

Item # 7

STATE OF GEORGIA
CITY OF MCDONOUGH

ORDINANCE NO. 21-01-04(D)

AN ORDINANCE AMENDING THE CODE OF ORDINANCES, CITY OF MCDONOUGH, GEORGIA; TO PROVIDE FOR CODIFICATION; TO PROVIDE FOR SEVERABILITY; TO REPEAL CONFLICTING ORDINANCES; TO PROVIDE AN EFFECTIVE DATE; AND FOR OTHER PURPOSES.

NOW, THEREFORE, IT IS HEREBY ORDAINED BY THE GOVERNING AUTHORITY OF THE CITY OF MCDONOUGH AS FOLLOWS:

SECTION 1.

A NEW ORDINANCE IS ADOPTED:

"Consumption of alcohol on City rights-of-ways.

- (a) Except for the area and circumstances specified in *subsection (b) herein*, it shall be unlawful for any person to possess an alcoholic beverage in an open container, either on their person, in a motor vehicle or otherwise on the streets, sidewalks, parks, or other public places within the City of McDonough.
- (b) Within the "Downtown Entertainment District" as that area is defined on a map prepared and maintained by the City Community Development Department, *the following regulations apply:*
 - (1) The possession of alcoholic beverage on properties owned or occupied by churches, government buildings, or residentially-zoned properties or on the right-of-way immediately adjacent to any of the same is prohibited.
 - (2) Any party holding a license for the sale of alcoholic beverages for consumption on the premises ("licensee") may sell one alcoholic beverage in a paper or plastic cup for removal from the premises to be consumed on a right-of-way; provided, however, that the alcoholic beverage shall be served only in a cup purchased by the licensee from the McDonough Mainstreet Program, and further provided, that the licensee may dispense no more than one alcoholic beverage per person, and no person shall remove more than one alcoholic beverage from the premises;
 - (3) Any alcoholic beverage dispensed pursuant to this section shall not exceed 16 fluid ounces in size, and no person shall possess an open container containing an alcoholic beverage other than one purchased from a licensee as provided in item (1) above; and
 - (4) The possession of alcoholic beverages under this ordinance shall be lawful only on Mondays-Saturdays between the hours of 12:00 noon and 11:00 p.m."

Section 2

If any ordinance, or part thereof, of the City of McDonough is in conflict herewith, this ordinance shall have preference. If any provisions of this ordinance are held invalid, such invalidity shall not affect any of the other provisions which can be given effect without the

invalid provision, and, to this end, the provisions of this ordinance are declared to be severable.

This ordinance shall become effective on February 1, 2021 and shall lapse unless renewed by February 1, 2022.

So approved this 4th day of January, 2021.

CITY OF MCDONOUGH, GEORGIA

(Signature on File)

Billy Copeland, Mayor

Attest:

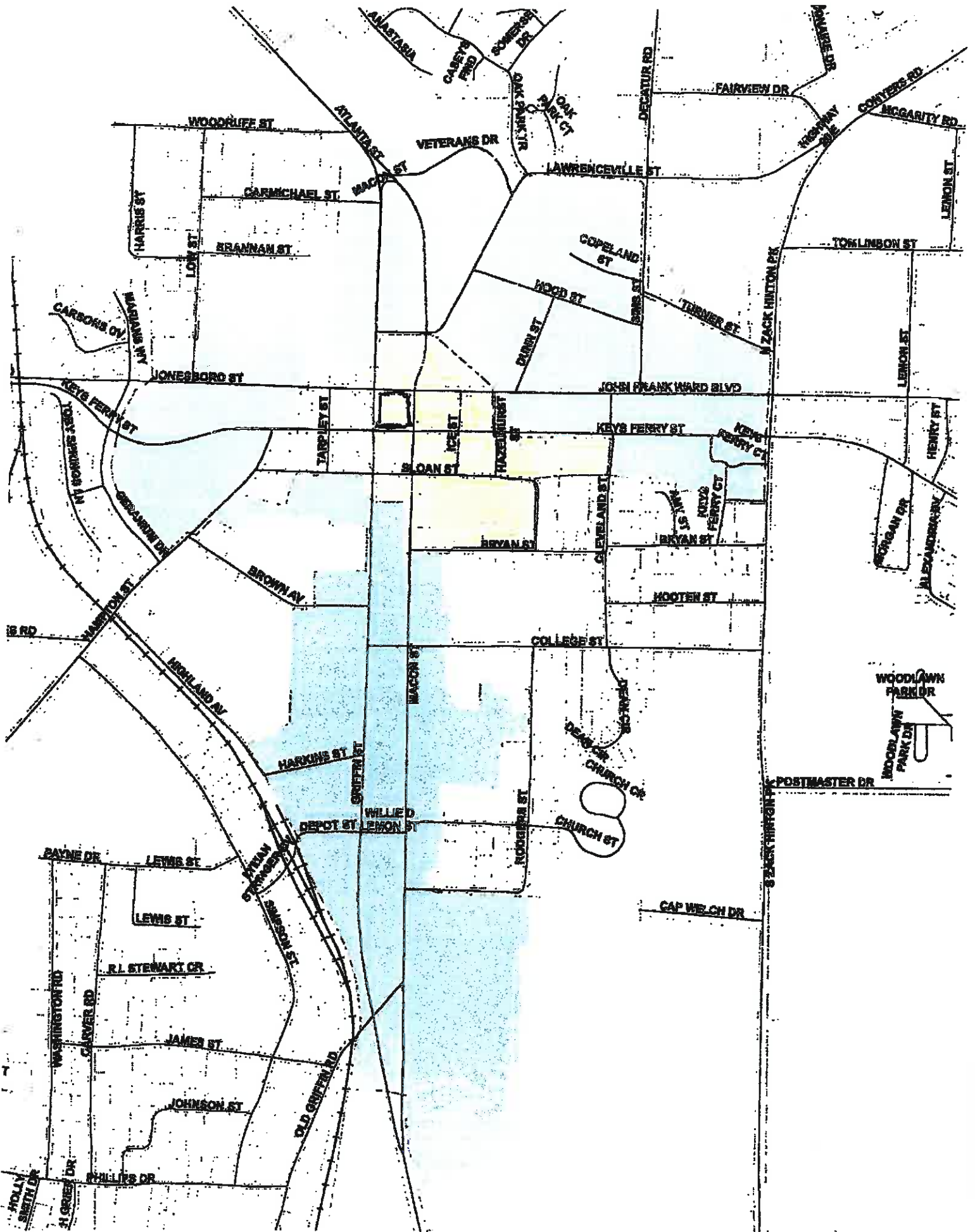
Approved as to form:

(Signature on File)

(Signature on File)

Janis Price, City Clerk

James E. Elliott, Jr., City Attorney

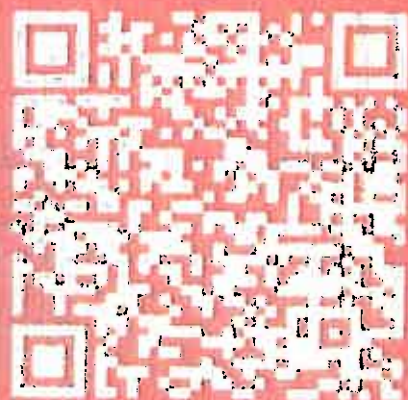




MAIN STREET

MCDONOUGH

TAKE
ME
ALONG



AGENDA ITEM SUMMARY
(Enter the date here)

Item # 8

ITEM SUMMARY:

Approval of proposal for 2022 MS4 Phase II Permit Technical Support Services.

SPECIAL CONSIDERATIONS OR CONCERNS:

The proposal submitted by FOX Environmental, LLC covers the following areas, Program Planning/Training, Dry-Weather Outfall Screening, Stormwater Facility Inspections and Maintenance Program, Geodatabase/Mapping and MS4 Annual Report.

STAFF RECOMMENDATION:

Staff recommends moving forward with FOX Environmental, LLC.

FINANCIAL IMPACT: (Funding Source)

Total Cost: \$22,000

This item is funded by the Stormwater Department-Enterprise Fund

ATTACHMENTS:

MS4 Phase II Technical Support Services Proposal, Scope of Work from FOX Environmental, LLC

Submitted by:

Brandon Williams
Storm Water Supervisor



January 13, 2022

Mr. Brandon Williams
136 Keys Ferry Street
McDonough, GA 30253

RE: MS4 PHASE II PERMIT TECHNICAL SUPPORT SERVICES, CITY OF MCDONOUGH, GA

Dear Brandon:

Thank you for the opportunity to assist the City achieve compliance with the Metropolitan North Georgia Water Planning District (MNGWPD) Water Resource Management Plan and associated projects including the Water Master Plan and Wastewater Master Plan.

The purpose of this proposal is to describe how FOX Environmental, LLC will continue to work with you and Branson Williams, Stormwater Supervisor, to plan and implement the various requirements of the City's current NPDES MS4 Permit (many of which are also required under the MNGWPD). Below is a list of proposed tasks for the upcoming year that focus on activities related to compliance with the current Stormwater Management Plan.

I. SCOPE OF WORK

TASK	HOURS
1. <u>Program Planning/Training</u> - Work with the Stormwater Supervisor to evaluate current projects, schedules, prepare documentation and coordinate with EPD representatives and others, as needed, to ensure compliance with the City's MS4 Phase II Permit. Activities may include, but not limited to, training City staff on how to meet MS4 requirements and working with EPD to secure approval of the previously submitted reports.	50

Continued on next page

TASK	HOURS
3. <u>Dry-weather Outfall Screening Program</u> - Conduct dry-weather screening of a minimum of 20% of current inventory of stormwater outfalls and document all results. This task includes the cost of laboratory testing of up to three suspicious discharges for fecal, fluoride and surfactants). There are no additional fees for field conductivity, pH, temperature and turbidity testing.	25
4. <u>Stormwater Facility Inspections and Maintenance Program</u> – Conduct field inspections of a minimum of 20% of all stormwater facilities (e.g., ponds) and 20% stormwater infrastructure, and provide a list of all City-owned structures requiring maintenance/repair as well as prepare correspondence to owners of private stormwater management facilities requesting maintenance. Note that additional funding may be needed to inspect new MS4 structures (e.g., catch basins, inlets, ditches and pipes) if not already complete.	80
5. <u>Geodatabase and Mapping</u> – Work with City staff to update the MS4 geodatabase and produce storm sewer system maps and shapefiles for use by City staff and in reports to EPD. Note that additional funding may be needed to map new MS4 structures (e.g., ditches and pipes) if not already complete.	25
6. <u>MS4 Annual Report</u> - Coordinate, compile data from 2021 and prepare the MS4 Annual Report for submittal to EPD in February 2022. Revise and resubmit report, as needed, to ensure approval by EPD.	40
TOTAL	220 Hours

** Note the proposed hourly estimates may be adjusted across tasks depending upon expressed need by the Public Works Director, Staff and/or new EPD requirements.*

II. CONTRACT RATES FOR PROPOSED SERVICES

POSITION	FEE
Principal/Senior Environmental Scientist	\$115/hr.
Senior GIS Analyst/Biologist	\$85/hr.
Environmental Inspector	\$75/hr.

III. COST ESTIMATE

TASK	COST
TOTAL COST ESTIMATE	Not to Exceed \$22,000*

* Assumptions: If the effort required completing the above tasks is greater than 220 hours, additional work will be billed at the specified contract rates. No additional work will be completed without prior approval from the Public Works Director of the City of McDonough, GA.

Thank you for the opportunity to provide these services to you. If you have any questions or require any additional information regarding this cost estimate, please call me at your convenience. You may indicate your acceptance of this proposal by signing below and returning this letter to me. FOX Environmental is prepared to initiate these services immediately upon receipt of the following notice to proceed.

Sincerely,



Catherine A. Fox, Principal
FOX Environmental, LLC

III. AUTHORIZATION

PROPOSAL ACCEPTED TO PROVIDE MS4 PHASE II PERMIT TECHNICAL SUPPORT SERVICES

Signature: _____

Title: _____

Date: _____

TERMS & CONDITIONS

Billings/Payment: FOX Environmental, LLC shall perform the services outlined in this agreement for the stated fee arrangement. Invoices for FOX Environmental's services shall be submitted, at FOX Environmental's option, either upon completion of such services or on a monthly basis (unless noted otherwise and are due when rendered. Invoices shall be considered "Past Due" if not paid within 30 days after the invoice date. If the invoice is not paid within 30 days, FOX Environmental may, without waiving any claim or right against the Owner, and without liability whatsoever to the Owner, terminate the performance of the service. Unpaid accounts shall be subject to a monthly service charge of 1.5% on the unpaid balance at the sole election of FOX Environmental. In the event any portion or all of an account remains unpaid 90 days after billing, the Owner shall pay all costs of collection, including attorney's fees.

Additional Services: Additional services include increase or change in scope of project, major revisions when such revisions are inconsistent with written approvals or instructions previously given, services after award of contract in evaluation of substitutions proposed by the construction contractor, and other services that are not included under professional services; provided, however, that additional services shall not be classified as reimbursable expenses and will be billed at FOX Environmental's cost incurred or normal prevailing rate. FOX Environmental will only perform additional services when authorized in writing by the Owner.

Reimbursable Expenses: Any expenses that are required beyond those identified under professional services will be billed at a multiple of 1.15 times the cost incurred.

Indemnification: The Owner shall indemnify and hold harmless FOX Environmental and all of its personnel from and against any claims, damages, losses and expenses (including attorney's fees) arising out of or resulting from the performance of the services, provided that any such claim, damage, loss or expense is caused by the negligent act, omission, and/or strict liability of the Owner, anyone directly employed by the Owner (except FOX Environmental), or anyone for whose acts any of them may be liable. FOX Environmental shall indemnify and hold harmless Owner and all of Owner's personnel from and against any claims, damages, losses and expenses (including attorney's fees) arising out of or resulting from the performance of the services, provided that any such claim, damage, loss or expense is caused by the negligent act, omission, and/or strict liability of FOX Environmental, anyone directly employed by FOX Environmental, or anyone for whose acts any of them may be liable.

Termination of Services: This agreement may be terminated by written notice by either the Client or FOX Environmental, LLC should the other fail to perform its obligations hereunder. In the event of termination, the Client shall pay FOX Environmental for all services rendered to the date of termination and all reimbursable expenses.

Ownership of Documents: All documents produced by FOX Environmental, LLC under this agreement shall remain the property of FOX Environmental and may not be used by the Client for any other endeavor without the written consent of FOX Environmental. Any unauthorized use or distribution shall be at Client's and Recipient's sole risk and without liability to FOX Environmental. Client further agrees that documents produced by FOX Environmental pursuant to this agreement will not be used at any location or for any project not expressly provided for in this agreement without FOX Environmental's written approval.

Client Initial _____

FOX Environmental, LLC Initial CAF

AGENDA ITEM SUMMARY

January 18th, 2022

ITEM NUMBER:

9

ITEM SUMMARY:

Approval per City Of McDonough to purchase the annual Geranium's from Flintwood Farms (2,500 Geranium's)

SPECIAL CONSIDERATIONS OR CONCERNS:

STAFF RECOMMENDATION:

Staff recommends approving this request

FINANCIAL IMPACT:

General Funds- Highways & Street Dept. Landscaping

ATTACHMENTS:

Estimate from Flintwood Farms Estimate # 2021-1163

Submitted and Approved by:

Ronnie Thompson,
Public Works Director



Flintwood Farms
Seasonal Color Growers
516 McDonough Rd
Fayetteville, GA 30214

ESTIMATE

Estimate#: 2021-1163

Bill To:

City of McDonough
305 Racetrack Road
McDonough, GA 30253

Ship To:

City of McDonough
305 Racetrack Road
McDonough, GA 30253

PO#	Terms	Order Date	Delivery Date	Season
Geranium 2022	COD	11/24/2021	4/11/2022	Fall 2021

Qty	Description	Price	Amount
2500	Geranium - Calliope Large Red Dark (6.5 AZ)	\$5.49	\$13,725.00
These prices are good for 90 days. Please contact us to confirm your order.		Subtotal	\$13,725.00
		Delivery	\$85.00
		Sales Tax	\$0.00
		Total	\$13,810.00

AGENDA ITEM SUMMARY
January 18, 2022

ITEM NUMBER: 10

ITEM SUMMARY:

Agreement for contracts, ordering and purchase of two (2) new fire apparatus; One (1) Custom Rescue Pumper and one (1) Custom Aerial 100' Platform Ladder Truck in order to replace and/or move to reserve status an older 2001 Custom HME Pumper and 2004 Custom Sutphen 70' Aerial Platform Ladder Truck.

SPECIAL CONSIDERATIONS OR CONCERNS:

Pricing for Pierce fire apparatus will increase by 7-8% at end of January 2022. Possibly a 12 to 15-month build time on both apparatus; may be sooner dependent on time of contract. There are several payment options.

STAFF RECOMMENDATION:

Contracts, ordering and purchase of a Pierce pumper and aerial due to specific needs, ease of operation and location of facility when maintenance, inspections, service and repairs are necessary.

FINANCIAL IMPACT: (Funding Source)

There are several payment options including a substantial savings with pre-payment option. Pierce Pumper = \$438,000.00; Pierce 100' Aerial = \$1,336,000.00; Total = \$1,774,000.00 +/- contract fees, taxes, etc.

Payment installments throughout the build or upon delivery options also available at cost of Pumper = \$451,500.00; Aerial = \$1,380,950.00; Total = \$1,832,450.00 +/- contract fees, taxes, etc.

Funding to be paid from SPLOST, Impact Fees, or possibly GMA Financing if necessary.

ATTACHMENTS:

Specifications, pricing and Equipment Proposal(s). Other information can be obtained if needed.

Submitted by: Dave Williams, Deputy Fire Chief

**Equipment Proposal**

Pierce Proposal # 926/927

This Equipment Proposal (the "Proposal") has been prepared by Ten-8 Fire & Safety, LLC ("Company") in response to the undersigned Customer's request for a proposal. This Proposal is comprised of the special terms set forth below, the Proposal Option List, Warranty, and Company's Purchasing Terms and Conditions. Through its signature below or other Acceptance (as defined below), Customer acknowledges having received, read and being bound by this Proposal, all attachments and Company's Purchasing Terms and Conditions.

Date: **December 2, 2021** ("Proposal Date") Customer: **City of McDonough** ("Customer")

Customer Address: **McDonough Georgia**

Qty	Product Description & Options	Price
1	Pierce custom mid-mount aerial (Custom Pierce Aerial 100' Platform Ladder Truck)	\$1,380,950.00
1	Pierce Custom Saber pumper (Pierce Pumper Truck)	\$451,500.00
2	Subtotal	\$1,832,450.00
	100% pre-pay discount	(\$58,450.00)
Purchase Price:		\$1,774,000.00

Delivery Timing: The Product described above in the Product Description and Options Section of this document will be built by and shipped from the manufacturer approximately **14-17** (months) after Company receives Customer's acceptance of this Proposal as defined below.

Other: Prices shown are valid through January 29, 2022 at which time there will be a price increase. To receive the prepay discount 100% must be paid net 15 from order date. Pricing includes factory travel, delivery, training.

Unless accepted within 30 days from date of proposal, the right is reserved to withdraw this proposal.

ACCEPTANCE OF THIS PROPOSAL CREATES AN ENFORCEABLE BINDING AGREEMENT BETWEEN COMPANY AND CUSTOMER. "ACCEPTANCE" MEANS THAT CUSTOMER DELIVERS TO COMPANY: (A) A PROPOSAL SIGNED BY AN AUTHORIZED REPRESENTATIVE, OR (B) A PURCHASE ORDER INCORPORATING THIS PROPOSAL, WHICH IS DULY APPROVED, TO THE EXTENT APPLICABLE, BY CUSTOMER'S GOVERNING BOARD. ACCEPTANCE OF THIS PROPOSAL IS EXPRESSLY LIMITED TO THE TERMS CONTAINED IN THIS PROPOSAL AND COMPANY'S PURCHASING TERMS AND CONDITIONS. ANY ADDITIONAL OR DIFFERENT TERMS, WHETHER CONTAINED IN CUSTOMER'S FORMS OR OTHERWISE PRESENTED BY CUSTOMER AT ANY TIME, ARE HEREBY REJECTED.

INTENDING TO CREATE A BINDING AGREEMENT, Customer and Company have each caused this Proposal to be executed by their duly authorized representatives as of date of the last signature below.

Customer: **City of McDonough**

Ten-8 Fire & Safety, LLC

By: _____

By: _____

Title: _____

Title: **Authorized Sales Representative**

Print: _____

Print: _____

Date: _____

Date: _____

EXHIBIT A

PROPOSAL OPTION LIST

EXHIBIT B

WARRANTY

EXHIBIT C

PURCHASING TERMS AND CONDITIONS

PURCHASING TERMS AND CONDITIONS

(Florida)

These Purchasing Terms and Conditions, together with the Equipment Proposal and all attachments (collectively, the "Agreement") are entered into by and between Ten-8 Fire & Safety, LLC, a Florida company ("Company") and Customer (as defined in Ten-8 Fire & Safety LLC's Equipment Proposal document) and is effective as of the date specified in Section 3 of these Purchasing Terms and Conditions. Both Company and Customer may be referred throughout this document individually as a "party" or collectively as the "parties."

1. Definitions.

- a. **"Acceptance"** has the same meaning set forth in Company's Equipment Proposal.
- b. **"Company's Equipment Proposal"** means the Equipment Proposal provided by Company and prepared in response to Customer's request for proposal for a fire apparatus, associated equipment or an ambulance.
- c. **"Cooperative Purchasing Contract"** means an Agreement between Company and a public authority, including without limitation, a department, division, agency of a municipal, county or state government ("Public Authority"), that adopts or participates in an existing agreement between Company and another non-party customer (including, but not limited to such non-party customer's equipment proposal, its applicable exhibits, attachments and purchasing terms and conditions), often referred to as a "piggyback arrangement," which is expressly agreed to, in writing, by Company. Company has sole discretion to determine whether it will agree to such a Cooperative Purchasing Contract.
- d. **"Delivery"** means when Company delivers physical possession of the Product to Customer.
- e. **"Manufacturer"** means the Manufacturer of any Product.
- f. **"Prepayment Discount"** means the prepayment discounts, if any, specified in Company's Equipment Proposal.
- g. **"Product"** means the fire apparatus and any associated equipment, or ambulance manufactured or furnished for Customer by Company pursuant to the Specifications.
- h. **"Purchasing Terms and Conditions"** means these Purchasing Terms and Conditions; however, if the Company's Equipment Proposal or the Customer's related Purchase Order states that it is governed by a Cooperative Purchasing Agreement, "Purchasing Terms and Conditions" shall mean those terms and conditions set forth in the applicable Cooperative Purchasing Agreement.
- i. **"Specifications"** means the general specifications, technical specifications, training, and testing requirements for the Product contained in Company's Equipment Proposal and its Exhibit A (Proposal Option List or for ambulance sales, the Quotation, or Order Form, as applicable), prepared in response to Customer's request for such a proposal.

2. Purpose. This Agreement sets forth the terms and conditions of Company's sale of the Product to Customer.

3. Term of Agreement. This Agreement will become effective on the date of Acceptance as defined in Company's Equipment Proposal ("Effective Date") and, unless earlier terminated pursuant to the terms of this Agreement, it will terminate upon Delivery and payment in full of the Purchase Price.

4. Purchase and Payment. Customer agrees to pay Company the Purchase Price for the Product(s) as set forth in Company's Equipment Proposal ("Purchase Price"). The Purchase Price is in U.S. dollars. Where Customer opts for a Prepayment Discount that specifies that Customer will tender one or more prepayments to Company, Customer must provide each prepayment within the time frame specified in the Equipment Proposal in order to receive the Prepayment Discount for that prepayment installment.

5. Representations and Warranties. Customer hereby represents and warrants to Company that the purchase of the Product(s) has been approved by Customer in accordance with applicable general laws and, as applicable, Customer's charter, ordinances and other governing documents, and funding for the purchase has been duly budgeted and appropriated.

6. Cancellation/Termination.

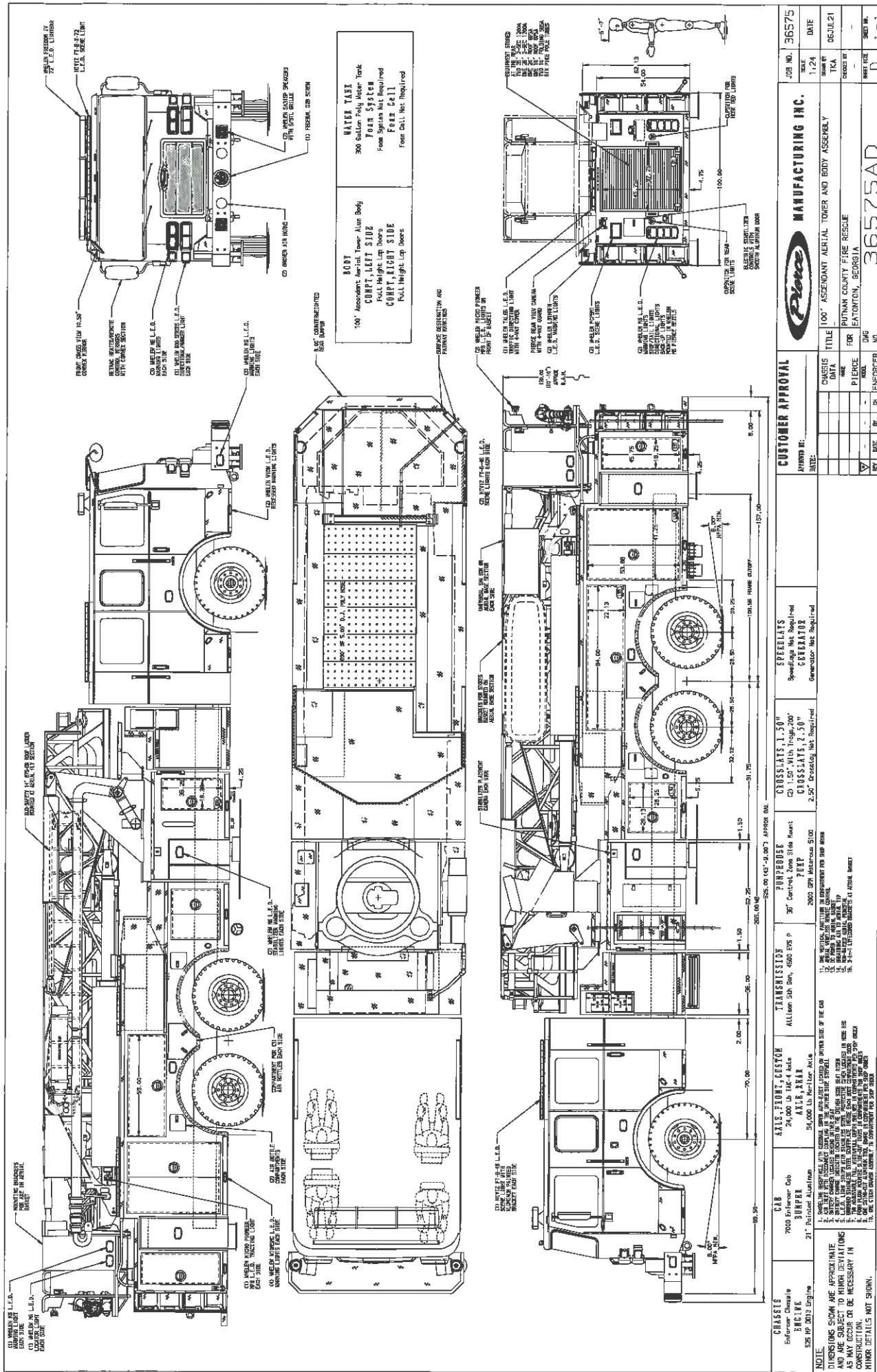
- a. Fire Equipment and Apparatus Sales. In the event this Agreement is cancelled or terminated by Customer before completion, Company may charge Customer a cancellation fee. The following

charge schedule is based on costs incurred by Manufacturer and Company for the Product, which may be applied and charged to Customer: (a) 12% of the Purchase Price after the order for the Product(s) is accepted and entered into Manufacturer's system by Company; (b) 22% of the Purchase Price after completion of approval drawings by Customer, and; (c) 32% of the Purchase Price upon any material requisition made by the Manufacturer for the Product. The cancellation fee will increase in excess of (c) in this Section 6, accordingly, as additional costs are incurred by Manufacturer and Company as the order progresses through engineering and into the manufacturing process.

- b. Ambulance Sales. This Section 6 for Cancellation/Termination does not apply to Ambulance Sales. An order for an ambulance cannot be cancelled or terminated once Company receives and processes Customer's Acceptance of Company's Equipment Proposal.
7. Delivery. The Product is scheduled to be delivered as specified in the Delivery Timing section of the Equipment Proposal ("Delivery Timing"), which will be F.O.B. Company's facility. The Delivery Timing is an estimate, and Company is not bound to such date unless it otherwise agrees in writing. Company is not responsible for Delivery delays caused by or as the result of actions, omissions or conduct of the Manufacturer, its employees, affiliates, suppliers, contractors, and carriers. All right, title and interest in and to the Product, and risk of loss, shall pass to Customer upon Delivery of the Product(s) to Customer.
8. Standard Warranty. The manufacturer warranties applicable to this Agreement, if any, are attached to Company's Equipment Proposal as Exhibit A and are incorporated herein as part of the Agreement.
 - a. Disclaimer. EXCEPT AS OTHERWISE SET FORTH IN THIS AGREEMENT, COMPANY, INCLUDING ITS PARENT COMPANY, AFFILIATES, SUBSIDIARIES, AND THEIR RESPECTIVE OFFICERS, DIRECTORS, EMPLOYEES, SHAREHOLDERS, AGENTS OR REPRESENTATIVES DO NOT MAKE ANY REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE PRODUCTS PROVIDED UNDER THIS AGREEMENT, WHETHER ORAL OR WRITTEN, EXPRESS, IMPLIED OR STATUTORY. WITHOUT LIMITING THE FOREGOING DISCLAIMER, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, IMPLIED WARRANTY AGAINST INFRINGEMENT, AND IMPLIED WARRANTY OR CONDITION OF FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED AND DISCLAIMED. STATEMENTS MADE BY SALES REPRESENTATIVES OR IN PROMOTIONAL MATERIALS DO NOT CONSTITUTE WARRANTIES.
9. Limitation of Liability. COMPANY WILL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, INDIRECT, ECONOMIC, PUNITIVE, SPECIAL OR EXEMPLARY DAMAGES ARISING FROM OR IN ANY WAY CONNECTED WITH THIS AGREEMENT WITHOUT REGARD TO THE NATURE OF THE CLAIM OR THE UNDERLYING THEORY OR CAUSE OF ACTION (WHETHER IN CONTRACT, TORT, STRICT LIABILITY, EQUITY OR ANY OTHER THEORY OF LAW) ON WHICH SUCH DAMAGES ARE BASED. COMPANY'S LIMIT OF LIABILITY UNDER THIS AGREEMENT SHALL BE CAPPED AT THE TOTAL AMOUNT OF THE MONIES PAID BY CUSTOMER TO COMPANY UNDER THIS AGREEMENT.
10. Force Majeure. Company shall not be responsible nor deemed to be in default on account of delays in performance due to causes which are beyond Company's control which make Company's performance impracticable, including but not limited to civil wars, insurrections, strikes, riots, fires, storms, floods, other acts of nature, explosions, earthquakes, accidents, including transportation or delivery losses outside of Company's control, any act of government, delays in transportation, inability to obtain necessary labor supplies or manufacturing facilities, allocation regulations or orders affecting materials, equipment, facilities or completed products, failure to obtain any required license or certificates, acts of God or the public enemy or terrorism, failure of transportation, epidemics, quarantine restrictions, failure of vendors (due to causes similar to those within the scope of this clause) to perform their contracts or labor troubles causing cessation, slowdown, or interruption of work.
11. Customer's Obligations. Customer shall provide its timely and best efforts to cooperate with Company and Manufacturer during the manufacturing process to create the Product. Reasonable and timely cooperation

includes, without limitation, Customer's providing timely information in response to a request from Manufacturer or Company and Customer's participation in traveling to Manufacturer's facility for inspections and approval of the Product.

12. Default. The occurrence of one or more of the following shall constitute a default under this Agreement: (a) Customer's failure to pay any amounts due under this Agreement or Customer's failure to perform any of its obligations under this Agreement; (b) Company's failure to perform any of its obligations under this Agreement; (c) either party becoming insolvent or becoming subject to bankruptcy or insolvency proceedings; (d) any representation made by either party to induce the other to enter into this Agreement, which is false in any material respect; (e) an action by Customer to dissolve, merge, consolidate or transfer a substantial portion of its property to another entity; or (f) a default or breach by Customer under any other contract or agreement with Company.
13. Manufacturer's Statement of Origin. Company shall retain possession of the manufacturer's statement of origin ("MSO") for the Product until the entire Purchase Price has been paid. If more than one Product is covered by this Agreement, Company shall retain the MSO for each individual Product until the Purchase Price for that Product has been paid in full.
14. Arbitration. Any controversy or claim arising out of or relating to this Agreement, or the breach thereof, shall be settled by arbitration administered by the American Arbitration Association in accordance with its Commercial Arbitration Rules, and judgment on the award rendered by the arbitrator(s) may be entered in any court having jurisdiction thereof. The Arbitration shall take place in Bradenton, Florida.
15. Miscellaneous. The relationship of the parties established under this Agreement is that of independent contractors and neither party is a partner, employee, agent, or joint venture of or with the other. Neither party may assign its rights and obligations under this Agreement without the prior written approval of the other party. This Agreement and all transactions between Ten-8 Fire & Safety, LLC will be governed by and construed in accordance with the laws of the State of Florida. The delivery of signatures to this Agreement may be via facsimile transmission or other electronic means and shall be binding as original signatures. This Agreement shall constitute the entire agreement and supersede any prior agreement between the parties concerning the subject matter of this Agreement. This Agreement may only be modified by an amendment, in writing, signed by duly authorized representatives of both parties with authority to sign such amendments to this Agreement. In the event of a conflict between the Ten-8 Proposal and these Terms and Conditions, the Ten-8 Proposal shall control except in the case of a Cooperative Purchasing Contract as set forth in Section 1(c) and (h) of these Purchasing Terms and Conditions. If any term of this Agreement is determined to be invalid or unenforceable by a competent legal authority, such term will be either reformed or deleted, as the case may be, but only to the extent necessary to comply with the applicable law, regulation, order or rule, and the remaining provisions of the Agreement will remain in full force and effect.



ENFORCER™ CHASSIS



THE LEGACY GROWS.

The Pierce® Enforcer™ chassis is more capable than ever with TAK-4® independent front suspension, your choice of two powerful engines, and Pierce's exclusive Command Zone™ multiplexed electrical system.

Backed with proven reliability, you can take advantage of significant improvements in visibility, space, ergonomics, and serviceability.

Visibility & Space

- Exceptional visibility is achieved through a large, bonded, single-piece, wrap-around windshield.
- The smaller engine tunnel is lower & more contoured for increased occupant space, particularly up front for the driver & officer.
- The forward roof design offers a cathedral ceiling feel with increased frontal visibility & more configurable space.

Ergonomics

- Exterior door handles are functionally designed for a firefighter's gloved hand.
- The steps are lower to the ground & offset to function like a stair step, making it easier for firefighters to enter and exit the cab.
- The console & metal overhead switch panel are ergonomically designed for maximum convenience & comfort keeping all of the gauges & switches within easy reach of the driver.

Serviceability

- Easy access to the defroster & wiper motors through removable officer-side panels.
- Power distribution relocation provides more interior space & fewer harnesses in the frame & up through the cab for easier servicing.
- Built-in wire raceways throughout the cab reduce the chance of wire chafing & make it easier to service or add cab harnesses & wiring.

Maneuverability

- Maximum 50 degree cramp angle & 15 degree angle of approach for improved maneuverability in tight areas & challenging situations.

Specifications

Engine	Detroit Diesel DD13 or Cummins L9
Engine Horsepower	370 – 525 HP
Transmission	Allison 3000 EVS, 4000 EVS, or 4500 EVS
Alternator	270 – 430 Amp
Front GAWR (maximum)	23,000 lb
Front Axle Suspension	Leaf or TAK-4® Independent Front Suspension
Cramp Angle (maximum)	50°
Rear GAWR (maximum)	48,000 lb
Rear Axle Suspension	Leaf, Rubber, or Air; Single or Tandem
Frame Rail	10-1/4"
Cab Width	96"
Cab Length	60", 70", 84"
Cab Roof Style	Flat or Raised (10" or 24")
Seating Capacity	0
Doors	Barrier or Full Height
Side Roll Protection	Default
Frontal Air Bags	Default
Electrical System	Hard Wired or Command Zone™

www.piercemfg.com



Pierce Manufacturing Inc., An Oshkosh Corporation Company
P.O. Box 2017, Appleton WI 54912-2017 USA

Specifications, descriptions, and illustrative material in this literature are as accurate as known at the time of publication, but are subject to change without notice. Illustrations may include optional equipment and accessories and may not include all standard equipment. All measurements are nominal values.
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TAK-4 is a registered trademark of Oshkosh Defense, LLC, Oshkosh, WI. Printed in USA.

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P-0131-ENFORCERS 5/18



Option List

10/27/2021

Customer: McDonough
Representative Among, Jeff
Organization: Ten-8 Fire & Safety, LLC
Requirements Manager:
Description: McDonough mid-mount Enforcer
Body: Aerial, 100AAT, Alum Body
Chassis: Enforcer Chassis, 100AAT

Bid Number: 927
Job Number:
Number of Units: 1
Bid Date: 11/04/2021
Stock Number:
Price Level: 40 (Current: 40)
Lane:

Line	Option	Type	Option Description	Qty
1	0769372		Boiler Plates, 100AAT Fire Department/Customer - Putnam Co Operating/In conjunction W-Service Center - Operating Miles - 100 Miles Number of Fire Dept/Municipalities - 2 Bidder/Sales Organization - Ten-8 Delivery - Delivery representative Dealership/Sales Organization, Service - Ten-8	1
2	0018180		Single Source Compliance, Aerials	1
3	0584456		Manufacture Location, Appleton, Wisconsin	1
4	0584452		RFP Location: Appleton, Wisconsin	1
5	0588609		Vehicle Destination, US	1
6	0791096	SP	BMP Truck Fill in Blank - Booked with 467 options and 5 sps	1
7	0610784		Comply NFPA 1901 Changes Effective Jan 1, 2016, With Exceptions	1
8	0533351		Quint Fire Apparatus	1
9	0588612		Vehicle Certification, Aerial w/Pump	1
10	0681278		Agency, Apparatus Certification, Aerial w/Pump, U.L.	1
11	0536644		Customer Service Website	1
12	0733614		Consortium, NPPGov (LOC)	1
13	0537375		Unit of Measure, US Gallons	1
14	0030006		Bid Bond Not Requested	1
15	0582697		Performance Bond, 100% with Warranty Bond, 1 Yr, and Payment Bond ** Percentage, Contract - 100	1
16	0000007		Approval Drawing	1
17	0002928		Electrical Diagrams	1
18	0729149		Enforcer Chassis, 100AAT	1
19	0000110		Wheelbase Wheelbase - 265.00	1
20	0000070		GVW Rating GVW rating - 78,000	1
21	0729280		Frame Rails, 13.38 x 3.50 x .375, Enforcer	1
22	0756544		Frame Liner, Internal "C" 12.50" x 3.00" x .25", Full Length, 57"Q, 100AAT	1
23	0728824		Axle, Front, Dana, D-2200F, 23,000 lb, Enforcer	1
24	0637887		Suspension, Front, Standens, Taper Leaf, 23,000 lb, Saber FR/Enforcer	1
25	0000321		Shock Absorbers on Front Axle, Monroe Magnum 65, Saber/Enforcer	1
26	0000322		Oil Seals, Front Axle	1
27	0582746		Tires, Front, Goodyear, G296 MSA, 445/65R22.50, 20 ply	1
28	0019618		Wheels, Front, Alcoa, 22.50" x 13.00", Aluminum, Hub Pilot	1
29	0728953		Axle, Rear, Meritor RT52-185, 54,000 lb, Enf, 100AAT	1
30	0544244		Top Speed of Vehicle, 60 MPH	1
31	0660628		Suspen, Rear, Air Link, AL- 520, Air Ride, 54,000 lb	1
32	0000485		Oil Seals, Rear Axle	1
33	0587016		Tires, Rear, Goodyear, G622 RSD, 12R22.50, 16 ply, Tandem	1
34	0654791		Wheels, Rear, Alcoa-Accuride, 22.50" x 8.25", Aluminum-Steel, Hub Pilot, Tandem	1
35	0568081		Tire Balancing, Counteract Beads	1
36	0620569		Tire Pressure Monitoring, RealWheels, AirSecure, Valve Cap, Tandem Axle Qty, Tire Pressure Ind - 10	1
37	0003245		Axle Hub Covers w/center hole, S/S, Front Axle	1
38	0013241		Axle Hub Covers, Rear, S/S High Hat (Tandem)	1
39	0057936		Covers, Lug Nut, Chrome	1

Line	Option	Type	Option Description	Qty
40	0002045		Mud Flap, Front and Rear, Pierce Logo	1
41	0646362		Chocks, Wheel, Worden HWGY- SB, Super Gripper	1
			Qty, Pair - 01	
42	0646364		Mounting Brackets, Chocks, Worden Safety, Model U815T	1
			Location, Wheel chock - LS one forward and one rearward of the rear tandem	
			Qty, Pair - 01	
43	0593759		ESC/ABS/ATC Wabco Brake System, Tandem Rear Axle, 2010	1
44	0690932		Brakes, Bendix, ADB22X, 17" Disc, Front	1
45	0000730		Brakes, Meritor, Cam, Rear, 16.50 x 7.00"	1
46	0735527		Air Compressor, Brake, Wabco 26.8 CI, Paccar	1
47	0637583		Brake Reservoirs, 6,408 Cubic Inch Minimum Capacity, Saber FR/Enforcer	1
48	0617092		Air Dryer, Wabco System Saver 1200, With Wet Tank, Heated, Saber FR/Enforcer	1
49	0000790		Brake Lines, Nylon	1
50	0000854		Air Inlet, w/Disconnect Coupling	1
			Location, Air Coupling(s) - a) DS Step Well, Forward	
			Qty, Air Coupling (s) - 1	
51	0070810		All Wheel Lockup (Aerial/Tanker Chassis)	1
52	0612549		Fittings, Compression Type, Entire Apparatus, Tandem Rear Axle	1
53	0743490		Engine, Paccar MX13, 510HP, 1850 lb-ftW/OBD, EPA 2021, Enforcer	1
54	0001244		High Idle w/Electronic Engine, Custom	1
55	0735687		Engine Brake, Fully Integrated, Paccar MX13 Engine	1
			Switch, Engine Brake - MX13	
56	0644227		Clutch, Fan, Air Actuated, Saber FR/Enforcer	1
57	0640477		Air Intake, Metal Screen, Saber FR/Enforcer	1
58	0794743		Exhaust System, 5", X12/X15, MX13, Engine, Horizontal, Right Side	1
59	0788765		Radiator, Saber FR/Enforcer	1
60	0001090		Cooling Hoses, Rubber	1
61	0001125		Fuel Tank, 65 Gallon, Left Side Fill	1
62	0001129		Lines, Fuel	1
63	0734655		DEF Tank, 7.3 Gallon, LS Fill, Under Cab, Paccar, Fill Dr, ENF	1
			Door, Material & Finish, DEF Tank - Polished Stainless	
64	0552793		Not Required, Fuel Priming Pump	1
65	0552712		Not Required, Shutoff Valve, Fuel Line	1
66	0699437		Cooler, Chassis Fuel, Not Req'd.	1
67	0011125		Door, Fuel Fill Painted Job Color	1
			Qty, - 01	
68	0690880		No Selection Required From This Category	1
69	0642582		Trans, Allison 5th Gen, 4000 EVS P, w/Prognostics, Imp/Vel/DCF/SFR/Enf	1
70	0625331		Transmission, Shifter, 6-Spd, Push Button, 4000 EVS	1
71	0684459		Transmission Oil Cooler, Modine, External	1
72	0550313		Label @ Transmission Fill Point, "Synthetic Fluid Only"	1
73	0535530		Mode, Downshift, Aggressive downshift to 2nd, w/engine brake, 6 speed	1
74	0027844		Fluid, 4000 Series Trans, Allison Approved TES-295 Synthetic, IPOS, Custom	1
75	0001375		Driveline, Spicer 1810	1
76	0734212		Steering, Dual Gear, TRW TAS-65, w/tilt, Paccar Pump w/ Cooler, Enf, Paccar	1
77	0509229		Steering Wheel, 2 Spoke	1
78	0550144		Logo/Emblem, on Horn Button	1
			Text, Row (1) One - PUTNAM	
			Text, Row (2) Two - COUNTY	
			Text, Row (3) Three - FIRE	
79	0725710		Bumper, 15" Extended, Alum, Painted, Integrated, 100AAT, Enforcer	1
80	0614646		No Lift & Tow Package, Imp/Vel, AXT, SFR/Enf	1
81	0522573		Tow Hooks Not Required, Due to Lift and Tow Package	1
82	0625652		Cab, Enforcer, 6000	1
83	0747442		Engine Tunnel, X12, MX13, Enforcer	1
84	0633594		Rear Wall, Interior, Adjustable Seating	1
85	0632103		Rear Wall, Exterior, Cab, Saber FR/Enforcer	1
			Material, Exterior Rear Wall - Aluminum Treadplate	
86	0728889		Cab Lift, Elec/Hyd, Stabilizer Interlock, Enforcer 100AAT	1
87	0695930		Grille, Bright Finished, Front of Cab, Dash CF/Enforcer	1

Line	Option	Type	Option Description	Qty
88	0002224		Scuffplates, S/S At Cab Door Jambs, 4-Door Cab	1
			Material Trim/Scuffplate - c) S/S, Polished	
89	0647932		Not Required, Trim, S/S Band, Across Cab Face, AXT/Dash CF/Saber/Enforcer	1
90	0087357		Molding, Chrome on Side of Cab	1
91	0521669		Mirrors, Retractable, West Coast Style, Htd/Rmt, w/Htd/Rmt Convex	1
92	0617152		Mirror, 10.5", Blind Spot Convex (Grote Brand) @ PS Cab Roof Corner	1
93	0648171		Door, Half-Height, Saber FR/Enforcer 4-Door Cab, Level Roof	1
			Key Model, Cab Doors - 751	
			Cab, Exterior Door Handle, Finish - 4-Door, Black	
94	0655543		Door Panel, Brushed Stainless Steel, Saber/Enforcer 4-Door Cab	1
95	0630636		Controls, Electric Roll-Up Windows, 4dr, 4 Driver Controls, Saber FR/Enforcer	1
96	0638310		Steps, 4-Door Cab, Saber FR/Enforcer	1
			Step Well Material - Aluminum Treadplate	
97	0770194		Handrail, Exterior, Knurled, Alum, 4-Door Cab	1
98	0634786		Lights, Cab & Crw Cab Acs Stps, P25, LED w/Bezel, 6lts	1
99	0002141		Fenders, s/s on cab - Saber/Enforcer	1
100	0637984		Window, Side of C/C, Fixed, Saber FR/Enforcer	1
101	0619947		Lip, Dash Board, 1.00" Aluminum Angle Lip, Officer Side	1
102	0722796		Dash, Poly, Saber FR/Enforcer	1
103	0607217		Mounting Provisions, 3/16" Alum, Full Engine Tunnel, Saber FR/Enforcer	1
			Mounting Provision Spacing - 1.00"	
			Material Finish, Cab Interior - Painted	
104	0750824		Cab Interior, Vinyl Headliner, Saber FR/Enforcer, CARE	1
			Color, Cab Interior Vinyl/Fabric - Endure Vinyl - Black	
			Engine Tunnel Cover - Painted	
			Cab Interior Rear Wall Material - Painted Aluminum	
105	0753903		Cab Interior, Paint Color, Saber FR/Enforcer	1
			Color, Cab Interior Paint - i) fire smoke gray	
106	0052100		Floor, Rubber Padded, Cab & Crew Cab, Saber/Enforcer	1
107	0722696		HVAC, Enforcer, CARE	1
			HVAC System, Filter Access - Removable Panel	
			Auxiliary Cab Heater - None	
			HVAC System, Control Loc. - Panel Position #12	
			Plenum Cover Material - Formed Plastic	
108	0639675		Sun Visor, Smoked Lexan, AXT, Imp/Vel, Saber FR/Enforcer	1
			Sun Visor Retention - Thumb Latch	
109	0634328		Grab Handles, Driver and Officer Door Posts, Saber FR/Enforcer	1
110	0583938		Lights, Engine Comp, Custom, Auto Sw, Win 3SC0CDCR, 3" LED, Trim	1
			Qty, - 01	
111	0631830		Fluid Check Access, Saber FR/Enforcer, Arrow XT	1
112	0583039		Not Required, Side Roll and Frontal Impact Protection	1
113	0622619		Seating Capacity, 4 Seats	1
114	0636957		Seat, Driver, Pierce PSV, Air Ride, High Back, Saber FR/Enforcer	1
115	0636946		Seat, Officer, Pierce PSV, Fixed, SCBA, Saber FR/Enforcer	1
116	0620420		Radio Compartment, Below Non-Air Ride Seat, Saber FR/Enforcer	1
117	0632852		Seat, Rear Facing C/C, DS Outboard, Pierce PSV, SCBA, Saber FR/Enforcer	1
118	0102783		Not Required, Seat, Rr Facing C/C, Center	1
119	0632848		Seat, Rear Facing C/C, PS Outboard, Pierce PSV, SCBA, Saber FR/Enforcer	1
120	0108189		Not Required, Seat, Forward Facing C/C, DS Outboard	1
121	0785367		Cabinet, Forward Facing, Center, 38.50 W x 50 H x 18 D, Roll, SFR/Enf	1
			Material Finish, Shelf - Painted - Cab Interior	
			Shelf/Tray, Cabinet - (1) Shelf, Adjustable, 0.75" Up-Turned Lip	
			Door, Cab Interior Cabinet - Rollup, Gortite, White, Non-Locking	
			Light, Tall Cabinet - Pierce, Interior, Left Side and Pierce, Interior, Right	
		Side		
			Louvers, Cabinet - 0-No Louvers	
122	0108190		Not Required, Seat, Forward Facing C/C, PS Outboard	1
123	0766467		Upholstery, Seats In Cab, All Vinyl, Seats Inc, CARE	4
			Color, Cab Interior Vinyl/Fabric - Endure Vinyl - Black	
			Qty, - 04	
124	0065740		Bracket, Air Bottle, Zico, ULLH, Load & Lock, In Cab Seats	3
			Qty, - 03	

Line	Option	Type	Option Description	Qty
125	0603866		Seat Belt, Dual Retractor, ReadyReach, Saber FR/Enforcer	1
			Seat Belt Color - Red	
126	0602464		Helmet Storage, Provided by Fire Department, NFPA 2016	1
127	0647647		Lights, Dome, FRP Dual LED 4 Lts	1
			Color, Dome Lt - Red & White	
			Color, Dome Lt Bzl - Black	
			Control, Dome Lt White - Door Switches and Lens Switch	
			Control, Dome Lt Color - Lens Switch	
128	0602622		Portable Hand Light, Provided by Fire Department, Quint NFPA 2016 Classification	1
129	0622803		Cab Instruments, Black Gauges, Black Bezels, Enforcer MUX	1
			Emergency Switching - E-Master Only	
130	0509511		Air Restriction Indicator, Imp/Vel, AXT, Dash CF, Enf MUX	1
131	0543751		Light, Do Not Move Apparatus	1
			Alarm, Do Not Move Truck - Pulsing Alarm	
132	0743386		Messages, Open Dr/DNMT, Color Dsply, 100AAT	1
133	0622798		Switching, Cab Instrument Lower Console & Overhead, Rocker MUX, Enforcer	1
134	0644179		Wiper Control, 2-Speed with Intermittent, Saber FR/Enforcer	1
135	0731813		Hour Meter, Aerial, Included in Information Centers, ASL, AAT, ASP	1
136	0002615		Switch, Aerial 12V Master	1
137	0002617		PTO switch, w/light - aerial	1
138	0790048		Wiring, Spare, 20 A 12V DC, 12 Circuit Fuse Block, Blue Sea 5032	1
			Qty, - 01	
			12vdc power from - Battery direct	
			Location - RS2 rear wall, high and right as far as possible	
			12vdc power from 2 - a) battery direct	
139	0657222		Wiring, Spare, 20 A 12V DC, 12 Circuit Fuse Block, Blue Sea 5026 1st	1
			Qty, - 01	
			12vdc power from - Battery direct	
			Location - behind officer seat	
140	0797189		Wiring, Spare, 4.8 A 12V DC, USB Termination Blue Sea 1045 1st	1
			Qty, - 01	
			12vdc power from - Battery direct	
			Location - Officer Dash	
141	0548004		Wiring, Spare, 15 A 12V DC 1st	1
			Qty, - 01	
			12vdc power from - Battery direct	
			Wire termination - 15 amp power point plug	
			Location, Spare Wiring - Officer Dash	
142	0615386		Vehicle Information Center, 7" Color Display, Touchscreen, MUX	1
			System Of Measurement - US Customary	
143	0734857		Collision Mitigation, HAAS Alert (R2V), HA5	1
			Subscription, HAAS R2V - R2V - 5 Year Data Plan Subscription	
144	0606247		Vehicle Data Recorder w/CZ Display Seat Belt Monitor	1
145	0696439		Antenna Mount, Custom Chassis, Cable Routed to Instrument Panel Area	1
			Qty, - 01	
			Location, Antenna Mount - Right Side	
146	0653526		Camera, Pierce, Driver Mux, Rear Camera Only	1
			Camera System Audio - Not Provided	
147	0615112		Pierce Command Zone, Advanced Electronics & Control System, Enforcer, WiFi	1
148	0733539		Electrical System, Enf MUX ESP	1
149	0079211		Batteries, (6) Exide Grp 31, 950 CCA each, Threaded Stud	1
150	0008621		Battery System, Single Start, All Custom Chassis	1
151	0002698		Battery Compartment, Saber/Enforcer	1
152	0531315		Charger, Sngl Sys, IOTA, DSL-75, 75 Amp, Kussmaul 091-94-12 Ind, Qtm/Enf/SFR	1
153	0662220		Location, Charger, Cab Behind Driver Seat, Dash CF/Saber FR/Enf	1
154	0530949		Location, Bat Chrg Ind, Driver's Seat Riser	1
155	0016857		Shoreline, 20A 120V, Kussmaul Auto Eject, 091-55-20-120, Super	1
			Qty, - 01	
			Color, Kussmaul Cover - b) red	
			Shoreline Connection - Battery Charger	
156	0026800		Shoreline Location	1
			Location, Shoreline(s) - DS Cab Side	
157	0647728		Alternator, 430 amp, Delco Remy 55SI	1

Line	Option	Type	Option Description	Qty
158	0092582		Load Manager/Sequencer, MUX	1
			Enable/Disable Hi-Idle - e)High idle enable	
159	0648596		Headlights, Rectangular Halogen, AXT/Dash CF/Saber/Enforcer	1
160	0625953		Light, Directional, Wln 600 Cmb, Cab Crn, Wrp Bzl Out HD Lts, Enf, Sab FR	1
			Color, Lens, LED's - c)clear	
161	0620054		Light, Directional/Marker, Intermediate, Weldon 9186-8580-29 LED 2lts	1
162	0735474		Lights, Clearance/Marker/ID, Front, P25 LED 7 Lts, Saber FR/Enforcer	1
			Light Guard - No Guards	
163	0625210		Lights, Directional, Cab Front Side, Truck-Lite 19036Y LED, AXT/Enf	1
164	0670831		Lights, Clearance/Marker/ID, Rear, P25 LED 7Lts, 100AAT	1
165	0602938		Light, Marker End Outline, Rubber Arm, LED Marker Lamp, Rear Body	1
			Qty, Lights, Pair - 1	
166	0564683		Lights, Tail, Wln M6BTT* Red LED Stop/Tail & M6T* Amber LED Dir Arw For Hsg	1
			Color, Lens - Clear	
167	0561471		Lights, Backup, Wln M6BUW, LED, For Tail Lt Housing	1
168	0664481		Bracket, License Plate & Light, P25 LED	1
169	0556842		Bezels, Wln, (2) M6 Chrome Pierce, For mtg (4) Wln M6 lights	1
170	0589905		Alarm, Back-up Warning, PRECO 1040	1
171	0769420		Lights, Perimeter Cab, Amdor AY-LB-12HW020 LED 4Dr	1
172	0769564		Lights, Perimeter Pump House, Amdor AY-LB-12HW020 LED 1lt	1
173	0763190		Lights, Perimeter Body, Amdor AY-LB-12HW012 LED 3lts	1
			Control, Perimeter Lts - Parking Brake Applied	
174	0640629		Light, Wln, 12V PCPSM1* Pioneer LED Fld/Spt, Surface Mount 1st	2
			Location, Lights - one per side on the rear	
			Qty, - 02	
			Switch, Lt Control 1 DC,1 - a) DS Switch Panel	
			Switch, Lt Control 2 DC,2 - Cup Switch At Rear SS	
			Switch, Lt Control 3 DC,3 - d) No Control	
			Switch, Lt Control 4 DC,4 - d) No Control	
			Color, Wln Lt Housing - Chrome Flange	
175	0634174		Light, HiViz FT-MB-2.18-FT, 20.50", 2nd	2
			Location, Lights - PS Body catwalks in place of lights shown on original drawing	
			Qty, - 02	
			Switch, Lt Control 1 DC,1 - a) DS Switch Panel	
			Switch, Lt Control 2 DC,2 - e) No Control	
			Switch, Lt Control 3 DC,3 - d) No Control	
			Switch, Lt Control 4 DC,4 - d) No Control	
			Color, Lt Housing - Black	
176	0634175		Light, HiViz FT-MB-2.18-FT, 20.50", 1st	2
			Location, Lights - DS Body catwalks in place of lights shown on original drawing	
			Qty, - 02	
			Switch, Lt Control 1 DC,1 - a) DS Switch Panel	
			Switch, Lt Control 2 DC,2 - e) No Control	
			Switch, Lt Control 3 DC,3 - d) No Control	
			Switch, Lt Control 4 DC,4 - d) No Control	
			Color, Lt Housing - Black	
177	0792512		Light, Roof Mt, HiViz, FT-B-X-72-*-, Cnt Feature, Mux	1
			Control, Scene Lts - Cab Sw Panel DS	
			Color, Lt Housing HiViz - Black	
			Scene Light Optics - Flood/Spot	
178	0766802		Not Required, Deck Lights, Other Hose Bed & Rear Lighting, 100AAT	1
179	0729276		Lights, Hose Bed, Front/Rear, Light Strips, AAT	1
			Control, Hose Bed Lts - Cup Switch At Rear	
180	0645677		Lights, Not Required, Rear Work, Alt. 12 Volt Lights At Rear Body	1
181	0766879		Lights, Walk Surf, FRP Flood, P25 LED, 100AAT	1
182	0771870		Aerial, 100AAT, Alum Body	1
183	0554271		Body Skirt Height, 20"	1
184	0769002		Tank, Water, 300 Gallon, Poly, 100AAT	1
185	0751917		Overflow, 3.00" Water Tank, Poly	1
186	0028107		Not Required, Foam Cell Modification	1
187	0769016		Hose Bed, Alum, Right Side, 100AAT	1

Line	Option	Type	Option Description	Qty
188	0723546		DA Finished Hose Bed/Cargo Area	1
189	0555137		Hose Bed Capacity 800' of 5.00", 100AAT, 100' RMAP	1
190	0748063		Hose Restraint, Front Vinyl/Treadplate, 1" Heavy Nylon Web Rear, 100AAT	1
			Color, Vinyl Cover - c) black	
191	0003512		Running Boards, Ascendant, PAL	1
192	0735582		Turntable Steps, Swing-Down, Left Side, 100AAT	1
			Step, Flip - No Flip Step	
			Body Handrail Finish - knurled aluminum	
			Step Surface, Turntable - Punched Grip	
193	0554001		Lights, Step (3), P25 LED, Swing Down Access Steps, One Side	1
194	0690023		Wall, Rear, Smooth Aluminum	1
195	0074515		Tow Eyes (2), 100AAT, Ascendant Single Axle, 75' HAL	1
196	0769019		Construction, Compt, Alum, 100AAT	1
197	0771234		Compt, Left Side, Lap, 100AAT	1
			Latch, Door, Access - D-ring latch, black, pair	
198	0771230		Compt, Right Side, Lap, 100AAT	1
199	0771213		Doors, Lap w/"D" Handles, Aluminum, Side Compartments	1
200	0740006		Bumper, Rear, 3", Counterweight, Steel, Full 45 Degree Angled Corners, 100AAT	1
201	0074012		Scuffplate, Brushed S/S, Inside Each Compt Door	13
			Qty, Door Accessory - 13	
			Location, Door Accessory - All body doors	
202	0603083		Lights, Compt,Pierce LED,Dual Light Strips,Each Side Dr,Ascend TA,75'HAL,PAP,HDL	9
			Qty, - 09	
			Location, Compartment Lights - All Body Compts	
203	0687145		Shelf Tracks, Recessed, PUC/3rd Generation	1
204	0600289		Shelves, Adj, 500 lb Capacity, Full Width/Depth, Predefined Locations, Aerial	5
			Qty, Shelf - 05	
			Material Finish, Shelf - Painted - Spatter Gray	
			Location, Shelves/Trays, Predefined - RS1-Centered, RS3-Centered, RS5-Centered, RS5-Upper Third and RS2-Upper Third	
205	0647772		Tray, Floor Mounted, Slide-Out, 500lb, 2.00" Sides, 3G	2
			Qty, - 02	
			location - RS2, RS4	
			Material - Painted - Spatter Gray	
206	0709346		Toolboard, Slide-out, Alum, .188", Peg Board, Predefined Locations	1
			Qty, - 01	
			Mounting, Toolboard - Adjustable side-side	
			Hole Diameter, Pegboard/Toolboard - .281" diameter	
			Finish, Pegboard/Toolboard - Painted - Spatter Gray	
			Location, Partition/Toolboard, Predefined - LS1 - Centered	
207	0544614		Toolboard, Swing-out, Alum, .188", Peg Board, 3G	1
			Qty - 1	
			Location, Pivot - Back	
			Mounting, Toolboard - Adjustable Frt-back	
			Hole Diameter, Pegboard/Toolboard - .203" diameter	
			Finish, Pegboard/Toolboard - Painted - Spatter Gray	
			Location, Toolboard - LS3 - Rear of Partition	
208	0726457		Partition, Vertical Compt, Predefined Locations	1
			Qty, Partition - 01	
			Location, Partition/Toolboard, Predefined - LS3- 14.00" From Forward	
			Door Frame	
			Material Finish, Partition - Painted - Spatter Gray	
209	0659095		Pegboard, 3/16" Alum, Back Wall Compt, w/Track	1
			Qty, Comp. Accessory - 01	
			Hole Diameter, Pegboard/Toolboard - .203" diameter	
			Finish, Pegboard/Toolboard - Painted - Spatter Gray	
			Location, Pegboard Back Compt Wall - LS3	
210	0061917		Rub Rail, Aluminum Extruded, 3.12", Side of Body	1
211	0769018		Fender Crowns, Rear, S/S, w/Removable Fender Liner, Aerial, 3rd Gen, Two Pair	1
212	0519849		Not Required, Hose, Hard Suction	1
213	0626229		Handrails, Side Pump Panels, Per Print	1

Line	Option	Type	Option Description	Qty
214	0765324		Compt, Air Bottle/Extinguisher,Between Tandems,Three (3),w/Straps,100AAT,Bolt-In Qty, Air Bottle Comp - 1 Location, driver's/passenger's/center - RS Door Finish, Fender Compt - Painted Latch, Air Bottle Compt - Southco C2 Black Raised, Pair Insert, Air Bottle Compt - Rubber Matting Door Type - lift up with pneumatic spring	1
215	0760668		Compt, Equipment/Air Pack, Betw Tandems, No Dividers, w/Strap, 100AAT, Bolt-In Qty, Air Bottle Comp - 1 Location, driver's/passenger's/center - LS Door Finish, Fender Compt - Painted Latch, Air Bottle Compt - Southco C2 Black Raised, Pair Insert, Air Bottle Compt - Rubber Matting Door Type - lift up with pneumatic spring	1
216	0657522		Compt, Air Bottle, Triple, Fender Panel Qty, Air Bottle Comp - 1 Door Finish, Fender Compt - Painted Location, Fender Compt - Triple - RS Rear Latch, Air Bottle Compt - Southco C2 Black Raised Insert, Air Bottle Compt - Rubber Matting	1
217	0795333		Compt, Air Bottle, Single, Fender Panel, Bolt-In Qty, Air Bottle Comp - 2 Door Finish, Fender Compt - Painted Location, Fender Compt - Single - LS Fwd and Single - LS Rear Latch, Air Bottle Compt - Southco C2 Black Raised Insert, Air Bottle Compt - Rubber Matting	2
218	0730276	SP	Compt, Extinguisher (2) in Fender Panel, RS Front, w/Divider, 100AAT Qty, - 01 Door Finish, Fender Compt - Painted Latch, Air Bottle Compt - Southco C2 Black Raised Insert, Air Bottle Compt - Rubber Matting	1
219	0768635		Ladder, 35' Duo-Safety 1200A 2-Sect Qty, - 02	2
220	0010406		Ladder, 28' Duo-Safety 1200A 2-Section Qty, - 1 Location, Extension Ladder - torque box	1
221	0595251		Ladder, 16' Duo-Safety 875-DR Roof, Hooks Both Ends Qty, - 01	1
222	0629039	SP	Ladder, 12' Duo-Safety 875-DR Roof Qty, - 01 Location - aerial fly section	1
223	0652466		Ladder, 20' Duo-Safety 875-DR Roof Qty, - 01	1
224	0024233		Not Required, Attic Extension Ladder	1
225	0768634		Ladder, 10' Duo-Safety Folding, 585A Qty, - 02 Location, Folding Ladder Aerial - torque box	2
226	0745985		Ladders Stored in Torque Box, Gortite Roll, 100AAT Color, Roll-up Door, Gortite - Satin finish Latch, Roll-up Door, Gortite - Non-Locking, Rear Latch, Door Ladder Storage - Southco C2 Chrome Raised, Pair	1
227	0766602		Lights, Torque Box Ladder Storage, Pierce LED Strip Lights, 2 Lts, 100AAT	1
228	0602706		Pike Pole, 12', Quint, Provided by Fire Department, NFPA 2016 Qty, - 02 Pike Pole Make/Model - Akron 12' Pike Pole	2
229	0602688		Pike Pole, Quint, Provided by Fire Department, NFPA 2016 Qty, - 02 Pike Pole Make/Model - Fire Hooks Unlimited New York Roof Hook, RH-10	2
230	0602866		Pike Pole, 6', Quint, Provided by Fire Department, NFPA 2016 Qty, - 02 Pike Pole Make/Model - Fire Hooks Unlimited 6'/8' New York Roof Hook	2
231	0014343		Not Required, Pike Pole, 3'	1

Line	Option	Type	Option Description	Qty
232	0770578		Pike Pole Tubes, in Torque Box/Ladder Storage, ABS	6
			Qty, - 06	
233	0611189		Label, Indicator Lamp Symbols, Sun Visor	1
			Location - DS	
234	0768688		Pump House, Side Control, 36", 100AAT, Control Zone	1
235	0767048		Pump House Structure	1
236	0767622		Pump, Waterous, S100, 2000 GPM, Single Stage, 100' AAT	1
237	0504116		Seal, Mechanical, Waterous, w/S100 Pump	1
238	0559768		Trans, Pump, Waterous C20, S100 Pump Only	1
239	0635600		Pumping Mode, Stationary Only	1
240	0605125		Pump Shift, Air w/o Manual Override, Split Shaft, Interlocked, Waterous	1
241	0003148		Transmission Lock-up, EVS	1
242	0004547		Auxiliary Cooling System	1
243	0014486		Not Required, Transfer Valve, Stage Pump	1
244	0737989		Valve, Relief Intake, Waterous	1
			Qty - 1	
			Pressure Setting - 125 psig	
245	0899983	SP	Controller, Pressure, Pierce, Custom Chassis, AAT, Non-NFPA 2016/Non-ULC-S515	1
246	0072153		Primer, Trident, Air Prime, Air Operated	1
247	0780364		Manuals, Pump, (2) Total, Electronic Copies	1
248	0602492		Plumbing, Stainless Steel and Hose, Single Stage Pump, 100AAT	1
249	0089437		Plumbing Without Foam System	1
250	0758412		Inlets, 6.00", (2) Right Side, 1500-2000 GPM Pump, 100AAT	1
251	0004646		Cap, Main Pump Inlet, Long Handle, NST, VLH	1
252	0084610		Valves, Akron 8000 series- All	1
253	0016158		Valve, Inlet(s) Recessed, Side Cntrl, "Control Zone"	1
			Qty, Inlets - 1	
254	0004700		Control, Inlet, at Valve	1
255	0004660		Inlet (1), Left Side, 2.50"	1
256	0029147		Not Required, Inlet, Right Side	1
257	0034720		Anode, Zinc, Pair, Pump Inlets	1
258	0563738		Valve, .75" Bleeder, Aux. Side Inlet, Swing Handle	1
259	0767284		Tank to Pump, (1) 3.00" Valve, 3.00" Plumbing, 100AAT	1
260	0004905		Outlet, Tank Fill, 1.50"	1
261	0062133		Control, Outlets, Manual, Pierce HW if applicable	1
262	0004940		Outlet, Left Side, 2.50"	2
			Qty, Discharges - 02	
263	0005091		Elbow, Left Side Outlets, 45 Degree, 2.50" FNST x 2.50" MNST, VLH	1
264	0004945		Outlet, Right Side, 2.50"	1
			Qty, Discharges - 01	
265	0025091		Elbow, Right Side Outlets, 45 Degree, 2.50" FNST x 2.50" MNST, VLH	1
266	0767613		Outlet, 4" w/4" Right, Sm Handwheel, 100AAT	1
			Valve, Brand - Akron	
267	0005097		Elbow, Large Dia Outlet, 30 Deg, 4.00" FNST x 5.00" Storz	1
			Qty, - 01	
268	0092572		Not Required, Outlet, Front	1
269	0752096		Caps/Plugs for 1.00" to 3.00" Discharges/Inlets, Vinyl Covered Cable	1
270	0563739		Valve, 0.75" Bleeder, Discharges, Swing Handle	1
271	0029106		Not Required, Deluge Outlet	1
272	0767110		Waterway Outlet & Control, 4" Akron, Sm HW, 100AAT	1
273	0723726		Speedlay Module Not Required	1
274	0722432		Hose Restraint Not Required, No Speedlay Module	1
275	0723395		Speedlays, Not Required	1
276	0723394		Speedlays, Not Required	1
277	0762299		Crosslays Sngl Sheet Unpainted, (1+) 1.50" Std.Cap, w/Poly Tray, 100AAT	2
			Qty, Crosslays - 2	
278	0029196		Not Required, 2.50" Crosslay	1
279	0625777		Hose Rest, Crosslays, 2" Nylon Web, Seat Belt Buckle in Corner, Tether, Sides	2
			Qty, - 02	
280	0044333		Not Required, Foam System	1
281	0012126		Not Required, CAF Compressor	1

Line	Option	Type	Option Description	Qty
282	0552517		Not Required, Refill, Foam Tank	1
283	0042573		Not Required, Foam System Demonstration	1
284	0045465		Not Required, Foam Tanks	1
285	0091110		Not Required, Foam Tank Drain	1
286	0091112		Not Required, Foam Tank #2 Drain	1
287	0738072		Approval Dwg, Pump Panel(s), Not Required	1
288	0032479		Pump Panel Configuration, Control Zone	1
289	0747651		Step, Slide-Out/Fold-Out, Pump Operator Platform, 100AAT	1
290	0667186		Light, Slide-Out Pump Operator Step, On Scene Solutions Access LED, Short Step	1
291	0629252		Material, Pump Panels, Side Control Black Vinyl	1
			Material Finish, Pump Panel, Side Control - Black Vinyl	
			Material, Pump Panel, Side Control - Aluminum	
292	0743479		Panel, Pump Access - Right Side Only, Recessed Lift & Turn Latches 100AAT	1
293	0583824		Light, Pump Compt, Wln 3SC0CDCR LED White	1
			Qty, - 01	
294	0536401		Gauges, Engine, Included With Pierce Pressure Controller	1
295	0005601		Throttle, Engine, Incl'd w/Press Controller	1
296	0739224		Indicator Light @ Pump Panel, Throttle Ready, Incl w/Pressure Gov/Throttle, Green	1
297	0549333		Indicators, Engine, Included with Pressure Controller	1
298	0745568		Indicator Light, Pump Panel, Ok To Pump, Green	1
299	0080713		Control, Air Horn At Pmp Pnl, Red Button, Labeled "Evacuation"	1
300	0511078		Gauges, 4.00" Master, Class 1, 30"-0-600psi	1
301	0511100		Gauge, 2.00" Pressure, Class 1, 30"-0-400psi	1
302	0536428		Gauge, Water Level, Pierce, In pressure Controller	1
303	0006774		Not Required, Foam Level Gauge	1
304	0593126		Light Shield, S/S DS & PS, 100AAT, Std LED	1
305	0761601		Air Horns, (2) Grover, In Bumper, 100AAT	1
306	0606833		Location, Air Horns, Bumper, Each Side, Inside Frame (Pos #3 & #5)	1
307	0757092		Control, Air Horn, Multi Select	1
308	0757084		Control, Air Horn, Horn Ring	1
309	0757076		Control, Air Horn, Lanyard, RS	1
			Lanyard - Nylon covered cable	
310	0533071		Siren, Wln 295SLSC1, 100 or 200 Watt, w/Plug-in/Detachable Microphone Cord	1
311	0510206		Location, Elect Siren, Recessed Overhead In Console	1
			Location, Elec Siren - Overhead, DS Inside Sw Pnl	
312	0076156		Control, Elec Siren, Head Only	1
313	0601306		Speaker, (1) Wln, SA315P, w/Pierce Polished Stainless Steel Grille, 100 watt	1
			Connection, Speaker - siren head	
314	0601565		Location, Speaker, Frt Bumper, Recessed, Center (Pos 4)	1
315	0748282		Control Mech Siren, Ft Sw LS	1
316	0735899		Sw, Siren Brake, Mom Rocker, Red Outline, LS Overhead Sw Pnl, Mux	1
317	0746353		Not Required, Warning Lights Intensity	1
318	0606775		Lightbar, Wln, Freedom IV-Q, 72", RRWRRR____RRRWRR	1
			Filter, Whl Freedom Ltbrs - No Filters	
319	0751906		Lights, Side Basket, Wln, M6** LED, 100AAT 1st	2
			Qty, - 02	
			Color, Lights, Warning - Red Flashing	
			Color, Lens, LED's - Clear	
			Color, Trim - Chrome Trim	
			Location, Lts 100AAT, Left Side - Left Side, Lower Front (LB7)	
			Location, Lts 100AAT Right Side - Right Side, Lower Front (RB7)	
320	0736102	SP	Lights, Front Zone, Wln M6# M6** M6** M6** M6# Wrap Hdlt Bzl, Enf 6lts	1
			Color, Lens, LED's - Clear	
			Color, Lt DS Frnt Outside - Left Red	
			Color, Lt PS Frnt Outside - Right Red	
			Color, Lt DS Frnt Inside - Left Red	
			Color, Lt PS Frnt Inside - Right Red	
			Color, Lt DS Frnt Out Corner Cmb - Red Front and White Rear	
			Color, Lt PS Frnt Out Corner Cmb - Red Front and White Rear	
			Color, Q Bezel and Trim - Polished Chrome	
321	0540692		Lights, Side Zone Lower, Wln M6*C LED, Clear Lens, 3pr, Ovr 25	1
			Location, Lights Front Side - b)each side bumper	

Line	Option	Type	Option Description	Qty
321			Color, Lt Side Front - Red Color, Lt Side Middle - Red Color, Lt Side Rear - Red Location, Lights Mid Side - Over Front Wheels Location, Lights Rear Side - Between Tandem	
322	0564655		Lights, Rear Zone Lower, Wln M6*C LED, Clear Lens, For Tail Lt Housing Color, Lt DS Rear - r) DS Rear Lt Red Color, Lt PS Rear - r) PS Rear Lt Red	1
323	0088745		Light, Rear Zone Up, Wln L31HRFN LED Beacon, Red LED Color, Dome, Rear Warning - j) both domes clear	1
324	0006551		Not Required, Lights, Rear Upper Zone Blocking	1
325	0789467		Light, Traffic Directing, Wln TAM65 Split, 2-19.75" Long LED Activation, Traffic Dir L - Not Connected	1
326	0738095		Location, Traf Dir Lt, Surface Mounted Over Rear Door in Box 100AAT	1
327	0530290		Location, Traf Dir Lt Controller, Overhead Recessed Console, above Eng Tnl PS	1
328	0780360		Receptacle Strip, 20A 120V 6-Place, Interior Cab Qty, - 1 Location 1 - between the driver seat and the DS rear facing seat AC Power Source - Shoreline	1
329	0783678		Receptacle, 15/20A 120V 3-Pr 3-Wr, NEMA 5-20R SB Dup, 1st Location, Receptacles - recessed in the RS5, rear wall as high as possible Qty, - 01 AC Power Source - Shoreline Cover, Receptacle - Exterior Flip Up Duplex Cover(s)	1
330	0519934		Not Required, Brand, Hydraulic Tool System	1
331	0649753		Not Required, PTO Driven Hydraulic Tool System	1
332	0771866		Aerial, Ascendant 100' Aerial Tower	1
333	0680821		Boom Panel, Pair Paint Color, Predefined - black 101	1
334	0526890		Not Required, Indicator, Extension	1
335	0688232		Rung Covers, Aerial Device Rung Cover Color - Safety Yellow	1
336	0623645		Aerial Stability Test, Max Tip Options	1
337	0678539		Brackets Only, Roof/Wall Ladder, Aerial Fly Section Finish - Painted, Aerial Device Color Roof Ladder, Make/Model - 12' Duo-Safety 875-DR	1
338	0766887		Brackets, Stokes Storage, Base Section Above Boom Panel, 100AAT Qty, - 01 Finish - Painted, Aerial Device Color Location, Aerial Device - right side	1
339	0728982		Box, Saw Storage, w/Cover, Base Section Above Boom Panel, 100AAT, Door Sw Qty, - 02 Finish - Painted, Aerial Device Color Latch, Door, Storage - "D" Handle Latch Location, Aerial Device - each side Louvers - no louvers	2
340	0770598		Basket, 100AAT	1
341	0766894		Lights, Turntable Walkway, P25, On Scene, LED, 100AAT	1
342	0767535		Light, Turntable Console, TecNiq E-10, LED	1
343	0732762		Basket Heat Shields, 100AAT	1
344	0766953		Control Stations, 100AAT	1
345	0751348		Lights, Basket Interior, CLC-1049-20, 20" 100AAT	1
346	0771862		Stabilizers, 100AAT, Three Sets	1
347	0729051		Stabilizer Pan and Trim Material Stabilizer Panels - smooth aluminum, painted to match lower body color Stabilizer Trim - polished stainless steel	1
348	0746173		Door, Stabilizer Control Box, Aerial MUX, 100AAT Latch, Door, Storage - Southco C2 Black Raised Hinge Location - Inboard Door, Material & Finish, Stabilizer - Smooth aluminum	1
349	0615058		Stabilizer Placement, Cameras w/Command Zone Color Display, 1 Set	1
350	0771218		Hydraulic System, 100AAT	1

Line	Option	Type	Option Description	Qty
351	0767932		Swivels, w/Encoder, 36, 100AAT	1
352	0767931		Electrical System, 100AAT	1
353	0731661	SP	Light, Tip, HiViz FT-MB-2.15-* 17.5" FT-MBKIT-PX, Frnt of Bskt 100AAT 1lt	1
			Color, Lt Housing HiViz - Black	
			Scene Light Optics - combination	
			Control, Tip Lts - Turntable and Tip	
354	0752453		Lights, Tracking, Wln MPB* LED, 100AAT 2lts	1
			Color, Wln Lt Housing - White Paint	
			Scene Lt Optics LH Base - L Spot	
			Scene Lt Optics RH Base - R Spot	
355	0769515		Basket Access, Ladder Style, 100AAT	1
			Finish, Step Well - aluminum treadplate	
356	0554330		Lights, Step (4), P25, Ladder Style Access Steps, Both Sides A Mstr	1
357	0741191	SP	Lighting, Rung, LED, TecNiq, 5 Section, Base/Low/Cent/Upper/Fly, 3 Colors RWB	1
			Control, Aerial Rung Lighting - Aerial Master	
358	0734989	SP	Light, Locator, Wln M6**, LED, Sides 100AAT 1st	2
			Color, Light - Blue	
			Qty, - 02	
			Color, Lens, LED's - Clear	
			Color, Trim - Chrome Trim	
			Location, Lts 100AAT, Left Side - Left Side, Lower Front (LB7)	
			Location, Lts 100AAT Right Side - Right Side, Lower Front (RB7)	
359	0734097		Review Not Required, Rung Lighting 100AAT	1
360	0540743		Lights, Stabilizer Warn (2) Sets, Wln M6*C LED, Clear Lens	1
			Color, Lt Rr Stabilizr Pan - r) Pan Light Red	
			Color, Lt Fr Stabilizr Pan - r) Pan Light Red	
361	0068703		Lights, Grote Supernova LED, Stabilizer Beam, (1) Set	1
362	0762387		Lights, Stabilizer Scene, (3) sets, Amdor AY-LB-12HW012, 100AAT	1
363	0741714		DC Power To Tip, 20.48 Amp, 100AAT	1
364	0736991	SP	Light, HiViz, FT-MB-2.9-**, 11.10" 12 Volt Under Corner Steps, 100AAT, 1st	2
			Qty, - 02	
			Location, Sw, ARI AC Lts - M)2 Pos	
			Color, Lt Housing HiViz - Black	
			Scene Light Optics - combination	
			Location, Lts Under 100'AAT Steps - LS Under Corner Step Center	
			(US5) and RS Under Corner Step Center (US11)	
365	0737181		Intercom, 2-Way Fire Research ICA910 Hands Free	1
366	0540918		Not Required, Breathing Air to Tip, Aerial Platform	1
367	0024742		Not Required, Mask, Breathing Air To Tip	1
368	0767396		Aerial Pedestal, 100AAT	1
369	0766834		Lyfe Brackets, 3-In-1, Used w/Duo-Safety 875 Ladders ONLY, 100AAT	1
370	0767148		Turntable Access, ManSaver Bar, Red	1
371	0769514		Waterway, 100AAT	1
372	0743513		(1) Preconnect At Platform, (1) Monitor, 100AAT	1
			Location, Aerial Basket - left	
373	0540474		Monitor, TFT Monsoon Y4-E21A-P Electric	1
			Nozzle, Monitor 1, PAP - TFT M-ERP2000 Electric 2000 gpm	
374	0086971		Flowmeter, Waterway, MUX, PAP	1
375	0009364		Inlet, 5.00", S/S, w/ Pump, Right Side, 100AAT	1
376	0047901		Not Required, Tools, Aerial, PAL/PAP	1
377	0559491		Manuals and Training, 3 Consecutive Days, Platform	1
378	0007150		Bag of Nuts and Bolts	1
			Qty, Bag Nuts and Bolts - 1	
379	0602497		NFPA Required Loose Equipment, Quint, NFPA 2016, Provided by Fire Department	1
380	0519913		Not Required, Soft Suction Hose	1
381	0027023		No Strainer Required	1
382	0602534		Extinguisher, Dry Chemical, Quint NFPA 2016, Provided by Fire Department	1
383	0602352		Extinguisher, 2.5 Gal. Pressurized Water, Quint, NFPA 2016, Provided by Fire Dept	1
384	0765595		Ladder Belts, Aerial	1
			Safety Belt, Large/XL - (2) two Large/XL (34"-42" waist)	
			Safety Belt, Small/Medium - (0) small/medium (26"-34" waist)	
			Safety Belt, XXL - (1) one XXL (42"-50" waist)	
385	0007482		Not Required, Crowbars	1

Line	Option	Type	Option Description	Qty
386	0007484		Not Required, Claw Tools	1
387	0602883		Axe, Flathead, Quint NFPA 2016, Provided by Fire Department	1
388	0602670		Axe, Pickhead, Quint NFPA 2016, Provided by Fire Department	1
389	0007494		Not Required, Sledgehammers	1
390	0741569		Paint Process / Environmental Requirements, Appleton	1
391	0709567		Paint, Single Color, Enforcer	1
			Paint Color, Cab - #90 Red	
392	0709845		Paint, Single Color, Body	1
			Paint, Body - Match Lower Cab	
393	0646901		Paint Chassis Frame Assy, With Liner, E-Coat, Standard	1
			Paint Color, Frame Assembly, Predefined - Standard Black	
394	0693797		No Paint Required, Aluminum Front Wheels	1
395	0687652		Paint, Rear Wheels, Tandem Axle, Alum-Stl	1
			Paint, Wheels - Black #101	
396	0733739		Paint, Axle Hubs	1
			Paint, Axle Hub - Black #101	
397	0007230		Compartment, Painted, Spatter Gray	1
398	0792638		Aerial Platform Paint	1
			Paint Color, Aerial Device - Black 101	
			Paint Color, Turntable - Black 101	
			Paint Color, Boom Support - black 101	
			Paint Color, Cylinders - black 101	
			Paint Color, Aerial Torque Box - black 101 paint	
			Paint Color, Aerial Stabilizers - black 101	
			Paint Color, Aerial Basket - black 101	
			Paint Color, Aerial Rotation Motor - Black	
			Paint Color, Aerial Control Console - black 101	
399	0544129		Reflective Band, 1"-6"-1"	1
			Color, Reflect Band - A - e) black	
			Color, Reflect Band - B - p) black	
			Color, Reflect Band - C - za) black	
400	0007356		Reflective across Cab Face	1
401	0583454		Stripe, Chevron, Rear, Diamond Grade, Aerial	1
			Color, Rear Chevron DG - fluorescent yellow green	
402	0598754		Stripe, Reflective/Diamond Grade, 4.00" on Stabilizers	1
			Color, Reflect Band - A - p) fluorescent yellow green diamond grade	
403	0038596		Stripe, Reflective, 1"-6"-1" on Basket	1
			Color, Reflect Band - A - c) ruby red	
			Color, Reflect Band - B - n) ruby red	
			Color, Reflect Band - C - y) ruby red	
404	0079341		Jog, In Reflective Stripe "Hockey Stick"	1
			Qty, - 01	
405	0019561		Stripe, Reflective, 1"-6"-1", Additional Along the Body Sides	1
			Color, Reflect Band - A - c) ruby red	
			Color, Reflect Band - B - n) ruby red	
			Color, Reflect Band - C - y) ruby red	
406	0545179		Stripe, Diamond Grade, Chevron, Front Bumper	1
			Size, Chevron Stripping - 04	
			Color, Chevron DG - Yellow Green, Fluorescent	
			Color, Chevron DG - B - Red	
407	0593225		Stripe, Reflective, Cab Doors Interior, Diamond Grade	1
			Color, Reflect Band - A - p) fluorescent yellow green diamond grade	
408	0679894		Stripe, Reflective, Box, Boom Sign without Scrolls, Aerial	1
409	0033179		Lettering Specifications, Reflective	1
410	0686153		Lettering, Reflective, 4.00", (21-40)	1
			Outline, Lettering - Outline and Shade	
411	0686002		Lettering, Reflective, 8.00", Each	10
			Qty, Lettering - 10	
			Outline, Lettering - Outline and Shade	
412	0686033		Lettering, Reflective, 4.00", Each	4
			Qty, Lettering - 04	
			Outline, Lettering - Outline and Shade	

Line	Option	Type	Option Description	Qty
413	0686006		Lettering, Reflective, 7.00", (1-20)	1
414	0686018		Outline, Lettering - Outline and Shade Lettering, Reflective, 5.00", Each	3
415	0037227		Qty, Lettering - 03 Outline, Lettering - No Outline or Shade Lettering, Reflective, Reverse Cut Into Reflective Band	6
416	0695610		Location - 6" strip on the platform basket, see print Qty, Lettering - 06 Size, Lettering, Reflect - 05 Emblem, Reflective, Per Dept. Submittal, Each	1
417	0769753		Qty, - 01 Location, Emblem - SPLOST logo on rear roll up door Size, Dept Seal, Reflect - 22" - 24"	1
418	0772003		Emblem, American Flag Painted on Cab Grille, All Custom Chassis	1
419	0772037		Manual, Fire Apparatus Parts, USB Flash Drive, Custom Qty, - 01	1
420	0773381		Manual, Chassis Service, USB Flash Drive, Custom Qty, - 01	1
421	0030008		Manual, Chassis Operation, (1) USB Flash Drive, Custom	1
422	0735523		Warranty, Basic, 1 Year, Apparatus, WA0008	1
423	0684952		Warranty, Engine, Paccar MX13, 5 Year	1
424	0596017		Warranty, Steering Gear, TRW Ross TAS, 1 Year WA0202	1
425	0610471		Warranty, Frame, 50 Year, Custom Chassis, WA0013	1
426	0733305		Warranty, Axle, Eaton/Dana, 5 Year/100,000 Mile, Parts and Labor	1
427	0652758		Warranty, Tandem Axle, 5 Year, Meritor, General Service, WA0384	1
428	0019914		Warranty, ABS Brake System, 3 Year, Meritor Wabco, WA0232	1
429	0744240		Warranty, Structure, 10 Year, Custom Cab, WA0012	1
430	0524627		Warranty, Paint, 10 Year, Cab, Pro-Rate, WA0055	1
431	0695416		Warranty, Electronics, 5 Year, MUX, WA0014	1
432	0647720		Warranty, Pierce Camera System, WA0188	1
433	0046369		Warranty, Pierce LED Strip Lights, WA0203	1
434	0685945		Warranty, 5-year EVS Transmission, Standard Custom, WA0187	1
435	0688798		Warranty, Transmission Cooler, WA0216	1
436	0596025		Warranty, Water Tank, Lifetime, UPF, Poly Tank, WA0195	1
437	0693127		Warranty, Structure, 10 Year, Body, WA0009	1
438	0734463		Warranty, Gortite, Roll-up Door, 6 Year, WA0190	1
439	0648675		Warranty, Pump, Waterous, 7 Year Parts, WA0382	1
440	0641372		Warranty, 10 Year S/S Pumping, WA0035	1
441	0006999		Warranty, Foam System, Not Available	1
442	0687388		Warranty, Structure, 20 Year, Aerial Device, WA0052	1
443	0685727		Warranty, Swivels, 5 Year, Aerial Device, WA0197	1
444	0687327		Warranty, Hydraulic System and Components, 3 Year/5 Year, WA0200	1
445	0595860		Warranty, Waterway, 10 Year, Aerial Device, WA0198	1
446	0553455		Warranty, Paint, 4 Year, Aerial Device, Pro-Rated, WA0047	1
447	0595820		Warranty, Electronics, 5 Year, MUX, WA0014	1
448	0595412		Warranty, Paint, 10 Year, Body, Pro-Rate, WA0057	1
449	0683627		Warranty, Graphics Lamination, 1 Year, Apparatus, WA0168	1
450	0735686		Certification, Vehicle Stability, CD0156	1
451	0686786		Certification, Engine Installation, Enf, Paccar MX13, 2021	1
452	0631980		Certification, Power Steering, CD0098	1
453	0631973		Certification, Cab Integrity, Saber FR/Enforcer, CD0130	1
454	0631978		Certification, Cab Door Durability, Saber FR/Enforcer, CD0137	1
455	0631974		Certification, Windshield Wiper Durability, Saber FR/Enforcer, CD0132	1
456	0631977		Certification, Electric Window Durability, Saber FR/Enforcer, CD0133	1
457	0735949		Certification, Seat Belt Anchors and Mounting, Saber FR/Enforcer, CD0134	1
458	0545073		Certification, Cab HVAC System Performance, SFR/Enf, CD0165/CD0167/CD0174/CD0175	1
459	0002758		Amp Draw Report, NFPA Current Edition	1
460	0799248		Amp Draw, NFPA/ULC Radio Allowance	1
461	0000053		Appleton/Florida BTO	1
462	0000012		Ascendant Tower	1
			PIERCE CHASSIS	1

Line	Option	Type	Option Description	Qty
463	0735525		PACCAR MX13 ENGINE	1
464	0046396		EVS 4000 Series TRANSMISSION	1
465	0020011		WATEROUS PUMP	1
466	0020009		POLY TANK	1
467	0028047		NO FOAM SYSTEM	1
468	0020006		SIDE CONTROL	1
469	0020007		AKRON VALVES	1
470	0020015		ABS SYSTEM	1
471	0658751		PUMPER BASE	1

ASCENDANT[®] 100' HEAVY-DUTY AERIAL TOWER



TEN-8
IN SERVICE TO SERVE YOU

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Fire Apparatus
Sales Representative

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MAXIMIZED MANEUVERABILITY, DRIVABILITY, OPERABILITY, AND SERVICEABILITY.

In the market for a mid- or rear-mounted tower? Take a look at the new Pierce® Ascendant® 100' Heavy-Duty Aerial Tower with its market disrupting maneuverability, drivability, operability, and serviceability.

Reaching heights of 100' vertically and 93' horizontally, the Ascendant 100' Aerial Tower packages a 5-section heavy-duty steel tower onto a vehicle with a low overall height of 10'8" and length under 42'. Its 160" rear overhang minimizes tail-swing, offering superior maneuverability and even greater visibility than that of a rear-mounted tower.

The Ascendant 100' Aerial Tower is available on a variety of custom chassis and body styles to meet your department's needs. Its integrated ground pads eliminate time spent throwing ground pads, so setup is streamlined and faster than any other aerial on the market. Configured as shown with a rear axle rating of only 48,000 lb, it outperforms with a 1,000 lb tip load capacity, up to 20-degree below grade operation, and a 50-degree scrub area. All of this is accomplished at a mere 20' set-back from the building.

Specifications

Custom Chassis Choices	Arrow XT™, Velocity®
Vertical Reach	100'
Horizontal Reach	93'
Operating Range	-20° to 77°
Basket	14.3 sq ft
Payload Capacity	1,000 lb dry/500 lb wet
Wind & Ice Ratings	Up to 35 mph winds & 1/4" of ice
Flow Capacity	2,000 gpm
Stabilizers	1 set of H-style & 4 downriggers
Stabilizer Spread	18'
Rear Axle	Tandem
Tank	Up to 300 gallons
Pump Range	Waterous, Hale, Darley Midship
Hosebed Capacity	800' of 5" hose
Ladder Complement	Minimum of 170'
Structural Ladder Warranty	20 yr

www.piercemfg.com



Pierce Manufacturing Inc., An Oshkosh Corporation Company
P.O. Box 2017, Appleton WI 54912-2017 USA

Specifications, descriptions, and illustrative material in this literature are as accurate as known at the time of publication, but are subject to change without notice. Illustrations may include optional equipment and accessories and may not include all standard equipment. All measurements are nominal values.

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Option List

10/27/2021

Customer:	McDonough 2022 custom pumper	Bid Number:	926
Representative	Amlong, Jeff	Job Number:	
Organization:	Ten-8 Fire & Safety, LLC	Number of Units:	1
Requirements Manager:		Bid Date:	11/05/2021
Description:	McDonough 2022 custom pumper	Stock Number:	
Body:	Pumper, Medium, Aluminum, 2nd Gen, Saber/Commercial	Price Level:	40 (Current: 40)
Chassis:	Saber FR Chassis	Lane:	

Line	Option	Type	Option Description	Qty
1	0074080		Build-to-Order, Pierce Florida Product - 2nd Gen Pumper	1
2	0766611		Boiler Plates, Pumper	1
			Fire Department/Customer - Port Wentworth	
			Operating/In conjunction W-Service Center - Operating	
			Miles - 200 Miles	
			Number of Fire Dept/Municipalities - 5	
			Bidder/Sales Organization - Ten-8 Fire & Safety	
			Delivery - Delivery representative	
			Dealership/Sales Organization, Service - Ten-8 Fire & Safety	
3	0661794		Single Source Compliance	1
4	0584455		Manufacture Location, Bradenton, Florida	1
5	0584453		RFP Location: Bradenton, Florida	1
6	0588609		Vehicle Destination, US	1
7	0610784		Comply NFPA 1901 Changes Effective Jan 1, 2016, With Exceptions	1
8	0533347		Pumper/Pumper with Aerial Device Fire Apparatus	1
9	0588611		Vehicle Certification, Pumper	1
10	0568412		Agency, Apparatus Certification, Pumper/Tanker, Third Party, PMFD	1
11	0537375		Unit of Measure, US Gallons	1
12	0529326		Bid Bond, 10%, Pierce Built Chassis	1
13	0540326		Performance Bond, Not Requested	1
14	0000007		Approval Drawing	1
15	0002928		Electrical Diagrams	1
16	0632451		Saber FR Chassis	1
17	0629024		Chassis Discount, Saber FR	1
18	0000110		Wheelbase	1
			Wheelbase - 174.5	
19	0000070		GVW Rating	1
			GVW rating - 45,000	
20	0649713		Frame Rails, 10.25" x 3.50" x .375", Saber FR/Enf	1
21	0020018		Frame Liner Not Req'd	1
22	0635815		Axle, Front, Dana, D-2000F, 18,000 lb Saber FR/Enforcer	1
23	0637879		Suspension, Front, Standens, Taper Leaf, 18,000 lb, Saber FR/Enforcer	1
24	0000321		Shock Absorbers on Front Axle, Monroe Magnum 65, Saber/Enforcer	1
25	0000322		Oil Seals, Front Axle	1
26	0582936		Tires, Front, Goodyear, G289 WHA, 315/80R22.50, 20 ply	1
27	0019575		Wheels, Front, Alcoa, 22.50" x 9.00", Aluminum, Hub Pilot	1
28	0530459		Axle, Rear, Meritor RS25-160, 27,000 lb, Saber/Enforcer	1
29	0544253		Top Speed of Vehicle, 68 MPH	1
30	0565380		Suspen, Rear, Single Slipper Spring, 27,000 lb, Saber/Enforcer	1
31	0000485		Oil Seals, Rear Axle	1
32	0587216		Tires, Rear, Goodyear, G622 RSD, 12R22.50, 16 ply, Single	1
33	0654792		Wheels, Rear, Alcoa-Accuride, 22.50" x 8.25", Aluminum-Steel, Hub Pilot, Single	1
34	0568081		Tire Balancing, Counteract Beads	1
35	0620570		Tire Pressure Monitoring, RealWheels, AirSecure, Valve Cap, Single Axle	1
			Qty, Tire Pressure Ind - 6	
36	0003245		Axle Hub Covers w/center hole, S/S, Front Axle	1
37	0057936		Covers, Lug Nut, Chrome	1
38	0002045		Mud Flap, Front and Rear, Pierce Logo	1
39	0646362		Chocks, Wheel, Worden HWGY- SB, Super Gripper	1
			Qty, Pair - 01	

Line	Option	Type	Option Description	Qty
40	0646364		Mounting Brackets, Chocks, Worden Safety, Model U815T Location, Wheel chock - TBD Qty, Pair - 01	1
41	0010670		ABS Wabco Brake System, Single rear axle	1
42	0690932		Brakes, Bendix, ADB22X, 17" Disc, Front	1
43	0000730		Brakes, Meritor, Cam, Rear, 16.50 x 7.00"	1
44	0020784		Air Compressor, Brake, Cummins/Wabco 18.7 CFM	1
45	0644232		Brake Reservoirs, 4,272 Cubic Inch Minimum Capacity, Saber FR/Enforcer	1
46	0644228		Air Dryer, Wabco System Saver 1200 IWT, Heated, Saber FR/Enforcer	1
47	0000790		Brake Lines, Nylon	1
48	0000854		Air Inlet, w/Disconnect Coupling Location, Air Coupling(s) - a) DS Step Well, Forward Qty, Air Coupling (s) - 1	1
49	0736460		Engine, Cummins L9, 380 hp, 1150 lb-ft, W/OBD, EPA 2021, Saber FR/Enforcer	1
50	0001244		High Idle w/Electronic Engine, Custom	1
51	0687994		Engine Brake, Jacobs Compression Brake, Cummins Engine Switch, Engine Brake - e) ISC/ISM/ISL9/ISX Hi Med Lo	1
52	0644227		Clutch, Fan, Air Actuated, Saber FR/Enforcer	1
53	0644573		Air Intake, Water & Ember Screen, Saber FR/Enforcer	1
54	0794761		Exhaust System, 4", 2017 L9 Engine, Horizontal, Right Side	1
55	0788765		Radiator, Saber FR/Enforcer	1
56	0001090		Cooling Hoses, Rubber	1
57	0001125		Fuel Tank, 65 Gallon, Left Side Fill	1
58	0001129		Lines, Fuel	1
59	0692516		DEF Tank, 4.5 Gallon, DS Fill, Rear of Axle, Common Door, Spring Flip Door Door, Material & Finish, DEF Tank - Polished Stainless	1
60	0723716		Fuel Priming Pump, Electronic, Automatic, Cummins	1
61	0552712		Not Required, Shutoff Valve, Fuel Line	1
62	0699437		Cooler, Chassis Fuel, Not Req'd.	1
63	0642572		Trans, Allison 5th Gen, 3000 EVS P, w/Prognostics, Imp/Vel/DCF/SFR/Enf	1
64	0625329		Transmission, Shifter, 5-Spd, Push Button, 3000 EVS	1
65	0684459		Transmission Oil Cooler, Modine, External	1
66	0001370		Driveline, Spicer 1710	1
67	0635294		Steering, Single Gear, TRW TAS-85, w/tilt, Pump w/ Cooler, Saber FR/Enforcer	1
68	0509229		Steering Wheel, 2 Spoke	1
69	0681841		Logo/Emblem, Not Required	1
70	0012245		Bumper, 19" Extended, Saber FR/Enforcer	1
71	0640197		Tray, Hose, Center, 19" Bumper, Outside Air Horns Grating, Bumper extension - Grating, Rubber Capacity, Bumper Tray - 20) 125' of 1.75"	1
72	0633479		Hose Restraint, Bumper Tray, Velcro Straps, Pair Qty, Pair - 01	1
73	0614646		No Lift & Tow Package, Imp/Vel, AXT, SFR/Enf	1
74	0002270		Tow Hooks, Chrome	1
75	0632413		Cab, Saber FR, 6010	1
76	0647919		Engine Tunnel, ISL, Saber FR/Enforcer	1
77	0633594		Rear Wall, Interior, Adjustable Seating	1
78	0632103		Rear Wall, Exterior, Cab, Saber FR/Enforcer Material, Exterior Rear Wall - Aluminum Treadplate	1
79	0644201		Cab Lift, Elec/Hyd, Saber FR/Enforcer	1
80	0636939		Grille, Polished Stainless Steel, Front of Cab, Saber	1
81	0002224		Scuffplates, S/S At Cab Door Jambs, 4-Door Cab Material Trim/Scuffplate - c) S/S, Polished	1
82	0647932		Not Required, Trim, S/S Band, Across Cab Face, AXT/Dash CF/Saber/Enforcer	1
83	0087357		Molding, Chrome on Side of Cab	1
84	0521669		Mirrors, Retractable, West Coast Style, Htd/Rmt, w/Htd/Rmt Convex	1
85	0648170		Door, Half-Height, Saber FR/Enforcer 4-Door Cab, Raised Roof Key Model, Cab Doors - 751 Cab, Exterior Door Handle, Finish - 4-Door, Chrome/Black	1
86	0655543		Door Panel, Brushed Stainless Steel, Saber/Enforcer 4-Door Cab	1
87	0528958		Not Required, Controls, Electric Window, AXT, Quantum, Saber, Enforcer, Dash CF	1

Line	Option	Type	Option Description	Qty
88	0638310		Steps, 4-Door Cab, Saber FR/Enforcer	1
			Step Well Material - Aluminum Treadplate	
89	0770194		Handrail, Exterior, Knurled, Alum, 4-Door Cab	1
90	0634786		Lights, Cab & Crw Cab Acs Stps, P25, LED w/Bezel, 6lts	1
91	0002141		Fenders, s/s on cab - Saber/Enforcer	1
92	0637984		Window, Side of C/C, Fixed, Saber FR/Enforcer	1
93	0012090		Not Required, Windows, Front/Side of raised roof	1
94	0779033		Not Required, Windows Rear of Crew Cab, Saber FR/Enforcer	1
95	0722796		Dash, Poly, Saber FR/Enforcer	1
96	0750824		Cab Interior, Vinyl Headliner, Saber FR/Enforcer, CARE	1
			Color, Cab Interior Vinyl/Fabric - Endure Vinyl - Silver/Gray	
			Engine Tunnel Cover - Painted	
			Cab Interior Rear Wall Material - Painted Aluminum	
97	0753903		Cab Interior, Paint Color, Saber FR/Enforcer	1
			Color, Cab Interior Paint - i) fire smoke gray	
98	0052100		Floor, Rubber Padded, Cab & Crew Cab, Saber/Enforcer	1
99	0741237		HVAC, Saber FR, CARE	1
			HVAC System, Filter Access - Removable Panel	
			Auxiliary Cab Heater - None	
			HVAC System, Control Loc. - Panel Position #12	
100	0639675		Sun Visor, Smoked Lexan, AXT, Imp/Vel, Saber FR/Enforcer	1
			Sun Visor Retention - No Retention	
101	0634328		Grab Handles, Driver and Officer Door Posts, Saber FR/Enforcer	1
102	0002526		Light, Engine Compt, All Custom Chassis	1
103	0631830		Fluid Check Access, Saber FR/Enforcer, Arrow XT	1
104	0583039		Not Required, Side Roll and Frontal Impact Protection	1
105	0622619		Seating Capacity, 4 Seats	1
106	0636957		Seat, Driver, Pierce PSV, Air Ride, High Back, Saber FR/Enforcer	1
107	0636946		Seat, Officer, Pierce PSV, Fixed, SCBA, Saber FR/Enforcer	1
108	0620420		Radio Compartment, Below Non-Air Ride Seat, Saber FR/Enforcer	1
109	0102788		Not Required, Seat, Rear Facing C/C, DS Outboard	1
110	0102783		Not Required, Seat, Rr Facing C/C, Center	1
111	0102790		Not Required, Seat, Rear Facing C/C, PS Outboard	1
112	0108189		Not Required, Seat, Forward Facing C/C, DS Outboard	1
113	0632658		Seat, Forward Facing C/C, Center, (2) Pierce PSV, SCBA, Saber FR/Enforcer	1
114	0108190		Not Required, Seat, Forward Facing C/C, PS Outboard	1
115	0566653		Upholstery, Seats In Cab, Turnout Tuff	1
			Color, Cab Interior Vinyl/Fabric - c) Black	
116	0065740		Bracket, Air Bottle, Zico, ULLH, Load & Lock, In Cab Seats	3
			Qty, - 03	
117	0603866		Seat Belt, Dual Retractor, ReadyReach, Saber FR/Enforcer	1
			Seat Belt Color - Red	
118	0602464		Helmet Storage, Provided by Fire Department, NFPA 2016	1
119	0647647		Lights, Dome, FRP Dual LED 4 Lts	1
			Color, Dome Lt - Red & White	
			Color, Dome Lt Bzl - Black	
			Control, Dome Lt White - Door Switches and Lens Switch	
			Control, Dome Lt Color - Lens Switch	
120	0602637		Portable Hand Light, Provided by Fire Dept, Pumper NFPA 2016 Classification	1
121	0644187		Cab Instruments, Black Gauges, Black Bezels, Saber FR/Enforcer	1
			Emergency Switching - Individual Switches	
122	0002544		Air Restriction Indicator - Pierce Chassis	1
123	0543751		Light, Do Not Move Apparatus	1
			Alarm, Do Not Move Truck - Pulsing Alarm	
124	0637359		Not Required, Door Open Indicator w/Do Not Move Truck Light, Enf/Saber FR	1
125	0754774		Switching, Cab Instrument Lower Console & Overhead, Rocker, Saber	1
126	0644179		Wiper Control, 2-Speed with Intermittent, Saber FR/Enforcer	1
127	0548004		Wiring, Spare, 15 A 12V DC 1st	2
			Qty, - 02	
			12vdc power from - Battery direct	
			Wire termination - Butt Splice	
			Location, Spare Wiring - Officer Dash	

Line	Option	Type	Option Description	Qty
128	0763646		Vehicle Information Center, LCD On Gauge Cluster Only, Sab/Enf	1
			System Of Measurement - US Customary	
129	0734854		Collision Mitigation, Not Requested	1
130	0610240		Vehicle Data Recorder w/Seat Belt Monitor	1
131	0696439		Antenna Mount, Custom Chassis, Cable Routed to Instrument Panel Area	1
			Qty, - 01	
			Location, Antenna Mount - Right Side	
132	0624249		Electrical Power/Signal Protection & Control, Saber FR	1
133	0624260		Electrical System, Saber FR	1
134	0079166		Batteries, (4) Exide Grp 31, 950 CCA ea, Threaded Stud	1
135	0008621		Battery System, Single Start, All Custom Chassis	1
136	0002698		Battery Compartment, Saber/Enforcer	1
137	0531315		Charger, Sngl Sys, IOTA, DSL-75, 75 Amp, Kussmaul 091-94-12 Ind, Qtm/Enf/SFR	1
138	0012782		Location, Charger, Front Left Side Body Compartment	1
			Location, Battery Chrgr/Cmpr - High On Left Wall	
139	0530949		Location, Bat Chrg Ind, Driver's Seat Riser	1
140	0016857		Shoreline, 20A 120V, Kussmaul Auto Eject, 091-55-20-120, Super	1
			Qty, - 01	
			Color, Kussmaul Cover - b) red	
			Shoreline Connection - Battery Charger	
141	0020168		Shoreline Cab Loc, Cab, Saber FR	1
			Location, Shoreline(s) - DS Cab Side	
142	0647729		Alternator, 320 amp, Delco Remy 40SI	1
143	0644176		Load Manager, Integrated In Electrical System, Saber FR/Enforcer	1
144	0648596		Headlights, Rectangular Halogen, AXT/Dash CF/Saber/Enforcer	1
145	0775055		Light, Directional, Wln C6T* LED Arrow, Common Bzl, Above Headlts, Sab/Enf	1
			Color, Lens, LED's - Clear	
146	0620054		Light, Directional/Marker, Intermediate, Weldon 9186-8580-29 LED 2lts	1
147	0735474		Lights, Clearance/Marker/ID, Front, P25 LED 7 Lts, Saber FR/Enforcer	1
			Light Guard - No Guards	
148	0647899		Lights, Directional/Marker, Cab Front Side, Weldon 9186-8580-29 LED, Sab/Enf	1
149	0627282		Lights, Clearance/Marker/ID, Rear, FRP LED Bar & P25 LED 4Lts	1
150	0564683		Lights, Tail, Wln M6BTT* Red LED Stop/Tail & M6T* Amber LED Dir Arw For Hsg	1
			Color, Lens - Colored	
151	0561471		Lights, Backup, Wln M6BUW, LED, For Tail Lt Housing	1
152	0664481		Bracket, License Plate & Light, P25 LED	1
153	0556842		Bezels, Wln, (2) M6 Chrome Pierce, For mtg (4) Wln M6 lights	1
154	0589905		Alarm, Back-up Warning, PRECO 1040	1
155	0769420		Lights, Perimeter Cab, Amdor AY-LB-12HW020 LED 4Dr	1
156	0769572		Lights, Perimeter Pump House, Amdor AY-LB-12HW020 LED 2lts	1
157	0770056		Lights, Perimeter Body, Amdor AY-LB-12HW020 LED 2lts, Rear Step	1
			Control, Perimeter Lts - Parking Brake Applied	
158	0556360		Lights, Step, P25 LED 4lts, Pump Pnl Sw	1
159	0680712		Light, Akron, 12V SceneStar ELSS-XLDC-PS-SM*, LED, Push Up, Side Mount 2nd	1
			Location, Lights - ps BACK OF CAB	
			Qty, - 01	
			To Do Not Move Truck Lt - Not Connected to Lt	
			Switch, Lt Control 1 DC,1 - e) Pump Operators Panel	
			Switch, Lt Control 2 DC,2 - e) No Control	
			Switch, Lt Control 3 DC,3 - d) No Control	
			Switch, Lt Control 4 DC,4 - d) No Control	
160	0680713		Light, Akron, 12V SceneStar ELSS-XLDC-PS-SM*, LED, Push Up, Side Mount 1st	1
			Location, Lights - DS back of cab	
			Qty, - 01	
			To Do Not Move Truck Lt - Not Connected to Lt	
			Switch, Lt Control 1 DC,1 - e) Pump Operators Panel	
			Switch, Lt Control 2 DC,2 - e) No Control	
			Switch, Lt Control 3 DC,3 - d) No Control	
			Switch, Lt Control 4 DC,4 - d) No Control	
161	0776357		Light, Visor, Wln, 12V P*H2* Pioneer, Cnt Feature, 1st	1
			Qty, - 01	
			Location, driver's/passenger's/center - Centered	
			Color, Wln Lt Housing - White Paint	

Line	Option	Type	Option Description	Qty
161			Control, Scene Lts - Cab Sw Panel DS and Cab Sw Panel PS	
			Scene Light Optics - Flood/Spot	
162	0657535		Lights, Work, (2) Win PELCC LED, w/Alternative Hose Bed Lights	1
			Switch, Scene Lt Cntrl - i)switch at rear and ds sw pnl	
163	0645877		Lights, Hose Bed, Sides, Dual LED Light Strips	1
			Control, Hose Bed Lts - Cup Switch At Rear	
164	0645877		Lights, Not Required, Rear Work, Alt. 12 Volt Lights At Rear Body	1
165	0709438		Light, Walking Surf, FRP Flood, LED	1
166	0693709		Pumper, Medium, Aluminum, 2nd Gen, Saber/Commercial	1
167	0632361		No Additional Florida Discount - w/Saber FR Chassis	1
168	0554271		Body Skirt Height, 20"	1
169	0028298		Tank, Water, 1000 Gallon, Poly, Med	1
170	0003405		Overflow, 4.00" Water Tank, Poly	1
171	0028107		Not Required, Foam Cell Modification	1
172	0633066		Sleeve, Through Tank	1
			Qty, Sleeve - 1	
			Water Tank Sleeve - Plumbing/Hydraulic Diameter - 3" Plumbing	
173	0553729		Not Required, Restraint, Water Tank, Heavy Duty	1
174	0003429		Not Required, Direct Tank Fill	1
175	0003424		Not Required, Dump Valve	1
176	0048710		Not Required, Jet Assist	1
177	0030007		Not Required, Dump Valve Chute	1
178	0514778		Not Required, Switch, Tank Dump Master	1
179	0689065		Hose Bed, Aluminum, Saber/Commercial	1
			Finish, Inside of Hose Bed - Unpainted - DA Finish	
			Finish, Inside of Cargo Area - Painted	
180	0627877		Hose Bed Capacity, 1000' of 5.00", 1000' of 3.00"	1
181	0083488		Divider, Hose Bed, .25" Unpainted	2
			Qty, Hosebed Dividers - 2	
182	0589278		Hose Restraint, Hose Bed, Velcro Strap on Top, 2" Heavy Nylon Web at Rear	1
			Type of fastener - seat belt buckle	
			Nylon Web Color - Black	
			Type of fastener, Rear - seat belt buckle - bottom of hosebed	
183	0010133		Cross-Divider, Hose Bed	1
184	0013512		Running Boards, 12.75" Deep	1
185	0689621		Tailboard, 16" Deep	1
186	0690037		Wall, Rear, Smooth Aluminum/Body Material	1
			Material, Rear Wall Inboard Facing Surfaces - Aluminum Diamondplate	
187	0003531		Tow Bar, Under Tailboard	1
188	0003561		Construction, Compt, Alum, Pumper	1
189	0023650		LS 152" Rollup, Full Height Front & Rear, FDLER	1
190	0073657		RS 152" Rollup, Low, FDLER	1
191	0692733		Doors, Rollup, Gortite, Side Compartments	6
			Qty, Door Accessory - 06	
			Color, Roll-up Door, Gortite - Painted to Match Lower Body	
			Latch, Roll-up Door, Gortite - Non-Locking Liftbar	
192	0083702		Compt, Rear, Rollup, 51.25" FF, 25.88" D	1
193	0692746		Door, Gortite, Rollup, Rear Compartment	1
			Color, Roll-up Door, Gortite - Satin finish	
			Latch, Roll-up Door, Gortite - Non-Locking Liftbar	
194	0554995		No Body Modification Required	1
195	0782219		Lights, Compt, Pierce LED, Single Light Strip, NFPA 2016 Minimum	7
			Qty, - 07	
			Location, Compartment Lights - All Body Compts	
196	0687146		Shelf Tracks, Painted	3
			Qty, Shelf Track - 03	
			Location, Shelf Track - LS1, LS3 and B1	
197	0600350		Shelves, Adj, 500 lb Capacity, Full Width/Depth, Predefined Locations	4
			Qty, Shelf - 04	
			Material Finish, Shelf - Painted - Spatter Gray	
			Location, Shelves/Trays, Predefined - .Location To Be Determined	
198	0647091		Tray, Floor Mounted, Slide-Out, 500lb, 2.00" Sides	2
			Qty, - 02	

Line	Option	Type	Option Description	Qty
198			Location, Tray Slide-Out, Floor Mounted - RS1 and B1	
199	0540317		Material Finish, Tray - Painted - Spatter Gray	
			Toolboard, Swing-out, Alum, .188", Peg Board	1
			Qty - 1	
			Location, Pivot - Front	
			Mounting, Toolboard - Stationary	
			Hole Diameter, Pegboard/Toolboard - .203" diameter	
			Finish, Pegboard/Toolboard - Painted - Spatter Gray	
			Location, Toolboard - LS2	
200	0024016		Rub Rail, Aluminum Extruded, Side & Rear of Body	1
201	0784811		Fender Crowns, Rear, Stainless, w/Removable Liner	1
			Material Finish, Fender Liner - Painted Lower Body	
202	0519849		Not Required, Hose, Hard Suction	1
203	0626229		Handrails, Side Pump Panels, Per Print	1
204	0004126		Handrails, Beavertail, Standard	1
205	0004146		Handrail, Rear, Below Hose Bed, Full Width	1
206	0636301		Compt, Extinguisher (2) in Fender Panel, Triangular Door	1
			Location, Bracket/comp. - RS, rear of the axle	
			Qty, - 1	
			Door Finish, Fender Compt - Polished	
			Latch, Air Bottle Compt - Flush Lift & Turn	
			Insert, Air Bottle Compt - Rubber Matting	
207	0657522		Compt, Air Bottle, Triple, Fender Panel	2
			Qty, Air Bottle Comp - 2	
			Door Finish, Fender Compt - Polished	
			Location, Fender Compt - Triple - LS Fwd and Triple - RS Fwd	
			Latch, Air Bottle Compt - Flush Lift & Turn	
			Insert, Air Bottle Compt - Rubber Matting	
208	0004225		Ladder, 24' Duo-Safety 900A 2-Section	1
209	0004230		Ladder, 14' Duo-Safety 775A Roof	1
210	0004300		Brackets, Adjustable, RS	1
211	0014245		Ladder, 10' Duo-Safety Folding 585A, w/Mounting	1
			Location, Folding Ladder - Ladder Compartment	
212	0602877		Pike Pole, Pumper, Provided by Fire Department, NFPA 2016	1
			Pike Pole Make/Model - Duo-Safety 10' Pike Pole	
213	0760185		Tube, Pike Pole 8' or Longer, Behind Ladder Brackets	1
			Qty, Pike Poles - 1	
			Location, Left Side, Right Side - Right Side	
			Material/Finish, Tube, Pike Pole - Painted Aluminum	
			Width, Notch, Pike Pole Tube - .75", Standard Notch	
214	0602875		Pike Pole, 6', Pumper, Provided by Fire Department, NFPA 2016	1
			Pike Pole Make/Model - Duo-Safety 6' Pike Pole	
215	0759238		Trough, Pike Pole 6', Behind Ladder Brackets	1
			Qty, Pike Poles - 1	
			Location, Left Side, Right Side - Right Side	
			Material/Finish, Trough, Pike Poles - Aluminum - Painted	
216	0024388		No Steps Required, Front Of Body	1
217	0592994		Steps, Folding, Rear of Body, w/LED, Trident	1
			Coating, Step - black	
218	0007545		Pump House, Side Control, 45", Control Zone	1
219	0035501		Pump House Structure, Std Height	1
220	0004415		Pump, Waterous, CS, 1250 GPM, Single Stage	1
221	0004481		Seal, Grafoil, Waterous	1
222	0559769		Trans, Pump, Waterous C20 Series	1
223	0635600		Pumping Mode, Stationary Only	1
224	0605126		Pump Shift, Air Mnl Override, Split Shaft, Interlocked, Waterous	1
225	0003148		Transmission Lock-up, EVS	1
226	0004547		Auxiliary Cooling System	1
227	0014486		Not Required, Transfer Valve, Stage Pump	1
228	0737989		Valve, Relief Intake, Waterous	1
			Qty - 1	
			Pressure Setting - 125 psig	
229	0794959		Controller, Pressure, Pierce, Pump Boss, PBA300	1

Line	Option	Type	Option Description	Qty
230	0072153		Primer, Trident, Air Prime, Air Operated	1
231	0780364		Manuals, Pump, (2) Total, Electronic Copies	1
232	0602512		Plumbing, Stainless Steel and Hose, Single Stage Pump, Control Zone	1
233	0089437		Plumbing Without Foam System	1
234	0004645		Inlets, 6.00" - 1250 GPM or Larger Pump	1
235	0014650		Pump Suction Tube(s), Short, All	1
236	0004646		Cap, Main Pump Inlet, Long Handle, NST, VLH	1
237	0084610		Valves, Akron 8000 series- All	1
238	0016158		Valve, Inlet(s) Recessed, Side Cntrl, "Control Zone"	1
			Qty, Inlets - 1	1
239	0004700		Control, Inlet, at Valve	1
240	0004660		Inlet (1), Left Side, 2.50"	1
241	0029147		Not Required, Inlet, Right Side	1
242	0092569		No Rear Inlet (Large Dia) Requested	1
243	0064116		No Rear Inlet Actuation Required	1
244	0092696		Not Required, Cap, Rear Inlet	1
245	0009648		No Rear Intake Relief Valve Required on Rear Inlet	1
246	0092568		No Rear Auxiliary Inlet Requested	1
247	0563738		Valve, .75" Bleeder, Aux. Side Inlet, Swing Handle	1
248	0029043		Tank to Pump, (1) 3.00" Valve, 3.00" Plumbing	1
249	0004905		Outlet, Tank Fill, 1.50"	1
250	0062133		Control, Outlets, Manual, Pierce HW if applicable	1
251	0004940		Outlet, Left Side, 2.50"	2
			Qty, Discharges - 02	1
252	0005091		Elbow, Left Side Outlets, 45 Degree, 2.50" FNST x 2.50" MNST, VLH	1
253	0092570		Not Required, Outlets, Left Side Additional	1
254	0035094		Not Required, Elbow, Left Side Outlets, Additional	1
255	0004945		Outlet, Right Side, 2.50"	1
			Qty, Discharges - 01	1
256	0025091		Elbow, Right Side Outlets, 45 Degree, 2.50" FNST x 2.50" MNST, VLH	1
257	0092571		Not Required, Outlets, Right Side Additional	1
258	0089584		Not Required, Elbow, Right Side Outlets, Additional	1
259	0005047		Outlet, 4" w/4" Right, Handwheel	1
			Valve, Brand - Akron	1
260	0005097		Elbow, Large Dia Outlet, 30 Deg, 4.00" FNST x 5.00" Storz	1
			Qty, - 01	1
261	0649939		Outlet, Front, 1.50" w/2" Plumbing	1
			Fitting, Outlet - 1.50" NST with 90 degree swivel	1
			Drain, Front Outlet - Automatic	1
			Location, Front, Single - in center bumper tray	1
262	0004995		Outlet, Rear, 2.50"	1
			Qty, Discharges - 01	1
			Location, Outlet - b) left side	1
263	0045091		Elbow, Rear Outlets, 45 Degree, 2.50" FNST x 2.50" MNST, VLH	1
264	0092574		Not Required, Outlet, Rear, Additional	1
265	0085695		Not Required, Elbow, Rear Outlets, Large, Additional	1
266	0092573		Not Required, Outlet, Hose Bed/Running Board Tray	1
267	0752097		Caps/Plugs for 1.00" to 3.00" Discharges/Inlets, Chain	1
268	0563739		Valve, 0.75" Bleeder, Discharges, Swing Handle	1
269	0005065		Outlet, 3.00" Deluge Riser	1
270	0029302		No Monitor Requested	1
271	0029304		No Nozzle Req'd	1
272	0005070		Deluge Mount, NPT	1
273	0723726		Speedlay Module Not Required	1
274	0722432		Hose Restraint Not Required, No Speedlay Module	1
275	0723395		Speedlays, Not Required	1
276	0723394		Speedlays, Not Required	1
277	0029167		Crosslays Sngl Sheet Unpainted, (2+) 1.50", Std. Cap	2
			Qty, Crosslays - 2	1
278	0029196		Not Required, 2.50" Crosslay	1

Line	Option	Type	Option Description	Qty
279	0591145		Hose Restraint, Crosslay/Deadlay, Top and Ends, Elastic Netting	2
			Qty, - 02	
280	0029260		Not Required, Speedlays	1
281	0750536		Hose Restr, Spdly, Not Required, No Spdly	1
282	0044333		Not Required, Foam System	1
283	0012126		Not Required, CAF Compressor	1
284	0552517		Not Required, Refill, Foam Tank	1
285	0042573		Not Required, Foam System Demonstration	1
286	0045465		Not Required, Foam Tanks	1
287	0091110		Not Required, Foam Tank Drain	1
288	0091079		Not Required, Foam Tank #2	1
289	0091112		Not Required, Foam Tank #2 Drain	1
290	0738072		Approval Dwg, Pump Panel(s), Not Required	1
291	0032479		Pump Panel Configuration, Control Zone	1
292	0629252		Material, Pump Panels, Side Control Black Vinyl	1
			Material Finish, Pump Panel, Side Control - Black Vinyl	
			Material, Pump Panel, Side Control - Aluminum	
293	0005578		Panel, Pump Access - Right Side Only, Side Control	1
294	0005945		Light, Pump Compt	1
295	0586382		Gauges, Engine, Included With Pressure Controller	1
296	0005601		Throttle, Engine, Incl'd w/Press Controller	1
297	0739224		Indicator Light @ Pump Panel, Throttle Ready, Incl w/Pressure Gov/Throttle,Green	1
298	0549333		Indicators, Engine, Included with Pressure Controller	1
299	0745568		Indicator Light, Pump Panel, Ok To Pump, Green	1
300	0511078		Gauges, 4.00" Master, Class 1, 30"-0-600psi	1
301	0511100		Gauge, 2.00" Pressure, Class 1, 30"-0-400psi	1
302	0062586		Gauge, Water Level, Class 1, Pierce Std	1
303	0006774		Not Required, Foam Level Gauge	1
304	0593161		Light Shield, S/S LED	1
305	0606697		Air Horns, (2) Grover, In Bumper	1
306	0606835		Location, Air Horns, Bumper, Each Side, Outside Frame, Outboard (Pos #1 & #7)	1
307	0016065		Control, Air Horn, Horn Ring, PS Chrome Push Button	1
308	0533071		Siren, Wln 295SLSC1, 100 or 200 Watt, w/Plug-in/Detachable Microphone Cord	1
309	0790527		Location, Electronic Siren, Center Dash Switch Panel, Saber FR	1
			Location, Electronic Siren - switch panel # 7	
310	0076156		Control, Elec Siren, Head Only	1
311	0601306		Speaker, (1) Wln, SA315P, w/Pierce Polished Stainless Steel Grille, 100 watt	1
			Connection, Speaker - siren head	
312	0601565		Location, Speaker, Frt Bumper, Recessed, Center (Pos 4)	1
313	0895310		Siren, Federal Q2B	1
			Finish, Q2B Siren - Chrome	
314	0006097		Location of Siren, Recessed in Bumper	1
			Location, Siren, Mech - a) Left	
315	0748305		Control, Mech Siren, Multi Select	1
316	0748282		Control Mech Siren, Ft Sw LS	1
317	0748281		Control Mech Siren, Ft Sw RS	1
318	0740834		Sw, Siren Brake, Momentary Red, LS Overhead Sw Pnl	1
319	0746353		Not Required, Warning Lights Intensity	1
320	0606721		Lightbar, Wln, Freedom IV-V, 60", R_RR__RR__RR_R	1
			Filter, Whl Freedom Ltbrs - No Filters	
321	0016380		No Additional Lights Req'd, Side Zone Upper	1
322	0540384		Lights, Front Zone, Wln M6*C LED, Clear Lens, in Common Bzl	1
			Color, Lt DS Front - Red	
			Color, Lt PS Front - Red	
323	0643834		Lights, Side Zone Lower, Wln M4*C Frnt & M6* C Rear LED, Clear Lens 2pr	1
			Location, Lights Front Side - b)each side bumper	
			Color, Lt Side Front - Red	
			Color, Lt Side Rear - Red	
			Location, Lights Rear Side - Over Rear Wheels	
324	0564655		Lights, Rear Zone Lower, Wln M6*C LED, Clear Lens, For Tail Lt Housing	1
			Color, Lt DS Rear - r) DS Rear Lt Red	
			Color, Lt PS Rear - r) PS Rear Lt Red	

Line	Option	Type	Option Description	Qty
325	0088745		Light, Rear Zone Up, WIn L31HRFN LED Beacon, Red LED	1
			Color, Dome, Rear Warning - j) both domes clear	
326	0006551		Not Required, Lights, Rear Upper Zone Blocking	1
327	0016610		Mtg, Rear Warn Lts, Std Mount, S/S Brkts	1
328	0519934		Not Required, Brand, Hydraulic Tool System	1
329	0649753		Not Required, PTO Driven Hydraulic Tool System	1
330	0007150		Bag of Nuts and Bolts	1
			Qty, Bag Nuts and Bolts - 1	
331	0602516		NFPA Required Loose Equipment, Pumper, NFPA 2016, Provided by Fire Department	1
332	0519913		Not Required, Soft Suction Hose	1
333	0027023		No Strainer Required	1
334	0602538		Extinguisher, Dry Chemical, Pumper NFPA 2016 Class, Provided by Fire Department	1
335	0602360		Extinguisher, 2.5 Gal. Pressurized Water, Pumper NFPA 2016, Provided by Fire Dept	1
336	0602679		Axe, Flathead, Pumper NFPA 2016 Classification, Provided by Fire Department	1
337	0602667		Axe, Pickhead, Pumper NFPA 2016 Classification, Provided by Fire Department	1
338	0607712		Paint Process / Environmental Requirements, PMFD	1
339	0568515		Paint, Two Tone Cab, #90 Red & #10 White, Saber PMFD	1
			Paint Color - Commercial, PMFD - #90 Candy Apple Red	
			Paint Color-Upper-PMFD - #10 white	
340	0646897		Paint Chassis Frame Assy, E-Coat, Standard	1
			Paint Color, Frame Assembly, Predefined - Standard Black	
341	0693797		No Paint Required, Aluminum Front Wheels	1
342	0687653		Paint, Rear Wheels, Single Axle, Alum-Stl	1
			Paint, Wheels - Black #101	
343	0733739		Paint, Axle Hubs	1
			Paint, Axle Hub - Black #101	
344	0007230		Compartment, Painted, Spatter Gray	1
345	0544129		Reflective Band, 1"-6"-1"	1
			Color, Reflect Band - A - a) white	
			Color, Reflect Band - B - l) white	
			Color, Reflect Band - C - w) white	
346	0007356		Reflective across Cab Face	1
347	0536954		Stripe, Chevron, Rear, Diamond Grade, Pumper	1
			Color, Rear Chevron DG - fluorescent yellow green	
348	0065687		Stripe, Reflective, Cab Doors Interior	1
			Color, Reflective - a) white	
349	0027372		Lettering Specifications, (GOLD STAR Process)	1
350	0686428		Lettering, Gold Leaf, 3.00", (41-60)	1
			Outline, Lettering - Outline and Shade	
351	0772003		Manual, Fire Apparatus Parts, USB Flash Drive, Custom	1
			Qty, - 01	
352	0772037		Manual, Chassis Service, USB Flash Drive, Custom	1
			Qty, - 01	
353	0773381		Manual, Chassis Operation, (1) USB Flash Drive, Custom	1
354	0030008		Warranty, Basic, 1 Year, Apparatus, WA0008	1
355	0696698		Warranty, Engine, Cummins, 5 Year, WA0181	1
356	0684952		Warranty, Steering Gear, TRW Ross TAS, 1 Year WA0202	1
357	0596017		Warranty, Frame, 50 Year, Custom Chassis, WA0013	1
358	0610471		Warranty, Axle, Eaton/Dana, 5 Year/100,000 Mile, Parts and Labor	1
359	0733306		Warranty, Single Axle, 5 Year, Meritor, General Service, WA0384	1
360	0652758		Warranty, ABS Brake System, 3 Year, Meritor Wabco, WA0232	1
361	0019914		Warranty, Structure, 10 Year, Custom Cab, WA0012	1
362	0595813		Warranty, Paint, 10 Year, Cab, Pro-Rate, WA0055	1
363	0647720		Warranty, Pierce LED Strip Lights, WA0203	1
364	0046369		Warranty, 5-year EVS Transmission, Standard Custom, WA0187	1
365	0685945		Warranty, Transmission Cooler, WA0216	1
366	0688798		Warranty, Water Tank, Lifetime, UPF, Poly Tank, WA0195	1
367	0596025		Warranty, Structure, 10 Year, Body, WA0009	1
368	0693127		Warranty, Gortite, Roll-up Door, 6 Year, WA0190	1
369	0734463		Warranty, Pump, Waterous, 7 Year Parts, WA0382	1

Line	Option	Type	Option Description	Qty
370	0648675		Warranty, 10 Year S/S Pumbing, WA0035	1
371	0641372		Warranty, Foam System, Not Available	1
372	0595820		Warranty, Paint, 10 Year, Body, Pro-Rate, WA0057	1
373	0595421		Warranty, Goldstar, 3 Year, Apparatus, WA0018	1
374	0683627		Certification, Vehicle Stability, CD0156	1
375	0736238		Certification, Engine Installation, Saber FR/Enf, Cummins L9, 2021	1
376	0686786		Certification, Power Steering, CD0098	1
377	0631980		Certification, Cab Integrity, Saber FR/Enforcer, CD0130	1
378	0631973		Certification, Cab Door Durability, Saber FR/Enforcer, CD0137	1
379	0631978		Certification, Windshield Wiper Durability, Saber FR/Enforcer, CD0132	1
380	0556828		Certification, Electric Window, Not Available	1
381	0631977		Certification, Seat Belt Anchors and Mounting, Saber FR/Enforcer, CD0134	1
382	0735949		Certification, Cab HVAC System Performance, SFR/Enf, CD0165/CD0167/CD0174/CD0175	1
383	0545073		Amp Draw Report, NFPA Current Edition	1
384	0002758		Amp Draw, NFPA/ULC Radio Allowance	1
385	0799248		Appleton/Florida BTO	1
386	0000017		FLORIDA DIVISION BODY	1
387	0000012		PIERCE CHASSIS	1
388	0004713		ENGINE, OTHER	1
389	0046395		EVS 3000 Series TRANSMISSION	1
390	0020011		WATEROUS PUMP	1
391	0020009		POLY TANK	1
392	0028047		NO FOAM SYSTEM	1
393	0020006		SIDE CONTROL	1
394	0020007		AKRON VALVES	1
395	0020015		ABS SYSTEM	1
396	0755450		PIERCE MFG BODY	1

AGENDA ITEM SUMMARY
January 18, 2022

Item # 11

ITEM SUMMARY:

Approval to move forward with the 2022 Water Quality Monitoring for the City's Watershed Protection Plan required by the Georgia Environmental Protection Division.
Authorization for Mayor to sign all related documents

SPECIAL CONSIDERATIONS OR CONCERNS:

The proposal submitted by VHB includes water quality monitoring at the (5) five study locations.

STAFF RECOMMENDATION:

Staff recommends moving forward with VHB. (Vanasse Hangen Brustlin. Inc.)

FINANCIAL IMPACT: (Funding Source)

Total cost: \$13,093
This item is funded by the Stormwater Department-Enterprise Fund.

ATTACHMENTS:

Client Authorization and Scope Services from VHB (Vanasse Hangen Brustlin. Inc.)

Submitted by:

Brandon Williams
Stormwater Supervisor



Phone: 404.214.6745
www.vhb.com

Engineers | Scientists | Planners | Designers

Vanasse Hangen Brustlin, Inc.
1355 Peachtree St, NE
Suite 100
Atlanta, Georgia 30309

Client Authorization

☒ **New Contract** **Date** 12.27.21
☐ **Amendment No.** **Project No.** TBD

Project Name **Long-Term Monitoring**
City of McDonough

To:	City of McDonough c/o Turnipseed Engineers, Inc. 2255 Cumberland Pkwy SE Bldg. 400A Atlanta, GA 30339	Cost Estimate	Amendment	Contract Total
		Lump Sum		\$13,093

Email: kbryan@gbtengineers.com

As Requested By: Chris Crow
☒ Fixed Fee ☐ Time & Expenses
☐ Cost + Fixed Fee ☐ Other

This Agreement is composed of Part I, Part II. Part I includes details of the services to be performed, timing of the services, and compensation. Part II (attached) contains the Terms and Conditions of Agreement, which are proposed general terms of the engagement between Turnipseed Engineers, Inc. hereinafter called the "Client," and Vanasse Hangen Brustlin, Inc. (VHB).

SCOPE OF SERVICES

Water Quality Monitoring

Water quality monitoring will be conducted at five (5) study locations in 2022:

Site 2 - Tussahaw Creek @ King Mill Road (WA021)
Site 4 - Kalves Creek @ Turner Church Rd. (WA021)
Site 7 - Walnut Creek @ Hwy 42 (WA021)
Site 12 - Camp Creek @ Jonesboro Road (WA021)
Site 15 - Walnut Creek @ Elliott Road (WA021)

A total of four sampling events (three dry and one wet) shall be conducted. At least two of the dry events will be collected during the warm summer season. A dry event is one with no rainfall for 72 hours prior to sampling. A wet event will be defined as > 0.2 inches of rainfall over previous 24 hours with dry conditions (no rainfall) for 72 hours prior. Rainfall information will be tracked (real-time) using the USGS website (<http://water.usgs.gov/realtime.html>) for nearby sites. Stream flow will be measured directly during all dry sampling events at each site. Single, discrete grab samples will be collected for all events. The wet sample will be collected on the rising limb of the hydrograph, whenever possible.

Samples from all study sites will be analyzed in the laboratory (GEPA-approved) for the following parameters: COD, BOD5, TSS, alkalinity, hardness, total phosphorus and orthophosphate, TKN, ammonia, and nitrate-nitrite. Additionally, the wet sample will be analyzed for dissolved metals (Pb, Cu, Zn, and Cd), and the required filtering will be done at and by the laboratory. "Clean metals" sampling techniques will be employed for the wet/metals sampling. In addition to laboratory analyses, the following in situ parameters will be measured during sample collection: air and water temperature, dissolved oxygen (DO), % DO, salinity, pH, turbidity, and specific conductance.

In addition to the aforementioned parameters, bacteriological monitoring (fecal coliform and E. coli) will be monitored over two sampling periods. During each sampling period, a total of four grab samples will be collected on a regular schedule (irregardless of weather) within a 30-day period. No sample will be collected within 24 hours of another sample. Sampling will be performed between the months of May – October to correspond to state standards. No flow measurements will be made during bacteriological monitoring.

A report will be provided that describes the methods used, results, and discussion of results and potential problem areas, and EPA spreadsheets will be completed and submitted for each year. The report will be provided to Turnipseed Engineers, Inc. in early 2023.

ASSUMPTIONS

It is understood that VHB will perform services under the sole direction of the Client. In the performance of these services, VHB will communicate its efforts with those of other project team members as required.

SERVICES NOT INCLUDED

The following services have not been included in this Agreement at this time:

- No meetings

Should work be required in these areas, or areas not previously described, VHB will prepare a proposal or amendment, at the Client's request, that contains the Scope of Services, fee, and schedule required to complete the additional work items.

CLIENT FURNISHED INFORMATION

VHB will rely upon the accuracy and completeness of Client-furnished information in connection with the performance of services under this Agreement.

SCHEDULE

VHB will begin performance of the above services on the date written authorization to proceed is received. The schedule is also subject to timely delivery of information promised by the Client and is exclusive of Client and local review of interim products.

COMPENSATION

VHB will perform the Scope of Services contained in this Agreement on a lump sum per task. VHB will bill on a percent complete and reserves the right to adjust budgeted amounts from task to task as may be required.

Prepared By: ge/cwc

Department Approval:

Please execute this Client Authorization for VHB to proceed with the above scope of services at the stated estimated costs. No services will be provided until it is signed and returned to VHB.

☒ Subject to attached terms & conditions.

☐ Subject to terms & conditions in our original agreement dated

Vanasse Hangen Brustlin, Inc. Authorization

By Erin K Murphy
Erin Murphy
Title Principal
Date 12/27/2021

Client Authorization (*Please sign original and return*)

By _____
Title _____
Date _____



GEORGIA ONLY

STANDARD TERMS AND CONDITIONS. The engagement of VHB by Client is under the following terms and conditions. These terms and conditions are an integral part of the collective Agreement between Client and VHB.

SCOPE OF SERVICES. VHB shall perform the services set forth in the attached Scope of Services. Requests for additional services and any associated fee adjustment must be authorized in writing before additional services can begin.

PERFORMANCE STANDARDS. VHB's services require decisions that are not based upon science, but rather upon judgmental considerations. In the performance or furnishing of professional services hereunder, VHB, and those it is responsible for, shall exercise the degree of skill and care ordinarily exercised by similarly practicing professionals performing similar services under similar conditions in the same locality ("Standard of Care"). VHB shall be entitled to rely on the accuracy and completeness of data, reports, surveys, requirements, and other information provided by Client.

SCHEDULE. VHB shall perform its services as set forth in the Scope of Services as expeditiously as consistent with the Standard of Care and the orderly progress of the Work. VHB shall not be responsible for failure to perform or for delays in the services arising out of factors beyond the reasonable control or without the fault or negligence of VHB.

PAYMENT. The fee estimate for the proposed Scope of Services is valid for 60 days from the date of Proposal. All schedules set forth in the attached Scope of Services commence upon receipt of a signed Agreement and, if requested, a retainer. Retainers will be applied to the last invoice. A RETAINER OF \$[] IS REQUIRED BEFORE SERVICES WILL COMMENCE.

Invoices will be rendered monthly and are due upon receipt. Any invoice unpaid more than 30 days after date of invoice will bear interest at 1-1/2 percent per month.

If Client fails to pay any invoice within 45 days of the date of invoice, VHB may, without waiving any other claim or right against Client or incurring any liability for delay, suspend the services until VHB has been paid in full. Sealed plans, final documents, reports, and attendance at meetings/hearings will not be provided unless payment for services is current.

If VHB is performing services for Client under multiple projects, payments must be current on all projects for services hereunder to continue. Client acknowledges VHB's right to suspend services and withhold plans and documents, as provided above, if any

payments are overdue. If services are suspended for 30 days or longer, upon resuming services VHB shall be entitled to expenses incurred in the interruption and resumption of its services. If services are suspended for 90 days or longer, VHB shall be entitled to expenses incurred in the interruption and resumption of its services and fees for remaining services shall be equitably adjusted.

The parties agree to coordinate invoices to assure timely payment. At minimum, VHB's project manager and Client's representative will confer as often as necessary about any issues involving invoicing and collections. Client's representative will contact VHB's project manager forthwith upon receipt of an invoice about any questions or issues concerning invoiced amounts. If Client's representative and VHB's project manager are unable to resolve any questions or issues, Client's representative will line item any disputed or questionable amount and pay VHB. VHB, at its option, may revise and resubmit disputed amounts at a later date.

Should it become necessary to utilize legal or other resources to collect any or all monies rightfully due for services rendered under this Agreement, VHB shall be entitled to full reimbursement of all such costs, including reasonable attorneys' fees, as part of this Agreement.

OWNERSHIP OF WORK PRODUCT. All work products (whether in hard or electronic form) prepared by VHB pursuant to the Agreement are instruments of service with respect to the Project and are not authorized, intended or represented to be suitable for reuse by Client or others on extensions of the Project or on any other Project. Any reuse by Client or a third person or entity authorized by Client without written verification or adaptation by VHB for the specific application will be at Client's sole risk and without liability or legal exposure to VHB. Client shall release, defend, indemnify and hold harmless VHB from all claims, damages, losses and expenses, including attorneys' fees, arising out of or resulting therefrom. Any such verification or adaptation will entitle VHB to additional compensation at rates to be agreed upon by VHB and Client, third person, or entity seeking to reuse said documents.

Client recognizes that information recorded on or transmitted as electronic media, including CADD documents ("Electronic Documents") is subject to undetectable alteration, either intentional or unintentional, due to, among other causes, transmission, conversion, media degradation, software error, or human alteration. Accordingly, the Electronic Documents are provided to Client for informational purposes only and are not represented as suitable for any use or purpose.

VHB retains the copyright in all work products produced in connection with this Agreement, unless otherwise agreed to in



writing by an authorized VHB representative. VHB licenses to Client on a non-exclusive basis the use of work products produced solely in connection with this Agreement. The license may be revoked for any failure of Client to perform under this Agreement.

CERTIFICATIONS. VHB shall not be required to sign any documents, no matter by whom requested, that would result in VHB having to certify, guarantee or warrant the existence of conditions whose existence VHB cannot wholly ascertain. Any certification provided by VHB shall be so provided based on VHB's knowledge, information, and belief subject to the preceding sentence, and shall reflect no greater certainty than VHB's professional opinion developed through and consistent with the Standard of Care. VHB shall be compensated for any work necessary to assess project compliance with regulatory standards for purposes of such certification.

INSURANCE. VHB agrees to carry the following insurance during the term of this Agreement:

- Workmen's Compensation and Employer's Liability Insurance in compliance with statutory limits
- Comprehensive General Liability Insurance including Products Completed, Contractual, Property, and Personal Injury coverage with combined single limits of \$1,000,000 per occurrence and \$2,000,000 in the aggregate
- Professional Liability Insurance with a limit of \$1,000,000 per claim and in the aggregate
- Automobile Liability Insurance including non-owned and hired automobiles with a combined single limit of \$1,000,000 per occurrence

Certificates of insurance will be furnished upon request. If Client requires additional insurance coverage, and it is available, Client agrees to reimburse VHB for such additional expense.

INDEMNITY. Client and VHB shall at all times indemnify and save harmless each other, their officers, and employees on account of damages, losses, expenses, reasonable counsel fees, and compensation arising out of any claims for damages, personal injuries and/or property losses sustained by any person or entity, to the extent caused by the negligent acts, errors or omissions of the indemnifying party, its employees, or subcontractors in connection with the Project, and/or under this Agreement.

Client agrees to the fullest extent permitted by law, to indemnify and hold harmless VHB, its officers, employees and subconsultants from and against any and all claims, suits, demands, liabilities costs including reasonable attorneys' fees, and defense costs caused by, arising out of, or in any way connected with the detection, presence, handling, removal, abatement, or disposal of any asbestos or hazardous or toxic substances, products, or material that exist on, about, or adjacent to the job site.

LIMITATION ON VHB'S RESPONSIBILITY AND JOBSITE

SAFETY. VHB will not be responsible for the acts or omissions of contractors or others at the Site, except for its own subcontractors and employees. Neither the professional activities of VHB nor the presence of VHB or its employees or subconsultants at a project site shall relieve the other parties on this project of their obligations, duties, and, including, but not limited to, construction means, methods, sequence, techniques, or procedures necessary for performing, superintending, and coordinating the Work in accordance with the contract documents and any health or safety precautions required by any regulatory agencies. VHB and its personnel have no authority to exercise any control over any construction contractor or its employees in connection with their work or any health or safety programs or procedures. Client agrees that Contractor shall be solely responsible for job site safety and warrants that this intent shall be carried out in Client's contract with Contractor.

ALLOCATION OF RISK. In recognition of the relative risks and benefits of the Project to both Client and VHB, the risks have been allocated such that Client agrees that to the fullest extent permitted by law, VHB's total liability in the aggregate to Client and any persons or entities claiming by, through or under Client, for any and all injuries, claims, losses, expenses, or damages whatsoever arising out of or in any way related to the Project and/or this Agreement from any cause or causes, including, but not limited to, VHB's negligence, errors, omissions, strict liability, statutory liability, indemnity obligation, breach of contract or breach of warranty shall not exceed the higher of \$50,000 (fifty thousand dollars), or ten (10) percent of the compensation actually paid to VHB. Client and VHB may agree to a higher limitation of liability for an increased fee.

DISPUTE RESOLUTION. All questions in dispute under this Agreement shall be submitted to non-binding mediation as a condition precedent to the institution of legal proceedings. On the written notice of either party to the other of the election to submit any dispute under this Agreement to mediation, each party shall designate their representative and shall meet within ten (10) days after the service of the notice. The parties shall then attempt to resolve the dispute within ten (10) days of meeting. Should the parties be unable to agree on a resolution of the dispute, then the parties shall proceed with mediation in accordance with the mediation rules of the American Arbitration Association. The cost of mediation shall be borne equally by both parties. This Agreement shall be governed and construed in accordance with the laws of the Commonwealth of Massachusetts.

LEGAL SUPPORT. To the extent VHB is required to respond to any dispute resolution process, including, but not limited to, requests for document production, discovery or a request to



appear in any deposition or legal proceeding, which is related to the Scope of Services but does not arise out of VHB's negligent acts, errors or omissions, Client shall compensate VHB for all costs incurred by VHB, including reasonable attorneys' fees.

DESCRIPTIVE HEADINGS AND COUNTERPARTS. The headings contained in this Agreement are for convenience of reference only and shall not constitute a part hereof, or define, limit or in any way affect the meaning of any of the terms or provisions hereof. This Agreement may be executed in two or more counterparts, and any party hereto may execute any such counterpart, which, when executed and delivered, shall be deemed to be an original and all of such counterparts taken together shall be deemed to be one and the same instrument.

EXCLUSIVE REMEDIES. In the event that any dispute is not remedied through the alternative dispute resolution procedures set forth herein, all claims, actions, and rights of action arising from or relating in any way to this Agreement or the services performed thereunder, whether in contract, tort, indemnity and all other rights of action whatsoever, shall be filed in a court of competent jurisdiction within three years of the completion of such services, or all such claims, actions and rights of action shall be waived. Recovery under this Agreement shall be limited by the parties' agreement on Allocation of Risk and the remainder of this section.

Notwithstanding any other provision of this Agreement, neither party shall be liable to the other for any liquidated, incidental, special, indirect or other consequential damages incurred, regardless of the nature of the cause or whether caused by Client or VHB, or their employees, subconsultants, or subcontractors. Consequential damages include, without limitation, loss of use, loss of profits, loss of production, or business interruption; however, the same may be caused.

VHB and Client waive all claims against each other arising out of or related to this Agreement or the services to the extent that losses, damages, and liabilities associated with such claims have been compensated by the proceeds of property insurance or any other insurance policy.

VHB makes no warranties or guarantees, express or implied, under this Agreement or any other contract document with respect to its provision of professional services. In entering into this Agreement, Client has relied only upon the representations set forth in this Agreement. No verbal warranties, representations, or statements shall be considered a part of this Agreement or a basis upon which Client relied in entering into this Agreement.

NO THIRD PARTY BENEFICIARIES. Nothing contained in this Agreement shall create a contractual relationship with, or a cause of action in favor of, a third party against either Client or VHB. In

addition, nothing herein shall be construed as creating a contractual relationship between Client and any VHB employee, representative, or consultant. Client agrees that in the event of a dispute regarding this Agreement or the services rendered by VHB hereunder, Client shall only seek recourse against VHB and waives any right to pursue a claim against VHB's individual directors, officers or employees.

VHB's commitments as set forth in this Agreement are based on the expectation that all of the services described in this Agreement will be provided. In the event Client later elects to reduce VHB's Scope of Services, Client hereby agrees to release, hold harmless, defend, and indemnify VHB from any and all claims, damages, losses or costs associated with or arising out of such reduction in services.

SEVERABILITY. The invalidity or unenforceability of any provisions of this Agreement shall not affect the validity or enforceability of any other provision of this Agreement, which shall remain in full force and effect.

TAXES. Any taxes or fees, enacted by local, state, or federal government and based on gross receipts or revenues, will be invoiced to and payable by Client as an additional amount due under this Agreement.

PROJECT SPECIFIC PROVISIONS. To the extent the Scope of Services involves any of the following services/geographies, the following general provisions apply accordingly:

AMERICANS WITH DISABILITIES ACT (ADA). Client understands and agrees that ADA standards are evolving and subject to varying, potentially contradictory interpretations and applications. VHB will use its reasonable professional efforts and judgment to interpret applicable ADA requirements and other federal, state and local laws, rules, codes, ordinances, and regulations as they apply to the project. VHB cannot and does not warrant or guarantee that Client's Project will comply with all ADA requirements or ADA interpretations or other applicable regulatory interpretations.

CLIMATE CHANGE/FLOOD ANALYSIS. Consultant shall not be responsible or liable for any damages, losses, litigation, expenses, counsel fees and compensation arising out of any claims, damages, personal injuries and/or property losses related to flooding conditions whether directly or indirectly due to flood water damage, and Client shall at all times indemnify and hold harmless VHB, its respective officers, agents and employees on account of any related claims, damages, losses, expenses and counsel fees related thereto.

CONSTRUCTION PHASE SERVICES

SITE VISITS. VHB shall make periodic site visits upon the request of Client or as otherwise agreed in writing by Client and VHB for the limited purpose of determining whether work is in general conformance with VHB's plans and specifications. Such visits are not intended to be an exhaustive check or a detailed inspection of Contractor's work. VHB shall not supervise or have control over Contractor's work nor have any responsibility for construction ways, means, methods, techniques, sequences, or procedures selected by Contractor nor for Contractor's safety precautions or programs in connection with the Work.

SHOP DRAWINGS. VHB's review and approval of submittals such as shop drawings, product data, samples, and other data, shall be for the limited purpose of checking for conformance with the design concept and the information in VHB's documents. This review shall not include review of the accuracy or completeness of details, such as quantities, dimensions, weights or gauges, fabrication processes, construction means or methods, coordination of the work with other trades, or construction safety precautions, all of which are the sole responsibility of Contractor and other unrelated parties. Review of a specific item shall not indicate that VHB has reviewed the entire assembly of which the item is a component. VHB shall not be responsible for any deviations from VHB's documents or other documents that are not brought to the attention of VHB in writing by Contractor. VHB shall not be required to review partial submissions or those for which submission of correlated items have not been received.

GEOTECHNICAL SERVICES. Client understands that VHB does not perform geotechnical services directly and, if requested, will retain a geotechnical subconsultant on behalf of Client, and VHB shall rely on the accuracy and completeness of data furnished as if the geotechnical services were contracted directly through Client.

TANK INSPECTION. Client will provide VHB with available underground storage tank (UST) documentation as necessary. VHB assumes that the documentation and site plans will be in order, be complete and meet regulatory compliance standards. VHB's inspection services are to fulfill regulatory requirements and do not include invasive testing or equipment calibration and testing. Accordingly, Client expressly agrees that VHB shall have no liability for equipment functioning or malfunctioning, product releases or spills.

LSP SERVICES – PROJECTS LOCATED IN MASSACHUSETTS. In accordance with the Massachusetts General Laws Chapter 21E, the performance of the services contained in this Agreement may require the engagement of a Licensed Site Professional (LSP) registered with the Commonwealth of Massachusetts under Massachusetts General Law Chapter 21A and the regulations

promulgated by the Massachusetts Department of Environmental Protection (MADEP) thereunder (collectively the LSP Program). These laws and regulations place upon the LSP certain professional obligations owed to the public, including in some instances a duty to disclose the existence of certain environmental contaminants to the MADEP. In the event that any site for which VHB has provided LSP services is audited by MADEP pursuant to the provisions of the Massachusetts Contingency Plan, VHB shall be entitled to additional compensation to provide such services as may be necessary to assist Client in its response to MADEP.

Client understands and acknowledges that in the event the LSP's obligations under the LSP Program conflict in any way with the terms and conditions of this Agreement or the wishes or intentions of Client, the LSP is bound by law to comply with the requirements of the LSP Program. Accordingly, Client recognizes that the LSP shall be immune for all civil liability resulting from any alleged and/or actual conflict with the LSP Program. Client also agrees to hold VHB and its LSP harmless for any claims, losses, damages, fines, or administrative, civil, or criminal penalties resulting from the LSP's fulfillment of its obligations under the LSP Program.