL POINT DEWATERING SYSTEM**				
A	WELL POINT DEWATERING SYSTEM FOR SEWER INSTALLLATION UP TO 10' DEEP	LF	20	$225.00	$4,500.00
46	**BOND PREMIUMS & INSURANCE**				
A	PROVIDE ALL BONDS AND INSURANCE AS REQUIRED BY THE CONTRACT, PER LS	LS	0.25	$15,000.00	$3,750.00
	Total				***$30,146.00***

Pay Item not under this contract

ITEM	DESCRIPTION	UNIT	QTY	UNIT PRICE	EXTENDED
A	REPLACE 8" by STATIC BURST METHOD	LF	110	$140.00	$15,400.00
	Total				**$15,400.00**

Grand Total **$45,546.00**

Note 1: Due to the complexity of the area in which the sanitary sewer line goes under (Trolly Tracks). Normal Pipeburst is not recommended due to the Vibration. We recommend to rehabilitate this line by Static Burst Method. We do not have an existing pay item under our current contract for Static Burst. Therefore, we request to get compensated under a change order of pay item No. A.

This price includes Mobilization, Labor, Equipment, Material, Trench Safety, Confined Space Entry and Supervision.

T Construction, LLC proposes to complete this work within 35 days. If you have any questions, please don't hesitate to contact me.

Sincerely,

Yomin Villares
Managing Director
T Construction, LLC
Phone: (832)582-8420
Fax: (832)582-8421
Email: yvillares@tconstructionllc.com

Accepted By: _____ Date: _____ Title: _____

Cc; Juan Ramon Torres – President
Cc; Leydy Ojeda – Assistant Contract Coordinator

City of Galveston

DEPARTMENT OF PUBLIC WORKS

Angelo Grasso, Director of Municipal Utilities
agrasso@galvestontx.gov | Office Number: (409) 797-3962 | www.galvestontx.gov

October 4, 2019

To: **Brian Maxwell, City Manager**
Honorable Mayor and City Council Members

From: Angelo Grasso, Assistant Director of Municipal Utilities

RE: **City Council to consider awarding the Annual Fire Hydrant Replacement Project (RFP 19–27) to Texas Pride Utilities, LLC for an amount not to exceed $1,985,000.00. Authorizing the City Manager to execute all necessary documents upon final approval by the City Attorney.**

I. Background

A. **Many of the city's fire hydrants are in need of replacement.**
B. **The City does have a dedicated crew to repair/replace hydrants on a daily basis.**
C. **Historically, the City has used contractors to supplement City personnel in this continued effort.**

II. Current Situation

A. **The City of Galveston advertised for a Request for Proposal (RFP) on the Fire Hydrant Replacement Project. This Request for Proposal contract has approximately 70 bid items related to the repair or replacement of fire hydrants.**
B. **Sealed Request for Proposals for the Fire Hydrant Replacement Project were opened on August 21, 2019 at 2:00 PM.**
C. **6 companies submitted proposals. 2 companies were non-responsive. BRH Garver, Resicom Inc., T Construction, LLC and Texas Pride Utilities, LLC submitted responsive proposals to the City of Galveston. Bid tabulations were compared and scored by a 3-person scoring committee. The following was the total score for each contractor scored by the committee:**

	Score
Texas Pride Utilities, LLC	1,316
Resicom Inc.	1,300
T Construction, LLC	1,185
BRH Garver	1,100

D. **Texas Pride Utilities, LLC received the highest score from the committee. The fire hydrant committee is recommending that Texas Pride Utilities, LLC be chosen as the contractor to replace fire hydrants in the most efficient way possible for the safety of the citizens, business owners, and their property.**

City of Galveston

DEPARTMENT OF PUBLIC WORKS

Angelo Grasso, Director of Municipal Utilities
agrasso@galvestontx.gov | Office Number: (409) 797-3962 | www.galvestontx.gov

III. Issues

1. **Cost – Cost is estimated on per item bid, with a maximum funding of $1,985,000.00.**
2. **Timing – ASAP.**
3. **Impact or ramifications – Approving Texas Pride Utilities, LLC as the fire hydrant replacement contractor will result in fire hydrants being replaced in a quicker time frame.**

IV. Recommendation

Award the Annual Fire Hydrant Replacement Project (RFP 19–27) to Texas Pride Utilities, LLC for an amount not to exceed $1,985,000.00.

VI. Fiscal Impact Report

Requested by:	**Angelo Grasso Assistant Director of Municipal Utilities**
Funding Source:	**Certificate of Obligation Water Funds**
Construction Cost:	**$1,985,000.00 (Contractor)**
Construction Administration:	**$ 15,000.00 (Project Management – Inspection)**
Total Cost of Implementation:	**$2,000,000.00**

Respectfully Submitted,

Angelo Grasso

Angelo Grasso
Assistant Director of Municipal Utilities

Forwarded for Approval,

Brandon Cook, Assistant City Manager
of Development and Municipal Services

SCORE SHEET FOR THE FIRE HYDRANT REPLACEMENT PROJECT

RESICOM INC.	Cost	Past Performance	Project Manager	Reference Provided	Total Score
Evaluator #1 Score	5	4	4	Yes	
Score Total	200	120	120		440
Evaluator #2 Score	5	4	4	Yes	
Score Total	200	120	120		440
Evaluator #3 Score	4.5	4	4	Yes	
Score Total	180	120	120		420

TEXAS PRIDE UTILITIES	Cost	Past Performance	Project Manager	Reference Provided	Total Score
Evaluator #1 Score	4.5	4	3	Yes	
Score Total	180	120	90		420
Evaluator #2 Score	5	4	4.7	Yes	
Score Total	200	120	141		461
Evaluator #3 Score	4.5	4	4.5	Yes	
Score Total	180	120	135		435

T CONSTRUCTION, LLC	Cost	Past Performance	Project Manager	Reference Provided	Total Score
Evaluator #1 Score	4	4	3	Yes	
Score Total	160	120	90		370
Evaluator #2 Score	4	4.5	4	Yes	
Score Total	160	135	120		415
Evaluator #3 Score	4	4	4	Yes	
Score Total	160	120	120		400

BRH GARVER	Cost	Past Performance	Project Manager	Reference Provided	Total Score
Evaluator #1 Score	3	4	4	Yes	
Score Total	120	120	120		360
Evaluator #2 Score	3	4	4	Yes	
Score Total	120	120	120		360
Evaluator #3 Score	3.5	4	4	Yes	
Score Total	140	120	120		380

TOTAL CUMULATIVE SCORE FOR EACH CONTRACTOR

	Evaluator #1	Evaluator #2	Evaluator #3	Total Score
TEXAS PRIDE UTILITIES, LLC	1316	0	0	1,316
RESICOM INC.	1300	0	0	1,300
T CONSTRUCTION, LLC	370	415	400	1,185
TEXAS PRIDE UTILITIES, LLC	360	360	380	1,100

BID TABULATION FIRE HYDRANT REPLACEMENT 2019 - RFP 19-27

RESICOM, INC

ITEM NO.	DESCRIPTION OF WORK	UNIT OF MEASURE	PRICE
(1) Mobilization (SECTION 01505 - Mobilization)			
1	Mobilization	LS	$ 48,000.00
(2) Trench Safety (SECTION 01526 - Trench Safety Systems)			
2	Trench Excavation Safety Protection (SECTION 01526 - Trench Safety Systems) (all sizes, all depths)	LF	$ 5.00
(3) Removal and Disposal of Existing Structures and Pavement (SECTION 02076- Removing Existing Pavements and Structures)			
3a	Removal of Asphaltic Pavement & Base Courses, All Thicknesses (Including Saw Cutting)	SY	$ 27.00
3b	Removal of Concrete Pavement, up to 9" Thick, and Associated Base Courses (Including Curb/Gutter/Saw Cutting)	SY	$ 30.00
3c	Removal of Concrete Pavement >9" and up to 12" Thick and Associated Base Courses (Including Curb/Gutter/Saw Cutting)	SY	$ 35.00
3d	Remove Existing Fire Hydrant Assembly (Not Serviced by Valve) From Tee or Tapping Sleeve on Water Main	LS	$ 300.00
3e	Remove Existing Fire Hydrant Assembly (Serviced by Valve) From Flange Face on Hydrant Side of Valve	LS	$ 200.00
(4) Connecting to Existing Main Water Line (SECTION 02664 - Water Mains)			
4	Connect to Existing Main Water Line at Tee or Tapping Sleeve When Installing New Fire Hydrant on Main Water Line Without a Valve Adjacent to Hydrant	EA	$ 1,900.00
(5) Provide New Tapping Sleeve and Valve on PVC Water Line (SECTION 02626 - Tapping Sleeves and Valves)			
5a	6" X 6" TS & V	EA	$ 4,800.00
5b	6" X 8" TS & V	EA	$ 4,200.00
5c	6" X 10" TS & V	EA	$ 4,300.00
5d	6" X 12" TS & V	EA	$ 4,400.00
(6) Provide New Tapping Sleeve and Valve on Asbestos Cement Water Line (SECTION 02626 - Tapping Sleeves and Valves)			
6a	6" X 6" TS & V	EA	$ 5,000.00
6b	6" X 8" TS & V	EA	$ 4,200.00
6c	6" X 10" TS & V	EA	$ 4,300.00
6d	6" X 12" TS & V	EA	$ 4,400.00
(7) Provide New Tapping Sleeve and Valve on Ductile or Cast Iron Water Line (SECTION 02626 - Tapping Sleeve and Valves)			
7a	6" X 6" TS & V	EA	$ 5,000.00
7b	6" X 8" TS & V	EA	$ 4,300.00

T CONSTRUCTION, LLC

ITEM NO.	DESCRIPTION OF WORK	UNIT OF MEASURE	PRICE
(1) Mobilization (SECTION 01505 - Mobilization)			
1	Mobilization	LS	$ 45,000.00
(2) Trench Safety (SECTION 01526 - Trench Safety Systems)			
2	Trench Excavation Safety Protection (SECTION 01526 - Trench Safety Systems) (all sizes, all depths)	LF	$ 50.00
(3) Removal and Disposal of Existing Structures and Pavement (SECTION 02076- Removing Existing Pavements and Structures)			
3a	Removal of Asphaltic Pavement & Base Courses, All Thicknesses (Including Saw Cutting)	SY	$ 15.00
3b	Removal of Concrete Pavement, up to 9" Thick, and Associated Base Courses (Including Curb/Gutter/Saw Cutting)	SY	$ 22.00
3c	Removal of Concrete Pavement >9" and up to 12" Thick and Associated Base Courses (Including Curb/Gutter/Saw Cutting)	SY	$ 25.00
3d	Remove Existing Fire Hydrant Assembly (Not Serviced by Valve) From Tee or Tapping Sleeve on Water Main	LS	$ 700.00
3e	Remove Existing Fire Hydrant Assembly (Serviced by Valve) From Flange Face on Hydrant Side of Valve	LS	$ 1,350.00
(4) Connecting to Existing Main Water Line (SECTION 02664 - Water Mains)			
4	Connect to Existing Main Water Line at Tee or Tapping Sleeve When Installing New Fire Hydrant on Main Water Line Without a Valve Adjacent to Hydrant	EA	$ 1,200.00
(5) Provide New Tapping Sleeve and Valve on PVC Water Line (SECTION 02626 - Tapping Sleeves and Valves)			
5a	6" X 6" TS & V	EA	$ 3,500.00
5b	6" X 8" TS & V	EA	$ 3,900.00
5c	6" X 10" TS & V	EA	$ 4,200.00
5d	6" X 12" TS & V	EA	$ 4,600.00
(6) Provide New Tapping Sleeve and Valve on Asbestos Cement Water Line (SECTION 02626 - Tapping Sleeves and Valves)			
6a	6" X 6" TS & V	EA	$ 3,500.00
6b	6" X 8" TS & V	EA	$ 3,900.00
6c	6" X 10" TS & V	EA	$ 4,200.00
6d	6" X 12" TS & V	EA	$ 4,600.00
(7) Provide New Tapping Sleeve and Valve on Ductile or Cast Iron Water Line (SECTION 02626 - Tapping Sleeve and Valves)			
7a	6" X 6" TS & V	EA	$ 3,500.00
7b	6" X 8" TS & V	EA	$ 3,900.00

BRH GARVER

ITEM NO.	DESCRIPTION OF WORK	UNIT OF MEASURE	PRICE
(1) Mobilization (SECTION 01505 - Mobilization)			
1	Mobilization	LS	$ 28,939.00
(2) Trench Safety (SECTION 01526 - Trench Safety Systems)			
2	Trench Excavation Safety Protection (SECTION 01526 - Trench Safety Systems) (all sizes, all depths)	LF	$ 1.00
(3) Removal and Disposal of Existing Structures and Pavement (SECTION 02076- Removing Existing Pavements and Structures)			
3a	Removal of Asphaltic Pavement & Base Courses, All Thicknesses (Including Saw Cutting)	SY	$ 12.00
3b	Removal of Concrete Pavement, up to 9" Thick, and Associated Base Courses (Including Curb/Gutter/Saw Cutting)	SY	$ 20.00
3c	Removal of Concrete Pavement >9" and up to 12" Thick and Associated Base Courses (Including Curb/Gutter/Saw Cutting)	SY	$ 29.00
3d	Remove Existing Fire Hydrant Assembly (Not Serviced by Valve) From Tee or Tapping Sleeve on Water Main	LS	$ 2,749.00
3e	Remove Existing Fire Hydrant Assembly (Serviced by Valve) From Flange Face on Hydrant Side of Valve	LS	$ 2,226.00
(4) Connecting to Existing Main Water Line (SECTION 02664 - Water Mains)			
4	Connect to Existing Main Water Line at Tee or Tapping Sleeve When Installing New Fire Hydrant on Main Water Line Without a Valve Adjacent to Hydrant	EA	$ 1,095.00
(5) Provide New Tapping Sleeve and Valve on PVC Water Line (SECTION 02626 - Tapping Sleeves and Valves)			
5a	6" X 6" TS & V	EA	$ 6,133.00
5b	6" X 8" TS & V	EA	$ 5,309.00
5c	6" X 10" TS & V	EA	$ 5,389.00
5d	6" X 12" TS & V	EA	$ 5,894.00
(6) Provide New Tapping Sleeve and Valve on Asbestos Cement Water Line (SECTION 02626 - Tapping Sleeves and Valves)			
6a	6" X 6" TS & V	EA	$ 6,133.00
6b	6" X 8" TS & V	EA	$ 5,309.00
6c	6" X 10" TS & V	EA	$ 5,389.00
6d	6" X 12" TS & V	EA	$ 5,543.00
(7) Provide New Tapping Sleeve and Valve on Ductile or Cast Iron Water Line (SECTION 02626 - Tapping Sleeve and Valves)			
7a	6" X 6" TS & V	EA	$ 6,133.00
7b	6" X 8" TS & V	EA	$ 5,309.00

TEXAS PRIDE UTILITIES, LLC

ITEM NO.	DESCRIPTION OF WORK	UNIT OF MEASURE	PRICE
(1) Mobilization (SECTION 01505 - Mobilization)			
1	Mobilization	LS	$ 25,000.00
(2) Trench Safety (SECTION 01526 - Trench Safety Systems)			
2	Trench Excavation Safety Protection (SECTION 01526 - Trench Safety Systems) (all sizes, all depths)	LF	$ 5.00
(3) Removal and Disposal of Existing Structures and Pavement (SECTION 02076- Removing Existing Pavements and Structures)			
3a	Removal of Asphaltic Pavement & Base Courses, All Thicknesses (Including Saw Cutting)	SY	$ 20.00
3b	Removal of Concrete Pavement, up to 9" Thick, and Associated Base Courses (Including Curb/Gutter/Saw Cutting)	SY	$ 25.00
3c	Removal of Concrete Pavement >9" and up to 12" Thick and Associated Base Courses (Including Curb/Gutter/Saw Cutting)	SY	$ 25.00
3d	Remove Existing Fire Hydrant Assembly (Not Serviced by Valve) From Tee or Tapping Sleeve on Water Main	LS	$ 800.00
3e	Remove Existing Fire Hydrant Assembly (Serviced by Valve) From Flange Face on Hydrant Side of Valve	LS	$ 800.00
(4) Connecting to Existing Main Water Line (SECTION 02664 - Water Mains)			
4	Connect to Existing Main Water Line at Tee or Tapping Sleeve When Installing New Fire Hydrant on Main Water Line Without a Valve Adjacent to Hydrant	EA	$ 750.00
(5) Provide New Tapping Sleeve and Valve on PVC Water Line (SECTION 02626 - Tapping Sleeves and Valves)			
5a	6" X 6" TS & V	EA	$ 3,400.00
5b	6" X 8" TS & V	EA	$ 3,750.00
5c	6" X 10" TS & V	EA	$ 4,000.00
5d	6" X 12" TS & V	EA	$ 4,250.00
(6) Provide New Tapping Sleeve and Valve on Asbestos Cement Water Line (SECTION 02626 - Tapping Sleeves and Valves)			
6a	6" X 6" TS & V	EA	$ 3,400.00
6b	6" X 8" TS & V	EA	$ 3,750.00
6c	6" X 10" TS & V	EA	$ 4,000.00
6d	6" X 12" TS & V	EA	$ 4,250.00
(7) Provide New Tapping Sleeve and Valve on Ductile or Cast Iron Water Line (SECTION 02626 - Tapping Sleeve and Valves)			
7a	6" X 6" TS & V	EA	$ 3,400.00
7b	6" X 8" TS & V	EA	$ 3,750.00

BID TABULATION FIRE HYDRANT REPLACEMENT 2019 - RFP 19-27

RESICOM, INC

ITEM NO.	DESCRIPTION OF WORK	UNIT OF MEASURE	PRICE
7c	6" X 10" TS & V	EA	$ 4,300.00
7d	6" X 12" TS & V	EA	$ 4,400.00
(8) Provide New Fire Hydrant Assembly (SECTION 02645) Including 6" Gate Valve, Complete In Place, With Threads on Steamer Nozzle According to Galveston Requirements and Standards			
8a	New Hydrant Assembly **(2-3 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **6" Water Source**	EA	$ 5,800.00
8b	New Hydrant Assembly **(3-4 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **6" Water Source**	EA	$ 6,100.00
8c	New Hydrant Assembly **(4-5 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **6" Water Source**	EA	$ 6,200.00
8d	New Hydrant Assembly **(5-6 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **6" Water Source**	EA	$ 6,300.00
8e	New Hydrant Assembly **(6-7 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **6" Water Source**	EA	$ 6,400.00
8f	New Hydrant Assembly **(7-8 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **6" Water Source**	EA	$ 6,500.00
8g	New Hydrant Assembly **(2-3 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **8" Water Source**	EA	$ 6,400.00
8h	New Hydrant Assembly **(3-4 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **8" Water Source**	EA	$ 6,500.00
8i	New Hydrant Assembly **(4-5 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **8" Water Source**	EA	$ 6,500.00
8j	New Hydrant Assembly **(5-6 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **8" Water Source**	EA	$ 6,600.00
8k	New Hydrant Assembly **(6-7 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **8" Water Source**	EA	$ 6,700.00
8l	New Hydrant Assembly **(7-8 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **8" Water Source**	EA	$ 6,800.00
8m	New Hydrant Assembly **(2-3 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **10" Water Source**	EA	$ 6,900.00
8n	New Hydrant Assembly **(3-4 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **10" Water Source**	EA	$ 7,000.00
8o	New Hydrant Assembly **(4-5 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **10" Water Source**	EA	$ 7,100.00

T CONSTRUCTION, LLC

ITEM NO.	DESCRIPTION OF WORK	UNIT OF MEASURE	PRICE
7c	6" X 10" TS & V	EA	$ 4,200.00
7d	6" X 12" TS & V	EA	$ 4,600.00
(8) Provide New Fire Hydrant Assembly (SECTION 02645) Including 6" Gate Valve, Complete In Place, With Threads on Steamer Nozzle According to Galveston Requirements and Standards			
8a	New Hydrant Assembly **(2-3 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **6" Water Source**	EA	$ 7,000.00
8b	New Hydrant Assembly **(3-4 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **6" Water Source**	EA	$ 7,800.00
8c	New Hydrant Assembly **(4-5 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **6" Water Source**	EA	$ 7,800.00
8d	New Hydrant Assembly **(5-6 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **6" Water Source**	EA	$ 7,500.00
8e	New Hydrant Assembly **(6-7 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **6" Water Source**	EA	$ 7,500.00
8f	New Hydrant Assembly **(7-8 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **6" Water Source**	EA	$ 7,900.00
8g	New Hydrant Assembly **(2-3 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **8" Water Source**	EA	$ 7,000.00
8h	New Hydrant Assembly **(3-4 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **8" Water Source**	EA	$ 7,800.00
8i	New Hydrant Assembly **(4-5 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **8" Water Source**	EA	$ 7,800.00
8j	New Hydrant Assembly **(5-6 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **8" Water Source**	EA	$ 7,500.00
8k	New Hydrant Assembly **(6-7 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **8" Water Source**	EA	$ 7,500.00
8l	New Hydrant Assembly **(7-8 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **8" Water Source**	EA	$ 7,900.00
8m	New Hydrant Assembly **(2-3 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **10" Water Source**	EA	$ 7,000.00
8n	New Hydrant Assembly **(3-4 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **10" Water Source**	EA	$ 7,800.00
8o	New Hydrant Assembly **(4-5 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **10" Water Source**	EA	$ 7,800.00

BRH GARVER

ITEM NO.	DESCRIPTION OF WORK	UNIT OF MEASURE	PRICE
7c	6" X 10" TS & V	EA	$ 5,389.00
7d	6" X 12" TS & V	EA	$ 5,543.00
(8) Provide New Fire Hydrant Assembly (SECTION 02645) Including 6" Gate Valve, Complete In Place, With Threads on Steamer Nozzle According to Galveston Requirements and Standards			
8a	New Hydrant Assembly **(2-3 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **6" Water Source**	EA	$ 10,122.00
8b	New Hydrant Assembly **(3-4 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **6" Water Source**	EA	$ 10,382.00
8c	New Hydrant Assembly **(4-5 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **6" Water Source**	EA	$ 10,641.00
8d	New Hydrant Assembly **(5-6 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **6" Water Source**	EA	$ 10,901.00
8e	New Hydrant Assembly **(6-7 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **6" Water Source**	EA	$ 11,433.00
8f	New Hydrant Assembly **(7-8 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **6" Water Source**	EA	$ 11,692.00
8g	New Hydrant Assembly **(2-3 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **8" Water Source**	EA	$ 10,361.00
8h	New Hydrant Assembly **(3-4 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **8" Water Source**	EA	$ 10,622.00
8i	New Hydrant Assembly **(4-5 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **8" Water Source**	EA	$ 10,881.00
8j	New Hydrant Assembly **(5-6 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **8" Water Source**	EA	$ 11,142.00
8k	New Hydrant Assembly **(6-7 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **8" Water Source**	EA	$ 11,672.00
8l	New Hydrant Assembly **(7-8 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **8" Water Source**	EA	$ 12,068.00
8m	New Hydrant Assembly **(2-3 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **10" Water Source**	EA	$ 10,797.00
8n	New Hydrant Assembly **(3-4 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **10" Water Source**	EA	$ 11,331.00
8o	New Hydrant Assembly **(4-5 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **10" Water Source**	EA	$ 12,130.00

TEXAS PRIDE UTILITIES, LLC

ITEM NO.	DESCRIPTION OF WORK	UNIT OF MEASURE	PRICE
7c	6" X 10" TS & V	EA	$ 4,000.00
7d	6" X 12" TS & V	EA	$ 4,250.00
(8) Provide New Fire Hydrant Assembly (SECTION 02645) Including 6" Gate Valve, Complete In Place, With Threads on Steamer Nozzle According to Galveston Requirements and Standards			
8a	New Hydrant Assembly **(2-3 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **6" Water Source**	EA	$ 8,500.00
8b	New Hydrant Assembly **(3-4 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **6" Water Source**	EA	$ 9,250.00
8c	New Hydrant Assembly **(4-5 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **6" Water Source**	EA	$ 9,500.00
8d	New Hydrant Assembly **(5-6 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **6" Water Source**	EA	$ 9,000.00
8e	New Hydrant Assembly **(6-7 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **6" Water Source**	EA	$ 7,000.00
8f	New Hydrant Assembly **(7-8 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **6" Water Source**	EA	$ 7,000.00
8g	New Hydrant Assembly **(2-3 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **8" Water Source**	EA	$ 7,000.00
8h	New Hydrant Assembly **(3-4 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **8" Water Source**	EA	$ 7,000.00
8i	New Hydrant Assembly **(4-5 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **8" Water Source**	EA	$ 7,000.00
8j	New Hydrant Assembly **(5-6 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **8" Water Source**	EA	$ 7,000.00
8k	New Hydrant Assembly **(6-7 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **8" Water Source**	EA	$ 7,000.00
8l	New Hydrant Assembly **(7-8 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **8" Water Source**	EA	$ 7,000.00
8m	New Hydrant Assembly **(2-3 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **10" Water Source**	EA	$ 7,000.00
8n	New Hydrant Assembly **(3-4 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **10" Water Source**	EA	$ 7,000.00
8o	New Hydrant Assembly **(4-5 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **10" Water Source**	EA	$ 7,000.00

BID TABULATION FIRE HYDRANT REPLACEMENT 2019 - RFP 19-27

RESICOM, INC

ITEM NO.	DESCRIPTION OF WORK	UNIT OF MEASURE	PRICE
8p	New Hydrant Assembly **(5-6 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **10" Water Source**	EA	$ 7,200.00
8q	New Hydrant Assembly **(6-7 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **10" Water Source**	EA	$ 7,400.00
8r	New Hydrant Assembly **(7-8 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **10" Water Source**	EA	$ 7,500.00
8s	New Hydrant Assembly **(2-3 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **12" Water Source**	EA	$ 7,100.00
8t	New Hydrant Assembly **(3-4 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **12" Water Source**	EA	$ 7,200.00
8u	New Hydrant Assembly **(4-5 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **12" Water Source**	EA	$ 7,300.00
8v	New Hydrant Assembly **(5-6 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **12" Water Source**	EA	$ 7,500.00
8w	New Hydrant Assembly **(6-7 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **12" Water Source**	EA	$ 7,700.00
8x	New Hydrant Assembly **(7-8 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **12" Water Source**	EA	$ 7,800.00
8y	New Hydrant Assembly **(2-3 foot bury)** connecting at face of an existing 6" Valve Flange on a branch off the main water source	EA	$ 4,500.00
8z	New Hydrant Assembly **(3-4 foot bury)** connecting at face of an existing 6" Valve Flange on a branch off the main water source	EA	$ 4,000.00
8aa	New Hydrant Assembly **(4-5 foot bury)** connecting at face of an existing 6" Valve Flange on a branch off the main water source	EA	$ 4,200.00
8bb	New Hydrant Assembly **(5-6 foot bury)** connecting at face of an existing 6" Valve Flange on a branch off the main water source	EA	$ 4,400.00
8cc	New Hydrant Assembly **(6-7 foot bury)** connecting at face of an existing 6" Valve Flange on a branch off the main water source	EA	$ 4,500.00
8dd	New Hydrant Assembly **(7-8 foot bury)** connecting at face of an existing 6" Valve Flange on a branch off the main water source	EA	$ 4,600.00
8ee	New Hydrant Assembly **(2-3 foot bury)** connecting to existing flange of branch pipe	EA	$ 3,800.00
8ff	New Hydrant Assembly **(3-4 foot bury)** connecting to existing flange of branch pipe	EA	$ 4,000.00
8gg	New Hydrant Assembly **(4-5 foot bury)** connecting to existing flange of branch pipe	EA	$ 4,100.00
8hh	New Hydrant Assembly **(5-6 foot bury)** connecting to existing flange of branch pipe	EA	$ 4,200.00
8ii	New Hydrant Assembly **(6-7 foot bury)** connecting to existing flange of branch pipe	EA	$ 4,500.00
8jj	New Hydrant Assembly **(7-8 foot bury)** connecting to existing flange of branch pipe	EA	$ 4,900.00

T CONSTRUCTION, LLC

ITEM NO.	DESCRIPTION OF WORK	UNIT OF MEASURE	PRICE
8p	New Hydrant Assembly **(5-6 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **10" Water Source**	EA	$ 7,500.00
8q	New Hydrant Assembly **(6-7 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **10" Water Source**	EA	$ 7,500.00
8r	New Hydrant Assembly **(7-8 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **10" Water Source**	EA	$ 7,900.00
8s	New Hydrant Assembly **(2-3 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **12" Water Source**	EA	$ 7,000.00
8t	New Hydrant Assembly **(3-4 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **12" Water Source**	EA	$ 7,800.00
8u	New Hydrant Assembly **(4-5 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **12" Water Source**	EA	$ 7,800.00
8v	New Hydrant Assembly **(5-6 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **12" Water Source**	EA	$ 7,500.00
8w	New Hydrant Assembly **(6-7 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **12" Water Source**	EA	$ 7,500.00
8x	New Hydrant Assembly **(7-8 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **12" Water Source**	EA	$ 7,900.00
8y	New Hydrant Assembly **(2-3 foot bury)** connecting at face of an existing 6" Valve Flange on a branch off the main water source	EA	$ 7,000.00
8z	New Hydrant Assembly **(3-4 foot bury)** connecting at face of an existing 6" Valve Flange on a branch off the main water source	EA	$ 7,800.00
8aa	New Hydrant Assembly **(4-5 foot bury)** connecting at face of an existing 6" Valve Flange on a branch off the main water source	EA	$ 7,800.00
8bb	New Hydrant Assembly **(5-6 foot bury)** connecting at face of an existing 6" Valve Flange on a branch off the main water source	EA	$ 7,500.00
8cc	New Hydrant Assembly **(6-7 foot bury)** connecting at face of an existing 6" Valve Flange on a branch off the main water source	EA	$ 7,500.00
8dd	New Hydrant Assembly **(7-8 foot bury)** connecting at face of an existing 6" Valve Flange on a branch off the main water source	EA	$ 7,900.00
8ee	New Hydrant Assembly **(2-3 foot bury)** connecting to existing flange of branch pipe	EA	$ 7,000.00
8ff	New Hydrant Assembly **(3-4 foot bury)** connecting to existing flange of branch pipe	EA	$ 7,800.00
8gg	New Hydrant Assembly **(4-5 foot bury)** connecting to existing flange of branch pipe	EA	$ 7,800.00
8hh	New Hydrant Assembly **(5-6 foot bury)** connecting to existing flange of branch pipe	EA	$ 7,500.00
8ii	New Hydrant Assembly **(6-7 foot bury)** connecting to existing flange of branch pipe	EA	$ 7,500.00
8jj	New Hydrant Assembly **(7-8 foot bury)** connecting to existing flange of branch pipe	EA	$ 7,900.00

BRH GARVER

ITEM NO.	DESCRIPTION OF WORK	UNIT OF MEASURE	PRICE
8p	New Hydrant Assembly **(5-6 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **10" Water Source**	EA	$ 12,930.00
8q	New Hydrant Assembly **(6-7 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **10" Water Source**	EA	$ 13,461.00
8r	New Hydrant Assembly **(7-8 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **10" Water Source**	EA	$ 13,991.00
8s	New Hydrant Assembly **(2-3 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **12" Water Source**	EA	$ 10,911.00
8t	New Hydrant Assembly **(3-4 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **12" Water Source**	EA	$ 11,440.00
8u	New Hydrant Assembly **(4-5 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **12" Water Source**	EA	$ 12,240.00
8v	New Hydrant Assembly **(5-6 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **12" Water Source**	EA	$ 12,840.00
8w	New Hydrant Assembly **(6-7 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **12" Water Source**	EA	$ 13,515.00
8x	New Hydrant Assembly **(7-8 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **12" Water Source**	EA	$ 14,190.00
8y	New Hydrant Assembly **(2-3 foot bury)** connecting at face of an existing 6" Valve Flange on a branch off the main water source	EA	$ 8,670.00
8z	New Hydrant Assembly **(3-4 foot bury)** connecting at face of an existing 6" Valve Flange on a branch off the main water source	EA	$ 9,200.00
8aa	New Hydrant Assembly **(4-5 foot bury)** connecting at face of an existing 6" Valve Flange on a branch off the main water source	EA	$ 9,594.00
8bb	New Hydrant Assembly **(5-6 foot bury)** connecting at face of an existing 6" Valve Flange on a branch off the main water source	EA	$ 10,125.00
8cc	New Hydrant Assembly **(6-7 foot bury)** connecting at face of an existing 6" Valve Flange on a branch off the main water source	EA	$ 11,579.00
8dd	New Hydrant Assembly **(7-8 foot bury)** connecting at face of an existing 6" Valve Flange on a branch off the main water source	EA	$ 12,015.00
8ee	New Hydrant Assembly **(2-3 foot bury)** connecting to existing flange of branch pipe	EA	$ 9,171.00
8ff	New Hydrant Assembly **(3-4 foot bury)** connecting to existing flange of branch pipe	EA	$ 9,700.00
8gg	New Hydrant Assembly **(4-5 foot bury)** connecting to existing flange of branch pipe	EA	$ 10,500.00
8hh	New Hydrant Assembly **(5-6 foot bury)** connecting to existing flange of branch pipe	EA	$ 11,300.00
8ii	New Hydrant Assembly **(6-7 foot bury)** connecting to existing flange of branch pipe	EA	$ 13,790.00
8jj	New Hydrant Assembly **(7-8 foot bury)** connecting to existing flange of branch pipe	EA	$ 14,195.00

TEXAS PRIDE UTILITIES, LLC

ITEM NO.	DESCRIPTION OF WORK	UNIT OF MEASURE	PRICE
8p	New Hydrant Assembly **(5-6 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **10" Water Source**	EA	$ 7,000.00
8q	New Hydrant Assembly **(6-7 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **10" Water Source**	EA	$ 7,000.00
8r	New Hydrant Assembly **(7-8 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **10" Water Source**	EA	$ 7,000.00
8s	New Hydrant Assembly **(2-3 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **12" Water Source**	EA	$ 7,000.00
8t	New Hydrant Assembly **(3-4 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **12" Water Source**	EA	$ 7,000.00
8u	New Hydrant Assembly **(4-5 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **12" Water Source**	EA	$ 7,000.00
8v	New Hydrant Assembly **(5-6 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **12" Water Source**	EA	$ 7,000.00
8w	New Hydrant Assembly **(6-7 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **12" Water Source**	EA	$ 7,000.00
8x	New Hydrant Assembly **(7-8 foot bury)** that requires insertion of a TEE or Tapping Sleeve & Valve on main water source, existing hydrant not isolated by valve from **12" Water Source**	EA	$ 7,000.00
8y	New Hydrant Assembly **(2-3 foot bury)** connecting at face of an existing 6" Valve Flange on a branch off the main water source	EA	$ 8,500.00
8z	New Hydrant Assembly **(3-4 foot bury)** connecting at face of an existing 6" Valve Flange on a branch off the main water source	EA	$ 9,500.00
8aa	New Hydrant Assembly **(4-5 foot bury)** connecting at face of an existing 6" Valve Flange on a branch off the main water source	EA	$ 9,500.00
8bb	New Hydrant Assembly **(5-6 foot bury)** connecting at face of an existing 6" Valve Flange on a branch off the main water source	EA	$ 9,500.00
8cc	New Hydrant Assembly **(6-7 foot bury)** connecting at face of an existing 6" Valve Flange on a branch off the main water source	EA	$ 9,000.00
8dd	New Hydrant Assembly **(7-8 foot bury)** connecting at face of an existing 6" Valve Flange on a branch off the main water source	EA	$ 9,000.00
8ee	New Hydrant Assembly **(2-3 foot bury)** connecting to existing flange of branch pipe	EA	$ 7,000.00
8ff	New Hydrant Assembly **(3-4 foot bury)** connecting to existing flange of branch pipe	EA	$ 7,000.00
8gg	New Hydrant Assembly **(4-5 foot bury)** connecting to existing flange of branch pipe	EA	$ 7,000.00
8hh	New Hydrant Assembly **(5-6 foot bury)** connecting to existing flange of branch pipe	EA	$ 7,000.00
8ii	New Hydrant Assembly **(6-7 foot bury)** connecting to existing flange of branch pipe	EA	$ 7,200.00
8jj	New Hydrant Assembly **(7-8 foot bury)** connecting to existing flange of branch pipe	EA	$ 7,300.00

BID TABULATION FIRE HYDRANT REPLACEMENT 2019 - RFP 19-27

RESICOM, INC

ITEM NO.	DESCRIPTION OF WORK	UNIT OF MEASURE	PRICE
(9) Placement ofAsphalt Paving (SECTION 02510 - Asphaltic Paving)			
9	Placement of Asphalt Paving (minimum of 2") (SECTION 02510 - Asphaltic Paving) Including Base Course (minimum 8" over a compacted subgrade)	SY	$ 75.00
(10) Placement of Reinforced Concrete Paving (SECTION 02521 - Concrete Paving)			
10a	Concrete Curb & Gutter Including Reinforcement & Subgrade	LF	$ 30.00
10b	Concrete Pavement (6" Thick) Including Reinforcement & Subgrade	SY	$ 108.00
10c	Concrete Pavement (7" Thick) Including Reinforcement & Subgrade	SY	$ 108.00
10d	Concrete Pavement (8" Thick) Including Reinforcement & Subgrade	SY	$ 110.00
10e	Concrete Pavement (9" Thick) Including Reinforcement & Subgrade	SY	$ 110.00
10f	Concrete Pavement (10" Thick) Including Reinforcement & Subgrade	SY	$ 113.00
10g	Concrete Pavement (11" Thick) Including Reinforcement & Subgrade	SY	$ 114.00
10h	Concrete Pavement (12" Thick) Including Reinforcement & Subgrade	SY	$ 115.00
(11) Placement of Sidewalks (SECTION 02530 - Concrete Sidewalks			
11	Placement of Sidewalks (SECTION 02530 - Concrete Sidewalks) 5' Wide, Including Reinforcement, Joints & Sand Bed	SF	$ 9.00
(12) Placement of Driveways (SECTION 02531 - Concrete Driveways			
12	Placement of Driveways (SECTION 02531 - Concrete Driveways) Including Reinforcement, Joints & Sand Bed	SY	$ 9.00
(13) Removal & Replacement of Brick Paved Streets (SECTION 02983 - Removal & Restoration of Brick Paved Streets)			
13	Removal & Replacement of Brick Paved Streets (SECTION 02983 - Removal & Restoration of Brick Paved Streets)	SY	$ 250.00
(14) Hydromulch Seeding (SECTION 02932 - Hydromulch Seeding)			
14	Hydromulch Seeding of Disturbed Land (SECTION 02932 - Hydromulch Seeding)	SY	$ 0.75
(15) Sodding (SECTION 02935 - Sodding)			
15	Sodding of Disturbed Land (SECTION 02935 - Sodding)	SY	$ 6.00

T CONSTRUCTION, LLC

ITEM NO.	DESCRIPTION OF WORK	UNIT OF MEASURE	PRICE
(9) Placement ofAsphalt Paving (SECTION 02510 - Asphaltic Paving)			
9	Placement of Asphalt Paving (minimum of 2") (SECTION 02510 - Asphaltic Paving) Including Base Course (minimum 8" over a compacted subgrade)	SY	$ 125.00
(10) Placement of Reinforced Concrete Paving (SECTION 02521 - Concrete Paving)			
10a	Concrete Curb & Gutter Including Reinforcement & Subgrade	LF	$ 60.00
10b	Concrete Pavement (6" Thick) Including Reinforcement & Subgrade	SY	$ 75.00
10c	Concrete Pavement (7" Thick) Including Reinforcement & Subgrade	SY	$ 78.00
10d	Concrete Pavement (8" Thick) Including Reinforcement & Subgrade	SY	$ 85.00
10e	Concrete Pavement (9" Thick) Including Reinforcement & Subgrade	SY	$ 95.00
10f	Concrete Pavement (10" Thick) Including Reinforcement & Subgrade	SY	$ 138.00
10g	Concrete Pavement (11" Thick) Including Reinforcement & Subgrade	SY	$ 140.00
10h	Concrete Pavement (12" Thick) Including Reinforcement & Subgrade	SY	$ 145.00
(11) Placement of Sidewalks (SECTION 02530 - Concrete Sidewalks			
11	Placement of Sidewalks (SECTION 02530 - Concrete Sidewalks) 5' Wide, Including Reinforcement, Joints & Sand Bed	SF	$ 35.00
(12) Placement of Driveways (SECTION 02531 - Concrete Driveways			
12	Placement of Driveways (SECTION 02531 - Concrete Driveways) Including Reinforcement, Joints & Sand Bed	SY	$ 95.00
(13) Removal & Replacement of Brick Paved Streets (SECTION 02983 - Removal & Restoration of Brick Paved Streets)			
13	Removal & Replacement of Brick Paved Streets (SECTION 02983 - Removal & Restoration of Brick Paved Streets)	SY	$ 75.00
(14) Hydromulch Seeding (SECTION 02932 - Hydromulch Seeding)			
14	Hydromulch Seeding of Disturbed Land (SECTION 02932 - Hydromulch Seeding)	SY	$ 10.00
(15) Sodding (SECTION 02935 - Sodding)			
15	Sodding of Disturbed Land (SECTION 02935 - Sodding)	SY	$ 20.00

BRH GARVER

ITEM NO.	DESCRIPTION OF WORK	UNIT OF MEASURE	PRICE
(9) Placement ofAsphalt Paving (SECTION 02510 - Asphaltic Paving)			
9	Placement of Asphalt Paving (minimum of 2") (SECTION 02510 - Asphaltic Paving) Including Base Course (minimum 8" over a compacted subgrade)	SY	$ 135.00
(10) Placement of Reinforced Concrete Paving (SECTION 02521 - Concrete Paving)			
10a	Concrete Curb & Gutter Including Reinforcement & Subgrade	LF	$ 34.00
10b	Concrete Pavement (6" Thick) Including Reinforcement & Subgrade	SY	$ 169.00
10c	Concrete Pavement (7" Thick) Including Reinforcement & Subgrade	SY	$ 182.00
10d	Concrete Pavement (8" Thick) Including Reinforcement & Subgrade	SY	$ 196.00
10e	Concrete Pavement (9" Thick) Including Reinforcement & Subgrade	SY	$ 209.00
10f	Concrete Pavement (10" Thick) Including Reinforcement & Subgrade	SY	$ 223.00
10g	Concrete Pavement (11" Thick) Including Reinforcement & Subgrade	SY	$ 236.00
10h	Concrete Pavement (12" Thick) Including Reinforcement & Subgrade	SY	$ 250.00
(11) Placement of Sidewalks (SECTION 02530 - Concrete Sidewalks			
11	Placement of Sidewalks (SECTION 02530 - Concrete Sidewalks) 5' Wide, Including Reinforcement, Joints & Sand Bed	SF	$ 19.00
(12) Placement of Driveways (SECTION 02531 - Concrete Driveways			
12	Placement of Driveways (SECTION 02531 - Concrete Driveways) Including Reinforcement, Joints & Sand Bed	SY	$ 182.00
(13) Removal & Replacement of Brick Paved Streets (SECTION 02983 - Removal & Restoration of Brick Paved Streets)			
13	Removal & Replacement of Brick Paved Streets (SECTION 02983 - Removal & Restoration of Brick Paved Streets)	SY	$ 203.00
(14) Hydromulch Seeding (SECTION 02932 - Hydromulch Seeding)			
14	Hydromulch Seeding of Disturbed Land (SECTION 02932 - Hydromulch Seeding)	SY	$ 7.00
(15) Sodding (SECTION 02935 - Sodding)			
15	Sodding of Disturbed Land (SECTION 02935 - Sodding)	SY	$ 16.00

TEXAS PRIDE UTILITIES, LLC

ITEM NO.	DESCRIPTION OF WORK	UNIT OF MEASURE	PRICE
(9) Placement ofAsphalt Paving (SECTION 02510 - Asphaltic Paving)			
9	Placement of Asphalt Paving (minimum of 2") (SECTION 02510 - Asphaltic Paving) Including Base Course (minimum 8" over a compacted subgrade)	SY	$ 130.00
(10) Placement of Reinforced Concrete Paving (SECTION 02521 - Concrete Paving)			
10a	Concrete Curb & Gutter Including Reinforcement & Subgrade	LF	$ 45.00
10b	Concrete Pavement (6" Thick) Including Reinforcement & Subgrade	SY	$ 80.00
10c	Concrete Pavement (7" Thick) Including Reinforcement & Subgrade	SY	$ 80.00
10d	Concrete Pavement (8" Thick) Including Reinforcement & Subgrade	SY	$ 100.00
10e	Concrete Pavement (9" Thick) Including Reinforcement & Subgrade	SY	$ 100.00
10f	Concrete Pavement (10" Thick) Including Reinforcement & Subgrade	SY	$ 120.00
10g	Concrete Pavement (11" Thick) Including Reinforcement & Subgrade	SY	$ 120.00
10h	Concrete Pavement (12" Thick) Including Reinforcement & Subgrade	SY	$ 120.00
(11) Placement of Sidewalks (SECTION 02530 - Concrete Sidewalks			
11	Placement of Sidewalks (SECTION 02530 - Concrete Sidewalks) 5' Wide, Including Reinforcement, Joints & Sand Bed	SF	$ 100.00
(12) Placement of Driveways (SECTION 02531 - Concrete Driveways			
12	Placement of Driveways (SECTION 02531 - Concrete Driveways) Including Reinforcement, Joints & Sand Bed	SY	$ 80.00
(13) Removal & Replacement of Brick Paved Streets (SECTION 02983 - Removal & Restoration of Brick Paved Streets)			
13	Removal & Replacement of Brick Paved Streets (SECTION 02983 - Removal & Restoration of Brick Paved Streets)	SY	$ 70.00
(14) Hydromulch Seeding (SECTION 02932 - Hydromulch Seeding)			
14	Hydromulch Seeding of Disturbed Land (SECTION 02932 - Hydromulch Seeding)	SY	$ 1.00
(15) Sodding (SECTION 02935 - Sodding)			
15	Sodding of Disturbed Land (SECTION 02935 - Sodding)	SY	$ 25.00

City of Galveston

DEPARTMENT OF PUBLIC WORKS

publicworks@galvestontx.gov | Office Number: (409) 797-3630 | www.galvestontx.gov

October 3, 2019

To: Brian Maxwell, City Manager
Honorable Mayor and City Council Members

From: Cynthia DeWitt, Director of Sanitation

Re: Consider for approval the use of the cooperative purchasing contract through the HGAC Contract from Toter Incorporated for the purchase of EVR 1 Series 96 Gallon Automated Rollout Garbage Carts and repair parts. Authorizing City Manager to execute all necessary documents upon final approval by the City Attorney.

I. **Background:**

A. The Sanitation Division operates under a partially implemented automated trash pick up system.

B. Toter Inc. has been the City's provider of carts for many years.

II. **Current Situation:**

A. HGAC is a co-operative purchasing organization that the City is a member of that performs bidding packages for local governments. Toter currently has an HGAC contract (#RC01-18) through December 31, 2020.

B. Additional carts are needed throughout the year for projected demands and replacements.

C. Additional inventory repair parts are needed for projected demands. By utilizing one vendor staff is not required to maintain several different inventories of parts and carts.

D. In an effort to minimize lag time between obtaining approval and purchase orders of carts and cart parts, staff is requesting that City Council authorize purchases from Toter for fiscal year 2019-2020.

III. **Issues:**

A. Cost Not to Exceed: $160,000.00

B. Timing: Council approval is required before the order may be placed.

C. Impact or ramifications: Failure to authorize purchase will result in residential properties without garbage containers.

IV. **Recommendation:**

Approve the purchase of garbage carts and parts in an amount not to exceed $160,000.00

V. **Fiscal Impact Report:**

Requested by:	Cynthia DeWitt, Director of Sanitation
Funding Source:	Sanitation Other Contracts
Estimated annual M&O cost:	$160,000.00

Respectfully submitted,

Cynthia DeWitt
Director of Sanitation

A CONTRACT BETWEEN
HOUSTON-GALVESTON AREA COUNCIL
Houston, Texas
AND
TOTER, LLC
Statesville, North Carolina

This Contract is made and entered into by the **Houston-Galveston Area Council of Governments,** hereinafter referred to as **H-GAC,** having its principal place of business at 3555 Timmons Lane, Suite 120, Houston, Texas 77027, AND, **Toter, LLC,** hereinafter referred to as the **CONTRACTOR,** having its principal place of business at 841 Meacham Road, Statesville, North Carolina 28677.

ARTICLE 1: SCOPE OF SERVICES

The parties have entered into a **Refuse and Recycling Containers & Lifters** Contract to become effective as of January 1, 2018, and to continue through December 31, 2020 (the "**Contract**"), subject to extension upon mutual agreement of the **CONTRACTOR** and **H-GAC. H-GAC** enters into the Contract as Agent for participating governmental agencies, each hereinafter referred to as **END USER,** for the purchase of **Refuse and Recycling Containers & Lifters** offered by the **CONTRACTOR.** The **CONTRACTOR** agrees to sell **Refuse and Recycling Containers & Lifters** through the **H-GAC** Contract to **END USERS.**

ARTICLE 2: THE COMPLETE AGREEMENT

The Contract shall consist of the documents identified below in order of precedence:

1. The text of this Contract form, including but not limited to, Attachment A
2. General Terms and Conditions
3. Bid Specifications No:**RC01-18,** including any relevant suffixes
4. **CONTRACTOR's** Response to Bid No:**RC01-18,** including but not limited to, prices and options offered

All of which are either attached hereto or incorporated by reference and hereby made a part of this Contract, and shall constitute the complete agreement between the parties hereto. This Contract supersedes any and all oral or written agreements between the parties relating to matters herein. Except as otherwise provided herein, this Contract cannot be modified without the written consent of both parties.

ARTICLE 3: LEGAL AUTHORITY

CONTRACTOR and **H-GAC** warrant and represent to each other that they have adequate legal counsel and authority to enter into this Contract. The governing bodies, where applicable, have authorized the signatory officials to enter into this Contract and bind the parties to the terms of this Contract and any subsequent amendments thereto.

ARTICLE 4: APPLICABLE LAWS

The parties agree to conduct all activities under this Contract in accordance with all applicable rules, regulations, directives, issuances, ordinances, and laws in effect or promulgated during the term of this Contract.

ARTICLE 5: INDEPENDENT CONTRACTOR

The execution of this Contract and the rendering of services prescribed by this Contract do not change the independent status of **H-GAC** or **CONTRACTOR.** No provision of this Contract or act of **H-GAC** in performance of this Contract shall be construed as making **CONTRACTOR** the agent, servant or employee of **H-GAC,** the State of Texas or the United States Government. Employees of **CONTRACTOR** are subject to the exclusive control and supervision of **CONTRACTOR. CONTRACTOR** is solely responsible for employee payrolls and claims arising therefrom.

ARTICLE 6: END USER AGREEMENTS

H-GAC acknowledges that the **END USER** may choose to enter into an End User Agreement with the **CONTRACTOR** through this Contract **and** that the term of said Agreement may exceed the term of the **H-GAC** Contract. However, this acknowledgement is not to be construed as **H-GAC's** endorsement or approval of the End User Agreement terms and conditions. **CONTRACTOR** agrees not to offer, agree to or accept from **END USER** any terms or conditions that conflict with or contravene those in **CONTRACTOR's H-GAC** contract. Further, termination of this Contract for any reason shall not result in the termination of the underlying End User Agreements entered into between **CONTRACTOR** and any **END USER** which shall, in each instance, continue pursuant to their stated terms and duration. The only effect of termination of this Contract is that **CONTRACTOR** will no longer be able to enter into any new End User Agreements with **END**

USERS pursuant to this Contract. Applicable H-GAC order processing charges will be due and payable to H-GAC on any End User Agreements surviving termination of this Contract between H-GAC and CONTRACTOR.

ARTICLE 7: SUBCONTRACTS & ASSIGNMENTS

CONTRACTOR agrees not to subcontract, assign, transfer, convey, sublet or otherwise dispose of this Contract or any right, title, obligation or interest it may have therein to any third party without prior written notice to H-GAC. H-GAC reserves the right to accept or reject any such change. CONTRACTOR shall continue to remain responsible for all performance under this Contract regardless of any subcontract or assignment. H-GAC shall be liable solely to CONTRACTOR and not to any of its Subcontractors or Assignees.

ARTICLE 8: EXAMINATION AND RETENTION OF CONTRACTOR'S RECORDS

CONTRACTOR shall maintain during the course of its work, complete and accurate records of items that are chargeable to END USER under this Contract. H-GAC, through its staff or its designated public accounting firm, the State of Texas, or the United States Government shall have the right at any reasonable time to inspect copy and audit those records on or off the premises of CONTRACTOR. Failure to provide access to records may be cause for termination of this Contract. CONTRACTOR shall maintain all records pertinent to this Contract for a period of not less than five (5) calendar years from the date of acceptance of the final contract closeout and until any outstanding litigation, audit or claim has been resolved. The right of access to records is not limited to the required retention period, but shall last as long as the records are retained. CONTRACTOR further agrees to include in all subcontracts under this Contract, a provision to the effect that the subcontractor agrees that H-GAC'S duly authorized representatives, shall, until the expiration of five (5) calendar years after final payment under the subcontract or until all audit findings have been resolved, have access to, and the right to examine and copy any directly pertinent books, documents, papers, invoices and records of such subcontractor involving any transaction relating to the subcontract.

ARTICLE 9: REPORTING REQUIREMENTS

CONTRACTOR agrees to submit reports or other documentation in accordance with the General Terms and Conditions of the Bid Specifications. If CONTRACTOR fails to submit to H-GAC in a timely and satisfactory manner any such report or documentation, or otherwise fails to satisfactorily render performance hereunder, such failure may be considered cause for termination of this Contract.

ARTICLE 10: MOST FAVORED CUSTOMER CLAUSE

If CONTRACTOR, at any time during this Contract, routinely enters into agreements with other governmental customers within the State of Texas, and offers the same or substantially the same products/services offered to H-GAC on a basis that provides prices, warranties, benefits, and or terms more favorable than those provided to H-GAC, CONTRACTOR shall notify H-GAC within ten (10) business days thereafter of that offering and this Contract shall be deemed to be automatically amended effective retroactively to the effective date of the most favorable contract, wherein CONTRACTOR shall provide the same prices, warranties, benefits, or terms to H-GAC and its END USER. H-GAC shall have the right and option at any time to decline to accept any such change, in which case the amendment shall be deemed null and void. If CONTRACTOR is of the opinion that any apparently more favorable price, warranty, benefit, or term charged and/or offered a customer during the term of this Contract is not in fact most favored treatment, CONTRACTOR shall within ten (10) business days notify H-GAC in writing, setting forth the detailed reasons CONTRACTOR believes aforesaid offer which has been deemed to be a most favored treatment, is not in fact most favored treatment. H-GAC, after due consideration of such written explanation, may decline to accept such explanation and thereupon this Contract between H-GAC and CONTRACTOR shall be automatically amended, effective retroactively, to the effective date of the most favored agreement, to provide the same prices, warranties, benefits, or terms to H-GAC.

The Parties accept the following definition of routine: A prescribed, detailed course of action to be followed regularly; a standard procedure.
EXCEPTION: This clause shall not be applicable to prices and price adjustments offered by a bidder, proposer or contractor, which are not within bidder's/ proposer's control [example; a manufacturer's bid concession], or to any prices offered to the Federal Government and its agencies.

ARTICLE 11: SEVERABILITY

All parties agree that should any provision of this Contract be determined to be invalid or unenforceable, such determination shall not affect any other term of this Contract, which shall continue in full force and effect.

ARTICLE 12: DISPUTES

Any and all disputes concerning questions of fact or of law arising under this Contract, which are not disposed of by agreement, shall be decided by the Executive Director of H-GAC or his designee, who shall reduce his decision to writing and provide notice thereof to CONTRACTOR. The decision of the Executive Director or his designee shall be final and conclusive unless, within thirty (30) days from the date of receipt of such notice, CONTRACTOR requests a rehearing from the Executive Director of H-GAC. In connection with any rehearing under this Article, CONTRACTOR shall be afforded an opportunity to be heard and offer evidence in support of its position. The decision of the

Executive Director after any such rehearing shall be final and conclusive. **CONTRACTOR** may, if it elects to do so, appeal the final and conclusive decision of the Executive Director to a court of competent jurisdiction. Pending final decision of a dispute hereunder, **CONTRACTOR** shall proceed diligently with the performance of this Contract and in accordance with **H-GAC'S** final decision.

ARTICLE 13: LIMITATION OF CONTRACTOR'S LIABILITY

Except as specified in any separate writing between the **CONTRACTOR** and an **END USER, CONTRACTOR's** total liability under this Contract, whether for breach of contract, warranty, negligence, strict liability, in tort or otherwise, but excluding its obligation to indemnify **H-GAC** described in Article 14, is limited to the price of the particular products/services sold hereunder, and **CONTRACTOR** agrees either to refund the purchase price or to repair or replace product(s) that are not as warranted. In no event will **CONTRACTOR** be liable for any loss of use, loss of time, inconvenience, commercial loss, lost profits or savings or other incidental, special or consequential damages to the full extent such use may be disclaimed by law. **CONTRACTOR** understands and agrees that it shall be liable to repay and shall repay upon demand to **END USER** any amounts determined by **H-GAC**, its independent auditors, or any agency of State or Federal government to have been paid in violation of the terms of this Contract.

ARTICLE 14: LIMIT OF H-GAC'S LIABILITY AND INDEMNIFICATION OF H-GAC

H-GAC's liability under this Contract, whether for breach of contract, warranty, negligence, strict liability, in tort or otherwise, is limited to its order processing charge. In no event will **H-GAC** be liable for any loss of use, loss of time, inconvenience, commercial loss, lost profits or savings or other incidental, special or consequential damages to the full extent such use may be disclaimed by law. Contractor agrees, to the extent permitted by law, to defend and hold harmless **H-GAC**, its board members, officers, agents, officials, employees, and indemnities from any and all claims, costs, expenses (including reasonable attorney fees), actions, causes of action, judgments, and liens arising as a result of CONTRACTOR's negligent act or omission under this Contract. **CONTRACTOR** shall notify **H-GAC** of the threat of lawsuit or of any actual suit filed against **CONTRACTOR** relating to this Contract.

ARTICLE 15: TERMINATION FOR CAUSE

H-GAC may terminate this Contract for cause based upon the failure of **CONTRACTOR** to comply with the terms and/or conditions of the Contract; provided that **H-GAC** shall give **CONTRACTOR** written notice specifying **CONTRACTOR'S** failure. If within thirty (30) days after receipt of such notice, **CONTRACTOR** shall not have either corrected such failure, or thereafter proceeded diligently to complete such correction, then **H-GAC** may, at its option, place **CONTRACTOR** in default and the Contract shall terminate on the date specified in such notice. **CONTRACTOR** shall pay to **H-GAC** any order processing charges due from **CONTRACTOR** on that portion of the Contract actually performed by **CONTRACTOR** and for which compensation was received by **CONTRACTOR.**

ARTICLE 16: TERMINATION FOR CONVENIENCE

Either **H-GAC** or **CONTRACTOR** may cancel or terminate this Contract at any time by giving thirty (30) days written notice to the other. **CONTRACTOR** may be entitled to payment from **END USER** for services actually performed; to the extent said services are satisfactory to **END USER. CONTRACTOR** shall pay to **H-GAC** any order processing charges due from **CONTRACTOR** on that portion of the Contract actually performed by **CONTRACTOR** and for which compensation is received by **CONTRACTOR.**

ARTICLE 17: CIVIL AND CRIMINAL PROVISIONS AND SANCTIONS

CONTRACTOR agrees that it will perform under this Contract in conformance with safeguards against fraud and abuse as set forth by **H-GAC**, the State of Texas and the acts and regulations of any funding entity. **CONTRACTOR** agrees to notify **H-GAC** of any suspected fraud, abuse or other criminal activity related to this Contract through filing of a written report promptly after it becomes aware of such activity.

ARTICLE 18: GOVERNING LAW & VENUE

This Contract shall be governed by the laws of the State of Texas. Venue and jurisdiction of any suit or cause of action arising under or in connection with this Contract shall lie exclusively in Harris County, Texas. Disputes between **END USER** and **CONTRACTOR** are to be resolved in accord with the law and venue rules of the state of purchase. **CONTRACTOR** shall immediately notify **H-GAC** of such disputes.

ARTICLE 19: PAYMENT OF H-GAC ORDER PROCESSING CHARGE

CONTRACTOR agrees to sell its products to **END USERS** based on the pricing and other terms of this Contract, including, but not limited to, the payment of the applicable **H-GAC** order processing charge. On notification from an **END USER** that an order has been placed with **CONTRACTOR, H-GAC** will invoice **CONTRACTOR** for the applicable order processing charge. Upon delivery of any product/service by **CONTRACTOR** and acceptance by **END USER, CONTRACTOR** shall, within thirty (30) calendar days or ten (10) business days after receipt of payment, whichever is less, pay **H-GAC** the full amount of the applicable order processing charge, whether or not **CONTRACTOR** has received an invoice from **H-GAC**. For sales made by **CONTRACTOR** based on this contract, including sales to entities without Interlocal Contracts, **CONTRACTOR** shall pay the applicable order processing charges to **H-GAC.** Further, **CONTRACTOR** agrees to encourage entities who are not members of **H-GAC's** Cooperative Purchasing Program to execute an **H-GAC**

Interlocal Contract. **H-GAC** reserves the right to take appropriate actions including, but not limited to, contract termination if **CONTRACTOR** fails to promptly remit **H-GAC's** order processing charge. In no event shall **H-GAC** have any liability to **CONTRACTOR** for any goods or services an **END USER** procures from **CONTRACTOR**.

ARTICLE 20: LIQUIDATED DAMAGES

Any liquidated damages terms will be determined between **CONTRACTOR** and **END USER** at the time **END USER's** purchase order is placed.

ARTICLE 21: PERFORMANCE AND PAYMENT BOND FOR INDIVIDUAL ORDERS

H-GAC's contractual requirements DO NOT include a Performance & Payment Bond (PPB), and offered pricing should reflect this cost saving. However, **CONTRACTOR** must be prepared to offer a PPB to cover any specific order if so requested by **END USER**. **CONTRACTOR** shall quote a price to **END USER** for provision of any requested PPB, and agrees to furnish the PPB within ten business (10) days of receipt of **END USER's** purchase order.

ARTICLE 22: CHANGE OF CONTRACTOR STATUS

CONTRACTOR shall immediately notify **H-GAC**, in writing, of **ANY** change in ownership, control, dealership/franchisee status, Motor Vehicle license status, or name, and shall also advise whether or not this Contract shall be affected in any way by such change. **H-GAC** shall have the right to determine whether or not such change is acceptable, and to determine what action shall be warranted, up to and including cancellation of Contract.

ARTICLE 23: LICENSING REQUIRED BY TEXAS MOTOR VEHICLE BOARD *[IF APPLICABLE]*

CONTRACTOR will, for the duration of this Contract, maintain current licenses that are required by the Texas Motor Vehicle Commission Code. If at any time during this Contract period, any **CONTRACTOR'S** license is not renewed, or is denied or revoked, **CONTRACTOR shall** be deemed to be in default of this Contract unless the Motor Vehicle Board issues a stay or waiver. Contractor shall promptly provide copies of all current applicable Texas Motor Vehicle Board documentation to **H-GAC** upon request.

IN WITNESS WHEREOF, the parties have caused this Contract to be executed by their duly authorized representatives.

Signed for **Houston-Galveston Area Council**, Houston, Texas: _____
Jack Steele, Executive Director

Attest for **Houston-Galveston Area Council**, Houston, Texas: _____
Chuck Wemple, Chief Operations Officer

Date: 12-6 20 17

Signed for **Toter, LLC** _____
Statesville, North Carolina:

Printed Name & Title: James W. Pickett - Vice President, Sales

Date: October 19, 2017

Attest for **Toter, LLC** _____
Statesville, North Carolina: Kellie K Clark

Printed Name & Title: Kellie K. Clark - Sr. Manager, Bids/Contracts

Date: October 19, 2017

Attachment A
Toter, LLC
Refuse and Recycling Containers & Lifters
Contract No. RC01-18

H-GAC Product Code	Item Description	Offered Price	Minimum Quantity
HB001	**Toter** Organics Nova Bin 2 Gallon: 2 gallon capacity residential organics kitchen collector, top and bottom hand grips, snap tight lid.	$3.00	396-999
HB002	**Toter** Organics Nova Bin 13 Gallon: 13 gallon capacity residential organics roll cart, latch/animal lock, 2-wheels.	$17.50	78-999
GA048	**Toter** EVR II 79232: 32 gallon capacity residential roll-out cart: universal dumping design, rotational molded, rotating steel stop bar, 8" wheels	$39.52	TL of 945
GA049	**Toter** EVR II 79235: 35 gallon capacity residential roll-out cart: universal dumping design, rotational molded, rotating steel stop bar, 10" wheels	$43.37	TL of 945
GA044	**Toter** EVR II 79321: 21 gallon capacity residential organics roll-out cart: universal dumping design, rotational molded, rotating steel stop bar, 10" wheels	$39.02	TL of 950
GA045	**Toter** EVR II 79324: 24 gallon capacity residential organics roll-out cart: universal dumping design, rotational molded, rotating steel stop bar, 10" wheels	$39.02	TL of 950
GA046	**Toter** EVR II 79332: 32 gallon capacity residential organics roll-out cart: universal dumping design, rotational molded, rotating steel stop bar, 8" wheels	$42.52	TL of 945
GA047	**Toter** EVR II 79348: 48 gallon capacity residential organics roll-out cart: universal dumping design, rotational molded, rotating steel stop bar, 10" wheels	$46.18	TL of 912
DJ381	**Toter** Organics FL53A: 3 cubic yard capacity front end load plastic container: rotational molded, 6" x 2" casters, special body reinforcements included for handling organics materials	$1,015.00	TL of 39
HB000	**Toter** Organics FL52A: 2 cubic yard capacity front end load plastic container: rotational molded, 6" x 2" casters, special body reinforcements included for handling organics materials	$881.00	TL of 64
HB003	**Toter** 3063-TL-4H14: Trimlift residential rear or side lift applications lifter; slim profile, hydraulic rotary actuator lifter, 21" x 10" x 18"	$2,823.80	Min 1
HB004	**Toter** 3063-TL-4H16: Trimlift residential rear or side lift applications lifter; slim profile, hydraulic rotary actuator lifter, 21" x 10" x 20"	$2,823.80	Min 1
AJ359	**Toter** EVR 52532: 32 gallon residential rollout cart: automated dumping design, rotational molded, 10" wheels	$37.99	TL of 1404

AJ360	**Toter** EVR 52535: 35 gallon residential rollout cart: automated dumping design, rotational molded, 10" wheels	$37.99	TL of 1404
AJ361	**Toter** EVR57564: 64 gallon residential rollout cart: automated dumping design, rotational molded, 10" wheels	$45.74	TL of 648
AJ362	**Toter** EVR57596: 96 gallon residential rollout cart: automated dumping design, rotational molded, 10" wheels	$53.31	TL of 636
AJ363	**Toter** EVR 76532: 32 gallon capacity residential rollout cart: universal dumping design, rotational molded, rotating steel stop bar, 10" wheels	$38.53	TL of 1404
AJ364	**Toter** EVR 76535: 35 gallon capacity residential rollout cart: universal dumping design, rotational molded, rotating steel stop bar, 10" wheels	$38.53	TL of 1404
AJ365	**Toter** EVR 76564: 64 gallon capacity residential rollout cart: universal dumping design, rotational molded, rotating steel stop bar, 10" wheels	$46.28	TL of 648
AJ366	**Toter** EVR 76596: 96 gallon capacity residential rollout cart: universal dumping design, rotational molded, rotating steel stop bar, 10" wheels	$53.84	TL of 636
HB005	**Toter** EVR II 79221: 21 gallon capacity residential roll-out cart: universal dumping design, rotational molded, rotating steel stop bar, 10" wheels	$36.02	TL of 950
AJ367	**Toter** EVR II 79224: 24 gallon capacity residential roll-out cart: universal dumping design, rotational molded, rotating steel stop bar, 10" wheels	$36.02	TL of 950
AJ368	**Toter** EVR II 79248: 48 gallon capacity residential rollout cart: universal dumping design, rotational molded, rotating steel stop bar, 10" wheels	$43.18	TL of 912
AJ369	**Toter** EVR II 79264: 64 gallon capacity residential rollout cart: universal dumping design, rotational molded, rotating steel stop bar, 10" wheels	$45.37	TL of 864
AJ370	**Toter** EVR II 79296: 96 gallon capacity residential rollout cart: universal dumping design, rotational molded, rotating steel stop bar, 10" wheels	$52.81	TL of 624
AJ371	**Toter** Insert VRI10: When installed into a 24 gallon cart (EVR 79224, 79321 and 79324) this 10 gallon insert changes capacity of the 24 gallon cart to a 10 gallon cart	$18.25	TL of 3120
AJ372	**Toter** Insert VRI20: When installed into a 32 gallon cart (Models EVR 76532 and 52532), this 20 gallon insert changes capacity of the 32 gallon cart to a 20 gallon cart	$20.22	TL of 1333
AJ373	**Toter** EVR II 79B64: 64 gallon capacity residential "Bear Tight" cart: universal dumping design, rotating steel stop bar, 10" wheels	$160.36	TL of 188
AJ374	**Toter** EVR II 79B96: 96 gallon capacity residential "Bear Tight" cart: universal dumping design, rotating steel stop bar, 10" wheels	$179.68	TL of 180
BJ375	**Toter** EVR Vented Yard Waste Cart 76864: 64 gallon capacity residential rollout cart for plant waste: universal dumping design, rotational molded, rotating steel stop bar, 10" wheels, vents only (vents and grids offered on Form E)	$47.68	TL of 648

BJ376	**Toter** EVR Vented Yard Waste Cart 76896: 96 gallon capacity residential rollout cart for plant waste: universal dumping design, rotational molded, rotating steel stop bar, 10" wheels, vents only (vents and grids offered on Form E)	$55.29	TL of 636
BJ377	**Toter** EVR Co-Collection Cart 77564: 64 gallon capacity residential rollout cart: dual compartmentalized, universal dumping design, rotating steel stop bar, 10" wheels	$81.76	TL of 360
BJ378	**Toter** EVR Co-Collection Cart 77596: 96 gallon capacity residential rollout cart: dual compartmentalized, universal dumping design, rotating steel stop bar, 10" wheels	$94.53	TL of 336
DJ379	**Toter** FL020: 2 cubic yard capacity front end load plastic container: rotational molded, 6" x 2" casters	$476.86	TL of 80
DJ380	**Toter** FL030: 3 cubic yard capacity front end load plastic container: rotational molded, 6" x 2" casters	$589.75	TL of 64
DJ381	**Toter** Organics FL53A: 3 cubic yard capacity front end load plastic container: rotational molded, 6" x 2" casters, special body reinforcements included for handling organics materials	$1,015.00	TL of 39
HB008	**Toter** Organics FL52A: 2 cubic yard capacity front end load plastic container: rotational molded, 6" x 2" casters, special body reinforcements included for handling organics materials	$881.00	TL of 64
DJ382	**Toter** FL040: 4 cubic yard capacity front end load plastic container: rotational molded	$640.39	TL of 30
DJ383	**Toter** 840: Industrial public litter container: 45 gallon capacity, rotational molded, dome top, weighted base capability	$227.50	Min 25
DJ384	**Toter** 860: Automated public litter container: 60 gallon capacity, rotational molded, dome top, weighted base capability, automated dumping design	$308.00	Min 25
EJ385	**Toter** 3065-HL-9H24: HighLift residential rear or side lift applications lifter: hydraulic rotary actuator lifter, 350 pound rating, 21" x 15" x 32"	$2,901.25	Min 1
EJ386	**Toter** 3065-HL-9H20: HighLift residential rear or side lift applications lifter: hydraulic rotary actuator lifter, 21" x 15" x 28"	$2,901.25	Min 1
EJ392	**Toter** 3069-00-2000: EconoLift residential rear lift applications lifter: hydraulic rotary actuator lifter, 350 pound rating, 15" x 13" x 23".	$2,007.73	Min 1
HB009	**Toter** 25B64: 64 Gallon Bear Tight Cart (Color: Blackstone only)	$160.36	Min 10
HB010	**Toter** 25B96: 96 Gallon Bear Tight Cart (Color: Blackstone only)	$179.68	Min 10
HB011	**Toter** CDA64: Secure Document Two-Wheel Carts - 64 gallon / Non Locking Lid	$130.98	Min 10
HB012	**Toter** CDA64: Secure Document Two-Wheel Carts - 64 gallon / Pad Lock Hasp	$130.98	Min 10
HB013	**Toter** CDA64: Secure Document Two-Wheel Carts - 64 gallon / Barrel Lock	$130.98	Min 10
HB014	**Toter** CDA96: Secure Document Two-Wheel Carts - 96 gallon / Non Locking Lid	$154.79	Min 10

HB015	**Toter** CDA96: Secure Document Two-Wheel Carts - 96 gallon / Pad Lock Hasp	$154.79	Min 10
HB016	**Toter** CDA96: Secure Document Two-Wheel Carts - 96 gallon / Barrel Lock	$154.79	Min 10
HB017	**Toter** RMN64: Regulated Medical Waste Two-Wheel Carts - 64 gallon	$145.53	Min 10
HB018	**Toter** RMN96: Regulated Medical Waste Two-Wheel Carts - 96 gallon	$171.99	Min 10
HB019	**Toter** ANA32: Two-Wheel Cart - 32 gallons	$54.96	Min 10
HB020	**Toter** ANA48: Two-Wheel Cart - 48 gallon	$60.16	Min 10
HB021	**Toter** ANA64: Two-Wheel Cart - 64 gallon	$70.40	Min 10
HB022	**Toter** ANA96: Two-Wheel Cart - 96 gallon	$91.97	Min 10
HB023	**Toter** ONA24: Two-Wheel Cart - 24 gallon, Standard Lid	$57.32	Min 10
HB024	**Toter** ONA32: Two-Wheel Cart - 32 gallon, Standard Lid	$64.39	Min 10
HB025	**Toter** ONA48: Two-Wheel Cart - 48 gallon, Standard Lid	$72.13	Min 10
HB026	**Toter** ONA64: Two-Wheel Cart - 64 gallon, Standard Lid	$86.94	Min 10
HB027	**Toter** ACC32: Caster Cart - 32 gallon, Standard Lid	$104.30	Min 10
HB028	**Toter** ACC64: Caster Cart - 64 gallon, Standard Lid	$118.50	Min 10
HB029	**Toter** ACC96: Caster Cart - 96 gallon, Standard Lid	$124.94	Min 10
HB030	**Toter** ACG64: Caster Cart - 64 gallon, Heavy Duty Gasketed Locking Lid	$217.67	Min 10
HB031	**Toter** ACO64: Caster Cart - 64 gallon, Standard Lid	$184.18	Min 10
HB032	**Toter** CDC64: Secure Document Cart - 64 gallon / Non Locking Lid	$178.38	Min 10
HB033	**Toter** CDC64: Secure Document Cart - 64 gallon / Pad Lock Hasp	$178.38	Min 10
HB034	**Toter** CDC64: Secure Document Cart - 64 gallon / Barrel Lock	$178.38	Min 10
HB035	**Toter** CDC96: Secure Document Cart - 96 gallon / Non Locking Lid	$224.76	Min 10
HB036	**Toter** CDC96: Secure Document Cart - 96 gallon / Pad Lock Hasp	$224.76	Min 10
HB037	**Toter** CDC96: Secure Document Cart - 96 gallon / Barrel Lock	$224.76	Min 10
HB038	**Toter** RMC64: Regulated Medical Waste Carts - 64 gallon	$185.92	Min 10
HB039	**Toter** RMC96: Regulated Medical Waste Carts - 96 gallon	$229.36	Min 10
HB040	**Toter** UT005: Utility Duty Tilt Truck with Handle, 1/2 Cubic Yard	$449.19	Min 10
HB041	**Toter** UT105: Standard Duty Tilt Truck with Handle, 1/2 Cubic Yard	$604.07	Min 10
HB042	**Toter** UT205: Heavy Duty Tilt Truck with Handle, 1/2 Cubic Yard	$634.73	Min 10
HB043	**Toter** UTP05: Universal Tilt Truck with Handle (Pneumatic Tires and Casters) - 1/2 cubic yard	$636.27	Min 10

HB044	**Toter** UT175: Standard Duty Tilt Truck with Handle - 3/4 Cubic Yard	$630.34	Min 10
HB045	**Toter** UT010: Utility Duty Tilt Truck with Handle - 1 Cubic Yard	$643.47	Min 10
HB046	**Toter** UT110: Standard Duty Tilt Truck with Handle - 1 Cubic Yard	$776.02	Min 10
HB047	**Toter** UT210: Heavy Duty Tilt Truck with Handle - 1 Cubic Yard	$900.31	Min 10
HB048	**Toter** UT115: Standard Duty Tilt Truck with Handle - 1-1/2 Cubic Yard	$1,494.08	Min 10
HB049	**Toter** UT215: Heavy Duty Tilt Truck with Handle - 1-1/2 Cubic Yard	$1,658.30	Min 10
HB050	**Toter** UTT05: Towable Tilt Truck with Handle - 1/2 Cubic Yard	$721.28	Min 10
HB051	**Toter** UTT10: Towable Tilt Truck with Handle - 1 Cubic Yard	$882.28	Min 10
HB052	**Toter** UTT15: Towable Tilt Truck with Handle - 1-1/2 Cubic Yard	$1,593.90	Min 10
HB053	**Toter** MMC08: Manual Cube Truck - 8 cubic foot	$182.00	Min 10
HB054	**Toter** MMC12: Manual Cube Truck - 12 cubic foot	$254.69	Min 10
HB055	**Toter** MMC16: Manual Cube Truck - 16 cubic foot	$304.99	Min 10
HB056	**Toter** MMC20: Manual Cube Truck - 20 cubic foot	$366.03	Min 10
HB057	**Toter** AMC20: Automated Cube Truck - 20 cubic foot	$397.86	Min 10
HB058	**Toter** AM110: Universal Mobile Truck - 1 cubic yard	$897.75	Min 10
HB059	**Toter** AM120: Universal Mobile Truck - 2 cubic yard	$1,102.50	Min 10
HB060	**Toter** FLM20: Mobile Truck w/ Attached Lid - 2 cubic yard	$1,655.85	Min 10
HB061	**Toter** FLT20: Mobile Truck w/ Attached Lid - 2 cubic yard w/ Pintle Hook Tow Assembly	$2,209.13	Min 10
HB062	**Toter** AMT10: Towable Universal Mobile Truck - 1 cubic yard	$1,257.56	Min 10
HB063	**Toter** AMT20: Towable Universal Mobile Truck - 2 cubic yard	$1,470.00	Min 10
HB064	**Toter** AMA20: Rapid Speed Mobile Truck - 2 cubic yard	$2,161.25	Min 10
HB065	**Toter** FLA20: Rapid Speed Mobile Truck w/ Attached Lid - 2 Cubic Yard (Towable up to 25 mph)	$2,942.63	Min 10
HB066	**Toter** FLA30: Rapid Speed Mobile Truck w/ Attached Lid - 3 Cubic Yard (Towable up to 25 mph)	$4,389.00	Min 10
HB067	**Toter** LM110: Universal Mobile Truck - 1 cubic yard, Removable Solid Lid	$196.00	Min 10
HB068	**Toter** LMS10: Universal Mobile Truck - 1 cubic yard, Hinged Solid Lid	$203.00	Min 10
HB069	**Toter** RBR32: Atlas Container, 32 gal, Automated or Manual Unloading	$41.99	Min 10
HB070	**Toter** RBR44: Atlas Container, 44 gal, Automated or Manual Unloading	$48.29	Min 10
HB071	**Toter** RBR55: Atlas Container, 55 gal, Automated or Manual Unloading	$58.79	Min 10
HB072	**Toter** ASH50: Ashtray with Removable Lid and Attached Tray, Factory Installed / Fits RDO44, RDT44	$50.23	Min 10
HB073	**Toter** HTL21: Dome-Top Lid with Push-in Hinged Door, fits 21 gal Slimline Half-Round Container (HRC21)	$38.50	Min 10
HB074	**Toter** HRC21: Slimline Half-Round Container, 21 gal, Manual Unloading	$52.85	Min 10
HB075	**Toter** CHLC21: Slimline Lockable Half-Round Container with Document Slot, 21 gal, Manual Unloading	$94.50	Min 10
HB076	**Toter** REC21: Slimline Rectangular Container, 23 gal, Manual Unloading	$48.28	Min 10
HB077	**Toter** RLC21: Slimline Lockable Rectangular Container with Document Slot, 23 gal, Manual Unloading	$94.50	Min 10
HB078	**Toter** SSC25: Slimline Square Container, 25 gal, Manual Unloading	$50.86	Min 10
HB079	**Toter** SSC50: Slimline Square Container, 50 gal, Manual Unloading	$64.39	Min 10

HB080	**Toter** SHL50: Slimline Square Container w/ permanently attached Hinged Dome-Top Lid, two push-in Doors, 50 gal, Manual Unloading / Wgt Base included	$129.50	Min 10
HB081	**Toter** 840K: Dome-Top Litter Container - 45 gallon	$227.50	Min 10
HB082	**Toter** 860A: Dome-Top Litter Container - 60 gallon w Gravity Latch	$308.00	Min 10
HB083	**Toter** 860B: Dome-Top Litter Container - 60 gallon w bag holder straps	$308.00	Min 10
HB084	**Toter** TB095-10000: Toter Box Assembly - Includes Box, Frame, Casters & Hitch Connector	$384.99	Min 1
HB085	**Toter** TB095-11000: Toter Box with Frame	$342.99	Min 1
HB086	**Toter** TB095-12000: Toter Box	$262.49	Min 1
HB100	**Toter** 25B64: 64 Gallon Bear Tight Cart (Color: Blackstone only)	$160.36	Min 10
HB101	**Toter** 25B96: 96 Gallon Bear Tight Cart (Color: Blackstone only)	$179.68	Min 10
HB102	**Toter** CDA64: Secure Document Two-Wheel Carts - 64 gallon / Non Locking Lid	$130.98	Min 10
HB103	**Toter** CDA64: Secure Document Two-Wheel Carts - 64 gallon / Pad Lock Hasp	$130.98	Min 10
HB104	**Toter** CDA64: Secure Document Two-Wheel Carts - 64 gallon / Barrel Lock	$130.98	Min 10
HB104	**Toter** CDA96: Secure Document Two-Wheel Carts - 96 gallon / Non Locking Lid	$154.79	Min 10
HB105	**Toter** CDA96: Secure Document Two-Wheel Carts - 96 gallon / Pad Lock Hasp	$154.79	Min 10
HB106	**Toter** CDA96: Secure Document Two-Wheel Carts - 96 gallon / Barrel Lock	$154.79	Min 10
HB107	**Toter** RMN64: Regulated Medical Waste Two-Wheel Carts - 64 gallon	$145.53	Min 10
HB108	**Toter** RMN96: Regulated Medical Waste Two-Wheel Carts - 96 gallon	$171.99	Min 10
HB109	**Toter** ANA32: Two-Wheel Cart - 32 gallons	$54.96	Min 10
HB110	**Toter** ANA48: Two-Wheel Cart - 48 gallon	$60.16	Min 10
HB111	**Toter** ANA64: Two-Wheel Cart - 64 gallon	$70.40	Min 10
HB112	**Toter** ANA96: Two-Wheel Cart - 96 gallon	$91.97	Min 10
HB113	**Toter** ONA24: Two-Wheel Cart - 24 gallon, Standard Lid	$57.32	Min 10
HB114	**Toter** ONA32: Two-Wheel Cart - 32 gallon, Standard Lid	$64.39	Min 10
HB115	**Toter** ONA48: Two-Wheel Cart - 48 gallon, Standard Lid	$72.13	Min 10
HB116	**Toter** ONA64: Two-Wheel Cart - 64 gallon, Standard Lid	$86.94	Min 10
HB117	**Toter** ACC32: Caster Cart - 32 gallon, Standard Lid	$104.30	Min 10
HB118	**Toter** ACC64: Caster Cart - 64 gallon, Standard Lid	$118.50	Min 10
HB119	**Toter** ACC96: Caster Cart - 96 gallon, Standard Lid	$124.94	Min 10
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HB124	**Toter** CDC64: Secure Document Cart - 64 gallon / Barrel Lock	$178.38	Min 10
HB125	**Toter** CDC96: Secure Document Cart - 96 gallon / Non Locking Lid	$224.76	Min 10
HB126	**Toter** CDC96: Secure Document Cart - 96 gallon / Pad Lock Hasp	$224.76	Min 10
HB127	**Toter** CDC96: Secure Document Cart - 96 gallon / Barrel Lock	$224.76	Min 10
HB128	**Toter** RMC64: Regulated Medical Waste Carts - 64 gallon	$185.92	Min 10
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HB132	**Toter** UT205: Heavy Duty Tilt Truck with Handle, 1/2 Cubic Yard	$634.73	Min 10
HB133	**Toter** UTP05: Universal Tilt Truck with Handle (Pneumatic Tires and Casters) - 1/2 cubic yard	$636.27	Min 10
HB134	**Toter** UT175: Standard Duty Tilt Truck with Handle - 3/4 Cubic Yard	$630.34	Min 10
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HB136	**Toter** UT110: Standard Duty Tilt Truck with Handle - 1 Cubic Yard	$776.02	Min 10
HB137	**Toter** UT210: Heavy Duty Tilt Truck with Handle - 1 Cubic Yard	$900.31	Min 10
HB138	**Toter** UT115: Standard Duty Tilt Truck with Handle - 1-1/2 Cubic Yard	$1,494.08	Min 10
HB139	**Toter** UT215: Heavy Duty Tilt Truck with Handle - 1-1/2 Cubic Yard	$1,658.30	Min 10
HB140	**Toter** UTT05: Towable Tilt Truck with Handle - 1/2 Cubic Yard	$721.28	Min 10
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HB146	**Toter** MMC20: Manual Cube Truck - 20 cubic foot	$366.03	Min 10
HB147	**Toter** AMC20: Automated Cube Truck - 20 cubic foot	$397.86	Min 10
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HB149	**Toter** AM120: Universal Mobile Truck - 2 cubic yard	$1,102.50	Min 10
HB150	**Toter** FLM20: Mobile Truck w/ Attached Lid - 2 cubic yard	$1,655.85	Min 10
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HB154	**Toter** AMA20: Rapid Speed Mobile Truck - 2 cubic yard	$2,161.25	Min 10
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HB161	**Toter** RBR55: Atlas Container, 55 gal, Automated or Manual Unloading	$58.79	Min 10
HB162	**Toter** ASH50: Ashtray with Removable Lid and Attached Tray, Factory Installed / Fits RDO44, RDT44	$50.23	Min 10
HB163	**Toter** HTL21: Dome-Top Lid with Push-in Hinged Door, fits 21 gal Slimline Half-Round Container (HRC21)	$38.50	Min 10
HB164	**Toter** HRC21: Slimline Half-Round Container, 21 gal, Manual Unloading	$52.85	Min 10
HB165	**Toter** CHLC21: Slimline Lockable Half-Round Container with Document Slot, 21 gal, Manual Unloading	$94.50	Min 10
HB166	**Toter** REC21: Slimline Rectangular Container, 23 gal, Manual Unloading	$48.28	Min 10
HB167	**Toter** RLC21: Slimline Lockable Rectangular Container with Document Slot, 23 gal, Manual Unloading	$94.50	Min 10
HB168	**Toter** SSC25: Slimline Square Container, 25 gal, Manual Unloading	$50.86	Min 10
HB169	**Toter** SSC50: Slimline Square Container, 50 gal, Manual Unloading	$64.39	Min 10

HB170	**Toter** SHL50: Slimline Square Container w/ permanently attached Hinged Dome-Top Lid, two push-in Doors, 50 gal, Manual Unloading / Wgt Base included	$129.50	Min 10
HB171	**Toter** 840K: Dome-Top Litter Container - 45 gallon	$227.50	Min 10
HB172	**Toter** 860A: Dome-Top Litter Container - 60 gallon w Gravity Latch	$308.00	Min 10
HB173	**Toter** 860B: Dome-Top Litter Container - 60 gallon w bag holder straps	$308.00	Min 10
HB174	**Toter** TB095-10000: Toter Box Assembly - Includes Box, Frame, Casters & Hitch Connector	$384.99	Min 1
HB175	**Toter** TB095-11000: Toter Box with Frame	$342.99	Min 1
HB176	**Toter** TB095-12000: Toter Box	$262.49	Min 1
AJ500	**Toter** EVR II 79221: 21 gallon capacity residential roll-out cart: universal dumping design, rotational molded, rotating steel stop bar, 10" wheels	$36.02	TL of 950
EJ387	**Toter** 3065-HL-9H18: HighLift residential rear or side lift applications lifter: hydraulic rotary actuator lifter, 21" x 15" x 36"	$2,901.25	Min 1
KA200	**Toter** 99721, 96721: Lid for Model 79321 Cart	$18.99	Min 1
KA201	**Toter** 99724, 96724: Lid for Model 79224, 79324 Carts	$18.99	Min 1
KA202	**Toter** 99732, 96732: Lid for Model 79232, 76532, 57532 Carts	$18.99	Min 1
KA203	**Toter** 99735, 96735: Lid for Model 79325, 76535, 57535 Carts	$18.99	Min 1
KA204	**Toter** 99748: Lid for Model 79248 Cart	$18.99	Min 1
KA205	**Toter** B99764, B96764: Lid for Model 79264 Cart	$18.99	Min 1
KA206	**Toter** 96764: Lid for Model 76564, 57564 Carts	$18.99	Min 1
KA207	**Toter** B99796, B96796: Lid for Model 79296 Cart	$14.80	Min 1
KA208	**Toter** 99796, 96796: Lid for Model 76596, 57596 Carts	$14.80	Min 1
GA056	**Toter** Insert VRI10: When installed into a 24 gallon cart (EVR 79224, 79321 and 79324) this 10 gallon insert changes capacity of the 24 gallon cart to a 10 gallon cart	$18.25	TL of 3120
GA057	**Toter** Insert VRI20: When installed into a 32 gallon cart (Models EVR 76532 and 52532), this 20 gallon insert changes capacity of the 32 gallon cart to a 20 gallon cart	$20.22	TL of 1333

City of Galveston

DEPARTMENT OF INFORMATION TECHNOLOGY

STAFF REPORT

October 17, 2019

To: Brian Maxwell, City Manager
Honorable Mayor and City Council

From: Hope Dean, Executive Director/CITO

RE: Consider for approval the renewal of the annual maintenance support agreement for City's Enterprise Content Management solution (ECM), Laserfiche, awarding the contract to MCCi in the amount of $42,595.70.

I. BACKGROUND

Laserfiche was implemented in 2002 for the City Secretary's office and has served as a central repository and management tool for the electronic archive of historical documents. Since its implementation the solution continues to be expanded Citywide.

Laserfiche is the software program utilized by the City for its electronic document management system (EDMS). This software provides storage and enhanced search capabilities for documents that have been scanned or imported into the system. In addition, it supports the development of automated forms and workflow, record retention schedules and record lifecycle auditing. This contract is with Municipal Code Corporation, Inc. (MCCi), the reseller who administers the maintenance contract and provides primary support to the City.

II. CURRENT SITUATION

This request is to renew the annual support agreement for a period of one year. This renewal entitles the City patch releases provided by the vendor, technical assistance with installing and configuring upgrades and bug fixes, access to the MCCi Laserfiche training site, and other technical support assistance for this software.

III. ISSUES

1. The solution contains proprietary code that is not accessible by the IT team and cannot be supported by any vendor. Without maintenance support, the City would be unable to obtain critical software patches and ensure the health and stability of the system.

IV. ALTERNATIVES

1. The City of Galveston could opt to purchase an entirely new records retention management package. This would incur the expense of the purchase, implementation, training, maintenance, and resources for deployment.

2. Opt to not renew the maintenance support agreement. The city would be unable to obtain support on the system as needed.

3. Renew maintenance support for one (1) year.

V. RECOMMENDATION

Approve the renewal of the annual maintenance support and award the contract to MCCi in the amount of $42,595.70.

VI. FISCAL IMPACT REPORT

Requested by:	Hope Dean Chief Information Technology Officer
Funding Source:	Information Technology Operating Budget
Costs of implementation:	$42,595.70

1958A Commonwealth LN
Tallahassee, FL 32303
FEIN: 33-1069550
Questions: billing@mccinnovations.com

INVOICE

Bill To:

GALVESTON, TX
Debbie Jordan
PO BOX 779
GALVESTON, TX 77553

Invoice Number	00018701
Invoice Date	9/26/2019
PO Number	LSAP RENEWAL 2019
Customer Id	60-60131
Payment Terms	Net 30

Shipped	Description	Unit Price	Extended Price
1	LF SUPPORT RENEWAL	$42,595.70	$42,595.70
LSAP Renewal 2019			

Subtotal	$42,595.70
Discount	$0.00
Freight	$0.00
Tax	$0.00
Total	$42,595.70

Payment by ACH (preferred):
Enterprise Bank
ABA: 081006162
Account: 1293909

Payment by check:
MCCi, LLC
PO Box 790379
St. Louis, MO 63179-0379

City of Galveston

DEPARTMENT OF INFORMATION TECHNOLOGY

STAFF REPORT

October 17, 2019

To: Brian Maxwell, City Manager
Honorable Mayor and City Council

From: Hope Dean, Executive Director/CITO

RE: Consider for action authorizing the City Manager to enter into a 3 year maintenance and support agreement with Accela, Inc for the maintenance and support of the permitting, mobile office, code enforcement and parcel management software.

I. BACKGROUND

City Council approved the City Manager to enter into a lease purchase contract with Government Capital Corporation for the purpose of financing software, implementation, training and maintenance for Accela Government Software.

II. CURENT SITUATION

Accela and City Staff negotiated a 3 year agreement for maintenance and support service for the permitting, mobile office, code enforcement and parcel management software solution. Entering into a 3 year agreement reduces the year over year increase from 5% to 3% annually.

Accela will invoice the City of Galveston for maintenance fees and support services at the beginning of each fiscal year.

II. ISSUES

1. Without a current maintenance contract any software upgrades will have to be purchased at original purchase prices; which are much higher than maintaining a current contract.

2. Without a current maintenance contract Galveston would be unable to resolve errors as this is a proprietary software solution without access to the source code.

IV. ALTERNATIVES

1. There is no alternative due to the City functions using the Accela program to stay up to date on the permitting process, complaints, service request and citizen access.

V. RECOMMENDATION

Consider for action authorizing the City Manager to enter into a 3 year maintenance and support agreement with Accela for maintenance and support of the permitting, mobile office, code enforcement and parcel management software. Funding source is Planning Software Licenses account and Public Works Various Accounts.

VI. FISCAL IMPACT REPORT

Requested by:	Hope Dean Executive Director/CITO
Funding Source:	Planning and Public Works Operating Budgets
Cost:	$106,139.68/FY20; $109,323.87/FY21; $112,603.59/FY22

2633 Camino Ramon, Suite 500
San Ramon, CA 94583

Proposed by: Greg Johnston
Contact Phone: (925) 359-3409 x 813409
Contact Email: grjohnston@accela.com
Quote ID: Q-14645
Valid Through: 09/19/2019
Currency: USD

ORDER FORM

Address Information

Bill To:
City of Galveston, TX
P.O. Box 779
Galveston, Texas, 77553
United States

Ship To:
City of Galveston, TX
P.O. Box 779
Galveston, Texas, 77553
United States

Billing Contact: Hope Dean
Billing Phone: 409-797-3578
Billing Email Address: hdean@galvestontx.gov

Services

Services	Start Date	End Date	Term (Mths)	Unit Price	Quantity	Total Price
Accela Land Management (1 Server, 60 Users)	10/01/2019	09/30/2020	12	$1,032.39	60.00	$61,943.63
Accela GIS (1 Server, 30 Users)	10/01/2019	09/30/2020	12	$371.13	30.00	$11,133.83
Accela Mobile Office (1 Server, 15 Users)	10/01/2019	09/30/2020	12	$1,070.92	15.00	$16,063.84
Accela Citizen Access (1 Server, 50,000 pop license, 2 Module Licenses)	10/01/2019	09/30/2020	12	$16,998.38	1.00	$16,998.38
					Total	$106,139.68

Services Year 2	Start Date	End Date	Term (months)	Unit Price	Quantity	Total Price
Accela Land Management (1 Server, 60 Users)	10/01/2020	09/30/2021	12	$1,063.37	60.00	$63,801.94
Accela GIS (1 Server, 30 Users)	10/01/2020	09/30/2021	12	$382.26	30.00	$11,467.84
Accela Mobile Office (1 Server, 15 Users)	10/01/2020	09/30/2021	12	$1,103.05	15.00	$16,545.76
Accela Citizen Access (1 Server, 50,000 pop license, 2 Module Licenses)	10/01/2020	09/30/2021	12	$17,508.33	1.00	$17,508.33
					Total	$109,323.87

Services Year 3	Start Date	End Date	Term (months)	Unit Price	Quantity	Total Price
Accela Land Management (1 Server, 60 Users)	10/01/2021	09/30/2022	12	$1,095.27	60.00	$65,716.00
Accela GIS (1 Server, 30 Users)	10/01/2021	09/30/2022	12	$393.73	30.00	$11,811.88
Accela Mobile Office (1 Server, 15 Users)	10/01/2021	09/30/2022	12	$1,136.14	15.00	$17,042.13
Accela Citizen Access (1 Server, 50,000 pop license, 2 Module Licenses)	10/01/2021	09/30/2022	12	$18,033.58	1.00	$18,033.58
					Total	$112,603.59

Terms / Information

General Information	
Governing Agreement(s)	This Order Form will be governed by the applicable terms and conditions. If those terms and conditions are non-existent, have expired or have otherwise been terminated, the following terms will govern as applicable, based on the Customer's purchase: **https://accela.box.com/v/AccelaTerms.**

Order Terms	
Order Start Date	Unless otherwise specified in the Special Order Terms: • Software Licenses & Subscriptions start on the date of delivery by Accela; • Hosting and Support start on Accela's delivery of the software hosted and/or supported;.
Order Duration	Unless otherwise specified in the Special Order Terms: • Subscriptions continue from the Order Start Date through the number of months listed in this Order Form (or if not listed, twelve (12) months). Thereafter Subscriptions automatically renew annually as calculated from Order Start Date of Customer's first Subscription purchase. • Any Software Licenses or Hardware are one-time, non-refundable purchases. • Hosting and Support continue from the Order Start Date through the number of months listed in this Order Form (or if not listed, twelve (12) months). • Professional Services continue for the duration as outlined in the applicable Statement of Work, Exhibit or the Governing Agreement, as applicable.
Special Order Terms	This Order Form replaces all previous order forms for the terms listed above and will govern the Software, Maintenance, and/or Services items listed on Page 2 of this Order Form. • In the event of an inconsistency between this Order Form, any governing agreement, purchase order, or invoice, the Order Form shall govern as it pertains to this transaction. • For Software Licenses, Accela may terminate this Order Form in the event the Software is phased out across Accela's customer base. In such event, Accela will provide Customer sufficient advance notice and the parties will mutually agree to a migration plan for converting Customer to another Accela generally-available offering with comparable functionality.

Payment Terms	
Currency	USD
Invoice Date	Unless otherwise stated in the Special Payment Terms, Invoice for the Grand Total $ above will be issued on the Order Start Date.
Payment Due Date	Unless otherwise stated in the Special Payment Terms or the Governing Agreement(s), all payments are due on the Invoice Date and payable **net 30 days**.

Special Payment Terms	None unless otherwise specified in this section.	
Purchase Order	If Customer requires PO number on invoices, it **must** be provided to the right and Customer **must** provide a copy of the PO prior to invoice issuance. If no PO number provided prior to invoice issuance date, invoices issued on this Order Form will be valid without a PO reference.	PO#

Accela	**Customer**
By: _____ *(Signature)*	**By:** _____ ***(Signature)***
_____ *(Print Name)*	_____ *(Print Name)*
Its: _____ *(Title)*	Its: _____ *(Title)*
Dated: _____ *(Month, Day, Year)*	Dated: _____ *(Month, Day, Year)*

Southern Computer Warehouse
1395 S. Marietta Parkway | Building 300-106
Marietta, GA 30067
(P) 877-468-6729
(F) 770-579-8937
SCW.com

Quote # 100208051 - VMware renewal - 1 Year
Cust #: CT4404 (City of Galveston TX)
Quote Date: Oct 9, 2019

Sold to:	Ship to:
Payable Accounts City of Galveston TX PO Box 779 Galveston, Texas, 77553 T: 409-797-3748 jammerman@galvestontx.gov	REF PO City of Galveston TX 2517 AVE H STE 100 TECH SERVICES Galveston, Texas, 77550 T: 409-797-3748 jammerman@galvestontx.gov
	Shipping Method:Free Shipping

Notes: Buyboard 579-19 . . 164174130 12/18/2019 to 12/17/2020 . . This is for 1 year - VMWare did have a pricing increase over last year.

#	Products	SKU	Price	Qty	Subtotal
1	Vmware vSphere Essentials Kit v.6.0 - Subscription License - 1 Year - 1 Year VS6-ESSL-SUB-C	VMW-VS6-ESSL-SUB-C	$169.96	1	$64.72
2	Vmware Production Support & Subscription - 1 Year - Service - 24 x 7 x 30 Minute - Technical - Electronic Service	VMW-VCS6-STD-P-SSS-C	$3,919.25	1	$1,492.31
3	Vmware Support and Subscription Production - 1 Year - Service - 24 x 7 x 30 Minute - Technical - Electronic Service	VMW-VS6-EPL-P-SSS-C	$2,282.01	28	$24,329.48

Subtotal:	$25,886.51
Tax:	$0.00
Grand Total (Incl. Tax):	$25,886.51

Thank you for your order. We value your business and will continue to provide you excellent service in addition to our comprehensive product line. All returns must be authorized and clearly marked with a valid RMA number. Returns are subject to restock fees when applicable.
Quotes are valid for 30-days unless otherwise noted.

Due to the volatile trade conditions between
the US and China, prices are fluctuating
daily as tariffs are imposed.
Josh Reardon
Josh.Reardon@scw.com
1395 S Marietta Pkwy Bldg 300-106
Marietta GA 30067
877-468-6729 x291

City of Galveston

DEPARTMENT OF INFORMATION TECHNOLOGY

STAFF REPORT

October 17, 2019

To: Brian Maxwell, City Manager
Honorable Mayor and City Council

From: Hope Dean, Executive Director/CITO

RE: Consider approving the renewal of the VMware software maintenance contract for $25,886.51.

I. BACKGROUND

Information Technology implemented VMware for the City of Galveston's virtual server technology in September 2013. Virtual Server technology allows the City to more effectively leverage the use of server hardware resources. This software allows a single piece of server hardware to be segmented into many different virtual server instances. It allows a single physical unit of hardware to do the same job that used to require multiple servers. This saves the City money on hardware, power, and maintenance expenses. Virtual Server technology also aids in over administration of the Data Center environment, including maintaining server up-time, redundancy, and backup.

II. CURENT SITUATION

The maintenance contract for our virtual server operating system is due. This contract is provided by the software manufacturer VMWare, and provides the City with all new software releases and technical support. The City primary data center currently houses eight (8) physical severs, which have been provisioned to support in excess of 100 virtual server instances. This contract is to cover this key infrastructure.

II. ISSUES

1. Without a current maintenance contract any software upgrades will have to be purchased at original purchase prices; which are much higher than maintaining a current contract.

2. Without a current maintenance contract there is no guarantee that we will be able to correct errors that may arise in the system.

3. Without a current maintenance contract we risk losing the functionality of our entire network and all the data that resides on it.

IV. ALTERNATIVES

1. Discontinue this maintenance contract and the City loses access to software upgrades and tech support. Without tech support the City risks losing not just the functionality of a single software system but all software systems that reside on the network. Since many servers reside on a single piece of hardware and all those instances are controlled by VMware, it is possible we could suffer a catastrophic failure without any means of recovery. Without software updates our virtual server technology would eventually become so outdated it would not work properly with newer hardware and versions of the Microsoft Server Operating System. This would then force us to either discontinue using virtual server technology or purchase a new set of licenses to cover our existing installation. These licenses would cost the City $96,166.12 at current pricing levels.

2. Purchase virtual server technology from another manufacturer. There are several other manufactures that offer virtual server technology. The team evaluated other solutions when it transitioned to full virtual environment and determined VMware as the optimal solution for the environment. VMware is the largest provider of virtual server software with 56% of the market share. They are also the manufacture that is most widely compatible with all software systems. Some of the software we run will only work with VMware. VMware also offers the most features and tools for management of our virtual server farm. For these reason TS chose to go with VMware and continues to recommend the City stay with VMware.

V. RECOMMENDATION

Approve the renewal of the VMware maintenance contract, for a total cost of $25,886.51.

VI. FISCAL IMPACT REPORT

Requested by:	Hope Dean Executive Director/CITO
Funding Source:	Information Technology Operating Budget
Cost:	$25,886.51

,

City Marshal's Office

CITY OF GALVESTON
823 Rosenberg | Galveston, TX 77550-0779
www.galvestontx.gov | 409-797-3660

To: Honorable Mayor and City Council Members

From: Butch Stroud, City Marshal

RE: Consider entering into an Interlocal Government Agreement with the County of Galveston, the purpose of which is to agree to an equal split of the 2019 Byrne Justice Assistance Grant (JAG) award of $33,578.00.

I. Background

A. The funds would be used to purchase Tasers for the Police Department and a Lap Top and printer for the Marshals Office.

B. The Police Department needs to replace outdated Tasers and the Marshals Office needs to purchase a Lap top and printer.

C. The use of the Taser has been proven to result in fewer physical altercations between the officers and suspects, improving the safety for both. The Lap Top and printer is needed to allow the offices to be more efficient in their duties and spend less time in the office.

II. Current Situation

Whether to approve entering into the Interlocal Agreement or not.

III. Alternatives in order of priority

A. Enter into the Interlocal Government Agreement with the County of Galveston.
   a. Cost - $0.00
   b. Timing – As soon as possible
   c. Departmental Improvements – Entering into the Interlocal Agreement will allow:
      i. The purchase of the replacement Tasers for the Police Department and the purchase of the new lap top and printer for the Marshals Office and related items with the JAG Grant funds.

CITY OF GALVESTON
823 Rosenberg | Galveston, TX 77550-0779
www.galvestontx.gov | 409-797-3660

IV. Alternatives in order of priority

B. Deny entering into the Interlocal Agreement

1. Cost – No cost

2. Timing – N/A

3. Departmental Improvements – No improvements

V. Recommendation

Concur in Alternative A and approval for entering into an Interlocal Agreement with the County of Galveston, the purpose of which is to agree to an equal split of the 2019 Byrne Assistance Grant (JAG) Award of $11.193.00.

VI. Fiscal Impact Report

Requested by:	Butch Stroud City Marshal
Funding Source:	$11.193.00 2019 Byrne Justice Assistance Grant Award
Cost of Implementation:	**$0.00**

Respectfully Submitted,

Butch Stroud
City Marshal

Approved,

_____

Jim Yarbrough
Mayor, City of Galveston

City Marshal's Office

CITY OF GALVESTON
823 Rosenberg | Galveston, TX 77550-0779
www.galvestontx.gov | 409-797-3660

RESOLUTION NO. 19-____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF GALVESTON, TEXAS, ACCEPTING THE CITY'S PORTION OF A 2019 BYRNE JUSTICE ASSISTANCE GRANT FROM THE DEPARTMENT OF JUSTICE IN A JOINT TOTAL AMOUNT OF $33,578.00, AND SAID CITY PORTION TO PROVIDE FOR THE PURCHASE OF EQUIPMENT (TACTICAL PATROL EQUIPMENT) FOR THE MARSHALS OFFICE AND THE CITY OF GALVESTON'S POLICE DEPARTMENT; AUTHORIZING THE CITY MANAGER TO EXECUTE AN INTERLOCAL AGREEMENT WITH GALVESTON COUNTY; APPOINTING THE COUNTY AS FISCAL AGENT FOR THE GRANT; DIVIDING THE TOTAL GRANT AWARD BETWEEN THE PARTIES; PROVIDING FOR FINDINGS OF FACT AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the Federal Bureau of Justice Assistance awarded a fiscal year 2019 Byrne Justice Assistance Grant (the "Grant") in a total amount of $33,578.00 to Galveston County and the City of Galveston (the "Recipients") under joint application No. 2019-H3843-TX-DJ; and

WHEREAS, the City of Galveston Police Department will use the Grant funds for purposes set forth in the Program Narrative, pertaining to the purchase of equipment (Tactical Patrol Equipment) for the Marshals Office and the City of Galveston's Police Department (GPD); and

WHEREAS, the City Council of the City of Galveston, Texas deems it in the public interest to accept such Grant and enter into an Interlocal Agreement with Galveston County.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GALVESTON, TEXAS:

SECTION 1. The findings and recitations set out in the preamble to this Resolution are found to be true and correct and are hereby adopted by the City Council and made a part hereof for all purposes.

SECTION 2. The City Council of the City of Galveston hereby authorizes the City Manager to accept the City's portion of 2019 Byrne Justice Assistance Grant from the Department of Justice – Bureau of Justice Assistance.

SECTION 3. The City Council of the City of Galveston hereby authorizes the City Manager to execute an Interlocal Agreement between the Recipients, attached as "Exhibit A" and incorporated for all purposes, appointing Galveston County as fiscal agent for the Grant and dividing the total Grant amount of $33,578.00 between the parties as follows:

City of Galveston	$11,193.00
City of Texas	$11,193.00
County of Galveston	$11,192.00

SECTION 4. This Resolution shall be and become effective from and after its adoption.

APPROVED AS TO FORM:

_____
DONNA M. FAIRWEATHER
ASSISTANT CITY ATTORNEY

I, Janelle Williams, Secretary of the City Council of the City of Galveston, do hereby certify that the foregoing is a true and correct copy of a Resolution adopted by the City Council of the City of Galveston at its regular meeting held on the 17th day of October, 2019, as the same appears in records of this office.

IN TESTIMONY WHEREOF, I subscribe my name hereto officially under the corporate seal of the City of Galveston this _____ day of _____, 2019.

_____
Secretary for the City Council
of the City of Galveston

Interlocal Government Agreement Between the County of Galveston, The City of Texas City, and the City of Galveston

2019 Byrne Justice Assistance Grant (JAG) Program Award

This Interlocal Governmental Agreement is entered into in accordance with Chapter 791 of the Texas Government Code. It is by and between the County of Galveston, the City of Texas City and the City of Galveston. The purpose is to agree to an equal split of the 2019 Byrne Justice Assistance Grant award of $33,578.

Whereas, the County of Galveston, acting on behalf of itself and the other parties, under joint application number 2019-H3843-TX-DJ has applied for an agreed to act as fiscal agent for the 2018 Justice Assistance Grant (JAG) in the amount of $33,578; and,

Whereas, each of the parties finds that the performance of this Agreement is in their best interest, that the undertaking of this Agreement will benefit the public and the equal division of the JAG award fairly compensates each party for the services or functions they are to render; and,

Now; therefore, the Parties Agree as Follows:

Section 1.

Galveston County, as fiscal agent, agrees, within 45 days of the date of receipt of invoices and proof of payment for JAG approved project expenditures, to reimburse the City of Texas City and the City of Galveston up to $11,193. Galveston County will retain the balance of the funds which will amount to at least $11,192.

Section 2.

The funds each party receives will be used for the purposes set forth in the Program and Budget Narratives submitted to the US Department of Justice which is incorporated herein for all purposes, unless subsequently modified in accordance with grant guidelines.

Section 3.

Each party to this Agreement will be responsible for its own action in providing services under this agreement and shall not be liable for any civil liability that may arise from the furnishing of services by the other party. Nothing in this Agreement; however, shall be construed to waive the doctrine of sovereign or other form of immunity of any party. Nor shall this Agreement be construed to be for the benefit of, or create any rights in any party not a signatory hereto.

Section 4a.

The parties do not intend to create any obligations express or implied other than those set out herein.

County of Galveston **Attest:**

_____ _____

Mark Henry
Galveston County Judge

Dwight Sullivan
Galveston County Clerk

Executed and effected this _____ day of _____, 2019.

Section 4b.

The parties do not intend to create any obligations express or implied other than those set out herein.

City of Galveston	**Attest:**
_____	_____
Jim Yarbrough	Janelle Williams
Galveston Mayor	Galveston City Secretary

Executed and effected this _____ day of _____, 2019

Section 4c.

The parties do not intend to create any obligations express or implied other than those set out herein.

City of Texas City	**Attest:**
_____	_____
Matthew T. Doyle	Nicholas Finan
Texas City Mayor	Texas City- City Secretary

Executed and effected this _____ day of _____, 2019

GMS Application #2019-H3843-TX-DJ

City Marshal's Office

CITY OF GALVESTON
823 Rosenberg | Galveston, TX 77550-0779
www.galvestontx.gov | 409-797-3660

September 24, 2019

To: Brian Maxwell, City Manager
Honorable Mayor and City Council Members

From: Butch Stroud, City Marshal

RE: **Consider for approval a 3-year contract with 2 one-year optional years for a total of 5 years. This contract is for a vehicle disabling device (Barnacle) provided by ITSA Solutions LLC, which is a sole source provider for this type of device, and authorize the City Manager to execute the contract upon final approval by the City Attorney.**

I. Background

A. The Marshals Office needs a vehicle disabling device to assist in collecting unpaid parking fines.
B. We currently do not have any devices like this to disable a vehicle. This device is unique and can be removed by the vehicle driver 24/7 by using the web site or by calling via telephone.
C. ITSA Solutions LLC will collect the outstanding fines 24/7 and send the collected outstanding funds to the city each month.
D. ITSA Solutions LLC is a sole source vendor for this product.

II. Current Situation

Concur in Alternative A and approve the three-year contract with the two one-year optional years for a total of 5 years, from ITSA Solutions LLC which are a sole source provider for this product, and authorize the City Manager to execute the contract upon final approval by the City Attorney. The funding source will be the Code Enforcement Maintenance Contracts account.

III. Alternatives in order of priority

A. Approve the contract to the sole source vendor.

1. Cost – The total cost not to exceed $4,723.77 per year.

2. Timing – This purchase is necessary immediately to start collecting outstanding parking fines.

3. Departmental Improvements – This purchase will ensure that the Parking Enforcement Division of the Marshals Office has the device necessary to assist in collecting outstanding parking fines.

IV. Alternatives in order of priority

B. Do not approve the contract to the sole source vendor.

1. Cost – No cost

2. Timing – N/A

3. Departmental Improvements – This purchase will not occur therefore slowing operations.

V. Recommendation

Concur in Alternative A and approve the three-year contract with the two one-year optional years from ITSA Solutions LLC which are a sole source provider for this product, and authorize the City Manager to execute the contract upon final approval by the City Attorney. The funding source will be the Code Enforcement Maintenance Contracts account.

VI. Fiscal Impact Report

Requested by:	Butch Stroud City Marshal
Funding Source:	Code Enforcement Maintenance Contracts account.
Cost of Implementation:	$4,723.77 (estimation Only)
Additional Information:	Sole Source Provider

Respectfully Submitted,

Butch Stroud
City Marshal

CONTRACT FOR SERVICES
PARKING ENFORCEMENT

THIS Contract (the "Contract") is made and entered into this ___ day of September, 2019, by and between the City of Galveston, (the "City), a Texas home-rule municipality, and **ITSA Solutions, LLC dba Barnacle Parking Enforcement**, ("Company"), located at **300 Greenwood Avenue, Suite 2, Midland Park, NJ 07432.**

WHEREAS, the City of Galveston desires to obtain certain services in connection with Parking Enforcement within the City of Galveston ("City") and Barnacle Parking Enforcement ("Company") desires to provide such services; and

WHEREAS, this Agreement between the Parties consist of the terms and conditions set forth herein, and that document, attached and incorporated for all purposes; herein Exhibit A, and identified as the proposal from Company for the following services.

Parking Enforcement Services

NOW THEREFORE, for and in consideration of the mutual covenants hereinafter set forth, the parties do mutually agree as follows:

1. Scope of Services. Company will provide supplies and services (the "Work") to the City in connection with the Project, such Work more specifically described in Exhibit A, attached and fully incorporated for all intents and purposes.

2. Standard of Care. The standard of care for all contractual and related services performed or furnished by Company under this agreement will be the care and skill ordinarily used by members of the subject profession practicing under similar circumstances at the same time and in the same locality.

3. Term. The Contract shall be effective for five years upon execution of the agreement by the City of Galveston, unless sooner terminated under the terms set forth herein.

4. Independent Contractors. The parties are independent contractors as to each other. Nothing in this Contract shall be construed as creating any agency or employment relationship. Neither party shall make any representations tending to create an apparent or implied agency or employment relationship. Neither party has the authority to act for the other or to create obligations or debts binding on the other. Neither party shall be responsible for any obligations or expenses incurred by the other. By entering into this Agreement, Company agrees that City is entering into this agreement in its governmental capacity, and not a proprietary one.

5. Access to Information. It is agreed that all information, data, reports and records and maps as are existing, available and necessary for the carrying out of the work outlined above shall be furnished to Company by the City and its agencies. The City and its agencies will

cooperate with Company in every way possible to facilitate the performance of the work described in the contract.

6. Appropriations. The obligations of the City to make payment under this Agreement are expressly subject to appropriations by the City of funds that are lawfully available to be applied to such purpose.

7. Compensation. The City shall compensate Company for the work at the agreed upon annual not-to-exceed amount of Four thousand seven-hundred twenty-three dollars and seventy-seven cents. ($4,723.77). Company will furnish an invoice to the City detailing activities performed and reflecting actual time and expenses incurred during the preceding month. All invoices are due under Government Code Sec. 2251.021, and are payable to Company at 300 Greenwood Avenue, Suite 2, Midland Park, New Jersey 07432. The City shall not be responsible for any payment to Company for any additional services or expenses not specifically included in Exhibit A, except upon execution of an amendment to this Contract in writing by both parties. Parties shall attempt to resolve any payment disputes within thirty (30) days after the invoice date. The City will comply with Texas law in paying and/or disputing invoices.

8. INDEMNIFICATION: FOR CONSIDERATION RECEIVED, Company shall indemnify, defend, save and hold the City of Galveston harmless, including City's officers, agents, employees and servants, from any claims, actions, lawsuits, proceedings, damages, loss, damage, judgments, liabilities or expense on account of damage to property and injuries, including death, which may arise or result, in whole or in part from any grossly negligent act or willful misconduct of Company or those acting under Company supervision or control. Company shall not be responsible, however, for any loss, damage, liability or expense on account of damage to property and injuries, including death, which may arise from the in whole or in part from the negligence of the city. **Company shall comply with the requirements of all current applicable laws, rules and regulations and shall indemnify, and hold harmless the City and its agency members from and against the failure to comply with those laws, and shall assume full responsibility for payments of Federal, State and local taxes on contributions imposed or required under the Social Security, worker's compensation and income tax laws.**

9. Construction. Agreement shall be binding upon and insure to the benefit of the parties hereto and their respective heirs, executors, administrators, legal representatives, successors and assigns where permitted by this Agreement. In any case, if one or more of the provisions contained in this Agreement shall for any reason be held to be invalid, illegal or unenforceable in any respect, such invalidity, illegality, or unenforceability shall not affect any other provision thereof and this Agreement shall be construed as if such invalid, illegal, or unenforceable provision had never been contained herein.

10. Termination of Contract for Cause. If, through any cause, Company shall fail to fulfill in a timely and proper manner his/her obligations under this Contract, or if Company shall violate any of the covenants, agreements, or stipulations of this Contract, the City shall thereupon have the right to terminate this Contract by giving written notice to Company of

such termination and specifying the effective date thereof, at least five days before the effective date of such termination. In such event, all finished or unfinished documents, data, studies, surveys, drawings, maps, models, photographs and reports prepared by Company under this Contract shall, at the option of the City, become property of the City and the Company shall be entitled to receive just and equitable compensation for any work satisfactorily completed hereunder. Notwithstanding the above, Company shall not be relieved of liability to the City for damages sustained by the City by virtue of any breach of the Contract by Company, and the City may withhold any payments to Company for the purpose of set-off until such time as the exact amount of damages due the City from Company is determined.

11. Termination for Convenience of the City. The City may terminate this Contract at any time by giving at least ten (10) days' notice in writing to Company. If the Contract is terminated by the City as provided herein, Company will be paid for the time provided and expenses incurred up to the termination date. If this Contract is terminated due to the fault of Company, Paragraphs relative to termination shall apply.

12. DEFECTS AND THEIR REMEDIES. It is further agreed that if any part of the work or any material brought on the site for use in the work, is deemed by the City or City's Representative as unsuitable or not in conformity with plans, specifications, and contract documents, the Company shall, after receipt of written notice from the City's Representative, immediately remove such material and rebuild or otherwise remedy such work so that it shall be in full accordance with this contract. It is further agreed that any remedial action shall be at Company's expense. No final payment shall be made to Company until that remedial action takes place.

13. Modification. No change in the terms of this Contract shall be binding unless it is in writing and signed by an authorized representative of both parties.

14. Force Majeure. No party to this agreement shall be deemed in violation if it is prevented from timely performing any of its obligations by reason of labor disputes, acts of God, acts of the public enemy, acts of superior governmental authority, or other circumstances for which the party is not responsible or which is not in its control.

15. Proof of Insurance. Company shall maintain certain types of insurance protection throughout the duration of the project. All insurance policies are to be issued by an insurance Company authorized to do business in the State of Texas, using an insurance Company with an A.M. Best rating of a B+ or better.

16. Required Insurance. Commercial general liability insurance, naming the City of Galveston as an additional insured and as certificate holder, and waiving subrogation per the contractual requirements of this project; Automobile Liability Insurance, Worker's Compensation Insurance and Professional Liability Insurance. Limits are to be equal to or greater than:

    a. **Commercial general liability insurance:**

$2,000,000 general liability (includes products and personal, etc.)
$1,000,000 fire damage
$1,000,000 automobile damage
$500,000 workers compensation employers' liability
Statutory limits for workers compensation
Insurance coverage shall be on an "**occurrence basis**"

17. Assignability. Company shall not assign any interest on this Agreement, and shall not transfer any interest in the same (whether by assignment or novation), without the prior written consent of the City. Unless specifically stated to the contrary in any written consent to assignment, no assignment will release or discharge the assignor from any duty or responsibility under this Agreement.

18. Reports and Information. Company, at such times and in such forms as the City may require, shall furnish the City such periodic reports as it may request pertaining to the work or services undertaken pursuant to this Contract, the costs and obligations incurred or to be incurred in connection therewith, and any other matters covered by this Contract.

19. Findings Confidential. To the extent permitted by law, all of the reports, information, data, etc., prepared or assembled by Company under this contract are confidential and Company agrees that they shall not be made available to any individual or organization without the prior written approval of the City.

20. Copyright. No report, maps, or other documents produced in whole or in part under this Contract shall be the subject of an application for copyright by or on behalf of Company.

21. Compliance with Local, State and Federal Laws. Company shall comply with all applicable laws, ordinances and codes of the federal, state, and local governments. This Agreement shall be construed under and in accord with the laws of the State of Texas, and all obligations of the parties created hereunder are performable in Galveston County, Texas. venue in Galveston, County regardless of where the obligations of the parties were performed. By execution of this Contract, the parties agree to subject themselves to the jurisdiction of the Courts of the State of Texas in all matters relating to or arising out of this Contract or the Work.

22. Notices. All notices required or permitted under this Contract shall be in writing and shall be deemed given when delivered in person or three days after deposit in the United States Mail, postage prepaid, addressed to the party's address reflected at the end of this Contract. A party's notice address may be changed from time to time by that party's providing written notice to the other. A copy of the notice to the City shall be sent to:

City Attorney
City of Galveston
823 Rosenberg, Room 203
P.O. Box 779

ITSA Solutions, LLC dba
Barnacle Parking Enforcement
Attn. General Counsel
300 Greenwood Avenue, Suite 2

Galveston, Texas 77553 Midland Park, New Jersey 07432

IN WITNESS WHEREOF, the parties have executed this Agreement in duplicate on the day and year first above written.

CITY OF GALVESTON, TEXAS

BY: _____

NAME: Brian Maxwell

TITLE: City Manager

DATE: _____

ITSA Solutions, LLC

Dba Barnacle Parking Enforcement

BY: _____

NAME: Chris D'Antuono

TITLE: C.O.O.

DATE: 9/26/19

ATTEST:

_____

Janelle Williams, City Secretary

Approved As To Form

_____

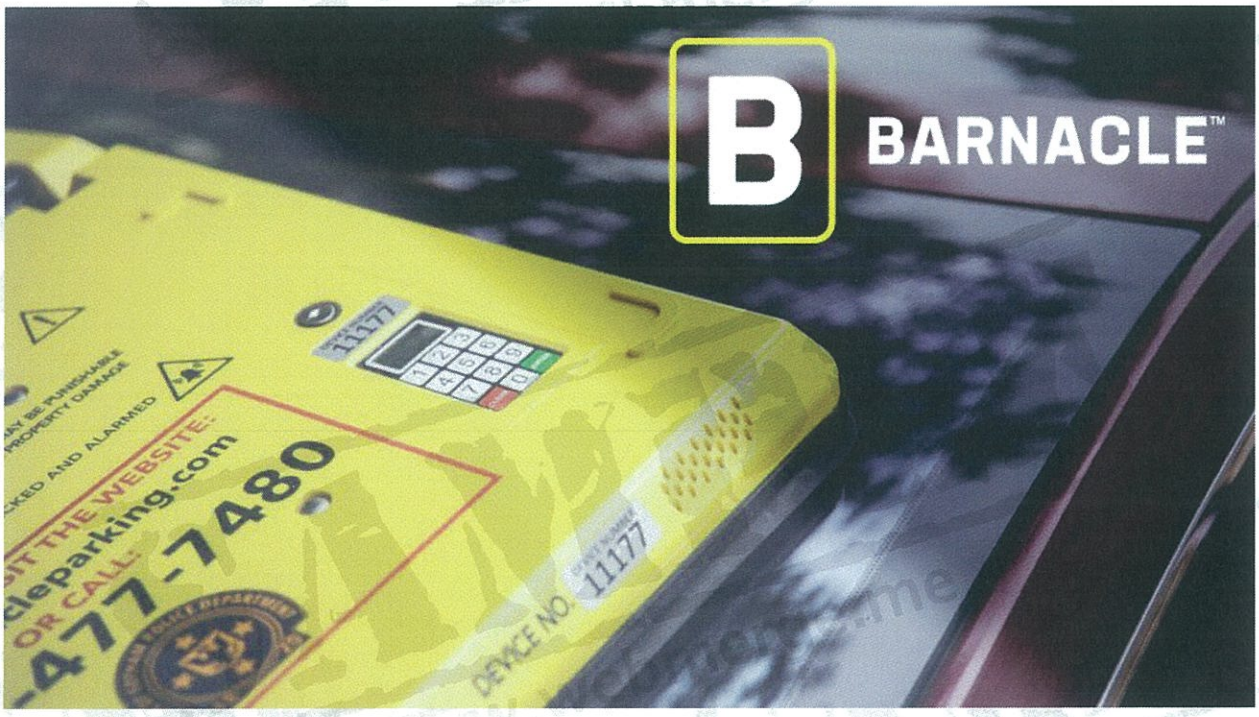
City Attorney's Office

BY EXECUTION OF THIS AGREEMENT, ITSA SOLUTIONS, LLC., ACKNOWLEDGES RECEIPT OF A COPY OF THIS CONTRACT.

Exhibit A

Proposal for:

City of Galveston, TX



Presented by: Tres Altman
tres@barnacleparking.com

07/18/2019

Private and Confidential

OVERVIEW

Barnacle® Parking Enforcement was formed to modernize enforcement operations and drive new revenue opportunities for municipal authorities and private parking operators globally. The Company has developed a patented solution that embeds mobile connectivity and online payment processing within consumer and enforcement friendly immobilization. The Company leverages technology to improve process efficiencies and provide unmatched standards in terms of deployment, cost savings, and motorist satisfaction in the municipal and private parking enforcement industry.

INCLUDED SERVICES

The Barnacle platform is a fully integrated end-to-end solution for vehicle immobilization, payment processing and remote motorist release. Services include:

Barnacle Immobilization Devices

Merchant Account with Credit/Debit Card Processing

Branded Interactive Voice Response (IVR) System

Web App mobile payment portal

Revenue Tracking and Reporting Dashboard

24/7 Tier 2 Call Center & Support

Geolocation Mapping

Device Deposit & Recovery Program

Real Time Alerts

PRICING

Our goal at Barnacle is to generate new revenue opportunities for our partners and clients. Our philosophy is to simplify the process and systems related to parking operations. So we keep the pricing simple.

PREMIER PARTNER PROGRAM

$0 Hardware Cost	• Wireless immobilization unit • Remote motorist release • GPS, tamper alerts, status reports
$700 Set-Up Fee	• Initial one-time fee per enforcement location • Local 24/7 release line • Dedicated user training and onboarding
$35 Release Fee	• Charged for each deployment upon release • Volume based pricing discounts (see below) • Minimum usage of (5) releases per month

OPTIONAL SERVICES

Drop Box — $850 per wood Drop Box/$1,500 per metal Drop Box (plus freight shipping).

GENERAL

- Barnacle devices are provided at no upfront cost
- Per device charge for shipping and custom labeling
- The quantity of devices will be based on expected immobilization volumes
- A minimum of 5 deployments per unit per month is required
- Deployment fees are calculated by dividing the total number of monthly deployments by the total number of devices. The average is used to calculate the rate
- If the fines and release fee per transaction is greater than $150, we charge a 5% surcharge.
- Operators will be granted a revocable license to use and operate the Barnacle
- Any use inconsistent with our terms and/or applicable law or regulation will result in suspension or termination of the service
- Any failure for payment, including minimum usage, will result in cancellation of the service
- Upon cancellation all Barnacles will be disabled and must be returned within 30 days. Any unit no returned within 30 days will be considered lost and subject to the schedule below.

SAMPLE
www.webmerge.me

Warranty

- All Barnacles will be warrantied against failures and defects in the operation
- Any unit that breaks will be replaced upon return and inspection for misuse

Replacement Program (Premier Partner Program)

- Units that are lost or stolen will be subject to the following replacement schedule:
    - $300 for missing units during months 1 - 6
    - $150 for missing units during months 7 - 12
    - $0 for missing units after month 12

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY
CERTIFICATION OF FILING

Certificate Number:
2019-542736

Date Filed:
09/20/2019

Date Acknowledged:

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.
ITSA Solutions LLC - Barnacle Parking
Midland Park, NJ United States

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.
City of Galveston

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.
COG-CON-19-097
Parking Enforcement Technology

4 Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
		Controlling	Intermediary

5 Check only if there is NO Interested Party. [X]

6 UNSWORN DECLARATION

My name is Scott Monroe, and my date of birth is _____.

My address is 300 Greenwood Ave, Suite 2 (street), Midland Park (city), NJ (state), 07432 (zip code), USA (country).

I declare under penalty of perjury that the foregoing is true and correct.

Executed in New Hanover County County, State of NC, on the 20th day of Sept (month), 20 19 (year).

DocuSigned by:
Scott Monroe
B0668031E960403

Signature of authorized agent of contracting business entity
(Declarant)

Client#: 1926886 150ITSASOL

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 09/24/2019

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer any rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME:	
McGriff Insurance Services 2500 Renaissance Blvd Suite100 King Of Prussia, PA 19406-2639 610 279-8550	PHONE (A/C, No, Ext): 610 279-8550	FAX (A/C, No): 6102798543
	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : Great American E&S Insurance Company	37532
INSURED ITSA Solutions LLC 404 5th Avenue, 4th Floor New York, NY 10018	INSURER B :	
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY			PL495919202	04/04/2019	04/04/2020	EACH OCCURRENCE	$1,000,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$500,000
	X Bl/PD Ded:2,500						MED EXP (Any one person)	$20,000
							PERSONAL & ADV INJURY	$1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$2,000,000
	POLICY PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$2,000,000
	OTHER:							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	ANY AUTO						BODILY INJURY (Per person)	$
	OWNED AUTOS ONLY / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	HIRED AUTOS ONLY / NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
	UMBRELLA LIAB OCCUR						EACH OCCURRENCE	$
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$
	DED RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N						PER STATUTE OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED?	N / A					E.L. EACH ACCIDENT	$
	(Mandatory in NH)						E.L. DISEASE - EA EMPLOYEE	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

The City of Galveston is recognized as additional insured if required by written contract and are subject to the terms and conditions of the policy.

CERTIFICATE HOLDER

City of Galveston
823 Rosenberg Street
Galveston, TX 77550

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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EMBO

City of Galveston

FINANCE DEPARTMENT
STAFF REPORT

October 3, 2019

To: Brian Maxwell, City Manager
Hon. Mayor and City Council

From: Michael W. Loftin, Assistant City Manager - Finance

RE: Consider approving purchases of operational supplies using the contract with The Home Depot U.S.A., Inc. through the U.S. Communities purchasing cooperative. Estimated costs for products not to exceed Council approved budgets.

Background:

The City of Galveston is a member of the U.S. Communities cooperative purchasing program. It is co-sponsored by the National League of Cities, Nation Association of Counties, the United States Conference of Mayors, and the National Governors Association. The cooperative allows the city to utilize contracts that have been competitively procured in compliance with state purchasing requirements. Click the link to find out how this cooperative works: http://www.uscommunities.org/about/how-it-works/. Texas Government Code Section 791 authorizes local governments to contract, as much as possible, with other local governments and any agencies of the State of Texas.

The U.S. Communities purchasing cooperative is a National Institute of Government Purchasing (NIGP) accredited purchasing cooperative. The objective of a cooperative purchasing program is to provide a mechanism for local governments to pool their collective purchasing power. Purchasing cooperatives save money in two ways: the price of the product and/or in the administrative cost savings from advertising for a formal solicitation.

Currently:

The Home Depot has two contracts with U.S. Communities. They are contract numbers 170009-RFP and 16154-RFP. They provide paint and painting supplies and maintenance hardware supplies, respectively. Using The Home Depot gives employees another resource for seeking the best value for the City of Galveston, for supplies necessary to daily operations. The Home Depot maintains a store front in the City of Galveston with supplies readily available to employees.

Home Depot Contract Link:
https://www.omniapartners.com/publicsector/contracts/supplier-contracts/home-depot

Alternatives:

Approve using the cooperative purchasing contract through U.S. Communities for The Home Depot U.S.A., Inc.

Do not approve using the cooperative purchasing contract.

Issues:

Cost – Total estimated cost as provided for through budgets adopted by City Council and administered by the City Manager
Timing – Current Fiscal Year
Term – through September 30, 2020

Recommendation:

Approve using the cooperative contract with The Home Depot through the U.S. Communities purchasing cooperative.

Fiscal Impact Report:

Requested by:	Michael W. Loftin Assistant City Manager - Finance
Funding Source:	Various City Accounts
Estimated Total Costs:	As provided for through budgets adopted by City Council and administered by the City Manager

City of Galveston

FINANCE DEPARTMENT
STAFF REPORT

September 25, 2018

To: Brian Maxwell, City Manager
Hon. Mayor and City Council

From: Michael W. Loftin, Assistant City Manager - Finance

RE: Consider approving purchases of operational supplies using the contract with Amazon Services, LLC. Amazon Business through the U.S. Communities purchasing cooperative. Estimated costs for products not to exceed Council approved budgets.

Background:

The City of Galveston is a member of the U.S. Communities cooperative purchasing program. It is co-sponsored by the National League of Cities, Nation Association of Counties, the United States Conference of Mayors, and the National Governors Association. The cooperative allows the city to utilize contracts that have been competitively procured in compliance with state purchasing requirements. Click the link to find out how this cooperative works: http://www.uscommunities.org/about/how-it-works/. Texas Government Code Section 791 authorizes local governments to contract, as much as possible, with other local governments and any agencies of the State of Texas.

The U.S. Communities purchasing cooperative is a National Institute of Government Purchasing (NIGP) accredited purchasing cooperative. The objective of a cooperative purchasing program is to provide a mechanism for local governments to pool their collective purchasing power. Purchasing cooperatives save money in two ways: the price of the product and/or in the administrative cost savings from advertising for a formal solicitation.

Currently:

Amazon Services, LLC. Amazon Business has a contract with U.S. Communities. It is contract number R-TC-17006. They provide various operational supplies in the following categories: Office Supplies, Classroom, School, Art Supplies and Materials, Home Kitchen, Food, and Grocery, Books, Musical Instruments, Audio Visual and Electronics, Clothing, Higher Education Scientific Equipment and Lab Supplies, Animal Supplies, Equipment and Food, and other miscellaneous items. Using Amazon Business gives employees another resource for seeking the best value for the City of Galveston, for supplies necessary to daily operations. Amazon Business offers free Prime membership to its customers utilizing the U.S. Communities contract.

Website for contract documents:
http://www.uscommunities.org/suppliers/amazon-business/amazon-business-contract/

Alternatives:

Approve using the cooperative purchasing contract through U.S. Communities for Amazon Services, LLC. Amazon Business purchases.

Do not approve using the cooperative purchasing contract.

Issues:

Cost – Total estimated cost as provided for through budgets adopted by City Council and administered by the City Manager
Timing – Current Fiscal Year
Term – through September 30, 2020

Recommendation:

Approve using the cooperative contract with Amazon Services LLC Amazon Business through the U.S. Communities purchasing cooperative.

Fiscal Impact Report:

Requested by:	Michael W. Loftin Assistant City Manager - Finance
Funding Source:	Various City Accounts
Estimated Total Costs:	As provided for through budgets adopted by City Council and administered by the City Manager

Amazon Business Contract

Online Marketplace for the Purchases of Products and Services

Lead Agency:
Prince William County Public Schools, VA

Contract Number:
R-TC-17006

5 year initial term, January 19, 2017 – January 18, 2022
Option to renew for (3) additional (2) year periods

To view the Amazon Business RFP Response, please login for Supplier Documents and click on the Amazon Business link. If you do not have a login, register with U.S. Communities.

Contract Documents:

- Contract Amazon Business R-TC-17006 Final

RFP Documents:

- RFP R-TC-17006 Online Marketplace Final
- Addendum #1- T-TC-17006
- RFP Posting Documents
- RFP Posting Documents

Postings

Number of suppliers who responded to RFP: 12

Posting Information:	Date Posted:
U.S. Communities: Current Solicitations	Sept 14, 2016 – Oct 14, 2016
Onvia/DemandStar	Sept 14, 2016 – Oct 14, 2016
Prince William County Public Schools, VA	Sept 14, 2016 – Oct 14, 2016
Canadian MERX Public Tenders	Sept 14, 2016 – Oct 14, 2016
State of Hawaii and Oregon	Sept 14, 2016 – Oct 14, 2016
Oregon Association of Counties	Sept 14, 2016 – Oct 14, 2016

Solutions

BY SUPPLIER (show all ->)

BY CATEGORY

- Facilities
- Office & School
- Specialty
- Technology

Main Menu

JUMP TO:

- Solicitations
- About
- News & Events
- Resources
- Contact Us
- Shop
- Education Purchasing
- Government Purchasing
- Nonprofit
- Go Green Program

Innovation Exchange

U.S. COMMUNITIES | NATIONAL COOPERATIVE PURCHASING PROGRAM

Getting Started

- Program Overview
- How It Works
- FAQs

Why Use U.S. Communities

- What Makes Us Different
- Webinars & Events
- Supplier Commitments

Discounts on Brands

- Products & Suppliers
- Online Marketplace
- Solicitations

Over 55,000 agencies trust U.S.

- Who Uses U.S. Communities?
- Cooperative Standards
- State Statutes

CONTACT US BECOME A SUPPLIER ABOUT US LEGAL PRIVACY MICPA

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City of Galveston

FINANCE DEPARTMENT
STAFF REPORT

October 3, 2019

To: Brian Maxwell, City Manager
Hon. Mayor and City Council

From: Michael W. Loftin, Assistant City Manager - Finance

RE: Consider approving purchases of office supplies, technology items, furniture, and janitorial supplies using The Cooperative Purchasing Network's (TCPN) contract with Office Depot. Estimated costs for products not to exceed Council approved budgets.

Background:

The City of Galveston is a member of the TCPN cooperative purchasing program which allows the city to utilize contracts that have been competitively bid. The contracts were solicited and awarded by Region 4 Education Service Center in Houston, this allows the city to utilize contracts that have been competitively procured in compliance with state purchasing requirements. Click the link to find out how this cooperative works: http://www.nationalipa.org/Pages/whatdifferentiatesnipa.aspx. Texas Government Code Chapter 791 authorizes local governments to contract with each other and any agencies of the State of Texas.

The objective of a cooperative purchasing program is to provide a mechanism for local governments to pool their collective purchasing power. Purchasing cooperatives save money in two ways: the price of the product and/or in the administrative cost savings from advertising for a formal solicitation.

Currently:

The City of Galveston uses the contract with Office Depot to purchase operational supplies for administrative functions; pens, paper, tape, staples, and other office products. Using the TCPN cooperative purchasing contract gives the city volume discounted pricing; saving the City of Galveston money.

The city currently receives product within 24 hours of ordering and employees also have the option to visit the storefront in the City of Galveston, if there is a more immediate need for products.

Website for contract documents: https://www.omniapartners.com/publicsector/contracts/supplier-contracts/office-depot

The contract numbers and terms are as follows:
Contract #R190303 – Office Supplies – 7/1/19 through 5/31/2024
Contract #R142212 – Furniture and Installation – 7/1/19 through 5/31/2024
Contract #R160204 – Technology and Interactive Whiteboard Solutions – 7/1/2019 through 5/31/2024
Contract #R162102 – Janitorial Supplies, Equipment, Maintenance and Repair – 7/1/19 through 5/31/2024
Contract #R171404 – Managed Print Solutions – 7/1/2019 through 5/31/2024

Alternatives:
Approve using the cooperative purchasing contract through TCPN for Office Depot purchases.

Do not approve using the cooperative purchasing contract and bid office supplies through the Purchasing Department.

Issues:
Cost – Total estimated cost as provided for through budgets adopted by City Council and administered by the City Manager
Timing – Current Fiscal Year
Term – through September 30, 2020

Recommendation:
Approve using the cooperative contract with Office Depot through The Cooperative Purchasing Network (TCPN).

Fiscal Impact Report:

Requested by:	Michael W. Loftin Assistant City Manager - Finance
Funding Source:	Various City Accounts
Estimated Total Costs:	As provided for through budgets adopted by City Council and administered by the City Manager

City of Galveston

FINANCE DEPARTMENT
STAFF REPORT

October 3, 2019

To: Brian Maxwell, City Manager
Hon. Mayor and City Council

From: Michael W. Loftin, Assistant City Manager - Finance

RE: Consider approving purchases of operational supplies using the contract with Sam's Club through the Purchasing Association of Cooperative Entities (PACE) purchasing cooperative. Estimated costs for products not to exceed Council approved budgets.

Background:

The City of Galveston, upon City Council's approval, will be joining the Purchasing Association of Cooperative Entities (PACE) purchasing cooperative. It is managed by the Region 20 Education Service Center in San Antonio, Texas. The cooperative allows the city to utilize contracts that have been competitively procured in compliance with state purchasing requirements. Click the link to find out how this cooperative works: https://programs.esc20.net/upload/page/0078/docs/FAQs.pdf. Texas Government Code Section 791 authorizes local governments to contract, as much as possible, with other local governments and any agencies of the State of Texas.

PACE has the combined buying power of 1,042 public agencies nationwide. The objective of a cooperative purchasing program is to provide a mechanism for local governments to pool their collective purchasing power. Purchasing cooperatives save money in two ways: the price of the product and/or in the administrative cost savings from advertising for a formal solicitation.

Currently:

Sam's Club has a contract with the Purchasing Association of Cooperative Entities (PACE). It is contract number P00170. They provide various operational supplies such as grocery items, paper products, technology items, office products, and furniture. Using Sam's Club gives employees another resource for seeking the best value for the City of Galveston, for supplies necessary to daily operations.

Sam's Contract Link:

https://programs.esc20.net/page/pace.SamsClub

Alternatives:
Approve using the cooperative purchasing contract through PACE Sam's Club.

Do not approve using the cooperative purchasing contract.

Issues:
Cost – Total estimated cost as provided for through budgets adopted by City Council and administered by the City Manager
Timing – Current Fiscal Year
Term – through September 30, 2020

Recommendation:
Approve using the cooperative contract with Sam's Club through the Purchasing Association of Cooperative Entities (PACE) purchasing cooperative.

Fiscal Impact Report:

Requested by:	Michael W. Loftin Assistant City Manager - Finance
Funding Source:	Various City Accounts
Estimated Total Costs:	As provided for through budgets adopted by City Council and administered by the City Manager

City of Galveston

FINANCE DEPARTMENT
STAFF REPORT

October 3, 2019

To: Brian Maxwell, City Manager
Hon. Mayor and City Council

From: Michael W. Loftin, Assistant City Manager - Finance

RE: Consider approving purchases of maintenance, repair, safety and operational (MRO) supplies and related services using the contract with Grainger through The Cooperative Purchasing Network (TCPN/National IPA) purchasing cooperative. Estimated costs for products not to exceed Council approved budgets.

Background:

The City of Galveston is a member of the TCPN/National IPA cooperative purchasing program, using the Region 4 Education Service Center in Houston, Texas, this allows the city to utilize contracts that have been competitively procured in compliance with state purchasing requirements. Click the link to find out how this cooperative works: http://www.nationalipa.org/Pages/whatdifferentiatesnipa.aspx. Texas Government Code Section 791 authorizes local governments to contract, as much as possible, with other local governments and any agencies of the State of Texas.

The TCPN/Nation IPA purchasing cooperative has combined the buying power of 48,000 public entities, including school districts, municipalities, and counties. The objective of a cooperative purchasing program is to provide a mechanism for local governments to pool their collective purchasing power. Purchasing cooperatives save money in two ways: the price of the product and/or in the administrative cost savings from advertising for a formal solicitation.

Currently:

Grainger has a contract with The Cooperative Purchasing Network (TCPN). The contract numbers are 2018.000207, R192163, and R142102. They provide various maintenance, repair, safety, and operational (MRO) supplies and related services and offer discounts from their full catalogue pricing. Grainger is currently working with the City of Galveston on items related to hurricane preparedness to assist staff in preparing for an emergency and after the emergency.

The website for contract documents:
http://www.nationalipa.org/Pages/Contracts-search.aspx?k=grainger

Alternatives:

Approve using the cooperative purchasing contract through TCPN/National IPA for Grainger Company purchases.

Do not approve using the cooperative purchasing contract and bid MRO supplies through the Purchasing Department.

Issues:

Cost – Total estimated cost as provided for through budgets adopted by City Council and administered by the City Manager
Timing – Current Fiscal Year
Term – through September 30, 2020

Recommendation:

Approve using the cooperative contract with Grainger Company through the TCPN/National IPA purchasing cooperative.

Fiscal Impact Report:

Requested by:	Michael W. Loftin Assistant City Manager – Finance
Funding Source:	Various City Accounts
Estimated Total Costs:	As provided for through budgets adopted by City Council and administered by the City Manager

City of Galveston

FINANCE DEPARTMENT
STAFF REPORT

October 3, 2019

To: Brian Maxwell, City Manager
Hon. Mayor and City Council

From: Michael W. Loftin, Assistant City Manager - Finance

RE: Consider approving purchases of office and other operational supplies using the contract with Staples Contract and Commercial, Inc. through the BuyBoard purchasing cooperative. Estimated costs for products not to exceed Council approved budgets.

Background:
The City of Galveston is a member of the BuyBoard cooperative purchasing program, governed by the Texas Association of School Boards, this allows the city to utilize contracts that have been competitively procured in compliance with state purchasing requirements. Click the link to find out how this cooperative works: https://www.buyboard.com/Texas/About-Us/Member-FAQ.aspx. Texas Government Code Section 791 authorizes local governments to contract, as much as possible, with other local governments and any agencies of the State of Texas.

The BuyBoard purchasing cooperative is endorsed by the Texas Municipal League. The objective of a cooperative purchasing program is to provide a mechanism for local governments to pool their collective purchasing power. Purchasing cooperatives save money in two ways: the price of the product and/or in the administrative cost savings from advertising for a formal solicitation. The City of Galveston also receives member rebates in December from BuyBoard. The combined total of rebates received from BuyBoard for years 2012 through 2018 is $7,867.80.

Currently:
Staples Contract and Commercial, Inc. has a contract with BuyBoard. They are contract numbers 576-18, 584-19, 579-19, and 569-18. They provide various office supplies and other items at a discount from their full catalogue; discounts range from 40% to 68%. Using Staples gives employees another source, other than Office Depot, for supplies necessary to daily operations. Staples provides product delivery as soon as 24 hours after order completion.

Website for contract documents:
https://app.buyboard.com/Search/Index?SearchTerm=&VendorId=1853&DiscountProductId=-1&ContractId=652

Alternatives:

Approve using the cooperative purchasing contract through BuyBoard for Staples Contract and Commercial, Inc. purchases.

Do not approve using the cooperative purchasing contract and bid office supplies through the Purchasing Department.

Issues:

Cost – Total estimated cost as provided for through budgets adopted by City Council and administered by the City Manager
Timing – Current Fiscal Year
Term – through September 30, 2020

Recommendation:

Approve using the cooperative contract with Staples Contract and Commercial, Inc. through the BuyBoard purchasing cooperative.

Fiscal Impact Report:

Requested by:	Michael W. Loftin, Assistant City Manager - Finance
Funding Source:	Various City Accounts
Estimated Total Costs:	As provided for through budgets adopted by City Council and administered by the City Manager

October 3, 2019

To: Brian Maxwell, City Manager
Hon. Mayor and City Council

From: Michael W. Loftin, Assistant City Manager - Finance

RE: Consider approving purchases of maintenance, repair, and operational (MRO) supplies and related services using the contract with Fastenal Company through The Cooperative Purchasing Network (TCPN/National IPA) purchasing cooperative. Estimated costs for products not to exceed Council approved budgets.

Background:
The City of Galveston is a member of the TCPN/National IPA cooperative purchasing program, using the Region 4 Education Service Center in Houston, Texas, this allows the city to utilize contracts that have been competitively procured in compliance with state purchasing requirements. Click the link to find out how this cooperative works: http://www.nationalipa.org/Pages/whatdifferentiatesnipa.aspx. Texas Government Code Section 791 authorizes local governments to contract, as much as possible, with other local governments and any agencies of the State of Texas.

The TCPN/Nation IPA purchasing cooperative has combined the buying power of 48,000 public entities, including school districts, municipalities, and counties. The objective of a cooperative purchasing program is to provide a mechanism for local governments to pool their collective purchasing power. Purchasing cooperatives save money in two ways: the price of the product and/or in the administrative cost savings from advertising for a formal solicitation.

Currently:
Fastenal Company has a contract with The Cooperative Purchasing Network (TCPN). They are contract numbers 2018.000208 and R142101. They provide various maintenance, repair, and operational (MRO) supplies and related services and offer discounts from their full catalogue pricing. Fastenal, also, has a storefront in Galveston with products suited to the needs of employees for daily operations.

The website for contract documents:
https://www.omniapartners.com/publicsector/contract/supplier-contracts/fastenal

Alternatives:

Approve using the cooperative purchasing contract through TCPN/National IPA for Fastenal Company purchases.

Do not approve using the cooperative purchasing contract and bid MRO supplies through the Purchasing Department.

Issues:

Cost – Total estimated cost as provided for through budgets adopted by City Council and administered by the City Manager
Timing – Current Fiscal Year
Term – through September 30, 2020

Recommendation:

Approve using the cooperative contract with Fastenal Company through the TCPN/National IPA purchasing cooperative.

Fiscal Impact Report:

Requested by:	Michael W. Loftin Assistant City Manager - Finance
Funding Source:	Various City Accounts
Estimated Total Costs:	As provided for through budgets adopted by City Council and administered by the City Manager

October 3, 2019

To: Brian Maxwell, City Manager
Hon. Mayor and City Council

From: Michael W. Loftin – Assistant City Manager - Finance

RE: Consider approving purchases of building maintenance, repair, operations supplies and equipment using the contract with McCoy's Building Supply through the BuyBoard purchasing cooperative. Estimated costs for products not to exceed Council approved budgets.

Background:
The City of Galveston is a member of the BuyBoard cooperative purchasing program, governed by the Texas Association of School Boards, this allows the city to utilize contracts that have been competitively procured in compliance with state purchasing requirements. Click the link to find out how this cooperative works: https://www.buyboard.com/Texas/About-Us/Member-FAQ.aspx. Texas Government Code Section 791 authorizes local governments to contract, as much as possible, with other local governments and any agencies of the State of Texas.

The BuyBoard purchasing cooperative is endorsed by the Texas Municipal League. The objective of a cooperative purchasing program is to provide a mechanism for local governments to pool their collective purchasing power. Purchasing cooperatives save money in two ways: the price of the product and/or in the administrative cost savings from advertising for a formal solicitation. The City of Galveston also receives member rebates in December from BuyBoard. The combined total of rebates received from BuyBoard for years 2012 through 2018 is $7,867.80.

Currently:
McCoy's Building Supply has a contract with BuyBoard. It is contract number 577-18. They provide various building maintenance and operational supplies, including hardware and lumber. Discounts off of list price vary by items from .2% to 4.5%. Using McCoy's gives employees another source, other than Home Depot, for supplies necessary to daily operations. McCoy's maintains a store front in the City of Galveston with supplies readily available to employees.

Website for contract documents:
https://app.buyboard.com/Search/Index?SearchTerm=&VendorId=4223&DiscountProductId=-1&ContractId=739fdf

Alternatives:

Approve using the cooperative purchasing contract through BuyBoard for McCoy's Building Supply

Do not approve using the cooperative purchasing contract and bid office supplies through the Purchasing Department.

Issues:

Cost – Total estimated cost as provided for through budgets adopted by City Council and administered by the City Manager
Timing – Current Fiscal Year
Term – through September 30, 2020

Recommendation:

Approve using the cooperative contract with McCoy's Building Supply through the BuyBoard purchasing cooperative.

Fiscal Impact Report:

Requested by:	Michael W. Loftin Assistant City Manager - Finance
Funding Source:	Various City Accounts
Estimated Total Costs:	As provided for through budgets adopted by City Council and administered by the City Manager

DRAFT
MINUTES OF THE CITY COUNCIL OF THE CITY OF GALVESTON
SPECIAL MEETING - SEPTEMBER 12, 2019

9/12/2019 - Minutes

1. DECLARATION OF A QUORUM AND CALL MEETING TO ORDER
   With a quorum present, the meeting was called to order at 9:05 a.m.

2. ROLL CALL
   Present: Mayor James Yarbrough, Mayor Pro Tem Dr. Craig Brown, Council Member Amy Bly, Council Member David Collins, Council Member Jason Hardcastle, Council Member John Listowski, and Council Member Dr. Jackie Cole.

3. CONFLICTS OF INTEREST
   Mayor Yarbrough - Item 9A.

4. PRESENTATIONS/REPORTS OF COUNCIL, OFFICER BOARDS, AND CITY MANAGER

   4.A. Pursuant To Texas Government Code Section 551.0415, The City Council May Report On Any Of The Following Items:
   1. Expressions of thanks, gratitude, and condolences

   2. Information regarding holiday schedules

   3. Recognition of individuals

   A. Certificate of Recognition - Opal Lee - MPT Brown reported that Ms. Lee, a resident of Fort Worth and 92 years old, has undertaken a mission to make Juneteenth a national holiday. She is walking in many cities in the 46 states that recognize Juneteenth. She will be here in Galveston on September 14th for a two mile walk. He presented the Certificate in honor of Ms. Lee and all of her efforts in making Juneteenth a national holiday. She will be presented with a key to the City on September 14th.

   4. Reminders regarding City Council events

   5. Reminders regarding community events

   6. Health and safety announcement

5. PUBLIC HEARINGS

   5.A. Conduct A Public Hearing On The FY 2020 Proposed Budget.

   Consider for action an ordinance of the City of Galveston, Texas, adopting the annual governmental and proprietary funds budget for the fiscal year beginning October 1, 2019 and ending September 30, 2020; Making appropriations for city operations and capital projects for such fiscal year as reflected in such budget; Authorizing various other transfer; Approving and adopting the FY 2020 Capital Budget; Approving and adopting the budget of the Industrial Development Corporation, making various findings and provisions related to the subject and providing for an effective date. (M. Loftin)

   Ordinance No. 19-047 was read by caption. Assistant City Manager Mike Loftin provided staff comments. The public hearing was opened. Randall Rubenstein asked the Council to consider allocating funds for homeless needs. Motion was made by CM Bly, second by CM Collins, to approve the ordinance. Unanimously approved with a record vote. In favor: Yarbrough, Brown, Bly, Collins, Hardcastle, Listowski, and Cole.

5.A.1. Consider For Action A Motion Ratifying The Property Tax Increase Reflected In The FY 2020 Budget. (M. Loftin)
Motion was made by Mayor Yarbrough, second by MPT Brown, ratifying the property tax increase reflected in the FY 2020 Budget. Unanimously approved.

5.B. Conduct A Public Hearing On The Proposed Property Tax Rate For Tax Year 2019 And Fiscal Year 2020
Assistant City Manager Mike Loftin provided staff comments. The public hearing was opened; with no speakers the public hearing was closed.

5.C. Consider For Approval An Ordinance Of The City Of Galveston, Texas, Abandoning Property Adjacent To 10702 Schaper Drive And Adjacent Property To The West And South And Adjacent Properties Are Legally Described As The South 1115 Feet Of Lot 397 (397-3); And The North Portion Of Lot 398 (398-2); TRIMBLE AND LINDSEY, SECTION 1; AND LOTS 370-373, 388-395, 406, 408-415, 417, 426-430, 433-436, 448-450, 453, 470 AND PART OF LOTS 368, 369, 374, 375, 398, 399, 405 And Adjacent Right Of Way, Trimble And Lindsey, In The City And County Of Galveston, Texas; Planning Case Number 19P-043;Making Various Findings And Provisions Related To The Subject. (J. Norman)
Ordinance No. 19-048 was read by caption. Janice Norman and Kyle Hockersmith provided staff comments. The public hearing was opened. Property owner Lamson Nguyen spoke in favor of the abandonment. Sonny Broom spoke in favor so long as the drainage issues are addressed. The public hearing was closed. Motion was made by Dr. Cole, second by CM Hardcastle, to approve the ordinance. Unanimously approved.

6. PUBLIC COMMENT

Agenda Items - Fred Huddleston, Joyce Calver McLean, Doug McLean, Bill Fullen, Allen Flores, Laura Bourgeois, and Trey Click - Item 7D.

Non-Agenda Items - Sherri Zachary - taxi and wrecker ordinance, Randall Rubenstein - allocating tax dollars for the homeless problem.

7. ORDINANCES

7.A. Consider For Action An Ordinance Of The City Of Galveston, Texas, Approving And Adopting The Five-Year Capital Improvement Plan For FY 2020-2024; And Making Certain Findings And Containing Cerain Provisions Related To The Subject. (M. Loftin)
Ordinance No. 19-049 was read by caption. Motion was made by CM Collins, second by CM Listowski, to approve the ordinance with the caveat that staff looks at streets in District 6 based on elevation and the 1900 block of Avenue N. Unanimously approved.

7.B. Consider For Approval An Ordinance Authorizing The Issuance Of City Of Galveston, Texas Public Improvement Bonds, Series 2019; Levying A Tax In Payment Thereof; Providing For The Sale And Award Of Said Bonds In Accordance With Certain Parameters; Approving Certain Agreements Relating To The Bonds; And Enacting Other Provisions Relating Thereto. (M. Loftin)
Ordinance No. 19-046 was read by caption. Motion was made by CM Collins, second by MPT Brown, to approve the ordinance. Unanimously approved.

7.C. Consider For Approval An Ordinance Of The City Of Galveston, Texas, Amending Section 2-22 "Personnel Rules And Regulations" Of Chapter 2 "Administration" Of "The Code Of The City Of Galveston 1982, As Amended," By Making Changes To Chapter 26 "Sick Leave Pool"; Making Various Findings And Provisions Related To The Subject; And Providing For An Effective Date Of October 1, 2019. (K. Etienne)
Ordinance No. 19-050 was read by caption. Motion was made by CM Bly, second by CM Hardcastle, to approve the ordinance. Unanimously approved.

7.D. Consider For Approval An Ordinance Of The City Of Galveston, Texas, Amending "The Code Of The City Of Galveston 1982, As Amended", Chapter 23, "Nuisances", By Adding Article Vii. "Structures

Within The Strand/Mechanic Historic Area" To Provide For The Protection, Enhancement And Perpetuation Of The Strand/Mechanic Historic District's Architectural History; Making Various Findings And Provisions Related To The Subject; Providing For An Effective Date. (C. Gorman)
Ordinance No. 19-051 was read by caption. Motion was made by CM Collins, second by MPT Brown, to approve the ordinance.

8. CONSENT ITEMS

The following items shall be considered for action as a whole, unless one or more Council Members objects. The City Manager is authorized to execute all necessary documents upon final approval by the City Attorney.

Motion was made by CM Collins, second by CM Hardcastle, to approve Consent Items 8A through 8M. Unanimously approved.

8.A. Consider For Approval The City Auditor's Audit Plan For 2020 (G. Bulgherini)

8.B. Consider For Approval The Award Of RFP # 19-23 To BlueCross BlueShield Of Texas As The Third Party Administrator (TPA) For Employee Health Insurance Including Specific And Aggregate Stop Loss Coverage For A Period Not To Exceed Three Years Effective October 1, 2019. (K. Etienne)

8.C. Consider For Approval An Agreement With Boon-Chapman For Administrative Services Related To The Processing Of Run-Out Health Insurance Claims Through September 30, 2020, At A Cost Not To Exceed $45,000.00. (K. Eienne)

8.D. Consider For Approval The First Amendment To The Professional Services Agreement With Arthur J. Gallagher & Co. For Additional Consulting Work Related To The Transition Of Third-Party Administration For Employee Health Insurance From Boon-Chapman To BlueCross BlueShield Of Texas At A Cost Not To Exceed $45,000.00. (K. Etienne)

8.E. Consider A Motion Approving A One-Year Extension Of The Contract With Hutchinson Shockey Erley & Company For Financial Advisory Services. (M. Loftin)

8.F. Consider For Approval, Authorizing The City Manager To Execute The 2020 Texas Department Of Transportation, Routine Airport Maintenance Program (RAMP) Grant, Which Allows The Airport To Be Reimbursed Up To $50,000.00 In Eligible Airport Maintenance Expenses Upon Final Approval Of The City Attorney (M. Shahan).

8.G. Consider For Approval A Resolution Of The City Council Of The City Of Galveston, Texas, Authorizing The City Manager To Apply For A Texas Department Of Transportation, Aviation Division, Grant For An Airport Master Plan Update For Fiscal Year 2019; Authorizing The Texas Department Of Transportation As Agent For The City Of Galveston For The Purposes Of Applying For, Receiving, And Disbursing All Funds For These Improvements; Directing The City Manager To Execute All Necessary Documents Relating To The Grant; Directing The City Secretary To Send A Certified Copy Of The Resolution To The Texas Department Of Transportation; Providing For Findings Of Fact And Providing For An Effective Date Upon Final Approval By The City Attorney (M. Shahan).
Resolution No. 19-034

8.H. Consider For Approval The Authorization To Purchase Extended Support On Five (5) Power Edge Servers And Two (2) EqualLogic Storage Area Network (SAN) Array Devices From Dell Marketing Through State DIR Contract TSO-3763 For A Total Cost Of $33,683.21 (H. Dean)

8.I. Consider For Approval An Agreement With Avenu Insights And Analytics, LLC For The Upgrade Of The City's Financial & Human Resources System In An Amount Not To Exceed $75,000. (H. Dean)

8.J. Consider For Approval The Award A Four-Year Contract For The Lease And Maintenance Of Xerox Copiers And Printers (Multi-Function Devices) To Xerox Business Solutions In The Amount Of $125,000 Annually, Utilizing Choice Partners Cooperative Contract Number 17/026KH-10. (H.Dean)

8.K. Consider Approving The Allocation Of Funds For The Purchase Of Microsoft Windows Server Licenses Using Microsoft Volume Licensing Agreement Through Microsoft Authorized Reseller, SHI Government Solutions, Utilizing DIR-TSO-4092 Contract In An Amount Not To Exceed $88,542.12 For Three Years. (H.Dean)

8.L. Consider For Approval A Three-Year Contract, With An Option To Renew For Two (2) One-Year Extensions, With GPS Insight, Buy Board Vendor, To Provide Gps Units, And Other Vehicular Recording Products (I.D. Fobs, Cameras, Etc) And Installation Services For City Vehicles. Funding Source Is Various Department Other Contract Accounts. (C. DeWitt)

8.M. Receive And Accept The Updated Classification And Compensation Study Prepared By Public Sector Personnel Consultants. (K. Etienne)

9. ACTION ITEMS

9.A. Consider For Approval The Award Of RFP # 19-25 To The Standard Life Insurance Company For Employer-Funded Basic Life And Accidental Death And Disability (AD&D) Insurance For Eligible Employees With Guaranteed Rates For A Three-Year Period Effective October 1, 2019 Through September 30, 2022. (K. Etienne)
Motion was made by CM Hardcastle, second by CM Bly, to approve the award of RFP # 19-25 to the Standard Life Insurance Company. The motion passed 6-0; Mayor Yarbrough declared a conflict on this item and did not participate in the discussion or vote.

9.B. Consider For Approval Confirmation Of Charles Olsen As Interim Fire Chief As Appointed By The City Manager. (B. Maxwell)
Motion was made by Mayor Yarbrough, second by CM Hardcastle, to confirm the appointment of Charles Olsen as Interim Fire Chief. Unanimously approved.

10. WORKSHOP ITEMS (ROOM 204)

10.A. A Joint Workshop Between The Galveston City Council And The Park Board Of Trustees To Discuss A Draft Interlocal Agreement Between The City And The Park Board (Collins/Yarbrough - 1 Hour)
CM Collins and Park Board Chair Spencer Priest thanked City Manager Brian Maxwell and Park Board Executive Director Kelly de Shaun for their hard work and dedication on the Interlocal Agreement. Brian Maxwell provided an overview of the agreement. He reported on two sticking points they were left with which is how can the Park Board participate in the City's parks system and how can tourism pay for the residents use. He also reported that the Park Board will pay the City $200,000 this fiscal year, $250,000 in the next fiscal year, and the agreement will say $300,000 per year thereafter, all from non-beach user fee funds. The agreement includes a five year Capital Improvement Plan which will allow City Council to have a glimpse into the future and to start having input into the direction of tourism in Galveston. Once the City sets the direction, the Park Board has framework to start moving forward. The agreement also includes a clear delineation of City and Park Board responsibility of cleaning the beaches and the Seawall. CM Collins advised that management of Seawolf Park will remain at the Park Board. Discussion was held regarding providing amenities at Sunny Beach and Hershey Beach, creating a Master Plan for San Luis Pass, the Arts Master Plan, and the Polar Express being held at the Railroad Museum this year. The Interlocal Agreement will be placed on the October agenda for the City Council's consideration.

10.B. Interview Applicants For City Boards, Commissions, And Committees

Planning Commission - Lidya Bikova, Robert Brown, and Eugene Cook were interviewed by City Council.

Wharves Board, Lisa Blair, Robert Brown, Morten Lamoey, Richard Moore, Ted O'Rourke, Bill Rouse, and Todd Sullivan were interviewed by City Council.

10.C. Discussion Of The Closure Of TIRZ 12 And TIRZ 14 (Yarbrough - 30 Minutes)
Deferred.

10.D. Discuss A Diversity And Inclusion Plan To Increase Female Representation Throughout The City Of Galveston Workforce Focusing On Recruitment And Retention Of Females In The Fire Department, Police Department, Public Works, And Municipal Utilities. (K. Etienne - 15 Minutes)
Deferred.

10.E. Discussion Of Appointing A Common Board For The Galveston Island Redevelopment Authority, Galveston Housing Finance Corporation, And Galveston Property Finance Authority, And Discussion Of Future Administrative Support (Yarbrough - 30 Minutes)
Deferred.

11. EXECUTIVE SESSION
The City Council took a ten minute break at 12:50 p.m., convened in Executive Session at 1:10 p.m., and reconvened in Open Session at 2:15 p.m. No action was taken during Executive Session.

11.A. Pursuant To Texas Government Code Section 551.074, "Personnel Matters" To Deliberate The Appointment, Employment, Evaluation, Reassignment, Or Duties Of A Public Officer Or Employee.

11.A.1. Annual Review Of City Manager Brian Maxwell

12. ADJOURNMENT
The meeting was adjourned at 2:15 p.m.

DRAFT

Janelle Williams, City Secretary
Date Approved:

DRAFT
MINUTES OF THE CITY COUNCIL OF THE CITY OF GALVESTON
WORKSHOP - SEPTEMBER 19, 2019

9/19/2019 - Minutes

1. DECLARATION OF A QUORUM AND CALL MEETING TO ORDER
   With a quorum present, the workshop was called to order at 9:04 a.m.

2. ROLL CALL

   Present: Mayor James Yarbrough, Mayor Pro Tem Dr. Craig Brown, Council Member Amy Bly, Council Member David Collins, Council Member John Listowski, and Council Member Dr. Jackie Cole.

   Absent: Council Member Jason Hardcastle.

3. DISCUSSION ITEMS

   3.A. Clarification Of Consent And Regular City Council Agenda Items - This Is An Opportunity For City Council To Ask Questions Of Staff On Consent And Regular Agenda Items. (30 Minutes)
   Items 11A, 11H, 11I, 11J, 12A, 12B, and 12C were clarified by Staff.

   3.B. Interview Applicants For City Boards, Commissions, And Committees:
   Joy Cowan was interviewed for a position on the Wharves Board.

   3.C. Discussion Of An Ordinance Of The City Of Galveston, Texas Amending Chapter 34, "Traffic" By Amending Article XI, "Valet Parking" To Clarify And Provide Modifications To Better Comply With Regulations Related To Valet Parking In The City Of Galveston; Making; Making Various Findings And Provisions Related To The Subject; Providing For An Effective Date. (C. Gorman - 15 Minutes)
   Assistant City Attorney Donna Fairweather and Assistant Director of Development Services Catherine Gorman presented proposed amendments to the Valet Parking Ordinance to Council. Discussion was held regarding temporary permits, revocation, and appeals. This item is on today's regular meeting agenda for the Council's consideration.

   3.D. Discussion Of The Closure Of TIRZ 12 And TIRZ 14 (Yarbrough - 30 Minutes)
   Assistant City Manager Mike Loftin provided background information on the TIRZ zones. The proposal to close TIRZ 12 and 14 is to the financial benefit of both the City and the County. Taxable property value expected to become part of tax rolls as prior year value in tax year 2020 and will not become part of the growth counted against the new 3.5 percent limit. The County would gain $200,000 annually, and the City gains more flexibility in future use of property tax revenues. The net present value from closing both TIRZ's is (1) the County gains $3.2 million, and (2) the City loses $5.7 million for current funding arrangement plus responsibility for payment of TIRZ 14 debt but restores flexibility of $13 million in property tax revenue, three fourths of which goes back into the General Fund. Discussion was held regarding impacts to the Airport as a result of the closure of TIRZ 14. The October City Council agenda will include a Resolution directing the RDA to start the process to close the TIRZ's, and the December agenda will include an Ordinance for the City Council to close the TIRZ's.

   3.E. Discussion Of Structural Changes To The Galveston Island Redevelopment Authority And/Or Its Board Of Directors (Yarbrough - 30 Minutes)
   Mayor Yarbrough outlined the following proposals related to structural changes to the RDA: (1) to do nothing and keep the RDA as is; (2) to consolidate the RDA, Galveston Housing Finance Corporation, and Galveston Property Finance Corporation; and (3) to consolidate the RDA with the IDC. Discussion was held regarding proposal #2 being the best option for the City,

whether the RDA is needed, interfacing with the CDC, and defining the mission for the boards moving forward. The City Attorney will bring back information on duties of the RDA, Galveston Housing Finance Corporation, and Galveston Property Finance Corporation. The City Council will have further discission on this item at a future workshop.

3.F. Discuss A Diversity And Inclusion Plan To Increase Female Representation Throughout The City Of Galveston Workforce Focusing On Recruitment And Retention Of Females In The Fire Department, Police Department, Public Works, And Municipal Utilities. (K. Etienne - 15 Minutes)
Human Resources Director Kent Etienne provided information on a diversity and inclusion initiative. The initiative includes increasing female representation in targeted areas, partnering with Public Safety agencies to appeal to a diverse applicant pool, launching diverse digital marketing strategy, increasing awareness and training of unconscious bias, monitoring applicant tracking system and candidate selection to ensure success of the program, and adjusting as necessary. The HR Director will monitor the program at least quarterly and will report to the City Council annually.

4. ADJOURNMENT
The workshop was adjourned at 11:20 a.m.

Janelle Williams, City Secretary
Date Approved:

DRAFT

DRAFT
MINUTES OF THE CITY COUNCIL OF THE CITY OF GALVESTON
REGULAR MEETING - SEPTEMBER 19, 2019

9/19/2019 - Minutes

1. DECLARATION OF A QUORUM AND CALL MEETING TO ORDER
   With a quorum present, the meeting was called to order at 1:15 p.m.

2. ROLL CALL

   Present: Mayor James Yarbrough, Mayor Pro Tem Dr. Craig Brown, Council Member Amy Bly, Council Member David Collins, Council Member John Listowski, and Council Member Dr. Jackie Cole.

   Absent: Council Member Jason Hardcastle.

3. INVOCATION
   The Invocation was given by Rev. Stephen Payne of Holy Family Parish.

4. PLEDGE OF ALLEGIANCE
   The Pledge of Allegiance to the American Flag and Texas Flag were led by Mayor Yarbrough.

5. CONFLICTS OF INTEREST

6. PRESENTATIONS/REPORTS OF COUNCIL, OFFICER BOARDS, AND CITY MANAGER

   6.A. Pursuant To Texas Government Code Section 551.0415, The City Council May Report On Any Of The Following Items:

   1. Expressions of thanks, gratitude, and condolences

   2. Information regarding holiday schedules

   3. Recognition of individuals
      - **A. Catholic Daughters of America Sunday Proclamation - presented by CM Bly.**
      - **B. Diaper Awareness Week Proclamation - presented by MPT Brown.**
      - **C. Constitution Week Proclamation - deferred.**
      - **D. Galveston Ed Fest for All Day - presented by Dr. Cole.**

   4. Reminders regarding City Council events

   5. Reminders regarding community events

   6. Health and safety announcement

7. COMMUNICATIONS AND PETITIONS
   Claims: 19-072 - Vivian Garcia; 19-073 - Lucia Spak; 19-074 - Becky Wilson; 19-075 - AT&T Southwestern Bell; 19-076 - Texas Gas Service; 19-077 - Teyo Gutierrez.

8. PUBLIC HEARINGS

   8.A. Consider For Approval An Ordinance Of The City Of Galveston, Texas Amending The 2015 Galveston Land Development Regulations, By Amending Article 5: "Section 5.109, Signs In Central Business (Cb), Urban Neighborhood (UN), Neighborhood Services (NS), And Traditional (TN) Districts"; To Add And Clarify The Signage Allotments In The Urban Neighborhood Zoning District (Table 5.109), And To

Clarify Location And Size Of Name Plates; Planning Case Number 19ZA-004; Making Various Findings And Provisions Related To The Subject. (C. Gorman)
Ordinance No. 19-052 was read by caption. Catherine Gorman provided staff comments.The public hearing was opened; with no speakers the public hearing was closed. Motion was made by MPT Brown, second by CM Collins, to approve the ordinance. Unanimously approved by those present.

8.B. Consider For Approval An Ordinance Of The City Of Galveston, Texas, Designating The Property Located At 1107 Church / Avenue F, As A "Galveston Landmark", Property Is Legally Described As M. B. Menard Survey, Lot 5, Block 371, In The City And County Of Galveston, Texas; Requesting The Historic Preservation Officer Record The Property's Landmark Designation In The Official Public Records Of Real Property In Galveston County, The Tax Records Of The City Of Galveston And The Central Appraisal District, And The Official Zoning Maps Of The City Of Galveston, Texas; Planning Case Number 19P-046; Making Various Findings And Provisions Related To The Subject. (C. Gorman)
Motion was made by Mayor Yarbrough, second by CM Collins, to defer the ordinance. Unanimously approved by those present.

8.C. Consider For Approval An Ordinance Of The City Of Galveston, Texas, Designating The Property Located At 2012 Avenue N 1/2 And Legally Described As The M.B. Menard Survey, West 16-5 Feet Of Lot 10 & East One-Half Of Lot 11 (10-1), Northwest Block 44, Galveston Outlots, In The City And County Of Galveston, Texas As A Historically Or Archeological Significant Site In Need Of Tax Relief To Encourage Its Preservation; Granting A Substantial Rehabilitation For Historic Property Tax Exemption; Designating The City Manager To Execute Those Documents Necessary To Implement The Tax Incentive Program; Planning Case Number 19LC-047; Making Various Findings And Provisions Related To The Subject. (D. Lunsford)
Ordinance No. 19-053 was ready by caption. Daniel Lunsford provided staff comments. The public hearing was opened; with no speakers the public hearing was closed. Motion was made by CM Collins, second by CM Bly, to approve the ordinance. The motion passed 5-0; MPT Brown declared a conflict on this item and did not participate in the discussion or vote.

9. PUBLIC COMMENT

10. ORDINANCES (NOT REQUIRING PUBLIC HEARINGS)

10.A. Consider For Approval An Ordinance Of The City Of Galveston, Texas Levying Ad Valorem Taxes For Tax Year 2019 In The Amount Of 57 Cents And 9.885 Mills ($0.579885) Upon Each One Hundred Dollars ($100.00) Of Property Valuation For The Tax Year 2019; Making Various Findings And Provisions Related To The Subject. (M. Loftin)
Ordinance No. 19-054 was read by caption. Motion was made by Mayor Yarbrough, second by CM Bly, that the property tax rate be increased by the adoption of a tax rate of .579885 cents which is effectively a 7.63% increase in the tax rate. Unanimously approved by those present with a record vote. Yes: Yarbrough, Brown, Bly, Collins, Listowski, and Cole. Absent: Hardcastle.

10.B. Consider For Approval An Ordinance Of The City Of Galveston, Texas Amending Chapter 34, "Traffic" By Amending Article XI, "Valet Parking" To Clarify And Provide Modifications To Better Comply With Regulations Related To Valet Parking In The City Of Galveston; Making; Making Various Findings And Provisions Related To The Subject; Providing For An Effective Date. (C. Gorman)
Ordinance No. 19-055 was read by caption. Motion was made by CM Listowski, second by CM Collins, to approve the ordinance. Unanimously approved by those present.

11. CONSENT ITEMS

The following items shall be considered for action as a whole, unless one or more Council Members objects. The City Manager is authorized to execute all necessary documents upon final approval by the City Attorney.

Motion was made by CM Collins, second by CM Listowski, to approve Consent Items 11A and 11C through 11S. Unanimously approved by those present.

11.A. Consider For Approval A Resolution Of The City Council Of The City Of Galveston, Texas Approving And Authorizing The City To Withdraw From The Galveston County Transit District; Providing For Findings Of Fact And Providing For An Effective Date. (R. Beverlin)
Resolution No. 19-035

11.B. Consider For Approval A Resolution Of The City Council Of The City Of Galveston, Texas, Submitting The Names Of Five (5) Nominees Or Less For Election To The Galveston Central Appraisal District Board Of Directors; Directing The City Secretary To Send A Certified Copy Of This Resolution To The Galveston Central Appraisal District; Providing For Findings Of Fact And Providing For An Effective Date. (Yarbrough)
Motion was made by Mayor Yarbrough, second by CM Collins, to approve Resolution No. 19-036 and nominating Tommy Farmer to the Galveston Central Appraisal District Board of Directors. Unanimously approved by those present.

11.C. Consider For Approval A Resolution Of The City Council Of The City Of Galveston, Texas Supporting The Application Of A Boating Access Grant From The Texas Parks And Wildlife Department For City Property Located At 2326 Skymaster Road; Providing For Findings Of Fact And Providing For An Effective Date. (B. Sanderson)
Resolution No. 19-037

11.D. Consider For Approval Of The Low Responsive Bidder (BID #19-008) Angel Brothers Enterprises, LTD, For The Seawall Boulevard Mill And Overlay Project From Boddeker Road To SH87 (Ferry Road) In The Amount Of $981,629.00. Authorizing The City Manager To Execute All Necessary Documents Upon Final Approval By The City Attorney. (D. Anderson)

11.E. Consider For Approval Of The Low Responsive Bidder (BID #19-010) Main Lane Industries, LTD, For The City Of Galveston Downtown Pedestrian Transit Improvements Project In The Amount Of $897,240.00 (Base Bid Plus Alternates One Through Four). Authorizing The City Manager To Execute All Necessary Documents Upon Final Approval By The City Attorney. (D. Anderson)

11.F. Consider For Approval Allowing Public Works To Purchase The Listed Furnishings For The Public Works Facility. Authorizing The City Manager To Execute All Necessary Documents Upon Final Approval By The City Attorney. (D. Anderson)

11.G. Consider For Approval Change Order #3 To The Contract With J. W. Kelso Company, Inc., For The City Of Galveston Public Works Facility Project, Increasing The Contract By $29,936.00 From The Amount Of $10,691,972.20 To The Amount Of $10,721,908.20. Authorizing The City Manager To Execute All Necessary Documents Upon Final Approval By The City Attorney. (D. Anderson)

11.H. Consider For Approval Change Order No. 3 To The Contract With Ardent Construction LLC, For The 30th Street Water & Electric Light Station Rehabilitation Project Increasing The Contract By $28,033.00 From The Amount Of $2,982,147.51 To A New Total Amount Of $3,010,180.51. Authorizing The City Manager To Execute All Necessary Documents Upon Final Approval By The City Attorney. (D. Anderson)

11.I. Consider For Approval Of Change Order No. 17 To The Contract With Cardinal Contractors, Inc., For The New 59th Street Pump Station Project, Decreasing The Contract By $71,758.00 To A New Total Amount Of $17,973,348.69 And Extending The Contract Term By 28 Calendar Days. Authorizing The City Manager To Execute All Necessary Documents Upon Final Approval By The City Attorney. (D. Anderson)

11.J. Consider For Approval Of Change Order No. 2 To The Contract With Main Lane Industries, Ltd., For The Harborside Drive From 51st Street To 2nd Street Project, Increasing The Contract By $126,007.99 From The Amount Of $2,003,806.85 To A New Total Amount Of $2,129,814.84. Authorizing The City Manager

To Execute All Necessary Documents Upon Final Approval By The City Attorney. (D. Anderson)

11.K. Consider For Approval Of A Contract With Gulf Star Roofing And Sheetmetal For The City Garage Re-Roof Project (RFP #19-26) In The Amount Of $340,500.00 For The Base Bid And Alternate #1, (Estimated Total Cost Not To Exceed $ 357,500.00). Authorizing The City Manager To Execute All Necessary Documents Upon Final Approval By The City Attorney. (C. Kenworthy)

11.L. Consider For Approval A Contract Between The City Of Galveston And FlixBus Inc. For Bus Transit Services (R. Beverlin)

11.M. Consider For Approval The Renewal Of The City's Utility Management Solution Technical Support And Maintenance Agreement For $31,053. (H. Dean)

11.N. Consider For Approval A Contract Between The City Of Galveston And WebQA For Software Subscription Costs For GovQA FOIA Applications, The City's Management System For Public Information Requests. The Contract Is For A Three-Year Period With Two Optional One-Year Renewals. The Cost Is $9,860.00 Annually. The Funding Source Is The Records Management Line Item. (J. Williams)

11.O. Consider For Approval An Agreement Appointing Judge Schweitzer To Be The Judge Of The Municipal Court Of The City Of Galveston For A Two-Year Term.

11.P. Consider For Approval Minutes Of The August 8, 2019 Special Meeting, And The August 22, 2019 Workshop And Regular Meeting. (J. Williams)

11.Q. Receive And File The Following Documents:

11.R. Consider For Approval A Resolution Of The City Council Of The City Of Galveston, Texas, Authorizing The City To Accept A $41,588.34 Step Comprehensive Grant From The Texas Department Of Transportation For Traffic And Dwi Enforcement During Fiscal Year 2020; Directing The City Manager To Execute All Necessary Documents Relating To The Grant. (V. Hale)
Resolution No. 19-038

11.S. Consider For Approval A Resolution Of The City Council Of The City Of Galveston, Texas, Supporting The Galveston County Auto Crimes Task Force And Authorizing The City Manager And Chief Of Police To Execute All Necessary Documents For Submitting A Grant Application For State Assistance; Providing For Findings Of Fact And Providing For An Effective Date. (V. Hale)
Resolution No. 19-039

12. ACTION ITEMS

12.A. Discuss And Consider An Amendment To The Employment Agreement Between The City Of Galveston And City Manager Brian Maxwell; Authorizing The Mayor To Execute The Agreement Upon Final Approval By The City Attorney. (Yarbrough)
Motion was made by Mayor Yarbrough, second by MPT Brown, to approve an amendment to the Employment Agreement with a salary increase to $236,138 annually, and increasing the severance from 6 months to 12 months. Unanimously approved by those present.

12.B. Consider For Action A Motion To Remove Tom Schwenk From The Landmark Commission For Failure To Attend Seventy Five Percent Of The Landmark Commission Meetings Within A Twelve Month Period As Required By Galveston City Code Sec. 2-164.
Motion was made by Mayor Yarbrough, second by CM Collins, to remove Tom Schwenk from the Landmark Commission. Unanimously approved by those present.

12.C. Discuss And Consider Appointments To The Following City Boards, Commissions, And Committees:

Motion was made by Mayor Yarbrough, second by MPT Brown, to approve the nominations

below. Unanimously approved by those present.

Mayoral - Parks and Recreation Advisory Board - reappointment of Rose Tijerina

District 2 - Tree Committee - reappointment of Erin Brucia

District 3 - Finance, Fiscal Affairs and Investment Committee - appointment of Gene Hornstein

District 4 - Airport Advisory Committee - reappointment of Nigel Gusdorf

District 5 - Parks and Recreation Advisory Board - reappointment of Marlee Williams

District 6 - Parks and Recreation Advisory Board - reappointment of Dyann Polzin

City Manager - Civil Service Commission - reappointment of Januse Konikowski

Animal Services Advisory Board - Motion was made by Mayor Yarbrough, second by MPT Brown, to reappoint Joel Caldwell and Caroline Pate, and to appoint Kyle Knupple and Kathy Bouvier. In order to stagger terms, even positions expire in 2021 and odd positions expire in 2022.Unanimously approved by those present.

Arts & Historic Preservation Advisory Board - Motion was made by CM Collins, second by MPT Brown, to defer the appointments. Unanimously approved by those present.

Building Board of Adjustments and Appeals - Motion was made by Mayor Yarbrough, second by CM Collins, to reappoint John McNatt (moving to Position 3), Pete Nanos, Tony Scofelia, and Paul Lopez. In order to stagger terms, positions 1-3 expire in 2020, positions 4-6 expire in 2021, and position 7 and alternates expire in 2022. Unanimously approved by those present.

Families, Children and Youth Board - Motion was made by CM Bly, second by MPT Brown, to appoint Jeff Johnson to Position 2, and to reappoint Position 3 - Connie Rickets, Position 4 - Taylor Adams, Position 6 - Angela Gordon, Position 11 - June Pullium, Position 12 - Karen Stanley, and Position 19 - D. J. Termini. Unanimously approved by those present.

Landmark Commission - Motion was made by CM Collins to reappoint Joann Griffin and Doug McLean, and to appoint Stephanie Lang to the Alternate 2 Position. Unanimously approved by those present.

Police Pension Board - Motion was made by Mayor Yarbrough, second by CM Listowski, to appoint Richard Moore and Hal Rockhind. Unanimously approved by those present.

Galveston Wharves Board/Galveston Port Facilities Corporation - Motion was made by Mayor Yarbrough, second by MPT Brown, to reappoint Ted O'Rourke. Unanimously approved by those present.

Galveston Wharves Board/Galveston Port Facilities Corporation - Motion was made by Mayor Yarbrough, second by CM Listowski, to reappoint Todd Sullivan. The motion passed 5-0; Dr. Cole abstained from the vote.

Planning Commission - Motion was made by Mayor Yarbrough, to reappoint Eugene Cook and to appoint Robert Brown to Position 7. Unanimously approved by those present.

13. ADJOURNMENT

The meeting was adjourned at 2:20 p.m.

Janelle Williams, City Secretary
Date Approved:

DRAFT

City of Galveston

James Yarbrough, Mayor
jyarbrough@galvestontx.gov| 409.797.3510

September 24, 2019

Betty Massey
621 21st Street #304
Galveston, Texas 77550

Dear Betty:

Thank you for agreeing to serve on the Galveston Housing Authority Board of Directors. As you are aware, this board and its mission are very important to our community.

This letter will serve as your official notice of appointment to the GHA Board. Your appointment is for an unexpired term ending June 30, 2020.

Enclosed you will find a Statement of Appointed Officer Form to be completed and returned to the City Secretary's Office.

The City Council and I wish to thank you for your willingness to serve our wonderful community.

Should I be able to assist you or the Board please call.

Sincerely,

James D. Yarbrough
Mayor

GALVESTON COUNTY 9-1-1 EMS FIRE POLICE

GALVESTON COUNTY EMERGENCY COMMUNICATION DISTRICT

1353 FM 646 West, Suite 101 • Dickinson, TX 77539
(409) 935-3911 • FAX (281) 534-8437

Serving Galveston County and the Cities of:
Bayou Vista, Clear Lake Shores, Dickinson, Galveston, Hitchcock, Jamaica Beach, Kemah, La Marque, Santa Fe, Texas City, Tiki Island

September 23, 2019

Mayor Jim Yarbrough
City of Galveston
P O Box 779
Galveston, TX 77553

Dear Mayor Yarbrough,

Enclosed you will find a copy of the proposed FY 2020 budget for the Galveston County Emergency Communication District. This budget is for the operation of the Enhanced 9-1-1 system as well as the Regional Trunked Radio System. This budget was approved at the Board meeting held September 17, 2019. The enclosed copy is for your records.

In accordance with state law, the budget process for the District is to allow for a ministerial review by the participating jurisdictions' governing bodies with comments provided before final adoption by the District. We are soliciting input before final adoption. The jurisdictions are requested to provide comments in writing to the District office so the Board can review them before considering adoption of the budget. This process will make it unnecessary for Cities to take action to approve the budget.

We encourage your jurisdiction's input. As always, the District endeavors to provide emergency communications deserving of the occupants of Galveston County.

Respectfully,

Jack Wilkins
Executive Director

JW/ksl

Enclosure: Copy of Proposed FY 2020 Budget

Galveston County Emergency Communication District

PROPOSED

ANNUAL BUDGET

FY 2020

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Mission Statement

The Galveston County Emergency Communication District is a world class provider of enhanced 9-1-1 service dedicated to providing and improving a reliable emergency communication network to the citizens of Galveston County linking the person(s) in need to the responder(s) providing assistance.

The District provides state of the art emergency service radio communications, enhanced 9-1-1 telecommunication service, data base maintenance, call-taker education, public education, and is dedicated to maintaining an educated staff in order to keep pace with the fast paced technical advancements which bring about continued changes to the service.

Vision Statement

The Galveston County Emergency Communication District board, staff and supporting jurisdictions and agencies are the pathway to the future of emergency communications for Galveston County and are committed to maintaining Galveston County in the forefront of the field of emergency communications.

This vision is accomplished through:

partnerships with valued associates;

a process of continued improvements;

a commitment to quality; and

A commitment to reliable emergency communications.

OPERATING HIGHLIGHTS

The Galveston County Emergency Communication District is a special district established under State Law and authorized by the voters of Galveston County in 1987. The District's primary purpose is to establish and maintain Enhanced 9-1-1 service for the participating jurisdictions of Galveston County. An appointed Board of Managers consisting of five voting members and one advisory member, governs the District. The District administrative offices are located at 1353 FM 646 Rd W Suite 101, League City, Texas.

In addition to Emergency 9-1-1 service, the District also owns, maintains and manages a Regional Trunked Radio System (RTRS) serving emergency and public works services of the participating jurisdictions. The radio system has been in service since August of 1999. There is an annual subscriber fee that is paid by the radios system users that fund the daily operation and maintenance of the radio system. Over 4,500 radios have been programmed and are active on the RTRS. The District integrated with the Harris County Regional Radio System in 2006.

LOOKING AHEAD

The current 9-1-1 equipment has been in place at the eight Public Safety Answering Points (PSAPs) since 2014. The equipment is due for a hardware refresh in the very near future. The next evolution for 9-1-1 is referred to as Next Generation 9-1-1 (NextGen 9-1-1). This is very similar to other technologies that have migrated from an analog infrastructure to a digital / IP based protocol. As a part of this migration, the District implemented text to 9-1-1 approximately two years ago. Historically, you could only call 9-1-1 with either wireline or wireless phones. That is no longer the case. There are applications on smart phones, tablets, and computers that provide this same access along with supplemental data, such as enhanced location, medical history, and in the near future, video. The 9-1-1 community has to accommodate the automated emergency notification services for vehicles, along with smart jewelry that can access the PSAPs.

Over 85% of the 9-1-1 calls received by PSAPs are from wireless devices. The wireless carriers, along with the handset manufacturers and software providers, continue to work with the FCC and the 9-1-1 community to improve this critical location element within a 9-1-1 call. In the legacy 9-1-1 world, the location technology was based on civic addressing such as 1234 Main Street. In the next generation of 9-1-1, the addressing will be based on x, y coordinates and soon to include the z axis (altitude). The Galveston County Central Appraisal District continues to provide a valuable service to the District by updating the electronic map used in the PSAPs.

The District continues to ensure that the radio system is a robust and dependable resource for both the public safety and local government users. Post Harvey, a second layer of the radio system is being programmed into all of the radios in the event there is a major failure in the primary layer. As the user community needs to replace their radio equipment, the District encourages them to ensure that the radios are equipped with TDMA capability which doubles the capacity of the existing infrastructure.

The District continues to work daily to successfully bring reliable state-of-the-art emergency telecommunications and radio communications to Galveston County.

This documentation is provided to present a general overview of the operations of the Galveston County Emergency Communication District. The information is provided to allow the participating jurisdictions the opportunity to provide feedback to the Board of Managers before adoption of the final budget.

Jack Wilkins
Executive Director

Board Members

C. T. "Tommy" Anderson, Board Chair
33 years, Galveston County Firefighters Association

J. L. Campbell, Vice Chair
9 years, Galveston County Commissioners Court

Charlie Everts
9 years, Galveston County Mayors and Councilmembers Association

Louis Decker
15 years, Galveston County Mayors and Councilmembers Association

Paul Hopkins, Jr.
6 years, Galveston County Commissioners Court

Non-Voting Member
Vacant at this time
AT&T

Staff Members

Jack R. Wilkins	Executive Director	23 years
David S. Brinkley	Operations Technician	20 years
Shiela K. Hunt	Administrative Manager	19 years
Tim Campbell	Data Comm Specialist	9 years
Kristin Leary	Administrative Assistant	5 years

Budget Summary –

	2020 Budget	2019 Budget	$ difference	% of change
RTRS Subscriber Fees	$ 427,428.00	$ 416,964.00	$ 10,464.00	2.51%
9-1-1 Fees	$ 1,902,638.00	$ 1,445,784.00	$ 456,854.00	31.60%
Misc Revenue	$ 100.00	$ 100.00	$ -	0.00%
Interest Income	$ 51,950.00	$ 45,000.00	$ 6,950.00	15.44%
Total Cash Receipts	$ 2,382,116.00	$ 1,906,448.00	$ 475,668.00	24.95%
9-1-1 Network/Database Services	$ 135,000.00	$ 145,000.00	$ (10,000.00)	-6.90%
Wireless 9-1-1	$ 24,500.00	$ 24,500.00	$ -	0.00%
Private Switch	$ 420.00	$ 420.00	$ -	0.00%
PSAP Maintenance	$ 11,725.00	$ 21,100.00	$ (9,375.00)	-44.43%
9-1-1 Equipment Maintenance Contracts	$ 171,000.00	$ 221,637.00	$ (50,637.00)	-22.85%
Personnel Expenses	$ 734,349.00	$ 674,776.00	$ 59,573.00	8.83%
Office Supplies & Equipment	$ 10,000.00	$ 10,000.00	$ -	0.00%
Postage	$ 700.00	$ 750.00	$ (50.00)	-6.67%
Office Utilities	$ 24,000.00	$ 31,833.00	$ (7,833.00)	-24.61%
RTRS Utilities	$ 44,700.00	$ 55,500.00	$ (10,800.00)	-19.46%
Board Development	$ 30,000.00	$ 30,000.00	$ -	0.00%
Staff Development	$ 20,200.00	$ 20,200.00	$ -	0.00%
Seminar Registration-Board	$ 6,000.00	$ 6,000.00	$ -	0.00%
Seminar Registration-Staff	$ 7,680.00	$ 6,300.00	$ 1,380.00	21.90%
Regional/State Business Meeting	$ 16,650.00	$ 15,150.00	$ 1,500.00	9.90%
Insurance	$ 115,000.00	$ 115,785.00	$ (785.00)	-0.68%
Professional Memberships & Services	$ 42,000.00	$ 40,985.00	$ 1,015.00	2.48%
Pub Info & Ed and Dispatcher Recog.	$ 15,000.00	$ 15,000.00	$ -	0.00%
Communications	$ 10,000.00	$ 10,000.00	$ -	0.00%
Training Library & Seminars for Dispatcher	$ 1,000.00	$ 1,000.00	$ -	0.00%
Vehicle Allowance & Maintenance	$ 18,340.00	$ 18,340.00	$ -	0.00%
RTRS Facilities & Equip. Maintenance	$ 190,700.00	$ 202,035.00	$ (11,335.00)	-5.61%
RTRS & Operational Contingency	$ 10,000.00	$ 10,000.00	$ -	0.00%
Tower Rent / RTRS	$ 27,672.00	$ 27,672.00	$ -	0.00%
Sinking Fund for 9-1-1 Equip	$ 500,000.00	$ -	$ 500,000.00	
Total Disbursements	$ 2,166,636.00	$ 1,703,983.00	$ 462,653.00	27.15%
Net Increase/Decrease in Cash	$ 215,480.00	$ 202,465.00	$ 13,015.00	6.43%

Notes to Financial Statements

Below are some details of each line item in our budget.

INCOME ACCOUNTS

RTRS Subscriber Fees

A User Fee is based on a radio unit count for users with interlocal agreements for operation on the Regional Trunked Radio System. This budgeted amount is based on approximately 4,527 radios expected to be on the system in the year 2019 at a monthly rate of $7.50 for participating Governmental radios and $10.00 for Non-Governmental radios and $9.00 for non-participating Government.

9-1-1 Fees:

Wireline Fees

Local telephone companies operating in the Districts service area collect revenues. The incumbent telephone companies are ATT, Verizon and Cameron. The fee schedule is as follows:

$1.00 per month on residential service

$4.00 per month on business service

$5.00 per month on trunks

Also included is revenue collected from Competitive Local Exchange Carriers (CLECs) that operate in the District's service area. These phone companies charge the same rate as the three Incumbent Telephone Companies. There are approximately 40 CLEC's operating within Galveston County. VOIP providers also offer service to consumers in our service area. This proposed budget does reflect a change in the rates. If a VOIP provider cannot determine if their customers are business or residential, they should pay the $.50 VOIP Nomadic fee.

Wireless Fees

The District receives monies passed through from the State of Texas for wireless phone service. The wireless carriers collect $0.50 per phone, per month. The wireless per unit rate is set by the Texas Legislature. This money is sent to the State and divided among the 9-1-1 Districts, Council of Governments and Home Rule Cities according to population totals. This proposed budget does not reflect a change in the rate (Set by Legislature).

Private Switch

The District currently has one private switch agreement. This agreement is with the Texas A&M campus on Pelican Island.

Interest Income:

Interest Income - Operating

This is an estimate of the income derived from interest on the funds on deposit in our Demand Deposit Account and any TexPool funds.

Interest Income - Certificates

This is an estimate of the income derived from interest on the funds held in Certificates of Deposits.

EXPENSE ACCOUNTS

9-1-1 Network /Database Services

The three Incumbent Local Exchange Carriers, ATT, Verizon and Cameron phone companies, as well as Time Warner cable, charge the District for the network and database management. Currently, the District uses ATT for database services.

Wireless 9-1-1

The District currently receives Phase I & II data from all wireless carriers in Galveston County. Phase I provides Automatic Number Identification (ANI) for wireless phones. Phase II provides the location of the caller.

Private Switch

This is the cost related to the maintaining of the private switch at Texas A & M. This is an incumbent telephone company charge.

PSAP Maintenance

There are costs associated with the eight Dispatch Centers within our service area that fall within the District's budget. This may include the moving of the 9-1-1 equipment in a scheduled or an unscheduled event. This category does cover events at the PSAP that the District has no control over, such as remodels or moves to new facilities. This also covers the maintenance and spare parts to the 4.9 MHz wireless network that we use as a back up to the Comcast network. This wireless network will carry 9-1-1 traffic in the event of a failure in the Comcast network.

CPE Equipment Maintenance

This is for the Maintenance agreement with ATT covering the equipment installed at each of the PSAP's. This includes the equipment that is used to answer 9-1-1 calls as well as the network and routers. This also includes the software and firmware updates to the 9-1-1 software.

Personnel Expenses

This includes direct costs associated with five District full-time employees and one retiree. These costs include salary, health insurance, disability insurance, payroll taxes, employer contributions to the TCDRS and deferred compensation programs as well as the cost of living adjustment and the merit pool. Calculations are based on the application of the salary plan as approved by the Board.

Office Supplies and Equipment

General expendable supplies used for daily operation of the District office are expensed from this category. This also includes new furniture and equipment as well as regular maintenance of the equipment, including such items as the copy machine, computers and other office equipment. This also includes software used in the District office.

Postage

Mailing costs for all correspondence.

Office Utilities

The agreement with the County of Galveston for office facilities located at 1353 FM 646 Rd W, Suite 101, Dickinson, Texas. The monthly amount is based on the estimated utility expenses for our portion of the building expenses.

RTRS Utilities

This covers electricity to run the tower sites as well as communication circuits between the sites and the control equipment. This also covers the propane that is needed for the RTRS generators.

Board Development

The District budgets for each voting Board member and Board Attorney to attend two national conferences.

Staff Development

The District budgets for staff members to attend primarily national conferences and special purpose national training sessions.

Seminar Registration – Board

This covers the registration fees for national conferences for Board members.

Seminar Registration – Staff

This covers the registration fees for primarily national conferences and special purpose national training sessions for Staff members.

Regional/State Business Meeting

Regional and State meetings are typically HGAC, LOG (Galveston, Harris and Montgomery Counties), Texas Chapter National Emergency Number Association, Texas APCO, Texas Emergency Management, State 9-1-1 Commission, PUC, the Texas 9-1-1 Alliance.

Insurance

The District has insurance coverage for fire, windstorm, flood, theft, general liabilities, auto, employment practices and workers compensation as well as coverage on equipment and liability coverage at the tower sites.

Professional Memberships and Services

Some of the District employees are members of National Emergency Number Association (NENA), Association of Public Safety Communications Officials (APCO), and Motorola Trunked User Group (MTUG). Monthly accounting services, an annual audit, monthly legal representation and participation in the Texas 9-1-1 Alliance are all included in professional services.

Public Information and Education and Dispatcher Recognition

This is primarily for promotional items that are purchased and then furnished to the public education units of Police, Fire and EMS services for their programs. In addition, the District hosts an annual appreciation event for the Galveston County dispatchers/telecommunicators in September of each year.

Communications

This includes the Administrative office telephone cost, webpage and internet access. This also includes wireless communications.

Training Library and Seminars for Dispatchers

The District pays for PSAP employees to attend various seminars per year.

Vehicle Allowance and Mileage Reimbursement

The District owns one vehicle. District employees are asked to use personal automobiles for District business when the District owned vehicle is in use. Designated employees will receive a vehicle allowance which is intended to cover the cost of the personal vehicle, including insurance, maintenance, repairs, fuel, etc. Mileage reimbursement is based on the IRS mileage rate. This also covers fuel and maintenance on the District owned vehicle.

RTRS Facilities and Equipment Maintenance

This covers the maintenance needed to keep the tower sites operational. Each RTRS tower site has a generator. The District contracts for generator service & inspections. Each RTRS tower site also has a UPS system that is covered under a maintenance agreement. We have a maintenance agreement with Harris County that covers the majority of the infrastructure at the tower sites. This also includes air conditioning repairs and labor for repairs not covered under the maintenance agreements. RTRS transmission lines and antennas are not covered by maintenance contracts.

RTRS and Operational Contingency

Every effort is made to accurately reflect our expenses in the current budget, however this account will cover any non-budgeted expense items. If the budgeted amount is not used, it will be contributed to the reserve fund.

Tower Rent / RTRS

The District leases one tower at Ginger Rd.

Capital Additions

There are no expected capital additions planned for 2020.

Sinking Fund for 9-1-1 Equipment

The District will need to begin replacing 9-1-1 equipment. Current quotes are for $1,000,000 to upgrade all equipment.

Fee Schedule for Galveston County Emergency Communication District

For each wireless phone (cell phones) (as set by State Legislature)	$ .50 per month
For each residential wireline phone (based on 3% of the adjusted base rate of the major service provider, ATT)	$ 1.00 per month
For each business wireline	$ 4.00 per month
For each wireline trunk	$ 5.00 per month
For each Nomadic VOIP access number	$ .50 per month
For each Non-Nomadic VOIP residential number	$ 1.00 per month
For each Non-Nomadic VOIP business number	$ 4.00 per month
For each participating Governmental radio on the RTRS system	$ 7.50 per month
For each Non-Governmental radio on the RTRS system	$ 10.00 per month
For each Non-Participating Galveston County Municipal Radio on the RTRS system	$ 9.00 per month

Contact Information

If you have any questions about Galveston County Emergency Communication District or about this proposed budget, please feel free to contact us.

Jack Wilkins, Executive Director	Shiela Hunt, Administrative Manager
jackw@galco911.org	shielah@galco911.org
409-771-6226	409-771-9971

Company Information

Galveston County Emergency Communication District
1353 FM 646 Rd W, Suite 101
Dickinson, Texas 77539
409-935-3911
fax 281-534-8437

DECLARATION OF A LOCAL STATE OF DISASTER

WHEREAS, the City of Galveston on the 20th day of September, 2019 is facing the imminent threat of widespread or severe damage, injury, and loss of life and property, resulting from Tropical Storm Imelda, and

WHEREAS, the Mayor of the City of Galveston has determined that extraordinary measures must be taken to alleviate the suffering of people and to protect or rehabilitate property; and

WHEREAS, the Texas Disaster Act of 1975, as amended, codified as Chapter 418 of the Texas Government Code, authorizes the presiding officer of a political subdivision to declare a local state of disaster.

NOW, THEREFORE, BE IT PROCLAIMED BY THE MAYOR JAMES YARBROUGH, OF THE CITY OF GALVESTON, TEXAS:

1. That a local state of disaster is hereby declared for the City of Galveston pursuant to Chapter 418 of the Texas Government Code.

2. Pursuant to Chapter 418 of the Government Code, the local state of disaster shall continue for a period of not more than seven (7) days from the date of this declaration unless continued or renewed by the Mayor of the City of Galveston.

3. Pursuant to Chapter 418 of the Government Code, this declaration of local state of disaster shall be given prompt and general publicity and shall be filed promptly with the City Secretary.

4. Pursuant to Chapter 418 of the Government Code, this declaration of a local state of disaster activates the emergency management plan.

5. This Declaration activates the recovery and rehabilitation aspects

of all applicable local or interjurisdictional emergency management plans and authorizes the furnishing of aid and assistance;

6. That this proclamation shall take effect immediately from and after its issuance.

ORDERED this 20th day of September, 2019.

JAMES D. YARBROUGH, MAYOR
CITY OF GALVESTON

I, Janelle Williams, Secretary of the City Council of the City of Galveston, do hereby certify that the foregoing is a true and correct copy of the Declaration of local state of disaster ordered by the Mayor of the City of Galveston on the 20th day of September, 2019, as the same appears in records of this office.

IN TESTIMONY WHEREOF, I subscribe my name hereto officially under the corporate seal of the City of Galveston in this the 20th Day of September 2019.

JANELLE WILLIAMS
SECRETARY FOR THE CITY COUNCIL
OF THE CITY OF GALVESTON

CITY OF GALVESTON ★ 1839 ★

Approved as to form:

DONALD S. GLYWASKY
CITY ATTORNEY

ORDER REMOVING COMPETITIVE BIDDING
REQUIREMENTS AND PROCEDURES
EFFECTIVE SEPTEMBER 20, 2019
BY THE MAYOR OF GALVESTON

WHEREAS, the City of Galveston, Texas, on September 20, 2019 has declared a local state of emergency pursuant to Section 418.108 of the Texas Disaster Act of 1975; and, TROPICAL STORM IMELDA which occurred on September 18 and 19, 2019; and

WHEREAS, the Mayor of the City of Galveston, Texas, deems it in the public interest to remove requirements pertaining to purchasing and competitive bidding procedures during the declared state of emergency.

NOW THEREFORE, I, MAYOR OF THE CITY OF GALVESTON, HEREBY FIND AND ORDER:

SECTION 1. That the findings and recitations set out in the preamble to this ORDER are found to be true and correct and they are hereby adopted by the Mayor and made a part hereof for all purposes.

SECTION 2. That the requirements pertaining to purchasing and competitive bidding by and for the City of Galveston, Texas, during the declared state of emergency are hereby removed; provided, however, that insofar as practical City staff shall solicit and procure bids, quotations, or estimates of material, labor, and other costs for purchases, goods, works, and the like before entering into contracts or purchases and that such contracts or purchases shall be awarded to the bidder whose bid is in the best interests of the City as determined by City Manager, or designee. The City Manager shall notify the City Council of all such contracts and purchases at its next regularly schedule meetings and Council shall ratify such contracts and purchases.

SECTION 3. That pursuant to Section 5150 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, in the expenditure of Federal Funds for debris clearance, distribution of supplies, reconstruction, and other major disaster or emergency assistance activities that may be carried out by contract or agreement with private organizations, firms, or individuals, preference shall be given, to the extent feasible and practical, to those organizations, firms, and individuals residing or doing business primarily in the affected area.

SECTION 4. That, in accordance with the Texas Disaster Act, this ORDER shall take effect immediately at 9:10 a.m. on this the 20th day of September 2019.

SO DECLARED AND ORDERED this the 20th day of September, 2019.

JAMES D. YARBROUGH, MAYOR
CITY OF GALVESTON

I, Janelle Williams, Secretary of the City Council of the City of Galveston, do hereby certify that the foregoing is a true and correct copy of the Declaration of local state of disaster ordered by the Mayor of the City of Galveston on the 20th day of September, 2019, as the same appears in records of this office.

IN TESTIMONY WHEREOF, I subscribe my name hereto officially under the corporate seal of the City of Galveston in this the 20th Day of September 2019.

JANELLE WILLIAMS
SECRETARY FOR THE CITY COUNCIL
OF THE CITY OF GALVESTON

CITY OF GALVESTON ★ 1839 ★

Approved as to form:

DONALD S. GLYWASKY Mehran Jadidi
CITY ATTORNEY

TDEM
THE TEXAS A&M UNIVERSITY SYSTEM

September 17, 2019

Mr. Brian Maxwell
City Manager, City of Galveston
PO Box 779
Galveston, Texas 77553-0779
Bmaxwell@galveston.tx.gov

RE: Sub-Grant Award

Dear Mr. Maxwell:

The Texas Division of Emergency Management (TDEM) has issued a sub-grant for the Hazard Mitigation Grant Program (HMGP), DR-4332, Hurricane Harvey. The following is the information related to this award:

Sub-Recipient Information:

DUNS Number: 020819694
TINS Number: 74-6000905
FIPS Number: 167-28068-00

Award Information:

Catalog of Federal Domestic Assistance: 97-039
FEMA Project Number: 4332-0024
Project Title: City of Galveston 14th Street Drainage Improvement, Phase I
Period of Performance (POP): August 30, 2019 to August 30, 2020

Version	Date	Total Subgrant Amount	Federal Cost Share Percentage	Federal Cost Share Amount	Local Cost Share Percentage	Local Cost Share Amount
0	8/30/2019	$2,660,512	75%	$1,995,284	25%	$665,128

Please Note: This award is not for research or development as defined in 2 Code of Federal Regulations (C.F.R.) § 200.87.

The approved Scope of Work (SOW) is below and the terms and conditions of this award are attached. It is important that the sub-recipient read, understand and comply with the SOW and all terms and conditions. It is also vital that this information be

disseminated to sub-recipient's staff and contractors involved in work related to this project.

1. Revised Scope of Work (SOW) and work schedule for Phase II Construction.
2. Revised Budget Estimate.
3. Benefit Cost Analysis (BCA) zip file based on the Hydraulic and Hydrologic (H&H) Study with supporting documents.
    a. H&H Study with Calculations.
    b. Complete Set of signed and sealed Construction Plans (100%).
4. Environmental Assessment (EA)
    a. If the United States Army Corps of Engineers (USACE) prepares an EA for its permit of the project, there is an opportunity for FEMA to adopt that EA and a separate EA won't be required.
5. Principles Requirements and Guidelines (PRG) Analysis
    a. Can be incorporated into the EA if one is prepared.
6. United States Army Corps of Engineers Permit.
7. State Historic Preservation Office (SHPO) Response for Phase II Scope of Work.

In accordance with FEMA Instruction 108-1-1 and DHS Instruction 023-01-001-01; Categorically Excluded (CATEX) A7, FEMA concludes that the above mentioned project is categorically excluded from the National Environmental Policy Act (NEPA) requirement to prepare further environmental documentation. No extraordinary conditions in accordance with DHS Instruction 023-01-001-01 exist involving this project.

Signing and returning this award letter indicates sub-recipient's acceptance of the scope of work of the sub-award, the ability to pay the local cost share and all grant terms and conditions outlined in the attached documents.

The sub-recipient must ensure that:

1. The initial quarterly progress report for the project is submitted at the end of the approving quarter. Please include the project number (provided above) in your future quarterly reports. Note that 44 C.F.R. § 206.438(c) indicates the State must provide a quarterly progress report to FEMA indicating the status and completion date for each project funded. The report must include any problems or circumstances affecting completion dates, SOW, or project cost that may result in non-compliance with the approved grant conditions.

2. In accordance with HMGP rules and policy, TDEM requires the submittal of all closeout documentation within 90-days of the project completion not to exceed the POP. The Governor's Authorized Representative (GAR) "shall certify that reported costs were incurred in the performance of eligible work, that the approved work was completed and that the mitigation measure is in compliance with the provisions of the FEMA-State Agreement" in accordance with 44 C.F.R. § 206.438(d).

If changes are needed to the SOW for the sub-award, period of performance or costs associated to the sub-award, the sub-recipient should immediately contact TDEM. No change to the sub-award will be considered approved until the sub-recipient is notified in writing by TDEM.

This signed and dated award letter must be returned to TDEM before payment on the sub-award can be processed. Please sign, date, and return this award letter acknowledging acceptance of this sub-award and agreement to abide by all terms and conditions to the address below:

Texas Division of Emergency Management
1033 La Posada, Suite 150
Austin, TX 78752

Brian Maxwell

10/8/13
Date

Should you wish to appeal any determination related to this sub-award you must do so within 60 days of receipt of the notice of the action. You will need to provide your appeal with any documentation supporting your position to your assigned TDEM project officer within the allotted time.

If you have any questions please contact your Grant Coordinator, Charles Reagan, at (512) 940-6785 or Charles.Reagan@tdem.texas.gov.

Respectfully,

Nim Kidd, CEM®, TEM®
Chief, Texas Division of Emergency Management

NK/al
ATTACHMENTS: Grant Terms and Conditions
Record of Environmental Considerations
EHP Phase I Considerations

cc: Tesa Wrobleski, City of Galveston twrobleski@galvestontx.gov

GRANT TERMS AND CONDITIONS

This Grant Agreement (consisting of these terms and conditions and all exhibits) is made and entered into by and between the Texas Division of Emergency Management (TDEM), an agency of the State of Texas, hereinafter referred to as " TDEM," and the grant recipient, City of Galveston, hereinafter referred to as the "Subrecipient." Furthermore, TDEM and the Subrecipient are collectively hereinafter referred to as the "Parties." All subawards made under this grant agreement are subject to the same terms and conditions below.

Subrecipient may not assign or transfer any interest in this Grant without the express, prior written consent of TDEM and DHS/FEMA.

a. The term Recipient and pass-through entity have the same meaning as "Grantee," as used in governing statutes, regulations, and DHS/FEMA guidance.

b. A Recipient is also a "non-federal entity" for grants administration purposes.

c. A Subrecipient is also known as a "Subgrantee" as used in governing statutes regulations and DHS/ FEMA guidance.

d. A Subrecipient is also a "non-federal entity" for grants administration purposes.

e. The "Grant" referred to in this agreement is a subgrant to the Subrecipient passed thru from TDEM to the Subrecipient.

f. Certifying Official will be the Mayor, Judge, or Executive Director authorized to execute these grant terms and conditions, and to submit changes of Subrecipient Agents.

f. Projects and any subsequent versions for those projects accepted by the Subrecipient and subsequently obligated or deobligated by DHS/FEMA are considered subawards to this grant agreement.

A. **Standard of Performance**. Subrecipient shall perform all activities as approved by TDEM. Any change to a project shall receive prior written approval by TDEM and, if required, by FEMA. Subrecipient shall perform all activities in accordance with all terms, provisions and requirements set forth in this Grant, including but not limited to the following Exhibits:
   1. Assurances – Non-Construction Programs, hereinafter referred to as "Exhibit A"
   2. Assurances – Construction Programs, hereinafter referred to as "Exhibit B"
   3. Certifications for Grant Agreements, hereinafter referred to as "Exhibit C"
   4. State of Texas Assurances, hereinafter referred to as "Exhibit D"
   5. Environmental Review Certification, hereinafter referred to as "Exhibit E"
   6. Additional Grant Conditions, hereinafter referred to as "Exhibit F"
   7. Additional Grant Certifications, hereinafter referred to as "Exhibit G"
   8. Request for Information and Documentation referred to as "Exhibit H"

B. **Failure to Perform**. In the event Subrecipient fails to implement and complete the project(s) approved and awarded, or comply with any provision of this Grant, Subrecipient shall be liable to TDEM for an amount not to exceed the award amount of this Grant and may be barred from applying for or receiving additional DHS/FEMA grant program funds

or any other grant program funds administered by TDEM until repayment to TDEM is made and any other compliance or audit finding is satisfactorily resolved, in addition to any other remedy specified in this Grant. Failure to timely implement and complete projects may reduce future funding in additional DHS/FEMA and/or other grant programs administered by TDEM.

C. **Funding Obligations**. TDEM shall not be liable to Subrecipient for any costs incurred by Subrecipient that are not allowable costs.
   1. Notwithstanding any other provision of this Grant, the total of all payments and other obligations incurred by TDEM under this Grant shall not exceed the total cumulative award amounts listed on the Subawards (projects and subsequent versions).
   2. Subrecipient shall contribute the match funds listed on the subaward.

   Subrecipient shall refund to TDEM any sum of these Grant funds that has been determined by TDEM or DHS/FEMA to be an overpayment to Subrecipient or that TDEM determines has not been spent by Subrecipient in accordance with this Grant. No refund payment(s) shall be made from local, state or federal Grant funds unless repayment with Grant funds is specifically permitted by statute or regulation. Subrecipient shall make such refund to TDEM within thirty (30) calendar days after TDEM requests such refund

D. **Performance Period**. The performance period for this Grant is listed on the subaward letter for each project. **All projects shall be completed within the performance period AND all reimbursement requests shall be submitted to TDEM within 60 days of the end of the performance period.** Subrecipient shall have expended all Grant funds and submitted reimbursement requests, invoices and any supporting documentation to TDEM within 60 days of the end of the performance period. TDEM shall not be obligated to reimburse expenses incurred after the performance period or submitted after the deadline.

E. **Uniform Administrative Requirements, Cost Principals and Audit Requirements**. Except as specifically modified by law or this Grant, Subrecipient shall administer this Grant through compliance with the most recent version of all applicable laws and regulations, including but not limited to DHS program legislation, Federal awarding agency regulations, and the terms and conditions of this Grant. A non-exclusive list is provided below [not all may apply in every projects]:
   - Public Law 93-288, as amended (Stafford Act)
   - 44 CFR, Emergency Management and Assistance
   - Disaster Mitigation Act of 2000
   - OMB Regulations 2 CFR, Grant and Agreements
   - Executive Order 11988, Floodplain Management
   - Executive Order 11990, Protection of Wetlands
   - Executive Order 12372, Intergovernmental Review of Programs and Activities
   - Executive Order 12549, Debarment and Suspension
   - Executive Order 12612, Federalism
   - Executive Order 12699, Seismic Design
   - Executive Order 12898, Environmental Justice
   - Coastal Barrier Resources Act, Public Law 97-348
   - Single Audit Act, Public Law 98-502
   - Sandy Recovery Improvement Act publications

- 16 U.S.C. § 470, National Historic Preservation Act
- 16 U.S.C. § 1531, Endangered Species Act References
- FEMA program publications, guidance and policies

F. **State Requirements for Grants**. Subrecipient shall comply with all other federal, state, and local laws and regulations applicable to this Grant including but not limited to the laws and the regulations promulgated in Texas Government Code, Chapter 783, Uniform Grant and Contract Management, (UGMS) at:
http://www.window.state.tx.us/procurement/catrad/ugms.pdf
and the program State Administrative Plan, available at:
https://grants.tdem.texas.gov
Subrecipient shall, in addition to the assurances and certifications, comply and require each of its subcontractors employed in the completion of the project to comply with all applicable statutes, regulations, executive orders, OMB circulars, terms and conditions of this Grant and the approved application.

Grant funds may not be awarded to or expended by any entity which performs political polling. This prohibition does not apply to a poll conducted by an academic institution as part of the institution's academic mission that is not conducted for the benefit of a particular candidate or party.

Grant funds may not be expended by a unit of local government unless the following limitations and reporting requirements are satisfied:

1. Texas General Appropriations Act, Art. IX, Parts 2 and 3, except there is no requirement for increased salaries for local government employees;
2. Texas Government Code Sections 556.004, 556.005, and 556.006, which prohibits using any money or vehicle to support the candidacy of any person for office, influencing positively or negatively the payment, loan, or gift to a person or political organization for a political purpose, and using Grant funds to influence the passage or defeat of legislation including not assisting with the funding of a lobbyist, or using Grant funds to pay dues to an organization with a registered lobbyist;
3. Texas Government Code Sections 2113.012 and 2113.101, which prohibits using Grant funds to compensate any employee who uses alcoholic beverages on active duty and Subrecipient may not use Grant funds to purchase an alcoholic beverage and may not pay or reimburse any travel expense for an alcoholic beverage;
4. Texas General Appropriations Act, Art. IX, Section 6.13, which requires Subrecipient to make every effort to attain key performance target levels associated with this Grant, including performance milestones, milestone time frames, and related performance reporting requirements; and
5. General Appropriations Act, Art. IX, Sections 7.01 and 7.02, and Texas Government Code §2102.0091, which requires that this Grant may only be expended if Subrecipient timely completes and files its reports.

G. **Restrictions and General Conditions**.

1. Use of Funds. DHS/FEMA Grant funds may only be used for the purposes set forth in this Grant, and shall be consistent with the statutory authority for this Grant. Grant funds may not be used for matching funds for other Federal grants/cooperative agreements, lobbying, or intervention in Federal regulatory or adjudicatory proceedings. In addition,

Federal funds may not be used to sue the Federal government or any other government entity.

2. Federal Employee Prohibition. Federal employees are prohibited directly benefiting from any funds under this Grant.
3. Points of Contacts. Within 10 calendar days of any change, Subrecipient shall notify TDEM of any change in designated of Subrecipient Agents as submitted during the execution of this agreement, and any subsequent changes submitted by Subrecipient. In the event a Subrecipient hires a consultant to assist them with managing its Public Assistance grants, they must be listed on the Designated Subrecipient Agent Form. TDEM will direct all correspondence to the Subrecipient but will cc: the consultant on all email exchanges. The Subrecipient will be responsible for sharing written communications with the consultant. The Subrecipient will remain the primary point of contact and must be included in all decision making activities.
4. DUNS Number. Subrecipient confirms its Data Universal Numbering Systems (DUNS) Number is accurate and is registered on Sams.gov. The DUNS Number is the nine digit number established and assigned by Dun and Bradstreet, Inc., at 866/705-5711 or http://fedgov.dnb.com/webform
5. Central Contractor Registration and Universal Identifier Requirements. Subrecipient maintains that it has registered on the System for Award Management (SAM) at www.sam.gov or other federally established site for contractor registration, and entered TDEM-required information. Subrecipient shall keep current, and then review and update the information at least annually. Subrecipient shall keep information current in the SAM database until the later of when it submits this Grant's final financial report or receives final Grant award payment. Subrecipient agrees that it shall not make any subaward agreement or contract related to this Grant without first obtaining the vendor/subawardee's mandatory DUNS number. See Section §200.32 of OMB 2 C.F.R.
6. Reporting Total Compensation of Subrecipient Executives. 2 C.F.R. §200.331; see FEMA Information Bulletin 350.
   a. Applicability and what to report: Subrecipient shall report whether Subrecipient received $25 million or more in Federal procurement contracts or financial assistance subject to the Transparency Act per 2 C.F.R. §200.331. Subrecipient shall report whether 80% or more of Subrecipient's annual gross revenues were from Federal procurement contracts or Federal financial assistance. If Subrecipient answers "yes" to both questions, Subrecipient shall report, along with Subrecipient's DUNS number, the names and total compensation (see 17 C.F.R. §229.402(c)(2)) for each of Subrecipient's five most highly compensated executives for the preceding completed fiscal year.
   b. Where and when to report: Subrecipient shall report executive total compensation at www.sam.gov or other federally established replacement site. By signing this Grant, Subrecipient certifies that, if required, Subrecipient's jurisdiction has already registered, entered the required information, and shall keep information in the SAM database current, and update the information at least annually for each year until the later of when the jurisdiction submits its final financial report or receives final payment. Subrecipient agrees that it shall not make any subaward agreement or contract without first obtaining the subawardee's mandatory DUNS number.
7. Debarment and Suspension. Subrecipient shall comply with Executive Order 12549 and 12689, which provide protection against waste, fraud, and abuse by debarring or

suspending those persons deemed irresponsible in their dealings with the Federal government.

8. Direct Deposit. A completed direct deposit form from Subrecipient shall be provided to TDEM, prior to receiving any payments under the provisions of this grant. The direct deposit form is currently available at grants.tdem.texas.gov under Resources/Public Assistance.
9. Property Management and Inventory. Subrecipient shall maintain property/inventory records which, at minimum, shall include a description of the property, a serial number or other identification number, the source of property, who holds title, the acquisition date, the cost of the property, the percentage of Federal participation in the cost of the property, the location, use and condition of the property, and any ultimate disposition data including the date of disposal and sale price of the property Subrecipient shall develop and implement a control system to prevent loss, damage or theft of property and Subrecipient shall investigate and document any loss, damage or theft of property funded under this Grant.
10. Site Visits. DHS/FEMA and/or TDEM, through its authorized representatives, have the right at all reasonable times to make site visits to review project accomplishments and management control systems and to provide such technical assistance as may be required. If any site visit is made by DHS/FEMA on the premises of Subrecipient or a contractor under this Grant, Subrecipient shall provide and shall require its contractors to provide all reasonable facilities and assistance for the safety and convenience of the government representatives in the performance of their duties. All site visits and evaluations shall be performed in such a manner that will not unduly delay the work.

H. **Procurement and Contracting**.

1. Procurements. Subrecipient shall comply with all applicable federal, state, and local laws and requirements, including but not limited to proper competitive solicitation processes where required, for any procurement which utilizes federal funds awarded under this Grant in accordance with 2 C.F.R. 200. 318-326 and Appendix II to Part 200 (A-C) and (E-J)
2. Contract Provisions. All contracts executed using funds awarded under this Grant shall contain the contract provisions listed under 2 C.F.R. 200.326 and Appendix II (A), Uniform Administrative Requirements for Grants and Cooperative Agreements to State and Local Governments.
3. Procurement activities must follow the most restrictive of Federal, State and Local procurement regulations:
    a. Procurement by micro purchase
    b. Procurement by small purchase
    c. Procurement by sealed bid
    d. Procurement by competitive proposal
    e. Procurement by non-competitive proposal, solely when the award of a contract is unfeasible under the other methods

    The State must be contacted for approval to use a noncompetitive procurement method. Failure to follow eligible procurement methods will result in ineligible costs. Other types of agreements for services must have State approval prior to use or execution. A copy of the local procurement policy must be provided to the State before initial payment.

The **cost plus a percentage of cost** and **percentage of construction** cost methods of contracting **are ineligible**.

Must perform **cost/price analysis** for every procurement action in excess of the Simplified Acquisition Threshold.

Must negotiate profit as a separate element where required.

4. Evidence of non-debarment for vendors must be documented through http://www.sam.gov/portal/public/SAM and http://www.window.state.tx.us/procurement/prog/vendor_performance/debarred/ and submitted for review.
5. Comply with rules related to underutilized businesses (small and minority businesses, women's enterprises and labor surplus firms) at 2 CFR 200.321

I. **Monitoring.** Subrecipient will be monitored periodically by federal, state or local entities, both programmatically and financially, to ensure that project goals, objectives, performance requirements, timelines, milestone completion, budget, and other program-related criteria are met.

TDEM, or its authorized representative, reserves the right to perform periodic desk/office-based and/or on-site monitoring of Subrecipient's compliance with this Grant and of the adequacy and timeliness of Subrecipient's performance pursuant to this Grant. After each monitoring visit, if the monitoring visit reveals deficiencies in Subrecipient's performance under this Grant, a monitoring report will be provided to the Subrecipient and shall include requirements for the timely correction of such deficiencies by Subrecipient. Failure by Subrecipient to take action specified in the monitoring report may be cause for suspension or termination of this Grant pursuant to the Suspension and/or Termination Section herein.

J. **Audit**.
1. Audit of Federal and State Funds. Subrecipient shall arrange for the performance of an annual financial and compliance audit of funds received and performances rendered under this Grant as required by the Single Audit Act (OMB 2 C.F.R. 200.501, formerly A-133). Subrecipient shall comply, as applicable, with Texas Government Code, Chapter 783, the Uniform Grant Management Standards (UGMS), the State Uniform Administrative Requirements for Grants and Cooperative Agreements.
2. Right to Audit. Subrecipient shall give the United States Department of Homeland Security (DHS), Federal Emergency Management Agency (FEMA), the Comptroller General of the United States, the Texas State Auditor, TDEM, or any of their duly authorized representatives, access to and the right to conduct a financial or compliance audit of Grant funds received and performances rendered under this Grant. Subrecipient shall permit TDEM or its authorized representative to audit Subrecipient's records. Subrecipient shall provide any documents, materials or information necessary to facilitate such audit.
3. Subrecipient's Liability for Disallowed Costs. Subrecipient understands and agrees that it shall be liable to TDEM for any costs disallowed pursuant to any financial or compliance audit(s) of these funds. Subrecipient further understands and agrees that reimbursement to TDEM of such disallowed costs shall be paid by Subrecipient

from funds that were not provided or otherwise made available to Subrecipient pursuant to this Grant or any other federal contract.

4. Subrecipient's Facilitation of Audit. Subrecipient shall take such action to facilitate the performance of such audit(s) conducted pursuant to this Section as TDEM may require of Subrecipient. Subrecipient shall ensure that this clause concerning the authority to audit funds received indirectly by subcontractors through Subrecipient and the requirement to cooperate is included in any subcontract it awards.
5. State Auditor's Clause. Subrecipient understands that acceptance of funds under this Grant acts as acceptance of the authority of the State Auditor's Office to conduct an audit or investigation in connection with those funds. Subrecipient further agrees to cooperate fully with the State Auditor's Office in the conduct of the audit or investigation, including providing all records requested. Subrecipient shall ensure that this clause concerning the State Auditor's Office's authority to audit funds and the requirement to cooperate fully with the State Auditor's Office is included in any subgrants or subcontracts it awards. Additionally, the State Auditor's Office shall at any time have access to and the rights to examine, audit, excerpt, and transcribe any pertinent books, documents, working papers, and records of Subrecipient relating to this Grant.

K. **Retention and Accessibility of Records**.

1. Retention of Records. Subrecipient shall follow its own internal retentaion policy, or the state's retention policy, whichever is stricter. At a minimum, the subrecipient shall maintain fiscal records and supporting documentation for all expenditures of this Grant's funds pursuant to the applicable OMB 2 C.F.R. Subpart D – Post Federal Award Requirements, §200.333-337, and this Grant. Subrecipient shall retain these records and any supporting documentation for a minimum of three (3) years from the later of the completion of this project's public objective, submission of the final expenditure report, any litigation, dispute, or audit. Records shall be retained for three (3) years after any real estate or equipment final disposition. The DHS or TDEM may direct Subrecipient to retain documents or to transfer certain records to DHS/FEMA custody when DHS/FEMA determines that the records possess long term retention value.
2. Access to Records. Subrecipient shall give the United States Department of Homeland Security, the Comptroller General of the United States, the Texas State Auditor, TDEM, or any of its duly authorized representatives, access to and the right to examine all books, accounts, records, reports, files, other papers, things or property belonging to or in use by Subrecipient pertaining to this Grant including records concerning the past use of DHS/FEMA funds. Such rights to access shall continue as long as the records are retained by Subrecipient.

L. **Changes, Amendments, Suspension or Termination**

1. Modification. DHS/FEMA or TDEM may modify this Grant after an award has been made. Once notification has been made in writing, any subsequent request for funds indicates Subrecipient's acceptance of the changes to this Grant. Any alteration, addition, or deletion to this Grant by Subrecipient is not valid.
2. Effect of Changes in Federal and State Laws. Any alterations, additions, or deletions to this Grant that are required by changes in federal and state laws, regulations or policy are automatically incorporated into this Grant without written amendment to this Grant and shall become effective upon the date designated by such law or regulation. In the event DHS/FEMA or TDEM determines that changes are necessary to this Grant after an award has been made, including changes to the period of performance or terms and conditions, Subrecipient shall be notified of the changes in writing. Once notification has

been made, any subsequent request for funds will indicate Subrecipient's acceptance of the changes to this Grant.

3. Suspension. In the event Subrecipient fails to comply with any term of this Grant, TDEM may, upon written notification to Subrecipient, suspend this Grant, in whole or in part, withhold payments to Subrecipient and prohibit Subrecipient from incurring additional obligations of this Grant's funds.
4. Termination. TDEM shall have the right to terminate this Grant, in whole or in part, at any time before the end of the Performance Period, if TDEM determines that Subrecipient has failed to comply with any term of this Grant. TDEM shall provide written notice of the termination and include:
   a. The reason(s) for such termination;
   b. The effective date of such termination; and
   c. In the case of partial termination, the portion of this Grant to be terminated.
   d. Appeal may be made to the Deputy Chief of the Texas Division of Emergency Management - Recovery & Mitigation.

M. **Enforcement**. If Subrecipient materially fails to comply with any term of this Grant, whether stated in a federal or state statute or regulation, an assurance, in a state plan or application, a notice of award, or elsewhere, TDEM or DHS/FEMA may take one or more of the following actions, as appropriate in the circumstances:

1. Increased monitoring of projects and require additional financial and performance reports
2. Require all payments as reimbursements rather than advance payments
3. Temporarily withhold payments pending correction of the deficiency
4. Disallow or deny use of funds and matching credit for all or part of the cost of the activity or action not in compliance;
5. Request DHS/FEMA to wholly or partially de-obligate funding for a project
6. Temporarily withhold cash payments pending correction of the deficiency by subrecipient or more severe enforcement action by TDEM or DHS/FEMA;
7. Withhold further awards for the grant program
8. Take other remedies that may be legally available

In taking an enforcement action, TDEM will provide Subrecipient an opportunity for a hearing, appeal, or other administrative proceeding to which Subrecipient is entitled under any statute or regulation applicable to the action involved.

The costs of Subrecipient resulting from obligations incurred by Subrecipient during a suspension or after termination of this Grant are not allowable unless TDEM or DHS/FEMA expressly authorizes them in the notice of suspension or termination or subsequently.

Other Subrecipient costs during suspension or after termination which are necessary and not reasonably avoidable are allowable if:

- The costs result from obligations which were properly incurred by Subrecipient before the effective date of suspension or termination, are not in anticipation of it, and in the case of a termination, are non-cancellable; and
- The costs would be allowable if this Grant were not suspended or expired normally at the end of the funding period in which the termination takes effects.

The enforcement remedies identified in this section, including suspension and termination, do not preclude Subrecipient from being subject to "Debarment and Suspension" under E.O.

12549. 2 C.F.R., Appendix II to Part 200, (I).

N. **Conflicts of Interest**. The subrecipient will maintain written standards of conduct covering conflicts of interest and governing the actions of its employees engaged in the selection, award and administration of contracts and will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest or personal gain.

O. **Closing of this Grant**. TDEM will close each subaward after receiving all required final documentation from the Subrecipient. If the close out review and reconciliation indicates that Subrecipient is owed additional funds, TDEM will send the final payment automatically to Subrecipient. If Subrecipient did not use all the funds received, TDEM will recover the unused funds.

At the completion and closure of all Subrecipient's projects (subawards), TDEM will request the Subrecipient to Certify the completion of all projects (subawards) in accordance of the grants terms and conditions to state there are no further claims under this subgrant.
The closeout of this Grant does not affect:

1. DHS/FEMA or TDEM's right to disallow costs and recover funds on the basis of a later audit or other review;
2. Subrecipient's obligation to return any funds due as a result of later refunds, corrections, or other transactions;
3. Records retention requirements, property management requirements, and audit requirements, as set forth herein; and
4. Any other provisions of this Grant that impose continuing obligations on Subrecipient or that govern the rights and limitations of the parties to this Grant after the expiration or termination of this Grant.

P. **Notices.** All notices and other communications pertaining to this agreement shall be delivered in electronic format and/or writing and shall be transmitted by fax, e-mail, personal hand-delivery (and receipted for) or deposited in the United States Mail, as certified mail, return receipt requested and postage prepaid, to the other party.

EXHIBIT A

ASSURANCES - NON-CONSTRUCTION PROGRAMS See Standard Form 424B

As the duly authorized representative of Subrecipient, I certify that Subrecipient:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this Grant.

2. Will give the Department of Homeland Security, the Texas Division of Emergency Management, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to this Grant and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.

3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest or personal gain.

4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.

5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).

6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686 and 44 C.F.R. Part 19), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290dd-3 and 290ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which agreement for Federal assistance is being made; and (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.

7. Will comply or has already complied with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.

8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction sub-agreements.

10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is $10,000 or more.

11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190 as amended by 42 U.S.C. 4311 et seq. and Executive Order (EO) 11514) which establishes national policy goals and procedures to protect and enhance the environment, including protection against natural disasters. To comply with NEPA for DHS grant-supported activities, DHS-FEMA requires the environmental aspects to be reviewed and evaluated before final action on the application; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) comply with the Clean Air Act of 1977, (42 U.S.C. §§7401 et seq. and Executive Order 11738) providing for the protection of and enhancement of the quality of the nation's air resources to promote public health and welfare and for restoring and maintaining the chemical, physical, and biological integrity of the nation's waters; (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93- 205).

12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.

13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).

14. Will comply with P.L. 93-348, 45 C.F.R. 46, and DHS Management Directive 026-044 (Directive) regarding the protection of human subjects involved in research, development, and related activities supported by this Grant. "Research" means a systematic investigation, including research, development, testing, and evaluation designed to develop or contribute to general knowledge. See Directive for additional provisions for including humans in the womb, pregnant women, and neonates (Subpart B); prisoners (Subpart C); and children (Subpart D). See also state and local law for research using autopsy materials.

15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) which requires the minimum standards of care and treatment for vertebrate animals bred for commercial sale, used in research, transported commercially, or exhibited to the public according to the Guide for Care and Use of Laboratory Animals and Public Health Service Policy and Government Principals Regarding the Care and Use of Animals.

16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.), which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.

17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133 (now OMB 2 C.F.R. 200.500), "Audits of States, Local Governments, and Non-Profit Organizations."

18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, grant guidance, and policies governing this Grant.

EXHIBIT B
ASSURANCES - CONSTRUCTION PROGRAMS See Standard Form 424D

As the duly authorized representative of Subrecipient, I certify that Subrecipient:

1. Has the legal authority to apply for Federal assistance, and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project costs) to ensure proper planning, management and completion of project described in this Grant.
2. Will give the Department of Homeland Security, the Texas Division of Emergency Management, the Comptroller General of the United States and, if appropriate, the State, the right to examine all records, books, papers, or documents related to this Grant and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will not dispose of, modify the use of, or change the terms of the real property title or other interest in the site and facilities without permission and instructions from the awarding agency. Will record the Federal awarding agency directives and will include a covenant in the title of real property acquired in whole or in part with Federal assistance funds to assure nondiscrimination during the useful life of this Grant.
4. Will comply with the requirements of the assistance awarding agency with regard to the drafting, review and approval of construction plans and specifications.
5. Will provide and maintain competent and adequate engineering supervision at the construction site to ensure that the complete work conforms with the approved plans and specifications and will furnish progressive reports and such other information as may be required by the awarding agency or State.
6. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
7. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest or personal gain.
8. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards of merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
9. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
10. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681 1683, and 1685-1686 and 44 C.F.R. Part 19), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29) U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290dd-3 and 290ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statue(s) under which agreement for Federal assistance is being made; and (j) the requirements of any other nondiscrimination statue(s) which may apply to the agreement.
11. Will comply or has already complied with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal and federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
12. Will comply with the provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.
13. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327- 333) regarding labor standards for federally-assisted construction sub-agreements.
14. Will comply with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is $10,000 or more.
15. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91- 190) as amended by 42 U.S.C. 4311 et seq. and Executive Order (EO) 11514 which establishes national policy goals and procedures to protect and enhance the environment, including protection against natural disasters; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) comply with the Clean Air Act of 1977, (42 U.S.C. §§7401 et seq. and Executive Order 11738) providing for the protection of and enhancement of the quality of the nation's air resources to promote public health and welfare and for restoring and maintaining the chemical, physical, and biological integrity of the nation's waters; (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
16. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
17. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq).
18. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133 (now OMB 2 C.F.R. 200.500), "Audits of States, Local Governments, and Non-Profit Organizations."
19. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, grant guidance and policies governing this Grant.

Exhibit C

Certifications for Grant Agreements

The undersigned, as the authorized official, certifies the following to the best of his/her knowledge and belief.

A. No Federal appropriated funds have been paid or will be paid by or on behalf of the undersigned to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee or a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

B. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee or a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL Disclosure of Lobbying Activities, in accordance with its instructions.

C. The undersigned shall require that the language of this certification prohibiting lobbying be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

D. As required by Executive Order 12549, Debarment and Suspension, and implemented at 28 C.F.R. Part 67, for prospective participants in primary covered transactions, as defined at 28 C.F.R. Part 67, Section 67.510. (Federal Certification), the Subrecipient certifies that it and its principals and vendors:

   1. Are not debarred, suspended, proposed for debarment, declared ineligible, sentenced to a denial of Federal benefits by a State or Federal court, or voluntarily excluded from covered transactions by any Federal department or agency. Subrecipient can access debarment information by going to www.sam.gov and the State Debarred Vendor List at: www.window.state.tx.us/procurement/prog/vendor_performance/debarred.

   2. Have not within a three-year period preceding this Grant been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction, violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

   3. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (D)(2) of this certification;

   4. Have not within a three-year period preceding this Grant had one or more public transactions (Federal, State, or local) terminated for cause or default; or

   5. Where Subrecipient is unable to certify to any of the statements in this certification, he or she shall attach an explanation to this Grant. (Federal Certification).

E. Federal funds will be used to supplement existing funds, and will not replace (supplant) funds that have been appropriated for the same purpose. Subrecipient may be required to supply documentation certifying that a reduction in non-federal resources occurred for reasons other than the receipt or expected receipt of federal funds.

F. Subrecipient will comply with 2 C.F.R. Part 180, Subpart C as a condition of receiving grant funds and Subrecipient will require such compliance in any subgrants or contract at the next tier.

G. Subrecipient will comply with the Drug-free Workplace Act, in Subpart B of 2 C.F.R. Part 3001.

H. Subrecipient is not delinquent on any Federal debt. Examples of relevant debt include delinquent payroll and other taxes, audit disallowances, and benefit overpayments. See OMB Circular A-129 and form SF-424, item number 17 for additional information and guidance.

I. Subrecipient will comply with all applicable requirements of all other federal laws, executive orders, regulations, program and administrative requirements, policies and any other requirements governing this Grant.

J. Subrecipient understands that failure to comply with any of the above assurances may result in suspension, termination or reduction of funds in this Grant.

EXHIBIT D

State of Texas Assurances

As the duly authorized representative of Subrecipient, I certify that Subrecipient:

1. Shall comply with Texas Government Code, Chapter 573, by ensuring that no officer, employee, or member of the Subrecipient's governing body or of the Subrecipient's contractor shall vote or confirm the employment of any person related within the second degree of affinity or the third degree of consanguinity to any member of the governing body or to any other officer or employee authorized to employ or supervise such person. This prohibition shall not prohibit the employment of a person who shall have been continuously employed for a period of two years, or such other period stipulated by local law, prior to the election or appointment of the officer, employee, or governing body member related to such person in the prohibited degree.
2. Shall insure that all information collected, assembled, or maintained by the Subrecipient relative to a project will be available to the public during normal business hours in compliance with Texas Government Code, Chapter 552, unless otherwise expressly prohibited by law.
3. Shall comply with Texas Government Code, Chapter 551, which requires all regular, special, or called meetings of governmental bodies to be open to the public, except as otherwise provided by law or specifically permitted in the Texas Constitution.
4. Shall comply with Section 231.006, Texas Family Code, which prohibits payments to a person who is in arrears on child support payments.
5. Shall not contract with or issue a license, certificate, or permit to the owner, operator, or administrator of a facility if the Subrecipient is a health, human services, public safety, or law enforcement agency and the license, permit, or certificate has been revoked by another health and human services agency or public safety or law enforcement agency.
6. Shall comply with all rules adopted by the Texas Commission on Law Enforcement pursuant to Chapter 1701, Texas Occupations Code, or shall provide the grantor agency with a certification from the Texas Commission on Law Enforcement that the agency is in the process of achieving compliance with such rules if the Subrecipient is a law enforcement agency regulated by Texas Occupations Code, Chapter 1701.
7. Shall follow all assurances. When incorporated into a grant award or contract, standard assurances contained in the application package become terms or conditions for receipt of grant funds. Administering state agencies and subrecipients shall maintain an appropriate contract administration system to insure that all terms, conditions, and specifications are met. (See UGMS Section _.36 for additional guidance on contract provisions).
8. Shall comply with the Texas Family Code, Section 261.101, which requires reporting of all suspected cases of child abuse to local law enforcement authorities and to the Texas Department of Child Protective and Regulatory Services. Subrecipient shall also ensure that all program personnel are properly trained and aware of this requirement.
9. Shall comply with all federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352), which prohibits discrimination on the basis of race, color, or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps and the Americans with Disabilities Act of 1990 including Titles I, II, and III of the Americans with Disability Act which prohibits recipients from discriminating on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities, 44 U.S.C. §§ 12101-12213; (d) the Age Discrimination Act of 1974, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment, and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to the nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290dd-3 and 290ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental, or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and (j) the requirements of any other nondiscrimination statute(s) which may apply to this Grant.
10. Shall comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally assisted construction subagreements.
11. Shall comply with requirements of the provisions of the Uniform Relocation Assistance and Real Property Acquisitions Act of 1970 (P.L. 91-646), which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
12. Shall comply with the provisions of the Hatch Political Activity Act (5 U.S.C. §§7321-29), which limit the political activity of employees whose principal employment activities are funded in whole or in part with Federal funds.
13. Shall comply with the minimum wage and maximum hours provisions of the Federal Fair Labor Standards Act and the Intergovernmental Personnel Act of 1970, as applicable.

14. Shall insure that the facilities under its ownership, lease, or supervision which shall be utilized in the accomplishment of the project are not listed on the Environmental Protection Agency's (EPA) list of Violating Facilities and that it will notify the Federal grantor agency of the receipt of any communication from the Director of the EPA Office of Federal Activities indicating that a facility to be used in the project is under consideration for listing by the EPA (EO 11738).

15. Shall comply with the flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973, Public Law 93-234. Section 102(a) requires the purchase of flood insurance in communities where such insurance is available as a condition for the receipt of any Federal financial assistance for construction or acquisition proposed for use in any area that has been identified by the Secretary of the Department of Housing and Urban Development as an area having special flood hazards.

16. Shall comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved state management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of federal actions to State (Clear Air) Implem entation Plans under Section 176(c) of the Clear Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).

17. Shall comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.

18. Shall assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).

19. Shall comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) which requires the minimum standards of care and treatment for vertebrate animals bred for commercial sale, used in research, transported commer cially, or exhibited to the public according to the Guide for Care and Use of Laboratory Animals and Public Health Service Policy and Government Principals Regarding the Care and Use of Animals.

20. Shall comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residential structures.

21. Shall comply with the Pro-Children Act of 1994 (Public Law 103-277), which prohibits smoking within any portion of any indoor facility used for the provision of services for children.

22. Shall comply with all federal tax laws and are solely responsible for filing all required state and federal tax forms.

23. Shall comply with all applicable requirements of all other federal and state laws, executive orders, regulations, and policies governing this program.

24. And its principals are eligible to participate and have not been subjected to suspension, debarment, or similar ineligibility determined by any federal, state, or local governmental entity and it is not listed on a state or federal government's terrorism watch list as described in Executive Order 13224. Entities ineligible for federal procurement have Exclusions listed at https://www.sam.gov/portal/public/SAM/.

25. Shall adopt and implement applicable provisions of the model HIV/AIDS work place guidelines of the Texas Department of Health as required by the Texas Health and Safety Code, Ann., Sec. 85.001, et seq.

EXHIBIT E

Environmental Review

As the duly authorized representative of Subrecipient, I certify that Subrecipient:

1. shall assess its federally funded projects for potential impact to environmental resources and historic properties.
2. shall submit any required screening form(s) as soon as possible and shall comply with deadlines established by TDEM. Timelines for the Environmental Planning and Historic Preservation (EHP) review process will vary based upon the complexity of the project and the potential for environmental or historical impact.
3. shall include sufficient review time within its project management plan to comply with EHP requirements. Initiation of any activity prior to completion of FEMA's EHP review will result in a non-compliance finding and TDEM will not authorize or release Grant funds for non-compliant projects.
4. as soon as possible upon receiving this Grant, shall provide information to TDEM to assist with the legally-required EHP review and to ensure compliance with applicable EHP laws and Executive Orders (EO) currently using the FEMA EHP Screening Form OMB Number 1660-0115/FEMA Form 024-0-01 and submitting it, with all supporting documentation, to TDEM for review. These EHP requirements include but are not limited to the National Environmental Policy Act, the National Historic Preservation Act, the Endangered Species Act, EO 11988 – Floodplain Management, EO 11990 – Protection of Wetlands, and EO 12898 – Environmental Justice. Subrecipient shall comply with all Federal, State, and local EHP requirements and shall obtain applicable permits and clearances.
5. shall not undertake any activity from the project that would result in ground disturbance, facility modification, or purchase and use of sonar equipment without the prior approval of FEMA. These include but are not limited to communications towers, physical security enhancements involving ground disturbance, new construction, and modifications to buildings.
6. shall comply with all mitigation or treatment measures required for the project as the result of FEMA's EHP review. Any changes to an approved project description will require re-evaluation for compliance with EHP requirements before the project can proceed.
7. if ground disturbing activities occur during project implementation, Subrecipient shall ensure monitoring of ground disturbance and if any potential archeological resources are discovered, Subrecipient shall immediately cease construction in that area and notify FEMA and the appropriate State Historical Preservation Office.

EXHIBIT F

Additional Grant Conditions

1. Additional damage requiring a new Public Assistance project to be written must be reported within 60 days following the Project Scoping meeting with the State- Federal team.

2. All work must be done prior to the approved project completion deadline assigned to each Project (POP). Should additional time be required, a time extension request must be submitted which: a.) Identifies the projects requiring an extension. b.) Explains the reason for an extension. c.) Indicates the percentage of work that has been completed. d.) Provides an anticipated completion date. The reason for an extension must be based on extenuating circumstances or unusual project requirements that are beyond the control of your jurisdiction/organization. **Failure to submit a time extension request 60 days prior to the end of the period of performance may result in reduction or withdrawal of federal funds for approved work.**

3. Any significant change to a project's approved Scope of Work must be reported and approved through TDEM and FEMA before starting the project. Failure to do so will jeopardize grant funding. The Subrecipient shall submit requests for cost overruns requiring additional obligations to TDEM, who will forward to FEMA for review and approval prior to incurring costs.

4. The Project Completion and Certification Report must be submitted to TDEM within 60 days of all approved work being completed for each project. If any project requires the purchase of insurance as a condition of receiving federal funds, a copy of the current policy must be attached to this report, or Duplication of Benefits form certifying other funds were received to complete the project.

5. A cost overrun appeal on small ($128,900) Public Assistance projects must be reported to the Texas Division of Emergency Management (TDEM) within 60 days of completing the last small project in order to be considered for additional funding.

6. Appeals may be filed on any determination made by FEMA or TDEM. All appeals must be submitted to TDEM within 60 days from receiving written notice of the action you wish to appeal. Should you wish to appeal a determination contained in the project application, the 60 days will start the day the application is signed. Appeals for Alternative Projects will be subject to the terms of the signed agreement for the Alternative Project.

7. Public Assistance program projects will not receive funding until all of the requirements identified in the comments section of the Project Worksheet are met.

8. You may request a payment of funds on projects by initiating a Request for Reimbursement (RFR) in TDEM's Grant Management System (GMS) or an Advance of Funds Request (AFR), and including documentation supporting your request. Small Public Assistance projects are paid upon obligation and will be initiated by TDEM personnel. Payments for open projects must be requested at least quarterly if expenditures have been made in that quarter.

9. Subrecipients will be required to submit quarterly project reports (QPR) for open large projects using TDEM's GMS. Your assigned Grant Coordinator will coordinate the due date for your specific reporting. Public Assistance program small projects are typically exempt from quarterly reporting, however TDEM reserves the right to require QPRs on any smalls requiring a POP extension. The first quarterly report will be due at the end of the first full quarter following the quarter in which the project was obligated. No quarterlies are required for projects that Subrecipient has initiated a closeout request and has provided a certificate of completion. Failure to submit required quarterly reports for two or more quarters can result in withholding or deobligation of funding for Subrecipients until all reports are submitted and up-to-date.

10. Subrecipients expending $750,000 or more in total Federal financial assistance in a fiscal year will be required to provide an audit made in accordance with OMB Uniform Guidance; Cost Principles, Audit, and Administrative Requirements for Federal Awards, Subpart F. A copy of the Single Audit must be submitted to your cognizant State agency or TDEM within nine months of the end of the subrecipient's fiscal year. Consult with your financial officer regarding this requirement. If not required to submit a single audit, a letter must be sent to TDEM certifying to this.

11. Subrecipients will not make any award to any party which is debarred or suspended, or is otherwise excluded from participation in the Federal assistance programs (EO 12549, Debarment and Suspension). Subrecipient must maintain documentation validating review of debarment list of eligible contractors.

12. Subrecipients must keep record of equipment acquired by federal funds for the life cycle of the equipment. A life cycle for most equipment will be three years, but could be longer. If the fair market value of a piece of equipment is valued over $5,000, FEMA will have the right to a portion of proceeds if equipment is sold. If the fair market value of a piece of equipment is less than $5,000, the property can either be retained, sold or designated as surplus with no further obligation to FEMA.

13. TDEM will be using the new FEMA Public Assistance Delivery Model to facilitate the writing of project worksheets (Portal). Subrecipient will be responsible for establishing and maintaining an active account in the Portal and to provide and upload timely, all information requested that is needed to write accurate project worksheets. The Portal will provide the Subrecipient visibility of the entire project writing process.

14. TDEM will be using its new Grant Management System (GMS) for Subrecipient grant management functions. Subrecipient will access GMS to initiate Requests for Reimbursements (RFR), Advance of Funds Requests (AFR), Time Extensions, Scope and Cost changes requests, Quarterly Reports, Project Closeouts, Appeals, and other items deemed necessary by TDEM. Requested forms and processes may be adjusted and changed to accommodate GMS processes and requirements. Subrecipient agrees to monitor GMS as necessary to properly manage and complete awarded projects under this agreement.

16. 2 CFR 200.210(a)(15), 2 CFR 200.331(a)(1)(xiii) and (a)(4) make reference to indirect cost rates. The Subrecipient may use the negotiated Indirect Cost Rate approved by its cognizant agency, or may use the 10% de minimis rate of modified total direct costs (MTDC) (as per § 200.414) when receiving Management Costs.

EXHIBIT G

Match Certification

Additional Grant Certifications

Subrecipient certifies that it has the ability to meet or exceed the cost share required for all subawards (Projects) and amendments (versions) under this Grant Agreement.

Duplication of Program Statement

Subrecipient certifies there has not been, nor will there be, a duplication of benefits for this project.

Match Certification

Federal Debt Disclosure

Subrecipient certifies that it is not delinquent on any Federal Debt.

For Hazard Mitigation Projects Only:

Maintenance Agreement

Applicant certifies that if there is a Maintenance Agreement needed for this facility copy of that agreement will be provided to TDEM.

Environmental Justice Statement

Federal Executive Order 12898 compliance requirements – If there are any concentrations of low income or minority populations in or near the HMGP project:

1. Applicant certifies that the HMGP project result will not result in a disproportionately high or adverse effect on low income or minority populations.

   OR

2. Applicant certifies that action will be taken to ensure achievement of environmental justice for low income and minority populations related to this HMGP project.

Request for Information and Documentation Policy and Guideline

It is crucial to the success of the overall Grant Program and to the timely completion and closure of awarded projects that timelines be established for providing information and documentation. TDEM has developed a framework to support this endeavor following a progressive series of communications for the Subrecipient (RFI). TDEM will work with you throughout the RFI process as communication is the key to your success.

RFI Timelines	
First Informal Request	The primary contact for the Subrecipient will receive the RFI via email with five business days to respond.
Second Informal Request	A second email to the primary contact will be sent with an additional five business days to respond.
Third Informal Request	A phone call will be made to the primary contact with a third email requesting the information to be provided within five business days. The Regional Section Administrator and State Coordinator will be copied.
Fourth Formal Request	The Supervising Program Director of Recovery will issue a certified letter to the highest ranking official highlighting previous requests and an additional ten days to provide the requested information.
Final Formal Request	A final request by certified letter will be issued by the Deputy Assistant Director of Recovery, Mitigation, and Standards, or the Assistant Director of the Texas Division of Emergency Management to the highest ranking official giving the final ten business days to respond or deobligation of the project will begin.
Final Action	If the RFI is not sufficiently answered, the project will be deobligated, and any previously paid funds must be returned to TDEM.

Reference: RMS Services Grant Program Request for Information and Documentation August 2017

GRANT TERMS AND CONDITIONS

Please initial by each Exhibit, acknowledging you have received them, understand them, and agree to abide by them.

N/A Assurances – Non-Construction Programs, hereinafter referred to as "Exhibit A"

BT Assurances – Construction Programs, hereinafter referred to as "Exhibit B"

BT Certifications for Grant Agreements, hereinafter referred to as "Exhibit C"

BT State of Texas Assurances, hereinafter referred to as "Exhibit D"

BT Environmental Review Certification, hereinafter referred to as "Exhibit E"

BT Additional Grant Conditions, hereinafter referred to as "Exhibit F"

BT Additional Grant Certifications, hereinafter referred to as "Exhibit G"

N/A Request for Information and Documentation referred to as "Exhibit H"

Please sign below to acknowledged acceptance of the grant and all exhibits in this agreement, and to abide by all terms and conditions.

Signature of Certifying Official

10/8/19
Date

Brian Maxwell
Printed Name and Title

City Mgr.

FEMA

Federal Emergency Management Agency
Region 6
Federal Regional Center
800 North Loop 288
Denton, TX 76209

AUGUST 29, 2019

MEMORANDUM FOR: **HMGP FILES - FEMA-0024-DR-State**
Project Number 0024

FROM: **Brianne Schmidtke Acting**
Hazard Mitigation Assistance Branch Chief

SUBJECT:

Phase I Project
City of Galveston, Galveston County, Texas

Through this Phase I project, City of Galveston, Galveston, TX is developing the data necessary to demonstrate that the proposed Hazard Mitigation Grant Program (HMGP) construction project is eligible for FEMA funding. This project involves data gathering and technical analysis only, and does not include commitment of federal resources other than manpower and funding.

This project has been determined to be Categorically Excluded from the need to prepare either an Environmental Impact Statement or Environmental Assessment in accordance with FEMA Instruction 108-1-1 and DHS Instruction 023-01-001-01: CATEX A7. No extraordinary circumstances in accordance with DHS Instruction 023-01-001-01 have been identified regarding this action.

This Categorical Exclusion only covers the Phase I portion of this project. The applicant must re-submit the Phase II construction portion of the project to FEMA prior to the start of construction for evaluation under the National Environmental Policy Act and other relevant laws and executive orders.

Recommended:

Corey Corbett
Hazard Mitigation Grant Specialist

Date: 8/29/19

U.S. Department of Homeland Security
Federal Emergency Management Agency
Region 6 Environmental and Historic Preservation
800 North Loop 288
Denton, TX 76209

EHP Phase I Considerations:

City of Galveston 14th Street Drainage Improvement Project

HMGP-DR-4332-TX Project #24

Please address the following questions during Phase I and submit with the Phase I package.

Scope of Work:

- The letter to TCEQ/USACE mentions emergency power generator capability. Is a generator being installed at the outfall pump station?
- What is meant by "trenchless methods"...boring?
- Approximately how deep below ground (max depth) will work be done for the sewer system and the outfall station?

National Historic Preservation Act:

- SHPO response to the form already submitted by Galveston to SHPO. This project looks to run through the East End Historic District and Lost Bayou Historic District so SHPO could request additional information etc, at which point FEMA EHP would take over the consultation.
- FEMA will consult with tribes if needed upon receipt of Phase I deliverables.

Clean Water Act:

- The City communicated with USACE regarding the project on July 18. Has a response been received?
- For the outfall pump, FEMA will need some coordination documentation/indication from the Corps that the project will fall under a Regional General Permit as expected by the applicant.

Floodplain Management Review:

- The EHP checklist mentions coordination with the floodplain administrator in June 2018. Is there an correspondence from the floodplain administrator on the impacts of the project on the floodplain?
- The outfall station is located in the AE zone per Preliminary Flood Insurance Rate Map (FIRM) panel 48167C0441G, dated 2/28/18 (see http://maps.riskmap6.com/TX/Galveston/). How will the outfall station (and components like the assumed generator) be elevated or hardened to minimize flooding risk to the structure? Please be advised that the best available data for FEMA funding/review purposes is the more restrictive standard of the effective FIRM (dated 2002) an the Preliminary FIRM (dated 2018). So please review both when considering elevation heights.
- Is the construction/operation of the new outfall pump anticipated to cause additional flooding along the Ship Channel banks or to structures in that area? Is there a study indicating no adverse flood impacts to the outfall area?

October 8, 2019

Brian Maxwell, City Manager
Honorable Mayor and City Council Members

Subject: Receive and file: Section 2-73 of the city charter requires that the council members are to be informed of auction sales that exceed $1,000. This staff report represents the receiving and filing of all auction sales for fiscal year 2018-19.

I. Background

A. The Fleet Facility has been utilizing web based on line auctions since 2008. Web based on line auctions eliminates unnecessary site auctions and their associated costs. The auction proceeds are increased due to technology and the expansion to worldwide clients through the internet.

B. Gov Deals is contracted by Buy Board, which is a cooperative purchasing organization that the city is a member of that performs bidding packages for local governments. They have a superior rating in the auctioning market for government organizations. We have averaged around $140,000 annually on auction sales. Prior on site auctions averaged 60K.

C. Gov Deals is totally transparent and keeps records for auditing purposes. All payments are channeled through the web site who then makes ACH payments to the city. The city also keeps all required records as well.

D. Section 2-73 of the city charter requires that the council members are to be informed of auction sales that exceeding $1,000.

II. Current Situation

Section 2-73 of the city charter requires that the council members are to be informed of auction sales that exceed $1,000. This staff report represents the receiving and filing of all auction sales for fiscal year 2018-19.

III. Fiscal Impact Report

Buy Board costs

- Gov Deals web based on line auction charges 7½%.
- Sales over $100,000 = 5½%
- Sales over $500,000 = 3½%
- No sales, no charges.
- Previous Auctions Companies charged 10%

- A 5% Buyers Premium is added by Gov Deals to the final selling price of all items to the buyer in order to support the electronic payment process through Gov Deals.

- Gov Deals supplies the city with ACH (Automated Clearing House) deposits. No cash is involved.

FY 2018-19 Annual sales:

- $293,189.28

- Auction sales are returned to the original purchasing fund, minus 10% that is paid to the Fleet Facility for administrating the auctions.

Respectfully Submitted

David Smith
Executive Director

GovDeals Sold Asset Auction Report FY 2018-19

Galveston City of, TX

Date range: 01 Oct 2018 - 30 Sep 2019

Inventory ID	Description	Type	Seller Payment	Bids	Auction End Date	Check # ACH
X10181	Antique 1941 Heavy Duty Reed-Prentice Corp Lathe	USD	$228.48	35	25-Oct-18	EFT0000056914
X10182	Antique Heavy Duty Grinder - The Cincinnati Ele Tool Co	USD	$124.88	14	25-Oct-18	EFT0000056660
X10183	Electric Motors	USD	$249.75	41	25-Oct-18	EFT0000056914
X10184	Antique Wisconsin Generator	USD	$51.00	5	25-Oct-18	EFT0000057163
X10185	Pump with motor	USD	$30.00	4	25-Oct-18	EFT0000056914
X10186	Heavy Duty Grinder - Operational	USD	$51.00	7	25-Oct-18	EFT0000056660
X1221B	Hotpoint Stove	USD	$40.00	6	28-Dec-18	EFT0000058843
X0118A	Metal file cabinets (7)	USD	$20.00	5	28-Jan-19	EFT0000059944
X0118B	TV or computer flat screen display stand	USD	$0.00	1	28-Jan-19	No Sale
X0119C	PA system includes Optimus 250 watt audio mixer and speakers	USD	$198.88	18	28-Jan-19	EFT0000059944
X0118D	Fuel tanks (100 gallons each)	USD	$194.31	19	28-Jan-19	EFT0000061184
X0131	Audio Visual Equipment	USD	$305.25	34	10-Feb-19	EFT0000059944
X0208	Assortment of door locks, hinges, closures and door knobs	USD	$5.00	1	14-Feb-19	EFT0000061184
X0211	Assortment of two way radios, chargers, mics and car chargers	USD	$346.88	26	21-Feb-19	EFT0000060910
X0304A	Dell Computer Laptops and Desktops Units - Group	USD	$1,905.50	107	18-Mar-19	EFT0000061184
X0304B	Computer Networking Switches and other items	USD	$309.88	15	31-Mar-19	EFT0000061759
X0304C	Dell Computer Racks	USD	$101.75	3	31-Mar-19	EFT0000064745
X0305	Collectable Coin Assortment	USD	$2,923.00	121	19-Mar-19	EFT0000061184
X0507	Two Automated Refuse Packers	USD	$125.80	7	17-May-19	EFT0000063952
1105	2008 Dodge Ram 1500 Laramie Quad Cab 2WD WRECKED	USD	$681.73	54	20-May-19	EFT0000063703
X0510D	Chrome Dodge rims with tires - Three (3) (OEM)	USD	$106.38	3	20-May-19	EFT0000063703
X0510B	Center gray console lid, fits 2008 Dodge Ram 1500 (OEM)	USD	$0.00	1	17-May-19	No Sale
X0510C	Dell computer laptops, desktops units and printer	USD	$194.25	14	20-May-19	EFT0000063703
X0510A	Assortment of Used Lawn Equipment	USD	$652.13	53	20-May-19	EFT0000063703
1971	2010 Ford Crown Victoria Police Interceptor	USD	$795.50	43	22-Jun-19	EFT0000065037
1972	2010 Ford Crown Victoria Police Interceptor	USD	$727.98	16	22-Jun-19	EFT0000065037
1715	2016 Ford Explorer Police 4WD	USD	$473.59	1	10-Jul-19	EFT0000065778
1554	2011 Ford F-150 FX2 SuperCab 6.5-ft. Bed 2WD	USD	$3,006.25	161	22-Jun-19	EFT0000065037
61419	Assortment auto belts - obsolesence	USD	$45.00	1	24-Jun-19	EFT0000065292
62419	Starter - obsolesence	USD	$45.00	1	4-Jul-19	EFT0000065778
062419B	Assortment Of Single And Duel Rotary Lights - obsolesence	USD	$55.00	2	4-Jul-19	EFT0000065521
625	Hydraulic Arm Raise Cylinder (Heil) obsolesence	USD	$158.18	9	5-Jul-19	EFT0000066515
1968	2010 Ford Crown Victoria Police Interceptor	USD	$786.25	31	12-Aug-19	EFT0000067046
1354	2009 Peterbilt 340	USD	$31,958.75	132	8-Jul-19	EFT0000066261
1982	2010 Ford Crown Victoria Police Interceptor	USD	$551.30	22	8-Jul-19	EFT0000065778
1584	2011 Ford F-350 SD Crew Cab Long Bed DRW 2WD	USD	$8,692.23	108	11-Jul-19	EFT0000065778
1585	2011 Ford F-350 SD Crew Cab Long Bed DRW 2WD	USD	$8,875.38	94	11-Jul-19	EFT0000065778
1231	2000 Ford Econoline E350 Super Duty	USD	$1,221.00	30	11-Jul-19	EFT0000065778
1625	2003 Holland RG140 Motor Grader	USD	$7,076.25	41	11-Jul-19	EFT0000066261
X0702	Assortment Of Used Office Equipment	USD	$92.50	1	12-Jul-19	EFT0000065778
3308	2010 John Deere 310 SJ Backhoe With Loader	USD	$16,002.50	128	12-Jul-19	EFT0000066261
1964	2009 Ford Crown Victoria Police Interceptor	USD	$626.23	20	16-Aug-19	EFT0000067046
X0305A	Recovered Items - Toys	USD	$5.00	1	15-Jul-19	EFT0000067300
X0705C	Recovered Items - Kitchen Items	USD	$144.30	30	15-Jul-19	EFT0000066261
X0705D	Recovered Items - Jewelry Items	USD	$74.00	10	15-Jul-19	EFT0000066261
X0705E	Recovered Items - Home Fashion Items	USD	$30.00	6	15-Jul-19	EFT0000067300
X0705G	Recovered Items - Brownie Movie Projector	USD	$5.00	1	15-Jul-19	EFT0000067300
X0705H	Recovered Items - Sports Items	USD	$169.06	19	15-Jul-19	EFT0000066261
1504	2013 Ford F-150 XLT 6.5-ft. Bed 2WD	USD	$5,735.00	93	24-Jul-19	EFT0000066018
710	Scrap Metal and Other Items	USD	$269.18	23	20-Jul-19	EFT0000066261
1274	2003 Ford Expedition XLT FX4 Off-Road 4WD	USD	$1,665.00	38	22-Jul-19	EFT0000066018
1513	2010 Ford Ranger XLT 2WD	USD	$5,642.50	64	22-Jul-19	EFT0000066018
5001	2013 Ferris mower IS2000Z	USD	$1,175.68	50	25-Jul-19	EFT0000066018

5002	2013 Ferris mower IS2000Z	USD	$148.00	8	25-Jul-19	EFT0000066018
5003	2013 Ferris mower IS2000Z	USD	$324.68	16	25-Jul-19	EFT0000066261
1503	2000 John Deere Gator Cart 4X2	USD	$610.50	23	25-Aug-19	EFT0000067300
9714	2007 Load Trail UT8320	USD	$1,110.00	25	29-Jul-19	EFT0000066261
X0725	Large Databank Safe - Combination Lock - Dial	USD	$120.25	8	4-Aug-19	EFT0000066515
1457	2002 GMC C7H042 litter truck	USD	$13,320.00	86	9-Aug-19	EFT0000066781
1456	2002 GMC C7H042 litter truck	USD	$7,723.75	35	7-Sep-19	Processed
1429	2008 Autocar WX	USD	$4,717.50	7	9-Aug-19	EFT0000067046
1620	M8030 GRADALL XL3100 4X2 Excavator	USD	$1,572.50	10	10-Aug-19	EFT0000066781
1626	2009 John Deere 6330 Slope Mower	USD	$18,083.75	78	11-Aug-19	EFT0000066781
3307	2010 John Deere 310 SJ Backhoe With Loader	USD	$12,533.75	47	11-Aug-19	EFT0000066781
1542	2009 Peterbilt 340	USD	$67,663.75	183	16-Aug-19	EFT0000067300
1543	2012 Ford F-350 SD XLT 2WD	USD	$8,972.50	50	17-Aug-19	EFT0000067046
1327	2011 Ford F-550 Regular Cab DRW 2WD	USD	$32,421.25	69	17-Aug-19	EFT0000067300
1073	2002 Ford Econoline E250	USD	$3,243.98	63	19-Aug-19	EFT0000067300
9729	2002 Trail King TK24LP	USD	$1,780.63	21	5-Sep-19	EFT0000067775
5033	2009 John Deere 5065E	USD	$3,561.25	55	6-Sep-19	EFT0000067775
X0828	Assortment of retired police equipment - obsolesence	USD	$1,042.48	37	7-Sep-19	EFT0000068056
X0825A	Metal cabinets (2) and table (1)	USD	$5.00	1	7-Sep-19	EFT0000068056
X0903	Fire Department Generators	USD	$716.88	25	13-Sep-19	EFT0000068316
X0903A	Scrap Metal and Other Items	USD	$50.00	8	13-Sep-19	EFT0000068316
1970	2010 Ford Crown Victoria Police Interceptor	USD	$578.13	21	16-Sep-19	EFT0000068316
1978	2011 Ford Crown Victoria Police Interceptor	USD	$115.63	5	16-Sep-19	EFT0000068056
1356	2008 Ford F-250 SD XL Crew Cab 2WD	USD	$3,129.28	34	16-Sep-19	EFT0000068056
1951	2007 Ford Crown Victoria Police Interceptor	USD	$277.50	10	16-Sep-19	Processed
1912	2013 Ford Explorer Police 4WD	USD	$3,237.50	39	16-Sep-19	EFT0000068316
1828	2001 Ford Crown Victoria Police Interceptor	USD	$393.13	9	16-Sep-19	EFT0000068056
9727	2001 Load Trail CH5218	USD	$462.50	8	21-Sep-19	EFT0000068316
X0917A	A/C Window Units	USD	$323.75	2	27-Sep-19	EFT0000068316
			$293,189.28			

City of Galveston

OFFICE OF THE CITY MANAGER
P.O. Box 779 | Galveston, TX 77553-0779
citymanager@galvestontx.gov | 409-797-3520

To: Honorable Mayor and City Council Members

From: Brian A. Maxwell, City Manager

Date: October 17, 2019

Re: 2020 Holiday Schedule

In accordance with Chapter 32 "Holidays" of the City's Personnel Policies and Procedures, the following schedule is hereby approved for the 2020 Calendar Year.

CITY HOLIDAY	DAY OBSERVED	DATE OBSERVED
NEW YEAR'S DAY	WEDNESDAY	January 1, 2020
MARTIN LUTHER KING, JR. DAY	MONDAY	January 20, 2020
GOOD FRIDAY	FRIDAY	April 10, 2020
MEMORIAL DAY	MONDAY	May 25, 2020
INDEPENDENCE DAY OBSERVED	FRIDAY	July 3, 2020
LABOR DAY	MONDAY	September 7, 2020
VETERANS' DAY	WEDNESDAY	November 11, 2020
THANKSGIVING DAY	THURSDAY	November 26, 2020
DAY AFTER THANKSGIVING	FRIDAY	November 27, 2020
DAY BEFORE CHRISTMAS	THURSDAY	December 24, 2020
CHRISTMAS DAY	FRIDAY	December 25, 2020

Should there be any questions or concerns, please contact the Human Resources Department at 409.797.3650.

Sincerely,

Brian A. Maxwell
City Manager

City of Galveston

P. O. Box 779 / Galveston, Texas 77553-0779

Staff Report

October 17, 2019

Brian Maxwell, City Manager
Honorable Mayor and City Council Members

Subject: Consideration for approval a memorandum of understanding between the City of Galveston and the International Economic Development Council for participation in IEDC's Volunteer Program for Economic Recovery.

I. Background

A. City Staff made the original connection with Todd Lang (IEDC Staff) in July 2019.

B. City Staff organized multiple phone conferences with IEDC in order to illustrate the City of Galveston's needs.

C. IEDC Staff then determined that Galveston would be a suitable partner for the Volunteer Program for Economic Recovery.

II. Current Situation

A. City Council is requested to approve a memorandum of understanding between the City of Galveston and the International Economic Development Council.

B. Objectives and Benefits of IEDC Volunteer Program
   - **a.** During the time IEDC's group will be in Galveston they will focus on infill development and beautification of the North Broadway neighborhood in detail.
   - **b.** The agreement does not incur cost for the City of Galveston. IEDC will reimburse the volunteers that participate.
   - **c.** IEDC plans to review the current function of the RDA, and how the organization can be functionally re-tooled in order to assist in this process. They will also look into the working relationship between the RDA, City of Galveston, and the newly formed CDC.
   - d. This will also spur exploration into potential funding opportunities, as well as a phased timeline and deliverables for each organization.

III. Recommendation

Approve the memorandum of understanding between the City of Galveston and the International Economic Development Council.

IV. Fiscal Impact Report

Staff	Garrett McLeod
Cost	$0

V. Economic Impact

IEDC will provide a third party review of current conditions, upon review and meeting with staff, elected officials, and interested parties they will develop a report delivered to the City of Galveston. This service comes and no cost to the City of Galveston.

Respectfully Submitted,

_____
Garrett McLeod
Economic Development Coordinator

INTERNATIONAL
ECONOMIC DEVELOPMENT
COUNCIL

MEMORANDUM OF UNDERSTANDING

Between
The International Economic Development Council
Point of contact:
Todd Lang
Senior Economic Development Associate
And
City of Galveston
Point of contact:
Brian Maxwell
City Manager
823 Rosenberg Street,
Galveston, Texas 77550
for
Participation in IEDC's Volunteer Program for Economic Recovery

This memorandum of understanding is entered into by and between the International Economic Development Council (hereinafter referred to as "IEDC"), with offices located at 734 15th Street, NW, Suite 900, Washington, D.C., 20005, and the City of Galveston, 823 Rosenberg Street, Galveston, Texas 77550 for the purpose of hosting a volunteer to assist the City of Galveston with economic recovery.

1) IEDC agrees to plan, organize, and facilitate the deployment of a qualified volunteer by performing the following services:
   - Match the community's needs to potential volunteer(s)
   - Set up briefing call(s) between the volunteer and community
   - Arrange and reimburse the volunteer for food, lodging and travel costs

2) City of Galveston agrees to provide the following support to the project:
   - Participate in briefing and coordination call(s) with the volunteer and IEDC
   - Provide space for the volunteer to work
   - Provide a scope of work, direction and any necessary supervision of the volunteer's work while on site
   - Complete an evaluation form following the volunteer's site visit

The volunteer will be on site for the project during one week in **Fall of 2019 or Winter of 2020** during which time (s)he will assist the City of Galveston with the **revitalization of downtown Galveston**.

The individual points of contact for exchange of information described herein are listed below:
IEDC: Todd Lang, Senior Economic Development Associate, **tlang@iedconline.org**, **202-942-9488**

City of Galveston: Brian Maxwell**,** City Manager, 823 Rosenberg Street, Galveston, Texas 77550

This memorandum of understanding shall commence on the date entered into and shall expire when the project is completed. Neither party may assign the agreement to other entities either in part or in whole unless written consent is given by both parties and the agreement is formally amended.

Both parties shall cooperate with the other and all other parties in carrying out the work encompassed in this agreement. Both parties shall execute and deliver to the other party necessary and relevant documents needed to ensure adequate briefing of the volunteer.

City of Galveston understands that the volunteer and IEDC are providing this assistance at no cost to the community and this is an expression of goodwill assistance offered. City of Galveston will not hold IEDC liable for the outcome of any activity performed on site, should there be any dispute of any kind.

_____ _____

Brian Maxwell Date
City Manager
City of Galveston
823 Rosenberg Street, Galveston, Texas 77550

_____ _____

Juanita Clogston, PhD Date
Vice President of KMD
International Economic Development Council
734 15th Street, NW, Suite 900
Washington, DC 20005

RESOLUTION NO. 19-____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF GALVESTON, TEXAS, ESTABLISHING AND PROCLAIMING THE CITY OF MACHARAVIAYA, SPAIN AS ITS SISTER CITY; DIRECTING THE CITY SECRETARY TO PROVIDE A CERTIFIED COPY OF THIS RESOLUTION TO THE MAYOR; PROVIDING FOR FINDINGS OF FACT AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the City of Galveston is part of a world-wide People to People Program instituted for better understanding among the nations of this planet; and,

WHEREAS, the City of Macharaviaya, Spain, is also a part of the People to People program; and,

WHEREAS, Macharaviaya is the birthplace of Bernardo De Galvez; and,

WHEREAS, Macharaviaya is donating a statue to the City of Galveston for placement at Menard Park; and,

WHEREAS, both the City of Galveston and Macharaviaya find it in their interest to be Sister Cities to one another; and

WHEREAS, no financial assistance or support is being sought from the City of Galveston; and,

WHEREAS, the City of Galveston, Texas, deems it in the public interest to establish the city of Macharaviaya, Spain as a sister city;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GALVESTON, TEXAS:

SECTION 1. The findings and recitations set out in the preamble to this Resolution are found to be true and correct and are hereby adopted by the City Council and made a part hereof for all purposes.

SECTION 2. The City of Galveston, Texas hereby establishes and adopts the city of Macharaviaya, Spain as a sister city.

SECTION 3. The City Secretary, acting for and on behalf of the City Council is hereby directed to execute and send a certified copy of this Resolution to the Mayor or chief executive officer of the city of Macharaviaya, Spain, in the hope that this will be the beginning of a firm friendship between the people of Galveston, Texas and the city of Macharaviaya, Spain.

SECTION 4. This Resolution shall be and become effective from and after its adoption.

APPROVED AS TO FORM:

_____
MEHRAN JADIDI
ASSISTANT CITY ATTORNEY

I, Janelle Williams, Secretary of the City Council of the City of Galveston, do hereby certify that the foregoing is a true and correct copy of a Resolution adopted by the City Council of the City of Galveston at its regular meeting held on the _____ day of _____, 2019, as the same appears in records of this office.

IN TESTIMONY WHEREOF, I subscribe my name hereto officially under the corporate seal of the City of Galveston this _____ day of _____, 2019.

_____
Secretary for the City Council
of the City of Galveston

RESOLUTION NO. 19-____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF GALVESTON, TEXAS APPROVING AN INTERLOCAL AGREEMENT WITH THE CITY OF GALVESTON AND THE GALVESTON BEACH PARK BOARD OF TRUSTEES PROVIDING FOR TERMS AND CONDITIONS FOR THE MANAGEMENT AND CONTROL OF VARIOUS CITY PARKS AND PROPERTIES, THE MAINTENANCE OF BEACHES AND PARKS, PROVIDING FOR THE PROVISION OF FUNDING MECHANISMS BETWEEN THE ENTITIES, THE COLLECTION OF HOTEL OCCUPANCY TAXES, INSURANCE AND DISASTER RELATED SERVICES, USE OF FACILITIES OPERATED BY THE PARK BOARD, PURCHASING METHODS, OPERATION OF PAID PARKING ON THE SEAWALL, PROVIDING FOR FINDINGS OF FACT AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, pursuant to an election conducted on May 14, 1963, the City Council of the City of Galveston created the Galveston Beach Park Board of Trustees, hereinafter referred to as the "Park Board" pursuant to Tex. Loc. Gov't Code Ch. 306; and

WHEREAS, over the years the City and Park Board have worked together in various undertaking to promote and enhance the attractions in Galveston to both the citizens of and visitors to Galveston through various agreements between the parties; and

WHEREAS, the parties have recently concluded discussions to update the agreements between the City and Park Board and place them into a single agreement to address control and management of parks, funding arrangements between the parties, beach and seawall maintenance, collection of hotel occupancy taxes, capital improvements, disaster recovery, insurance matters and other matters of import between the entities; and

WHEREAS, the City of Galveston and the Park Board desire to enter into the agreement pursuant to the Interlocal Cooperation Act, Tex. Gov't Code Chapter 791, et seq. to implement such service and,

WHEREAS, the City Council deems it in the public's interest to enter into this agreement with the Galveston Beach Park Board of Trustees as set forth under the terms and conditions of the Agreement between the City and the Park Board, attached hereto as Exhibit A.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GALVESTON, TEXAS:

SECTION 1. The findings and recitations set out in the preamble to this Resolution are found to be true and correct and hereby adopted by the City Council and made a part hereof for all purposes.

SECTION 2. The City Council of the City of Galveston hereby approves the Interlocal Agreement, in substantially the same form as "Exhibit A" attached to and incorporated herein for all intents and purposes in accordance with State law.

SECTION 3. The City Council of the City of Galveston hereby authorizes the City Manager to execute the Interlocal Agreement attached hereto as Exhibit A, as approved by the City Attorney.

SECTION 4. This Resolution shall be and become effective from and after its adoption.

APPROVED AS TO FORM:

_____
DONALD S. GLYWASKY
CITY ATTORNEY

I, Janelle Williams, Secretary of the City Council of the City of Galveston, do hereby certify that the foregoing is a true and correct copy of a Resolution adopted by the City Council of the City of Galveston at its regular meeting held on the 17th day of October 2019, as the same appears in records of this office.

IN TESTIMONRY WHEREOF, I subscribe my name hereto officially under the corporate seal of the City of Galveston this the _____ day of _____, 2_____.

_____
Secretary for the City Council
Of the City of Galveston

EXHIBIT A

INTERLOCAL AGREEMENT BETWEEN THE CITY OF GALVESTON AND THE PARK BOARD OF TRUSTEES OF THE CITY OF GALVESTON CONCERNING THE MANAGEMENT OF CITY PARKS, PAID PARKING, COLLECTION OF HOTEL OCCUPANCY TAX (HOT), AND MANAGEMENT OF SHORT- TERM RENTAL REGISTRY AND PROVISION OF COASTAL MANAGEMENT AND PUBLIC SPACE MAINTENANCE SERVICES

This Agreement is entered into by the City of Galveston (City) acting by and through its City Council and the Park Board of Trustees of the City of Galveston (Park Board) acting by and through its Board of Trustees.

WHEREAS, the City and Park Board are political subdivisions of the State of Texas and are authorized to enter into an agreement with each other relative to governmental functions and services by the Interlocal Cooperating Act, Texas Government Code, Chapter 791; and

WHEREAS, the Park Board manages and operates certain City owned parks and public beaches as described in City of Galveston Code of Ordinances, Sec. 26-54 and as set out in Exhibit A; and

WHEREAS, the Park Board receives Hotel Occupancy Tax (HOT) Funds dedicated to promote tourism, provide lifeguarding services and to clean and maintain public beaches as described in Texas Tax Code Chapter 351, Texas Tax Code Chapter 156 and Texas Natural Resource Code Chapter 61; and

WHEREAS, the City requires records and information to exercise its due diligence concerning City assets; and

WHEREAS, the Park Board desires to provide records and information to the City in support of its due diligence efforts and public transparency in the management of public assets and funds; and

WHEREAS, there is a benefit, including possible efficiencies, cost savings and revenue opportunities, to both the City and the Park Board, if dialogue, discussion and the exchange of documents occur between the City and Park Board; and

WHEREAS, there are three prior agreements between the City and Park Board, (1) July 14, 2009 Agreement related to Post Disaster Debris Removal; (2) November 17, 2014 Agreement for Matters Relating to the Seawall Paid Parking Program, the East End Lagoon, West Beach Maintenance, Seawall Littler Cleanup and Local HOT collection; and (3) May 3, 2016 Agreement for Seawall Boulevard Corridor Improvements. These prior agreements are terminated, and the relevant terms are incorporated and included into this Agreement.

THEREFORE, for the mutual premises contained herein, the City and Park Board do agree as follows:

1. Effective Date

This Agreement becomes effective upon signing by all parties and continues for two years. Thereafter, it shall continue on a year-to-year basis. Either party may terminate this Agreement by providing ninety (90) days written notice to the other party, provided that the termination notice occurs before July 1 of each year.

2. Laws and Restrictions

The City and Park Board comply with all applicable laws, statutes and City ordinances. Some but not all of these laws, statutes and City ordinances are stated in Exhibit B.

3. Budgets and Reports

Each year the Park Board provides draft budgets and reports for City owned assets which are presented to the Park Board's committees for review and analysis before being provided to the Park Board Trustees for final approval. These draft park budgets and reports include 1) Detailed Annual Budgets, 2) Business Plans, 3) Special Projects and 4) Five Year Capital Plans. The Park Board and City believe that interaction and discussion concerning these draft park budgets and reports will be productive and beneficial. When the Park Board presents its draft park budgets and reports to its committees, it will also provide copies to the City Manager or designee. If the City has recommended changes or comments, it will present them to the Park Board, in writing, no later than forty-five (45) days after they have received the draft budgets and reports. If there are no comments or suggestions after forty-five (45) days, the Park Board will assume that the City has neither changes nor comments.

4. Five Year Capital Plans

Annually the Park Board will present to Council for approval its five-year capital improvement plan for City owned/managed assets. Approval of the capital improvement plan for City owned/managed assets does not exempt the Park Board from requirements set out in City Code Section 26-54.

5. Maximus Reports

The Park Board will provide copies of the current Maximus studies along with any updates to the City as they are produced. If the Park Board determines to use a report from a source other than Maximus, those reports will be provided.

6. Audit and Records

The Park Board has a financial audit prepared by an independent auditing firm each year and this audit is filed with the City. In addition, the City may request inspection and/or copies of any Park Board records and documents upon reasonable notice. Nothing in this section will be construed as to limit the authority of the City Auditor.

7. Hotel Occupancy Tax (HOT) and Beach User Fees (BUF)

The use of HOT and BUF are regulated by state statutes. The use of HOT and BUF are included each year in the Park Board's budgets and regular quarterly reports required by the Texas

General Land Office (GLO). These reports will be provided to the City Manager or designee when they are either 1) provided to the Park Board Committees or 2) provided to the GLO as required by law. The HOT collections are reported monthly to the City and the BUF collections are reported quarterly to the GLO and the City.

8. Disaster Recovery, FEMA and Property Insurance

The Park Board will be responsible for the emergency preparedness plans, protective and safety measures for people and property, securing all parks properties and facilities and managing recovery projects. The Park Board will maintain property and casualty insurance (hazard, windstorm, flood) for all city facilities and structures placed under their control in an amount sufficient for replacement, inclusive of increased cost of compliance (if available). The City of Galveston will be listed as the owner of all City property under management of the Park Board for insurance and FEMA coverage/applications. All insurance policies will reflect the City as the property owner and as additionally insured. A current copy of the certificate of insurance for the properties will be provided to the City. The Park Board is responsible for the payment of the insurance premiums.

If any individual claim amount is greater than 51% of the insured value the City Council will make the determination with regard to the use of insurance or FEMA proceeds. The Park Board will make recommendations through the City Manager concerning the FEMA proceeds, but the Council will have final approval.

The Park Board Executive Director will be the applicant and will sign as the representative for FEMA Public Assistance Program requests and insurance claims for property damage. The Park Board will prepare and submit preliminary damage assessments for the City Manager or designee to review no later than 20 days following a declared disaster. When the project worksheets (PW) have been obligated, the Park Board will provide a finalized inventory of projects, values and scope of work to the City. Recommended changes for any alternate or improved Project will require City Council approval before submission to FEMA. The Park Board will ensure all claims are submitted timely and that proceeds are segregated from use for any other purpose. Copies of quarterly reports to FEMA will be also provided to the City Manager or designee.

The Park Board is responsible for all FEMA cost share or insurance deductibles. Disaster preparedness, recovery projects and local match for grants will be funded with parks and programs revenues, available fund balances, insurance proceeds, grants and donations received for the properties and facilities receiving the work. All proceeds will remain with the property that received the damage unless approved by Council on the recommendation of the City Manager. The Park Board may request assistance from the City to fund emergency preparedness and disaster recovery projects. Disaster loans secured by City assets or cash flow from City assets and that exceed the length of this agreement must be approved by the City Council.

9. Liability Insurance

The Park Board will be responsible for providing liability insurance in an amount no less than $1,000,000/$3,000,000 on its activities that could affect City owned assets. The City will be named as an additional insured on the liability policies and provided a certificate of insurance. The City and Park Board agree that the actions of one entity does not constitute actions by the other entity. The City is not responsible for the actions of the Park Board and the Park Board is not responsible for the actions of the City. Each entity can sue and be sued in their sole capacity.

10. Concession Agreements and Lease Agreements

The Park Board manages the surface leases with the GLO for public beaches. The Park Board will provide a copy of the surface lease to the City of Galveston. The Park Board manages concession agreements on City owned parks managed by the Park Board. The City does not require or request approval of those concession agreements and has no restriction on their terms. Examples of concessions are vendors in mobile carts or trailers selling food, beverages or novelties, or renting umbrellas, chairs, jet skis and watercraft. Any lease of City parks managed by the Park Board, or lease of permanent structures or lease of personal or real property inside of City owned parks, cannot exceed three years without the prior approval of City Council.

Increases in available beach along Seawall Boulevard continue to add new concession areas. As these areas become available, the City will extend concession authority to the Park Board for the public beaches.

11. Permits

The City and Park Board desire to coordinate and provide operational cost savings for activities undertaken on the City's behalf. In that regard, if there is work performed by the Park Board on City owned assets, the City will waive City required permit fees and City required dumpster fees. If the Park Board is contracting with third party vendors to perform the work, all permit fees and dumpster fees are required to be paid to the City and are not waived.

12. Maintenance and Repairs

Net revenues, minus direct operating costs and approved administrative fees approved per park, will remain with the park that produced the revenue. All budgeted capital expenses and maintenance expenses for the parks will be reflected in each parks budget. As set out in City Code Section 26-54 any repairs over $125,000 or aggregated amounts over $125,000 will be submitted to City Council for their approval prior to being implemented. The Park Board will provide copies of the annual maintenance and repair programs as finalized in annual workplans and as scheduled in "Facility Dude" maintenance programming software. The annual maintenance and repair programs will be presented to the City Manager or designee. After 45 days from receipt, if there are no recommended changes or suggestions, the Park Board will assume the City has no recommended changes or suggestions to the maintenance and repair programs.

13. Procurement and Purchasing

The City and Park Board agree they may take part in joint purchases for goods, materials, equipment, supplies and services they may need to carry out their governmental functions, and that all parties will make reasonable efforts to allow the others to make purchases under its agreements. The City and Park Board agree to share the cost of the respective joint solicitations in a fair and equitable manner, to be agreed upon in connection with each such solicitation. An Interlocal Agreement for Purchasing was executed by the City and Park Board memorializing this agreement on April 2, 2019.

14. Marine Debris Removal

The removal of marine debris on public beaches during a declared state of disaster is the duty of the General Land Office as stipulated in Chapter 61 of the Natural Resource Code. Reimbursement of costs incurred in coastal cleanup after a disaster requires coordination and approval of the GLO. The Park Board will continue to work with the GLO concerning this issue.

15. Seawall Boulevard Corridor Improvements and Paid Parking on the Seawall

Incorporated into this Agreement are relevant terms from the May 3, 2016 Interlocal Contract Three Party Agreement for Seawall Boulevard Corridor Improvements, which is terminated.

The capital repair and replacement projects for the Seawall Corridor enhancements are funded from the Paid Parking Program revenues and implemented by the City. The use of the Seawall Parking revenues will be in compliance with GLO regulations governing the use of beach user fees and the requirements of the voter's referendum as set out in the special election. The collecting and accounting for the Seawall Paid Parking Program revenues is as follows: 75% for Seawall Corridor Enhancements including, but not limited to, lighting, bathrooms, showers and litter control, which is funded through debt service or maintenance and operations; 15% to be held in reserve for the replacement of capital improvements and sent quarterly to the City. Administrative expenses charged to the Seawall Paid Parking Program shall not exceed 10% of operational costs and shall not exceed 5% of the previous years adminintrative expenses. Administrative expenses will be based on actual documented administrative costs.

All net revenue remaining will be remitted to the City on a quarterly basis for Seawall Enhancements. Neither the City nor the Park Board have authority to issue free seawall parking permits.

The Park Board will submit the quarterly beach user fee reports as required by the GLO. The City will report to the Park Board its expenditures of beach user fees so they can be included in the fee reports submitted by the Park Board. The Park Board will submit a copy of the GLO beach user fee report to the City when it submits it to the GLO.

The City will review the GLO beach user reports and may ask for additional information from the Park Board concerning the deposits and expenditures of revenue from the Seawall Paid Parking Program.

The City and Park Board will submit BUF reports to the GLO. If the GLO denies a fee submitted by the City, it will be a cost to the City. If the GLO denies a fee submitted by the Park Board, it will be a cost to the Park Board.

The City shall retain all fines collected for failing to purchase parking in the designated spaces delineated in the Seawall Paid Parking Program.

Beach Parks managed by the City (Pocket Parks) and Park Board (Apffel Park, Stewart Beach, Dellanera) will participate in a beach park reciprocity program which allows annual passes sold at their corresponding parks to be honored at all beach park locations. Seawall Urban Park parking spaces are not included in the beach park reciprocity program. Neither the City nor the Park board have the authority to issues free annual passes.

Annual passes sold via the PayByPhone App exclusively for Seawall Beach parking spaces are not included in the beach park reciprocity program and will not be honored at the beach parks.

The PayByPhone contract or the equivalent or replacement will be held by the City. The City will coordinate with PayByPhone or its equivalent to ensure that the Park Board has the ability to directly communicate. The City and Park Board agree to coordinate with each other concerning future contracts concerning the PayByPhone system or other system that affects the collection of paid parking revenue.

The Park Board may be requested to maintain a Call Center for Pay-By-Phone users for the Seawall Parking Program. The costs of the Call Center will be borne exclusively by Seawall Paid Parking revenues. The Call Center will be available 7 days a week from 10am to 6pm.

The City will maintain an island wide contract with G-Techna or its equivalent for the paid parking software. The City will pay all costs for the annual software licensing of G-Techna or its equivalent. The Park Board will purchase and maintain the supplemental G-Techna permit function on behalf of the City which will allow the Park Board to track annual passes and the City to process its residential permits.

The Park Board will provide an annual assessment of the state of capital improvements on the Seawall, and the City may include the Park Board in discussions concerning such improvements on the Seawall.

Capital assets of the Seawall Paid Parking Program shall remain the property of the City. Capital assets acquired via Seawall Paid Parking and other outside funding sources shall be transferred in whole to the Seawall Paid Parking program upon a cash basis payment value of the asset.

The Park Board is not responsible for enforcing parking violations in the neighborhoods and all enforcement in the neighborhoods surrounding Seawall Boulevard remains the responsibility of the City.

The Park Board will be responsible for litter control, graffiti control and rodent control along the Seawall Boulevard beginning at easternmost end and ending at Beach Access Point #4 also known as the 103rd street parking lot. Annually, the City wil pay the Park Board $200,000 for these services. The payment will be paid at the beginning of each fiscal year for the performance of these services. The maintenance and janitorial services including the removal of trash from all newly installed bus shelters and the five restrooms located at 61st, 53rd, 45th, 29th and 19th streets along Seawall Boulevard will be provided by the Park Board. The costs for services to Seawall Corridor enhancements will be an expense of the Seawall paid parking program. The cost of services for the remainder of the Seawall will be an expense of Park Board HOT funds dedicated to Seawall beach maintenance. The cost for the litter control, graffiti control and rodent control along the seawall will be paid with the $200,000 annually from the City's Convention Center Surplus funds..

The Park Board will be responsible for all maintenance and upkeep of Seawall Corridor enhancements including landscaping for the installed planters located at 81st, 61st, 53rd and 33rd streets along Seawall Boulevard. Maintenance and upkeep is to include but not limited to general repairs, weeding, cigarette butt removal and cleaning, as stated above. The City will be responsible for the costs of electricity for all lighting, cost for watering of any decorative vegetation and all capital costs for repairs or replacement of the lighted bollards, restrooms, bus shelters, and the structures at Fort Crockett Park. Costs for these services will be an expense of the Seawall Paid Parking program. Corridor restroom, landscaping, and the bus shelter servicing and cleaning costs will constitute part of the maintenance and upkeep costs of Seawall Improvements and will be included in the Seawall Paid Parking annual budget submitted by the Park Board.

The Park Board will make recommendations to the City for needed capital replacements or major repair based on the previous year's servicing and other field observations. Major damage to Seawall Corridor enhancements will be reported to the City as soon as possible.

16. Park Closures

On or before March 1st the Park Board and City will share a list of potential park closure dates for traffic control, security or public safety purposes to be submitted to the GLO jointly for approval. The Park Board and City agree that if public safety is threatened, prior notice for closures may not be required. The Park Board will notify the City Manager or designee immediately upon the decision to close a recognized beach access point due to safety or health concerns. The City will notify the Park Board if the City elects to close recognized beach access points due to safety or health concerns.

17. Collection of Hotel Occupancy Taxes (HOT)

The collection of HOT is set out in the November 17, 2014 Interlocal Cooperation Agreement between the City and Park Board of Trustees for Matters Relating to the Seawall Paid Parking Program, the East End Lagoon, West Beach Maintenance, Seawall Litter Cleanup and Local Hotel Occupancy Tax Collections which is terminated, and all relevant terms are included in this

Agreement. The Administrative Agreement which delineated responsibilities in the November 17, 2014 Interlocal Agreement are also terminated.

Reports concerning the HOT collections are provided to the City monthly. The Park Board shall maintain complete and accurate financial records for the collection of all HOT taxes and the Park Board will provide the City monthly reports of HOT collections that delineate HOT payments, interest and penalties collected. Final reports will be sent to the City's Finance Director monthly no later than the end of the following month of collections.

Monthly HOT reports will include a listing of all paid accounts. Accounts that are over 30 days delinquent will be issued a "payment past due and late fee" notification by the Park Board. Accounts that are 90 days delinquent shall be referred to the City Finance Director along with all supporting data. All collected fines and penalties are paid to the City. All interest paid remains with the HOT account. The City is solely responsible for negotiating and/or resolving all disputed HOT issues. All expenses incurred with the collection and disbursement of HOT is a Park Board expense. Any costs associated with litigation or disputes over HOT is a City expense.

The Park Board will work collectively with the City Auditor on the development of an annual audit calendar. The Park Board will select and contract the independent auditor to conduct the annual audits.

The City Auditor will develop selection criteria to ensure a statistically accurate sample of HOT accounts is audited each fiscal year. Utilizing these criteria, the City Auditor will provide a list of accounts subject to the independent audit firm consistent with the approved audit calendar.

The City retains the right for the City Auditor to conduct a contemporaneous audit of HOT contributions from local properties. The Auditor will obtain City Council approval in advance of conducting this type of review.

As per City Ordinance, the Park Board will collect a $50 registration fee for each new short-term rental (STR). Any property not previously listed on the HOT rolls who wishes to enroll as a STR will be required to pay a onetime $50 fee. All generated registration fees will accrue at the Park Board. The Park Board distributes HOT as required by state statute, bond obligations and City directives.

18. Special Events, excluding Mardi Gras, on the Seawall

Special Events sometimes occur on the Seawall. When an Event promoter, other than for Mardi Gras, desires to have an event on the Seawall, they must pay a BUF if any paid parking spaces on the Seawall are unavailable to the public. The City of Galveston is responsible for the negotiation of all special event contracts which close city streets. The Park Board is responsible for the collection and reporting of BUF on the Seawall and if this situation occurs, accounting and reporting must be made to the GLO. When a contract is signed with a promoter, the Park Board will be provided a copy of applicable sections to facilitate and support its BUF reporting. Payments for the spaces will be invoiced by the Park Board based on copies of the contracts

from the City and paid in the month that they are occupied by the promoter. Additionally, spaces accounted for in the Beach Access Plan that have been allocated for commercial use will be inventoried and invoiced annually. Copies of the invoice and payments will be submitted to the Park Board for inclusion in the quarterly BUF report.

19. Seaweed Removal from the Pocket Parks Beachfront

The Park Board will conduct seaweed relocation services as the Pocket Parks as scheduled at Dellanera Park. The cost of personnel and equipment for this seaweed relocation will be invoiced as set out in paragraph 21. The Park Board will provide relocation as required by law and in compliance with the Park Board's permit SWG-2014-00448. The Park Board will not provide beach grooming services.

The City will obtain all relevant GLO required permits for beach cleaning and provide a copy to the Park Board by March 1st of each year. If the City has not processed the appropriate permits, the Park Board will not be obligated to provide services.

20. Trash Pickup and Lifeguard Services on the Public Beaches

The Park Board receives HOT funds dedicated to clean, maintain and provide lifeguard services at public beaches as defined in Texas Natural Resource Code section 61.063. There is no requirement for lifeguard towers in the west end. The location of the lifeguard towers is at the discretion of the Park Board and Galveston Island Beach Patrol.

The City will advise its vendors at the pocket parks that trash cans maintained by the Park Board are for public use only and not for vendor business operation usage.

21. Funding for Services to Clean and Maintain Beach Access Points and the Seawall Beach

"Clean and Maintain" beaches as described in Natural Resource Code Sec. 61.063 means the collection and removal of litter and debris and the supervision and elimination of sanitary and safety conditions that would pose a threat to personal health or safety if not removed or otherwise corrected and includes the employment of lifeguards, beach patrols and litter patrols.

The Park Board receives HOT funds to promote tourism, provide lifeguarding services and to clean and maintain public beaches with the exception of Jamaica Beach and the Galveston Island State Park. The Park Board will maintain public beaches, select City of Galveston beach access points and the Seawall beaches free of litter and debris, provide solid waste removal, maintain vehicular access, maintain signage, inform the City of needed replacements and replace bollards and place temporary bathrooms at access points designated by the City.

The Park Board will assume all costs related to the provison of services detailed in Section 21, which include: maintaining the beach, as defined below, free of litter and debris, providing solid waste removal, maintaining vehicular access, maintaining signage is erect and informing

the City of needed replacements of signage, replacing bollards and placing temporary bathrooms. All of these costs will be allocated from the HOT collected for this service.

The area of responsibility for this service includes the coastline from the water's edge to the dune area from East Beach to San Luis Pass, with the exception of Jamaica Beach and the State Park. Additional areas include City of Galveston recognized Beach Access Points, with the exception of off-beach Access Points.

The Park Board will also maintain the Seawall earthen beach access ramps and indemnify, to the extent allowed by law, the City and County of Galveston.

The Park Board will maintain signage at the on beach access points and adjoining beachfront. The City will provide the signage at its costs and a master list of required signage at all beach on beach access points. Any non-beachfront signage or bollards needed at thepocket parks or pocket park parking lots will be the responsibility of the City. The Park Board will install, maintain and repair all bollards on the beachfront and acesss ponts. The City will provide a master list of signage at all beach acess points to guide the Park Board in its responsibilities. The city will also provide copies of updated and adopted bach access plans and needed signage changes associated with those updates.

Park Board litter, debris and vehicular access control at west-end beach access point entrances begins at the end of the asphalt roads leading to the access point. Park Board litter and debris control at Boddecker Drive begins at the Apffel Park east entrance and ends at the Seawall blvd. intersection. Park Board litter and debris control at Apffel Park Road ~~and East Beach Drive~~ beginning at the Apffel Park west entrance and ends at the intersection connecting Apffel Road and East Beach Drive.

The Park Board may request the use of City equipment and City personnel to operate the equipment. If this occurs, the Park Board will pay the City the actual cost of the personnel and the equipment cost using the most recently published FEMA Schedule of Equipment. The City will invoice the Park Board for these services. The Park Board may dispute any amount they disagree with by doing so within 20 business days of receiving the invoice. If no objection is made within 20 business days, the City may assume there is no dispute and the Park Board will pay the invoiced amount within 30 days.

The City may request the use of Park Board equipment and Park Board personnel to operate the equipment. If this occurs, the City will pay the Park Board the actual cost of the personnel and equipment cost using the most recently published FEMA Schedule of Equipment. The Park Board will invoice the City for these services. The City may dispute any amount they disagree with by doing so within 20 business days of receiving the invoice. If no objection is made within 20 business days, the Park Board may assume there is no dispute and the City will pay the invoiced amount within 30 days.

The Park Board will install, maintain and repair all bollards on the beachfront and access points. The Park Board will not be responsible for repairs or capital improvements to the City or privately -owned beach walk over ramps.

22. East End Lagoon Nature Park

The City owns an area north of Apffel Park known as the East End Lagoon (EEL). By City Ordinance the City assigned management and control of the EEL to the Park Board. The Park Board maintains an advisory committee, which includes a representative from the City, to offer suggestions for the development of the EEL and seek funding to support future improvements.

The City will make its best efforts to locate a funding source for infrastructure improvements such as drainage management and make its best efforts to upgrade Boddeker Drive.

The City and Park Board have agreed on a five year development plan for East End Lagoon. The plan, while authorized, will require approval of all capital expenditures as stipulated in City Code §26-54. The Park Board will actively seek grant funds for the proposed projects and request minimal financial support from the City of Galveston for the initial five years of the development plan.

23. Revenue Sharing

The Park Board is committed to deliver to the City three payments. The first payment is for the fiscal year 2018-2019 in the amount of $200,000 and is due at the commencement of this agreement. The second payment is for the fiscal year 2019-2020 in the amount of $250,000. The third payment is for the 2020-2021 fiscal year in the amount of $300,000. The second and third payments are due at the close of each corresponding fiscal year. The $300,000 payment will continue annually as long as the agreement is in effect and not changed by mutual agreement of the parties.

The Park Board and City understand that there may be serious man-made, natural weather or press related incidents that could significantly impact park admissions for that season which would affect the ability to make revenue sharing payments. If there is a situation that warrants a reduction in a payment, the Park Board will submit the request for the reduction and the reason for the request to the City Council. The City Council will have the final decision concerning any reduction in a revenue sharing payment..

24. Indemnification

THE CITY SHALL, TO THE EXTENT ALLOWED BY LAW, HOLD HARMLESS, INDEMNIFY AND DEFEND THE PARK BOARD, ITS OFFICERS, AGENTS AND EMPLOYEES FROM ANY LIABILITY, CAUSES OF ACTION, DAMAGES, JUDGMENTS, COSTS, CHARGES, EXPENSES AND ATTORNEYS' FEES ARISING FROM OR UNDER THE ACTIONS OF THE CITY, ITS OFFICERS, AGENTS OR EMPLOYEES.

THE PARK BOARD SHALL, TO THE EXTENT ALLOWED BY LAW, HOLD HARMLESS, INDEMNIFY AND DEFEND THE PARK BOARD, ITS OFFICERS, AGENTS AND EMPLOYEES FROM ANY LIABILITY, CAUSES OF ACTION, DAMAGES, JUDGMENTS, COSTS, CHARGES, EXPENSES AND ATTORNEY'S FEES ARISING FROM OR UNDER THE ACTIONS OF THE CITY, ITS OFFICERS, AGENTS OR EMPLOYEES

25. No Assignment

This Agreement shall not be assigned in whole or in part.

26. Notice

Any notice required to be given shall be deemed to have been given when sent by mail, hand delivery or email address to the City Manager or the Park Board Executive Director.

This Agreement is effective upon the signing by all parties.

City of Galveston
Office of the City Manager
Brian Maxwell
832 Rosenberg
Galveston, Texas 77550
Phone: 409-763-6564
Fax: 409-762-8911

By:_____

Date:_____

Park Board of Trustees
Executive Director
Kelly de Schaun
601 23rd Street
Galveston, Texas 77550
Phone: 409-797-5000

By:_____

Date:_____

EXHIBIT B

1. Texas Local Government Code Section 306.011 et seq.
2. Texas Local Government Code, Chapter 102 (Municipal Budget)
3. Texas Local Government Code, Chapter 252 (Municipal Authority to Purchase and Contract)
4. Texas General Land Office (GLO) Beach User Fee requirements (BUF)
5. Local Hotel Occupancy Tax (HOT) rules including a limitation of actual administrative costs not to exceed 10%
6. City of Galveston Codes of Ordinances Section 26-52 (Records)
7. City of Galveston Codes of Ordinances Section 26-54 (Areas Under the Control of the Park Board)
8. Texas Tax Code Section 156.2511 (HOT for beaches)
9. Texas Natural Resource Code Sec. 61.063 (Clean and Maintain Beaches)
10. Texas Tax Code Chapter 351 (Collection and Distribution of Local HOT)
11. City Ordinance 15-002 (operation of short-term rentals)
12. May 14, 2011 Special Election for the authorization to charge a fee for parking on the Seawall
13. List of City of Galveston Beach Access points maintained by the Park Board

Exhibit A

The following property owned, leased, or otherwise under the care, control and custody of the city are hereby placed under the management and control of the board created in this article:

Recreational parks known and designated as;
R.A. Apffel Park
East End Lagoon Nature Park
Big Reef Nature Preserve
Stewart Beach Park
Seawall Urban Park
Seawall Boulevard
Seawall Beach
Dellanera Park
Seawolf Park

Litter and Debris Control along the Coastline from the water's edge to the dune area or base of Seawall from East Beach to San Luis Pass including west-end Beach Access Point entrances.

Seawall Earthen Beach Access Ramp Maintenance

Litter, Debris, Rodent and Vegetation Control along the Seawall Boulevard beginning at the easternmost end and ending at Beach Access Point #4 also known as the 103rd street parking lot

Litter and Debris control along Apffel Park Road beginning at the R.A. Apffel Park west entrance and ending at the intersection connecting Apffel Road and East Beach Drive.

Litter, Debris and Sand Drift control along Boddecker Drive beginning at the R.A. Apffel Park east entrance and ending at the Seawall blvd

The Park Board shall not responsible for maintaining the Jamaica Beach and the Galveston Island State Park coastline

Nothing is this agreement shall be construed to be in contravention of City Code section 26-54 (c) which provides as follows:

For purposes of this section, the term management and control shall not be construed to:

1) Authorize the park board of trustees to enter into leases with third parties exceeding a period of three (3) years. Any lease for a period in excess of three (3) years including options to renew shall be submitted to city council for approval.

(2) Authorize the park board of trustees to make any new capital improvements on the property placed under their management and control without the prior approval of council; or

3) Authorize the park board of trustees to undertake any maintenance or repair of existing structures if the cost of such maintenance or repair exceeds one hundred twenty-five thousand dollars ($125,000.00) without the prior approval of council.

CITY OF GALVESTON

2020 COUNCIL MEETING DATES

JANUARY 23

FEBRUARY 27

MARCH 26

APRIL 23

MAY 28

JUNE 25

JULY 23

AUGUST 13

AUGUST 27

SEPTEMBER 10

SEPTEMBER 17

OCTOBER 22

NOVEMBER 12

DECEMBER 10

PROPOSED

City Council
Development Services Department
City of Galveston
October 9, 2019

19P-030 STAFF REPORT

ADDRESS:
Adjacent to One Moody Plaza/1902 Market/Avenue D

LEGAL DESCRIPTION:
Adjacent property is legally described as Block 559, in the City and County of Galveston, Texas

APPLICANT/REPRESENTATIVE:
Scott Webb

ADJACENT PROPERTY OWNERS:
American National Insurance Company

EASMENT OWNER:
City of Galveston

ZONING:
Central Business (CB)

REQUEST:
License to Use

APPLICABLE REGULATIONS:
Section 13.203 of the LDR
Chapter 32-5 Code of Ordinances

STAFF RECOMMENDATION:
Approval

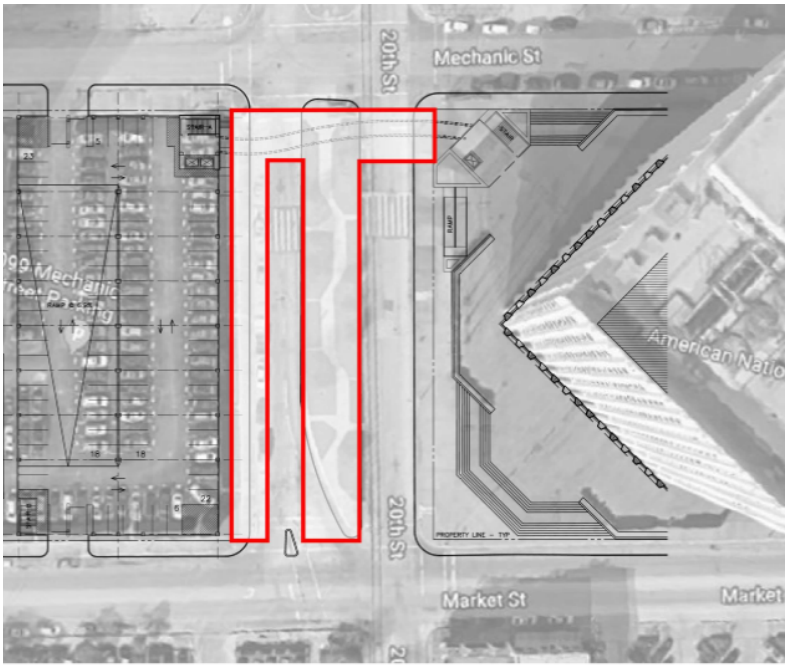
EXHIBITS:
A – Draft LTU
B – Applicant's package

STAFF:
Tim Tietjens,
Director
409-797-3668
ttietjens@galvestontx.gov

Public Notice and Comment:

Sent	Returned	In Favor	Opposed	No Comment
46	21*	20	1	

Per Section 13.808 of the Land Development Regulations and state law, written public notice of this request is required. Public notices are sent to all property owners within 200 feet of the subject site and are sent to the address on file with the Galveston Central Appraisal District. Staff conducted numerous public hearings on the previous proposal. Several property owners objected to the pedestrian plaza, but requested the applicant to instead consider constructing a raised pedestrian bridge. This hearing is an extra hearing addressing the project after the applicant chose to use a raised pedestrian bridge instead of the elevated plaza. *Courtesy notices were additionally sent out, and this documentation of responses includes those since the project was revised to include the raised pedestrian bridge.



DLR Group

Executive Summary:

The applicant is requesting a License to Use a portion of the 20th Street right-of-way between Mechanic/Avenue C and Market/Avenue D, including improvements over both the street and

sidewalk areas, approximately 0.45 acres in size. The applicant is proposing to construct a raised pedestrian bridge across 20th Street from the adjacent parking area to the office building and pavers at grade level. Also proposed is additional green space along the west side of 20th Street with a relocated public sidewalk. The median is intended to contain a series of terraces that provide historical context to the original city hall location. The existing street lanes are to remain open to traffic and continue to serve mass transit trolley system and emergency vehicles at current grade.

The request supplants a previous request for an LTU that would have considered a raised pedestrian plaza and certain drainage improvements. It was also subsequently revised further to relocate the proposed pedestrian bridge from a mid-block location to the north end of the block to accommodate subsurface conditions of ANICO campus area.

Zoning and Land Use

Location	Zoning	Land Use
Subject Site	Central Business (CB)	Right–of –Way
North	Central Business (CB)	Commercial/Residential
South	Central Business (CB)	Commercial/Residential
East	Central Business (CB)	Commercial
West	Central Business (CB)	Parking

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Impact on Transportation System

There is an no impact to the transportation system as all vehicular traffic lanes would remain open in this proposal. Traffic counts indicate a minimal amount of vehicular daily traffic on 20th Street. The mass transit trolley system would remain unimpacted, although a bridge would be constructed over the trolley lane and the traffic lanes at a prescribed height that was precleared in a previous bridge proposal (minimum 17 feet clearance from existing grade). The 20th street corridor would contain a widened and relocated sidewalk within the west side of the right of way replacing the existing sidewalk within the existing median. The resulting additional green space would accommodate more pedestrian movement to the public transit system and potential transit riders may prefer to use the extensive parking available in adjacent proposed parking structure as an alternative to beach parking. There would be a reduction of approximately eight parallel parking spaces along the southbound right of way, but the proposed parking structure will accommodate several hundred additional parking stalls, freeing up spaces currently used by those visiting the ANICO Tower. Both the street and the trolley system would retain their alignment and elevation. Portions of the surface under the proposed bridge would be replaced with decorative concrete/brick paver systems at or slightly below current grade level. Although not a part of this proposal, the 20th Street pedestrian design proposed within this block enables a greatly enhanced future pedestrian corridor along 20th Street to the Strand area and areas to the south.

Impact on Public/Private Utilities and Services

The comments offered by the Public Works Department regarding impact on the trolley system are no longer applicable. However, the following comment regarding installation and maintenance of the pavers is offered:

- Applicant shall be responsible for maintaining the brick pavers as proposed.
- In the past, this section of track experienced settling caused by a cavity created by the overwatering of the median. At that time, the cavity was filled with an expansive grout and some track drains were installed. Placement of pavers outside of the track footprint will require engineering analysis to the degree that it impacts the drains and the subbase.

Island Transit has the following comments regarding the trolley system:

- In order to avoid impact on the existing trolley tracks and FTA engagement, it is suggested that the applicant avoid modification of pavement within the trolley track footprint area.

The Public Works Department has the following comments regarding public utilities located in the 20th Street right-of-way:

- Dead-end 6 inch waterline on the west side of 20th Street from Mechanic Street that dead ends at the Mechanic/Market Street alley. This waterline could possibly be taken out of service. If it stays in service, there should be no bridge support constructed over the waterline.
- Continuous 10 inch waterline on the east side of from Mechanic Street to Market Street. There should be no bridge support constructed over the waterline
- Continuous 12 inch sanitary sewer line in the center of 20th Street from Mechanic Street to Market Street. There should be no bridge support constructed over the sewer line.
- Continuous 15 inch storm sewer line in the central/west side of 20th Street from Mechanic Street to Market Street. There should be no bridge support constructed over the storm sewer line.
- Continuous 30 inch storm sewer line in the central/east side of 20th Street from

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Mechanic Street to Market Street. There should be no bridge support constructed over the storm sewer line.

- All manholes and valve boxes for the water and sewer would need to be adjusted.

Impact to Public Safety or Traffic: The Fire Department requires unimpeded access to the connection at all times. The Fire Department also needs to be able to access all sides of the parking garage which is proposed for the lot on the west side of 20th Street.

The design of the bridge should not limit the accessibility by emergency personnel and the equipment thereto.

Historic Considerations

Historic District or Potentially Eligible Historic District: The subject site was the location of both Galveston's first and second City Halls. The first City Hall is the subject of a Texas Historical Commission plaque installed at the site in 2014. The text of the plaque is as follows:

During the 1830s, an informal, outdoor market started in the half-block north of Market Street between 20th and 21st streets. In 1846, mayor John Sydnor hired Ives and Crow to build a 260-foot long structure in the center of 20th Street between Mechanic (C) and Market (D) streets to serve both as a produce market and as the city hall. The Colonial style white frame building had four dormer windows and a roof cupola. The ground floor originally housed 34 meat, vegetable and coffee stalls, with the city offices, including the police department, and a large public meeting hall located on the second floor. A fish market operated across the street. Galvestonians celebrated the building's opening with a grand ball. The market stalls were stocked with produce, meat, fish and other goods brought in from the bay area on catboats that landed at the nearby Brick and Kuhn's Wharves. Before the Civil War, annual stall rents ranged from a high of $100 (meat) to a low of $35 (fish) and the city added a 100-foot extension to meet the demand for stalls. On Oct. 7, 1862, Galvestonians gathered in the market and voted to peacefully accept Union occupation. Having escaped damage during the Civil War, the market house survived serious threats from fire in 1865 and again in 1885. Installed in 1867, a bell in the cupola rang to tell the time of day. After the Civil War, critics found the market house run-down, but expense deterred renovation. One of the last improvements occurred in 1874 when the city installed pavers. An attempt to use the attic as a holding cell in the 1870s ended when a woman prisoner broke through the roof. In 1888, a new three-story stone building replaced the 1846 frame structure.

The first City Hall was replaced in 1888 with a new structure described by the Galveston Architectural Guidebook as "Alfred Muller's deliciously overwrought Victorian City Hall". The third City Hall was constructed in 1916 at its current location. After that time, the second City Hall continued to serve as a fire station until it was damaged and demolished following Hurricane Carla in 1961. The civic use of this site explains why the street is unusually wide – 130 feet versus the standard 80 feet.

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This history should be acknowledged in the design of median and represented geographically. The plaque should remain in place.

Conformance with the 2011 Comprehensive Plan and Historic Downtown Master Plan

The 2011 Comprehensive Plan states that it is the City's duty to balance the desires of private individuals with the protection of the public land.

> **T-4.2 Ensure Appropriate Use of Public Rights-of-Way**
>
> *The City has a duty to balance the desires of private individuals with the protection of the public land.*
> *For abandonment requests in the Urban Core, the Planning Commission and City Council should consider the importance of retaining Galveston's grid pattern. The grid pattern was established in 1838 by the Galveston City Company and has been the most important factor in shaping the City's physical appearance. Due to the importance of the grid, the Landmark Commission should explore protection of the grid through the Galveston Landmark program. The ITC has passed a Resolution recognizing the importance of the grid as a component of the City's transportation system. The grid provides views and access to Gulf breezes for Urban Core residents. Continued public access to bodies of water should be a consideration in the abandonment process. No rights-of-way that provide public access to bodies of water should be abandoned.*

The Historic Downtown Master Plan of 2010

The Historic Downtown Master Plan set goals for acquisition of both open space and regional parking in downtown
Goal 7 of the plan calls to "create a holistic public space that can become an icon for community pride and social functions for the greater region"
Page 14 of the plan graphically represents the desired locations for four sub-regional parking facilities sought, and sets the goal of "providing Parking in 4 parking structures, allowing parking lots to become infill development sites and public parks". The parking structure proposed by ANICO is located exactly where the plan sought the structure and will thereby free up other surface lots space owned by ANICO to potentially be used for aesthetic open space and infill purposes

Staff finds that while the originally proposed abandonment was not in conformance with the Comprehensive Plan, the proposed LTU allows the right of way to continue to be retained in the public ownership realm. The License to Use process is a prudent way to ensure that it be retained for its ultimate future use while being used by the public in ways contemplated by city plans in the shorter term. The process also allows for construction of a relocated public walkway with appropriate landscaping infrastructure within the west 25 feet of right-of-way at no cost to the taxpayers of the City of Galveston. It fulfills important goals of the Historic Downtown Masterplan as noted above, especially in conjunction with the proposed parking structure. It is consistent with and supportive of the redevelopment efforts being planned for nearby building reuse and rehabilitation. It provides badly needed parking and access to regional transit facilities. It provides for the potential reuse of other

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surface parking areas.

Placement and construction of a raised pedestrian bridge does not impact the use of the right of way if constructed at the prescribed height. There is public benefit in that the bridge lessens pedestrian congestion at the roadway intersections during high volume ingress/egress of the adjacent sites. The notion of grade-separated pedestrian access ways is common in many cities, both for public systems and connection to private buildings. This is in no way inconsistent with such systems and represents no impact to the right of way envelope.

Staff Recommendation

Staff recommends the request be approved with the following conditions:

Specific Conditions:

1. The elevated pedestrian bridge is subject to the following criteria:
    - Lowest horizontal component shall be constructed to an elevation of not less than seventeen feet above the existing grade of the trolley tracks and the roadway lanes.
    - Plans shall generally conform to the design schematic included in this report.
    - Bridge construction plans shall be engineered to standards required for commercial wind-load construction and shall be submitted for and successfully receive a city permit.
    - Because the LTU term is renewable through the life of the structure, a structural engineering assessment shall be required to be submitted by the applicant within 60 days of a weather related, declared city emergency wherein wind speed reached 110 mph or greater within the City of Galveston.
    - Installation shall be at the cost of the applicant and maintenance shall be by the applicant throughout the term of the LTU.
    - The applicants design shall ensure no bridge supports columns on or over any public/private utilities and services determined to be present, including but not limited to:
        - 6-inch waterline,
        - 10-inch waterline,
        - 12-inch sanitary sewer,
        - 15-inch storm sewer,
        - 30-inch storm sewer,
        - Vehicular access for the Fire Department
        - Access for the trolley,
2. The grade-level decorative pavement, landscaping and the historic footprint terraces are subject to the following criteria:
    - The applicant shall agree that all constructed grade-level improvements within the right of way will be open to the public.
    - Construction shall be prohibited in trolley footprint area.

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- Open vehicular access on roadway travel lanes and trolley track shall persist for general traffic, emergency vehicles, and trolley system facilities
- The grade-level decorative pavement within the existing roadway improvements shall be constructed at or below the current elevation of the roadway and there shall be no adverse impact on drainage patterns. Such plans shall be verified to the satisfaction of the City Engineer.
- Any existing speed bumps shall be removed.
- The applicant shall provide a landscape/streetscape plan that generally meets the designs shown in the design schematics attached to this report.
- Construction plans for the decorative masonry/pavers, terrace area, landscape and irrigation improvements will be required to be permitted by the city
- Installation and maintenance of the decorative masonry/pavers, terrace area, landscape and irrigation improvements will be at the cost of the applicant throughout the term of the LTU.
- Landscaping improvements shall be maintained by the applicant in a healthy condition. Dead material shall be removed and/or replaced promptly
- The term of this approval shall be consistent with the term of the LTU.

Standard conditions for an LTU:

LICENSEE UNDERTAKES AND PROMISES TO HOLD THE CITY OF GALVESTON HARMLESS AND TO INDEMNIFY AND DEFEND IT AGAINST ALL SUITS JUDGMENTS, COSTS, EXPENSES AND DAMAGES THAT MAY ARISE OR GROW OUT OF THE USE OR GRANT OF THE LICENSE TO USE CITY RIGHT-OF-WAY UNDER THIS AGREEMENT REGARDLESS OF FAULT;

D. **Compliance with City Code provisions**. Licensee shall also comply with sections 32-5 (c)(1), (c)(2), and (c)(3) of the City Code, as amended, governing permanent licenses to use. Licensee must obtain all applicable permits and pay all required fees;

E. **Effective date**. The effective date is upon approval of both parties, whichever is later.

F. **License granted subject to utility easements**. The Licensee and all of the Licensee's rights granted are expressly conditioned upon open access at all times, to utilities,, whether public or private owned, to the property made subject of the License, including the right to enter the property and for the purpose of excavating, repairing, replacing, locating and maintaining such utility facilities, if any;

G. **City's Right of termination.** The City does retain the right and option to cancel the License and terminate all rights of the License upon ninety (90) days written notice of such cancellation and termination, sent to Licensee at the mailing address provided herein; and, Licensee agrees and shall be obligated to vacate the property made subject of the license and to remove all improvements and/or obstruction located thereon at Licensee's own expense prior to the expiration of said 90-day notification period;

H. **Intentional** or knowing non-compliance with any term or condition of the license is cause for license revocation. The Director of Planning shall follow the revocation process as required by Section 32-5(c)(7);

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I. **Complete agreement**. This Agreement constitutes the entire agreement between the City and Licensee. No agreements, modifications, implied or otherwise, shall be binding on any of the parties unless set forth in writing and signed by both parties;

J. **Severability clause**. The phrases, clauses, sentences, paragraphs or sections of this Agreement are severable and, if any phrase, clause, sentence paragraph, or section of this license to use agreement should be declared invalid by the final decree or judgment of any court of competent jurisdiction, such invalidity shall not affect any of the remaining phrases, clauses, sentences, paragraphs and sections of this Agreement;

K. **Applicable law.** The City and Licensee agree that this Agreement shall be construed in accordance with the laws of the State of Texas and that venue is proper in Galveston County; and,

L. **Notice**. Any notice required to be given pursuant to the terms and provisions of this Agreement shall be in writing and shall be mailed by certified or registered mail, addressed as set forth in the LTU.

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EXHIBIT A

DEVELOPMENT AND LICENSE TO USE AGREEMENT

This Agreement, is between the City of Galveston, a home-rule municipality with a principal office at 823 Rosenberg, Galveston, Texas 77550 (the "City"), and the Applicant, American National Insurance Company, (ANICO), principally located at One Moody Plaza, Galveston, Texas, 77550.

This Agreement consists of the grant of a License to Use (LTU) to occupy a portion of certain downtown City Right of Ways (Project Area) and a Development Agreement of amenities and capital improvements for the mutual benefit of ANICO and the City.

WHEREAS, ANICO, (Licensee) has proposed to develop, install and maintain a pedestrian bridge and improvements on or across City right-of-way placed in the project area commonly known as, a portion of 20th Street between Market and Mechanic Streets in Galveston Texas as attached hereto and described in Attachments "A and B".

WHEREAS, the City finds the execution of this agreement to be in the best interest of the health, safety and general welfare of the citizens of the City of Galveston ("City") and that it is not inconsistent, nor will it interfere, with any present City use of the property.

WHEREAS, this agreement is for the development of the Pedestrian Bridge across 20th Street and Landscaping Improvements, including attached special conditions, pertaining to the same.

NOW, THEREFORE, the City and ANICO, in consideration of the promises, covenants, and conditions hereby mutually agree as follows:

The City agrees to grant a license to use to the licensee to occupy, maintain and utilize the project area in conformity with the provisions of this agreement.

The Licensee and City agree as follows:

A. Licensee shall pay to the City the following fees for such license to use the city right of way in the project area:

   1. Licensee shall pay to the City of Galveston, the application fee prior to this agreement being submitted to City Council.
   2. Licensee shall pay to the City of Galveston, an annual license renewal fee, as determined by the City. Said fee is due and payable within 30 days of Licensee being invoiced by the City at the address provided herein.
   3. In accordance with Section N, herein, the City shall automatically revoke and or suspend any license that is not renewed timely. In the event a license to use is revoked or suspended for failure to timely renew the same, the Licensee may reapply for a license, and pay any associated late or other applicable fees.

B. The term of this License is for twenty-five (25) years and subject to renewal as provided herein. Not less than ninety (90) days, nor more than one hundred and twenty (120) days before expiration of the license, Licensee may apply for a renewal permit. Licensee shall submit such renewal permit request in writing to the Development Services Department, in the manner prescribed by the Development Services Department. This License may sooner be terminated according to other terms and provisions contained in this Agreement.

C. The City and Licensee agree that the subject licensed area(s) is granted subject to the conditions, terms and reservations set out in this Agreement and in the attached Special Conditions.

D. IN ACCORDANCE WITH STATE LAW, LICENSEE SHALL AND PROMISES TO HOLD THE CITY OF GALVESTON HARMLESS AND TO INDEMNIFY AND DEFEND IT AGAINST ALL SUITS, JUDGMENTS, COSTS, EXPENSES OR DAMAGES THAT MAY ARISE OR GROW OUT OF THE USE OR GRANT OF THE LICENSE TO USE THE CITY RIGHT-OF-WAY UNDER THIS AGREEMENT. LICENSEE SHALL NOT BE RESPONSIBLE, FOR ANY LOSS, DAMAGE, LIABILITY OR EXPENSE ON ACCOUNT OF DAMAGE TO PROPERTY AND INJURIES, INCLUDING DEATH, WHICH MAY ARISE FROM THE SOLE NEGLIGENCE OF THE CITY.

E. **Compliance with City Code provisions**. Licensee shall comply with applicable sections of the City Code, as amended, governing permanent licenses to use. Licensee must obtain all applicable permits and pay all required fees;

F. **Compliance with Laws.** Notwithstanding this grant of the License to Use, Licensee shall continue to be obligated to comply with any law, regulation or ordinance governing the construction and placement of the Pedestrian Bridge and Landscape Improvements on or across the City's right of way. To the extent that any provisions in this License conflict with any law, regulation or ordinance governing construction and the placement of the Pedestrian Bridge or Landscape Improvements on or across the City's right of way, the more stringent requirements shall control.

G. **No Release.** Licensee acknowledges and agrees that Licensee is not released by the City from the responsibility or liability for damage to the right of way or City's property or facilities located within the right of way that may result from the construction, placement,

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operation and/or existence of the Pedestrian Bridge or Landscape Improvements within the City's right of way.

H. **Successors and Assigns.** This License shall be binding upon Licensee and Licensee's successor and assigns. Licensee may not assign this License in whole or in part without the prior written consent of the City. In the event of an assignment by Licensee to which the City has consented the assignee shall agree in writing with the City to personally assume, perform and be bound by all the covenants and obligations contained in this License.

I. **Governing Law and Venue.** This License shall be construed under and in accordance with the laws of the State of Texas, with jurisdiction in the courts of the State of Texas and venue in Galveston County.

J. **License granted subject to utility easements**. The Licensee and all of the Licensee's rights granted are expressly conditioned upon open access at all times, to utilities, whether public or private owned, to the property made subject of the License, including the right to enter the property and for the purpose of excavating, repairing, replacing, locating and maintaining such utility facilities. The Licensee acknowledges that there are waterlines, sanitary sewer lines and storm water drain line within the project area and other utility lines may be present within the project area.

K. **Relocation or Removal for Repairs.** If the City determines, in its sole discretion that in order for the City to repair, replace, maintain, or alter the right of way or City's property or facilities located on, over, or beneath the right of way, and that it is reasonably necessary for Licensee to alter, relocate, or remove the Landscape Improvements within or from the right of way, as the result of City's actions, Licensee shall solely bear the cost of repairing, replacing, or otherwise reconstructing any portion of the Landscape Improvements that may need to be relocated, altered, or removed by Licensee, with such relocation being at a place required by the City.

L. **Relocation or Removal for Safety.** If the City determines in its sole discretion and upon reasonable engineering standards that the Landscape Improvements pose a hazard to the public or may interfere or impede traffic safety in any way, the Landscape Improvements must be modified, relocated or removed at the Licensee's sole expense upon written notice from City.

M. **No Abandonment of Right of Way.** It is understood that by execution and granting of this License, the City does not impair or relinquish the City's right to use the right-of-way for any other purpose, nor shall use of the right of way by Licensee under this License ever be construed as abandonment by the City of the right of way. The City does not purport to grant any real property interest in the right of way, but merely consents to such use by Licensee to the extent of the City's authority and title permits.

N. **Termination.** Either party may terminate this Agreement upon (180) days prior written notice to the other party. Written notice of termination, shall be sent to Licensee or City, respectively, at the mailing addresses provided herein. If the License is terminated, the Licensee agrees and shall be obligated to vacate the property made subject of the license and to remove all improvements and/or obstruction located thereon at Licensee's own expense prior to the expiration of the termination date identified in the notification document.

    a. **Licensee Default.** If the City determines that Licensee is not meeting the terms of this License, the City may send a notice of default to Licensee and provide to Licensee a minimum of 30 days to cure the alleged default. If

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Licensee fails to cure a default within such 30-day period, or to initiate and to diligently pursue cure of any default that cannot reasonably be cured within such time, the City may terminate this License by sending notice of termination to Licensee.

b. **Non-renewal of permit**. In the event a license to use is revoked for failure to timely renew the same, the Licensee may reapply for a license, as if a license had never been issued. The decision to renew this agreement shall be made by City Council. If the City Council determines not to renew the agreement, the City will determine whether the premises may remain with the improvements in place or be returned to their pre-agreement condition. If the City determines to have the project area returned to its pre-agreement condition, the Licensee (Applicant) shall accomplish the same within one hundred and twenty (120) days or as mutually agreed by the parties.

O. **Intentional** or knowing non-compliance with any term or condition of the license is cause for license revocation. The Director of Development Services shall follow the revocation process as required by City Code;

P. **Complete agreement**. This Agreement constitutes the entire agreement between the City and Licensee. No agreements, modifications, implied or otherwise, shall be binding on any of the parties unless set forth in writing and signed by both parties;

Q. **Severability clause**. The phrases, clauses, sentences, paragraphs or sections of this Agreement are severable and, if any phrase, clause, sentence paragraph, or section of this license to use agreement should be declared invalid by the final decree or judgment of any court of competent jurisdiction, such invalidity shall not affect any of the remaining phrases, clauses, sentences, paragraphs and sections of this Agreement;

R. Licensee Authority. Licensee represents and warrants to City that Licensee has full corporate power and authority to enter into this License and the documents to be delivered hereunder, to carry out its obligations hereunder and to consummate the transactions contemplated hereby. The execution, delivery, and performance by Licensee of this License and the documents delivered hereunder and the consummation of the transactions contemplated hereby have been duly authorized by all requisite corporate action on the part of Licensee. This License and the documents to be delivered hereunder have been duly executed and delivered by Licensee and (assuming due authorization, execution, and delivery by City) this License and the documents to be delivered hereunder constitute legal, valid, and binding obligations of Licensee, enforceable against Licensee in accordance with their respective terms.

S. City Authority. The City represents and warrants to Licensee that the City has full corporate power and authority to enter into this License and the documents to be delivered hereunder, to carry out its obligations hereunder and to consummate the transactions contemplated hereby. The execution, delivery, and performance by the City of this License and the documents delivered hereunder and the consummation of the transactions contemplated hereby have been duly authorized by all requisite action on the part of the City. This License and the documents to be delivered hereunder have been duly executed and delivered by the City and (assuming due authorization, execution, and delivery by Licensee) this License and the documents to be delivered hereunder constitute legal, valid, and binding obligations of the City, enforceable against the City in accordance with their respective terms.

T. **Notice**. All notices required or permitted under this License shall be in writing and shall be deemed given when delivered in person or three days after deposit in the

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United States Mail, postage prepaid, addressed to the party's address reflected at the end of this License. A party's notice address may be changed from time to time by that party's providing written notice to the other. A copy of the notice to each respective party shall be sent to:

For City of Galveston:
Director, Development Services Department
City of Galveston
823 Rosenberg, Room 203
P.O. Box 779
Galveston, Texas 77553

with copy to: City Attorney
City of Galveston
823 Rosenberg, Room 203
P.O. Box 779
Galveston, Texas 77553

For ANICO
One Moody Plaza
Galveston, Texas, 77550

with copy to: Attorney
Greer, Herz & Adams, LLP
One Moody Plaza
Galveston, Texas 77550

Special Conditions

The project generally entails the creation of a pedestrian bridge across the project area, and landscape improvements within the project area and other general details.

The Project Area of approximately 0.45 acres in its entirety consists of:

1. An aerial envelope described generally as a horizontal plane not less than seventeen (17) feet above the grade of the 20th Street road way facilities and ground area below, 45 feet wide crossing 20th Street;
2. The Westerly 17 feet of the 20th Street Right of Way;
3. The entire 36 foot median;
4. (Alternatively) the Project Area will consist of an additional 17 feet of 20th Street Right of Way between Mechanic and Strand.

Special Conditions
Pedestrian Bridge

The developer will comply with the following improvements pertaining to the pedestrian bridge:

a) The development of the pedestrian bridge shall be in general conformance with the design schematic attached hereto, as Attachment B;
b) Lowest horizontal component shall be constructed to an elevation of not less than seventeen feet above the existing grade of the trolley tracks and the roadway lanes.
c) Construction plans shall be engineered to standards required for commercial wind-load construction and shall be submitted for and successfully receive a city permit.
d) Because the LTU term is perpetual through the life of the structure, a structural engineering assessment shall be required to be submitted by the applicant within 60 days of a weather related, declared city emergency wherein wind speed reached 110 mph or greater within the City of Galveston.
e) Installation shall be at the cost of the applicant and maintenance, in compliance with all health, safety and welfare regulations of the City or applicable state law shall be by the applicant throughout the term of the LTU.

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f) The applicants design shall ensure no bridge supports columns on or over any public/private utilities and services determined to be present.

Special Conditions

Landscape, irrigation and hardscaping improvements, (the "Landscape Improvements"), in, on or under a City right-of-way, as further described in Attachment B.

a) *Design.* The landscape/streetscape improvements shall be designed and installed generally as set forth and described in Attachment B, attached and incorporated herein. No other improvements, permanent or temporary, shall be allowed within the right-of-way, unless permitted by the City;

b) The applicant shall agree that all constructed grade-level improvements within the right of way will be open to the public.

c) Construction shall be prohibited in trolley footprint area.

d) Open vehicular access on roadway travel lanes and trolley track shall persist for general traffic, emergency vehicles, and trolley system facilities

e) The grade-level decorative pavement within the existing roadway improvements shall be constructed at or below the current elevation of the roadway and there shall be no adverse impact on drainage patterns. Such plans shall be verified to the satisfaction of the City Engineer.

f) Any existing speed bumps shall be removed.

g) Construction plans for the decorative masonry/pavers, terrace area, landscape and irrigation improvements will be required to be permitted by the city

h) Installation and maintenance of the decorative masonry/pavers, terrace area, landscape and required irrigation improvements will be at the cost of the applicant and owned by the applicant throughout the term of the LTU.

i) Landscaping improvements shall be maintained by the applicant in a healthy condition. Dead material shall be removed and/or replaced promptly.

j) There shall be a structural barrier device (curb or other equivalent) along the edges of the public roadway that would separate the vehicular traffic from the parallel pedestrian sidewalks in all areas except the grade-level decorative pavement crosswalk under the pedestrian bridge.

IN WITNESS WHEREOF, THE PARTIES HAVE EXECUTED THIS LICENSE IN DUPLICATE. THE EFFECTIVE DATE IS UPON SIGNATURE OF BOTH PARTIES, WHICHEVER DATE IS LATER.

[SIGNATURES FOLLOW ON NEXT PAGE]

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ENTERED INTO AND AGREED UPON by the parties as evidenced by the below signatures of the duly authorized representatives.

BY EXECUTION OF THIS LICENSE, AMERICAN NATIONAL INSURANCE COMPANY ACKNOWLEDGES RECEIPT OF A COPY OF THIS LICENSE.

CITY OF GALVESTON, TEXAS

BY: _____
NAME: Brian Maxwell
TITLE: City Manager
DATE: _____

AMERICAN NATIONAL INSURANCE COMPANY

BY: _____
NAME: _____
TITLE: _____
DATE: _____

ATTEST;
CITY OF GALVESTON, TEXAS

_____
Janelle Williams
City Secretary

AMERICAN NATIONAL INSURANCE COMPANY

_____
NAME: _____
TITLE: _____

APPROVED AS TO FORM:

_____
City Attorney Office- Galveston

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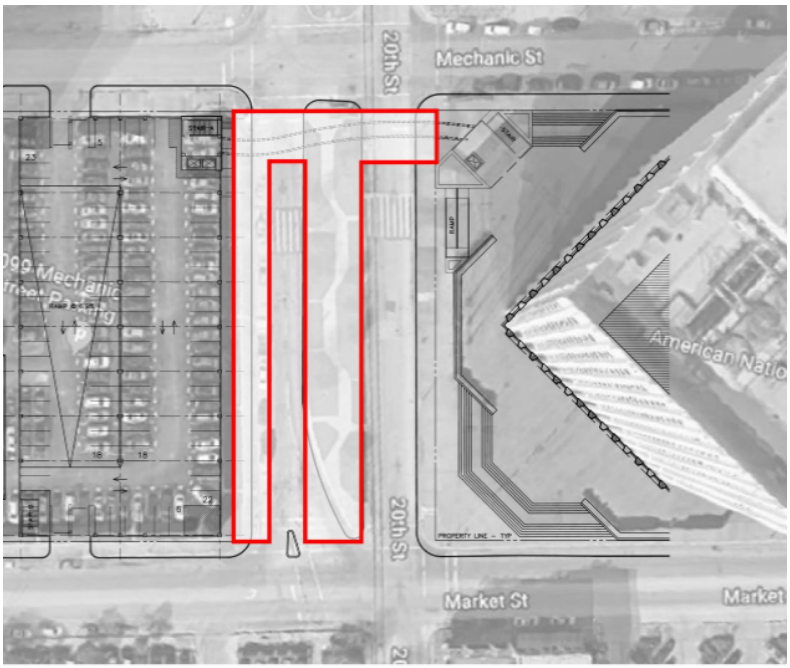
ATTACHMENT A



DLR Group

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ATTACHMENT B

City of Galveston

Development Services Department

Tim Tietjens, Director
ttietjens@galvestontx.gov | 409 797 3668 | www.galvestontx.gov

October 9, 2019

To: Brian Maxwell, City Manager
Hon. Mayor and City Council Members

Subject: Consider for action adopting the attached Development and License to Use (LTU) Agreement as proposed by American National Insurance Company (ANICO) for the construction and operation of a raised pedestrian bridge and grade level pedestrian streetscape within the right of way of 20th Street between Mechanic Street and Market Street.

I. Background

At the regular City Council meeting of April 25th 2019, City Council was presented with a concept for a public plaza on 20th Street from the ANICO team that would require a Development and License to Use (LTU) Agreement. At the meeting, I was directed to commence a public engagement process for those within the notification area prior to developing the proposed LTU for the project. The engagement process involved several public hearings as well as a detailed workshop meeting for those notified within 200 feet. As a result of that engagement process, the scope of the project has substantially changed from an elevated pedestrian plaza to a raised pedestrian bridge concept. The resulting bridge concept and the accompanying LTU was presented for approval to the Planning Commission at their regular meeting of August 6th 2019 in the form of case number 19P-030, and was unanimously approved.

The revised project was brought back before City Council at their regular workshop meeting of August 22, 2019 to discuss the impacts of the changes. At that meeting, there was a request for additional buffering to further protect the sidewalk areas from the drive lanes. The attached Development and LTU agreement was revised to include that provision.

Subsequently, after further engineering analysis regarding the sub-surface conditions within the ANICO campus, the applicant has proposed to move the raised pedestrian bridge from the mid-block location to a point further north to accommodate the structural sub-surface conditions. This relocation affects only the location of the bridge and the walking surface thereunder, but has no impact on the surface pedestrian streetscape otherwise. The Proposed LTU is unchanged otherwise.

Tim Tietjens, Director
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Because of the scope and scale of the project as well as the long-term maintenance provisions for the right of way added to this Development and LTU Agreement, City Council approval by motion is also sought.

II. Alternatives in order of priority

A. City Council approves the proposed Development and LTU Agreement.

B. City Council rejects or amends the proposed Development and LTU Agreement.

III. Recommendation

City Council approve by motion, the proposed Development and License to Use (LTU) Agreement by and between the City of Galveston and ANICO for the construction and operation of a raised pedestrian bridge and grade level pedestrian streetscape within the right of way of 20th Street between Mechanic Street and Market Street.

IV. Fiscal Impact Report

There would be a net reduction in maintenance costs to the city in that the existing median would not have to be mowed by the city due to the maintenance provisions in the LTU which require maintenance by the applicant. There would be a minor cost associate with placement of pet waste facilities and servicing, but that cost would be more than offset by the lack of need to maintain the existing median area.

Attachments:

-Case 19P-030 Staff Report
-Proposed LTU as approved by the Planning Commission and revised with the raised pedestrian bridge relocation and additional buffering condition.

Respectfully Submitted,

_____

Tim Tietjens
Director of Development Services