

GALAX FIRE & RESCUE

PETERBILT ST STL ELLIPTICAL TANKER BID SPEC

Galax Fire & Rescue Department Request for Proposals (RFP) 25-0018

Fire Apparatus Tanker – Tanker 10

April 25, 2025

GENERAL

The Galax Fire & Rescue Department (GFRD) is seeking proposals for a new Fire Apparatus Tanker with the specifications stated herein. This document serves as the formal Request for Proposals. This procurement will be funded through a grant provided by Federal Emergency Management Agency (FEMA). All applicable requirements associated with FEMA grants will apply to this procurement.

The Galax Fire & Rescue Department (hereafter, “Fire Department”), in its efforts to obtain the finest apparatus available that meets its rigid standards, will at the Fire Department's option, waive any formality or technicality to protect its interests and members regarding the award process.

The Fire Department reserves the right to accept or reject any or all proposals received as a result of this request, to negotiate with any qualified firm or to modify or cancel in part or in its entirety the Request for Proposal if it is in the best interest of the Fire Department to do so. This Request does not commit the Fire Department to provide any payment for costs associated with the preparation of proposals submitted in response to this Request for Proposal.

The Department will have sole discretion as to what exceptions are acceptable and whether substitutions are equitable. The Department reserves the right to enter into negotiations with the successful vendor once they are chosen and make any changes to the specification as needed to meet the GFRD budget. Submittal of a proposal indicates acceptance of the conditions contained in the RFP. All proposals are public records to the extent required by the Virginia Freedom of Information Act (FOIA).

PROPOSAL DUE DATE AND TIME

Sealed proposals will be received until **May 12, 2025 at 4:00 PM** for the Fire Apparatus Tanker. Please check for updates prior to submitting a bid to ensure timely delivery to the City of Galax Municipal Building. It is the responsibility of the respondent to check for updates prior to submission of the proposal.

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Proposal shall be mailed or hand delivered to:

City of Galax
Attention: Derek Spraker
111 East Grayson Street
Galax, VA 24333

The outside of the sealed envelope/box shall be clearly labeled “Galax F & R Tanker RFP 25-0018”. If the proposal is not marked with the above information, the respondent takes the risk that the envelope may be inadvertently opened and the information compromised which may case the proposal to be disqualified.

QUESTIONS DUE DATE AND TIME

- Questions may be submitted in writing to Derek Spraker, Procurement Specialist, at dspraker@galaxva.com until 4:00 PM on May 5, 2025.
- Answers to such questions that materially change the conditions and specifications of this request for proposals will be posted as an addendum.

PROPOSAL CONTENT

All proposals shall be submitted in 3-ring binders with divided sections for ease of examination and review. A minimum of two (2) COMPLETE sets of the Vendors proposal shall be provided to allow for a complete review by the Departments review personnel without missing any of the required documents.

The following items are required to be included in the submission:

- *A copy of these Fire Department proposal specifications
- *A clarification and exception sheet(s),
- *Proposed Chassis specifications and literature,
- *Proposed Body specifications and literature,
- *Statistical data,
- *All Proposal Warranties,
- *A dimensional statement,
- *A proposal/build drawing, (“like-type” or similar drawings are not acceptable)
- *A statement of construction responsibility,

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*Any additional sales/marketing brochures,

SPECIFICATIONS DOCUMENTS

A complete digital copy of the proposal specification, warranty documents and proposal drawing shall be provided on a CD ROM or thumb drive in each of the (2) Proposal binders.

SELECTION CRITERIA

It is the intent of the Fire Department to choose the firm whose proposal provide the best value to the Fire Department. The Fire Department committee will evaluate the proposals based on the following criteria:

- a) Completeness of response to the RFP
- b) Compatibility of proposal with regard to the minimum specified requirements
- c) Performance record and history of previous work provided by references
- d) Price
- e) Ability of Vendor to provide service after delivery
- f) Completion time

PRICING

Pricing of the proposed unit shall be in a **separate, sealed envelope** with the original copy only. RFPs shall not have pricing on cover letters or on open documents included in the binders.

Failure to comply with this provision will be considered non-compliance with instructions.

Pricing envelopes will only be opened after RFPs have been reviewed and ranked.

All bid prices shall remain effective for forty-five (45) calendar days from the proposal due date.

Pursuant to Virginia Code Section 58.1-609.1(4), the Fire Department is exempt from the payment of Virginia state sales and use taxes. Vendors should not include such taxes in invoices presented to the Fire Department for payment. State sales and use tax certificates of exemption, Form ST-12, will be issued upon request.

CLARIFICATIONS AND EXCEPTIONS

Exceptions will be allowed if they are equal to, or superior to that specified.

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Due to the universal availability to the fire apparatus manufacturing industry, all components listed by specific brand or manufacturing name shall be provided WITHOUT substitution where the term "or other" is not stated.

Each item of non-compliance shall be listed as follows on the first line: Page Number, Section Heading, and Paragraph, followed on the next line(s) by the exception taken.

Proposals taking total exception to these specifications or not following these specification requirements and instructions as detailed and outlined will be immediately rejected. **NO EXCEPTION**

VEHICLE SPECIFICATIONS

It is not the intent of these specifications to eliminate any Vendor from offering a proposal. However, there are minimum acceptable specifications.

It is the intent of these specifications to furnish the Fire Department with a complete apparatus equipped as specified herein.

These specifications cover both specific and general requirements as to the type of construction and tests to which the apparatus and vendor must conform.

Certain details of construction and materials that were not otherwise specified, are left to the discretion of the contractor, who shall be solely responsible for the design, safety, and construction of all apparatus features.

The importance of reduced life cycle costs and public safety associated with firefighting apparatus covered by this specification will exclude from consideration, (when evaluating proposals) apparatus of a type that deviates from these specifications.

The vendor is responsible for making sure the apparatus meets NFPA requirements in place at the time of proposal and award.

MANUFACTURERS STATEMENT

Proposals will only be considered from companies which have an established reputation in the field of emergency vehicle construction that has been in continuous business for a minimum of twenty-five (25) years building this style of Tanker Apparatus.

The Vendor shall state the location of the manufacturing facilities where the apparatus is to be constructed as well as a brief history of the company. **NO EXCEPTIONS**

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SERVICE ABILITY

The manufacturer/dealer shall have an authorized service facility no more than 120 miles from the Fire Department or provide mobile service at the Fire Department. The service facility shall be able to handle all necessary and required maintenance or repairs to the vehicle except for any Peterbilt maintenance or repairs of specialized components such as engines, transmissions, axles, etc.

THERE SHALL BE NO EXCEPTIONS TO THIS REQUIREMENT.

BODY CONSTRUCTION REQUIREMENTS

The body must be built by the manufacturer in its own facilities and within the United State of America. No sub-contracted or second party constructed bodies will be allowed. The manufacturer shall by means of a statement, show that they are the sole manufacturer of the body. Failure to comply with this section shall be cause for immediate rejection of the proposal with no further explanation given. **NO EXCEPTION**

PROPOSED VEHICLE

The vehicle proposed shall be of new construction (not previously owned) and built specifically for the Fire Department.

The vendor shall show the full and complete price for the vehicle as specified within these specifications in one (1) specific section, stated in a CLEAR and CONCISE manner. Any attempts to HIDE or CONCEAL any applicable costs shall result in rejection of the proposal. **NO EXCEPTION**

Any additional add-on amounts, or the failure of the vendor to include all costs required under these specifications will not be accepted and will not be paid by the Department.

The Fire Department will not pay any additional monies, or negotiate the quoted price, unless a change(s) is/are specifically requested by the Fire Department to the specifications or to the vehicle. If such a change(s) is/are made by the Fire Department, it/they shall be done in writing, and confirmed back to the Fire Department by the vendor for the Departments written approval before commencing any changes.

Any changes done by the manufacturer without written approval of the Fire Department shall be cause for the rejection of the apparatus. **NO EXCEPTION**

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PROPOSAL DRAWINGS

A minimum four (4) view drawing of the vehicle being proposed shall be submitted with the proposal and will be representative of the Vendors proposed apparatus. These shall show all approximate dimensions of the apparatus for ease of comparison. Drawings of “similar to” will not be accepted as complying with this requirement

VEHICLE COMPLETION

Completion of the vehicle shall be stated in a separate statement in CALENDAR DAYS from the receipt of the chassis and/or contract date.

This statement shall also show the estimated delivery time of the chassis from the date of the contract award.

VEHICLE PAYMENT

There will not be pre-payments of any kind made on the unit. The Fire Department reserves the right to make a payment for the cost of the chassis from Peterbilt upon arrival to the tank manufacturer.

The Fire Department shall inspect and accept the vehicle during the final inspection trip, when the apparatus is 100% complete and will be performed at the apparatus manufacturers plant. **NO EXCEPTION**

No payments shall be made before the inspection is completed and the apparatus has been accepted by the Fire Department.

The Fire Department reserves the right to reject the vehicle if it fails to meet the accepted RFP contract specifications. The reasons for the rejections and the remedies required by the vendor to make the vehicle comply, or that the Department will not accept the vehicle as built due to noncompliance will be resolved at this time.

The Fire Department will not release any payment without the original MSO in hand. The vendor shall be prepared for this exchange.

CHANGE ORDERS

In the pricing section of the proposal, the Vendor shall include a description of change order pricing, detailing any cost associated with change orders. This description will specify whether any

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administrative charge is associated with change orders and if that charge is "per change order" or "per line item" on the change order.

Any change orders done after the award of a contract must state in calendar days if the change order extends the delivery time of the unit. Unless specifically stated on this change order document, the originally quoted delivery time will remain in effect.

INSPECTION TRIPS

Two (2) inspection trips shall be provided to the manufacturers' facilities at the times designated by the Fire Department for the purpose of vehicle inspection and review.

These trips shall be attended by the designated members of the Fire Department and the designated member(s) of the manufacturer, and the manufacturers' representative and/or dealer (mandatory)

NO EXCEPTIONS.

The Fire Department will cover the full costs of these inspection trips. No costs for inspection trips shall be included in the proposal from the bidder.

NFPA COMPLIANCE

All equipment and components shall comply with the National Fire Protection Association Pamphlet 1900 (2024 Edition), Standard for Automotive Fire Apparatus, for Pumper Fire Apparatus Equipped with a Fire Pump. In addition, the apparatus shall also comply with all federal, state, ICC, and DOT regulations, standards, and laws relating to commercial vehicles as well as to the fire apparatus.

Loose equipment shall be provided only as stated in the following pages.

LIABILITY

The bidder, if his/her bid is accepted, shall defend any and all suits and assume liability for the use of any patented process, device or article forming a part of the apparatus or any appliance furnished under the contract to the extent allowable under the law.

COMMERCIAL GENERAL LIABILITY INSURANCE

Each bidder shall supply proof of product liability and facility insurance equal to or exceeding \$5,000,000. This shall be provided as part of the request for proposal.

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BID BOND

A bid bond will be submitted with the bidder's proposal. The bond will be for an amount equal to 10% of the proposed bid price. Failure to provide an acceptable, valid bid bond with the proposal will result in the immediate rejection of the bidder's proposal.

PERFORMANCE BOND

A 100% Performance Bond shall be provided within 10 days after written notification of award of the contract. The performance bond shall be furnished by the bidder of the apparatus proposed. All bonds must be provided by the apparatus manufacturer; bonds provided by a sales representative, dealer, distributor, or agent of the apparatus manufacturer will not be acceptable.

With respect to the qualifications of proposed bond or sureties, the bidder's bonding company must meet the following requirements:

1. An acceptable surety as outlined by the department of treasury on their most recent register at a limit of at least \$10,000,000;
2. AM Best rating of "A" or better with a financial rating of as least "VIII"; and
3. Licensed as a surety in the state where the sale is to be made.

DATA REQUIRED OF THE CONTRACTOR - NFPA 1900 - 2024 Edition Section 7.21

NFPA 7.21.1 Fire Apparatus Documentation. The contractor will supply, at the time of delivery, the required information.

NFPA 1900 - 7.21.2 Operations and Service Documentation.

7.21.2.4* - The contractor shall deliver with the apparatus all manufacturers' operations and service documents supplied with components and equipment that are installed or supplied by the contractor.

HIGHWAY PERFORMANCE NFPA 1900, 2024 Edition, Section 7.16

7.16.1 - The apparatus, when loaded to its estimated in-service weight, shall be capable of the following performance while on dry, paved roads that are in good condition:

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(1) Accelerating from 0 to 35 mph (55 km/hr) within 25 seconds on a 0 percent grade

(2)* Attaining a speed of 50 mph (80 km/hr) on a 0 percent grade

(3)* Maintaining a speed of at least 20 mph (32 km/hr) on any grade up to and including 6 percent

7.16.2* - The maximum top speed of any fire apparatus with a GVWR over 33,000 lb (15,000 kg) shall not exceed either 68 mph (109 km/hr) or the manufacturer's maximum fire service speed rating for the tires installed on the apparatus, whichever is lower.

7.16.3 - If the combined water tank and foam agent tank capacities on the fire apparatus exceed 1250 gal (4732 L), or the GVWR of the vehicle is over 50,000 lb (22,680 kg), the maximum top speed of the apparatus shall not exceed either 60 mph (95 km/hr) or the manufacturer's maximum fire service speed rating for the tires installed on the apparatus, whichever is lower.

NFPA TAG REQUIREMENTS

A label that states the number of personnel the vehicle is designed to carry shall be located in an area visible to the driver.

A sign that reads "**OCCUPANTS MUST BE SEATED AND BELTED WHEN APPARATUS IS IN MOTION**" shall be provided and located in the chassis cab in an area that is visible from each seating position.

An accident prevention sign that states "**OVERALL HEIGHT OF APPARATUS 130 INCHES**"

One "Final Stage Label" shall be attached to the drivers side door jamb. The label shall certify that the complete vehicle conforms to the federal motor vehicle safety standards, which have been previously fully certified by the incomplete vehicle manufacture or by the intermediate vehicle manufacture and have not been affected by the final stage manufacture.

An accident prevention sign that states "**DANGER: DO NOT RIDE ON REAR STEP WHILE VEHICLE IS IN MOTION - DEATH OR SERIOUS INJURY MAY RESULT**" shall be provided and installed at the rear of the apparatus.

A label stating "**DO NOT WEAR HELMET WHILE SEATED**" shall be visible from each seating location.

ENGINEERING DRAWINGS

The blueprints submitted shall match exactly to the purchaser's contract specifications and are on "D" size paper, 24" x 36".

The blueprints are provided as follows:

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- Left side
- Right side
- Rear view
- Top view

The final production blueprints shall be provided and approved by the GFRD prior to any metal being sheared.

WARRANTY

Each bidder shall include a copy of their warranty with the RFP. The following minimum warranties shall be provided, **NO EXCEPTION.**

Each new motorized Fire and Rescue Apparatus is to be free from defects in material and workmanship, under normal use and service, for a period of one (1) year. Manufacturer's obligation under this warranty is limited to replacing or repairing, as the manufacturer may elect, any part or parts thereof, which, upon examination, would be determined to be defective. Such defective part or parts will be replaced free of charge, and without charge for installation, to the original purchaser.

All warranty work related to the apparatus (not including vehicle chassis) is to be performed at the manufacturer's factory or at an authorized service center.

BODY WARRANTY (MINIMUM)

The manufacturer shall warrant the entire stainless steel body against rust and/or full corrosion perforation and metal fatigue for a minimum period of twenty (20) years from the date of delivery to the original purchaser, provided the apparatus is used in a normal and reasonable manner.

The term "body" shall be inclusive of the following:

- Compartments and compartment supports
- Hinged compartment doors
- Complete subframe including pump house framing

WATER TANK WARRANTY

The contracted tank manufacturer (UPF) shall warrant that the tank provided shall be of first-class workmanship and that, under normal conditions, shall show no defects due to faulty design, workmanship, or material for the Lifetime of the vehicle to the original owner.

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PUMP WARRANTY

The contracted pump manufacturer shall warrant that the pump provided shall be of first-class workmanship and that, under normal conditions, shall show no defects due to faulty design, workmanship, or materials for a period of five (5) years.

PUMP PLUMBING WARRANTY

The stainless steel plumbing components, as specified, and ancillary brass fittings used in the construction of the water/foam plumbing system shall be warranted for a period of ten (10) years or 100,000 miles. This covers structural failures caused by defective design or workmanship, or perforation caused by corrosion, provided the apparatus is used in a normal and reasonable manner. This warranty is extended only to the original purchaser for a period of ten (10) years from the date of delivery.

12 VOLT ELECTRICAL WARRANTY

The 12-volt electrical system and ancillary components used in the construction of the apparatus shall be warranted for a period of five (5) years. This covers failures caused by defective design or workmanship, provided the apparatus is used in a normal and reasonable manner. This warranty is extended only to the original purchaser, for a period of five (5) years from the date of delivery.

Items specifically covered are:

- Electrical harnesses and harness installation
- Switches, circuit breakers, and relays
- LED Lighting: FMVSS required and warning lights
- Electrical connectors and connections, against corrosion or deterioration

Items excluded, as they are covered by specific warranties supplied by the manufacturer of the components:

- Chassis electrical systems and components installed by the chassis manufacturer.
- Batteries, battery chargers, two-way radio equipment, and similar equipment.
- Periodic cleaning and tightening of battery terminal connections.
- Accident, negligence, or unauthorized alteration of original equipment.

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PAINT WARRANTY

The body paint on the unit will be provided with a seven (7) year paint finish guarantee which will cover the finish for the following items:

- Peeling or delamination of the top coat and/or other layers of paint.
- Cracking or checking.
- Loss of gloss caused by defective finishes which are covered by this guarantee.

CHASSIS WARRANTY

Chassis shall be warranted by the chassis manufacturer as per the chassis manufacturer's issued warranty.

100% WARRANTY ON ALL OTHER ITEMS FOR ONE YEAR.

APPARATUS DIMENSION REQUIREMENTS

A - Overall length of apparatus: 31 feet

B - Overall height of apparatus: 126" (10' 6")

Peterbilt Base Model 567 SFFA

Frame & Equipment

10-3/4" Steel Rails 385-402" 10.75x3.5x.375 Dimension, 2,136,000 RBM; Yield Strength: 120,000 psi. Section Modulus: 17.8 cubic inches. Weight: 1.74 lbs/inch pair w/ Full Steel Inner Liner

Zinc Coated Anti Corrosion Treated Frame Rails inc Liner

Front Axle & Equipment

Steer Axle 20,000 lbs. (minimum) Wide Track 4" Drop Axle with warranty of 5 years, 750,000 miles.

Leaf Springs, Shocks 20,000 lb Standard with Heavy Resistance Shocks and Greasable Front Spring Pins.

Power Steering Dual For use with 16,000 to 20,000 lb. axle ratings.

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Bendix Air Disc Front Brakes with dust shields.

Rear Axle & Equipment

46,000 LBS tandem drive axles (Minimum)

Bendix ESP Electronic Stability Program With ATC Truck, pumper/tanker. Anti-Lock Braking System (ABS) 6S6M ABS-6. Includes air braking system.

Air Disc Rear Brakes, Tandem Drive Axle Includes Automatic Slack Adjusters with Dust Shields.

Diff Lock Tandem Axles With Speed Interlock. Automatically Disengages Wheel Diff Lock at Speeds Above 25 mph.

Ratio X.XX Rear Axle (For NFPA top speed of 60 mph)

Chalmers 854, 46,000 lbs, 54" Axle Spacing, Low Mount Saddle Height, Chalmers with Beam Shocks for Chalmers Suspension Type1 Installation, beam to outside frame. **NO EXCEPTION**

Engine & Equipment

Cummins X15 500EV@1800 GOV@2100 1850@1150 Perf Series, Emergency (2024 Emissions) Optimized for Performance

Cummins TRV For DAVCO Only For Fuel Filter, X15

Engine Brake Controls Located on RH Column

EPA Emission Warranty

320 Amp Alternator

Immersion Type Block Heater 110-120V Standard location for 2.1M.

PACCAR Premium Starter - X15 Engines Only and improved warranty 36 months / 350,000 mi.

(4) PACCAR Premium 12V Dual Purpose Batt 2920 CCA Threaded stud type terminal. Stranded copper battery cables are double aught (00) or larger to reduce resistance with Battery Jumper Terminal Mounted Under Hood LH Frame Rail.

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2-Speed Fan Clutch For Frequent Start/Stops.

Naturally Aspirated 18.7 CFM Air Compressor X15 Only

Intebrake (Furnished on Engine) three-stage engine brake operation.

DAVCO 382 Fuel/Water Separator with 12V Heat.

(1) Air Cleaner Firewall Mounted Molded rubber air intake and Ember Separator On Air Intake

Exhaust Dual SOC with DPF/SCR RH Under Cab, Single Module with Chrome Finish Over Elbow and 24" Ht, 5" Dia Chrome Curved Standpipe(s)

Transmission & Equipment

Allison 4000 EVS-P Transmission, Gen 6 Fire and Emergency Applications with Allison Dynamic shift sensing and Allison Auto Neutral At Stop 6-Speed Configuration with Dash Mounted Push Button Shifter

Air & Trailer Equipment

Bendix AD-HF EP Air Dryer, Heater. Pull Cords All Air Tanks. Rapid Air Pressure Build-Up System for Fire/ Emergency/Rescue Vehicles only

Tires & Wheels

FF: Michelin matching GAWR. Aggressive tread

RR: Michelin minimum 12R size exceeding axle rating. Mud/Snow tread

FF: Alcoa High Polish Aluminum, Ultra ONE. Mirror Polish Wheels, Outer Surface

RR: Alcoa High Polish Aluminum. Ultra One. Mirror Polish Wheels, Outer Surface

Wheel Guards, Tandem Axles and Wheel Guards, Steer Axle.

FF: Dura-Bright Finish Outer Surface of Outer Wheel and RR: Dura-Bright Finish-Tandem Axle Outer Surface of Outer Wheels

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Fuel Tanks

Aluminum 70 Gallon Fuel Tank LH U/C Includes steps for cab access with Fuel Cooler.

Polish (1) Non-Slip Fuel Tank Step, Polish (1) Aluminum Fuel Tank, Polish All Fuel / Hydraulic Tank Straps

DEF Tank Mounted LH BOC with Polished Stainless Steel Cover For DEF Tank 14 Gal 2.1M

Polish Battery/Tool Box(s), Aftertreatment Cab Entry complete

Aftertreatment Aluminum Non-Slip Cab Entry Aftertreatment right-hand under cab step.

Aluminum Bumper Deep Taper Stainless Steel Clad Bright mirror finish, two tow pins and Heavy Duty External Tow Eye.

Cab & Equipment

Vocational 121 BBC Alum Cab and Metton Hood SFFA Stainless steel crown and grille with tilt assist. With Thermal Insulation Package in Cab Smart Sound Cab Insulation Package Cab acoustic insulation package for day cabs. Includes insulated inside firewall, top side floor damping, absorber treated kick panels, and insulated backwall and roof structure.

Peterbilt Keyless Entry The Peterbilt key fob functions to lock or unlock the vehicle.

Side of Hood Air Intake Bezel, Bright Finish

Fender Lips 2.25" Wide

Peterbilt NFPA Compliant High Back Air Ride Driver Seat Includes NFPA (National Fire Protection Association) compliant seat belt length with Drivers Armrest - RH Only

Peterbilt NFPA Compliant High Back Air Ride Passenger Seat Includes NFPA compliant seat belt length with Passenger Armrest - LH only.

Black Vinyl Seat Color with Red Color Seat Belts and Seat Belt Sensor and Wiring with Seat Occupancy Sensor and Wiring - NFPA Compliant

Adjustable Steering Column - Tilt/Telescope

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Premium Steering Wheel With Multi-Function Premium Multi-functional Leather Wrapped Steering Wheel with Peterbilt logo on horn button , audio volume, seek, mute and mode button on LH pod with cruise control on/off/cancel, set/resume and accelerate/coast on the right pod.

Premier Interior - Sterling Gray Features single tone dash with chrome accent, bright bezel gauges and accented door pad. Includes unique technical grained A,B, C & D instrument panels with contoured doorpads, padded fabric headliner and vinyl wall panels. Superior ergonomics are achieved while maximizing productivity featuring: multiple power ports, (2) coat hooks, header-mounted domelight, power lift driver and passenger windows, LH and RH door mounted map pockets with built-in courtesy lights, driver and passenger dome/reading lights and footwell lighting. Comfort features include automatic temperature HVAC controls, 18 inch 4-spoke soft-touch steering wheel, soft-touch steering column cover, carpeted floor covering, (3) inside sunvisors, integrated "dead pedal, cup holder and map bin in dash. Rubber Floor IPO Carpet (Black Only) Rubber Floor Covering in Cab. Omit Day Cab Rear Window.

Exterior Cab Entry Grab handles Textured; NFPA compliant.

1-Piece Curved Windshield. Power Door Locks and Power Window Lifts Standard

Combo Fresh Air Heater/Air Conditioner With radiator mounted condenser, dedicated side window defrosters, Bi-Level Heater/Defroster Controls, 54,500 BTU/HR, and silicone heater hoses.

Ember Filter for Cabin Air.

Outside Sunvisor - Stainless Steel.

Aero Rear View Mirror Housing - Bright Finish. Rear View Mirror, Motorized Includes top mirror with motorized, adjustable dual axis heated glass. Bottom mirror is an integrated convex surface. Includes black textured arms with break away feature. Includes Look Down Mirror Over Passenger Door with Black Housing

ConcertClass, AM/FM, Weatherband, 3.5 Aux input connection, Midlevel Speaker Package For Cab (4) Speakers, Radio Mute When In Reverse, w/ Bluetooth Phone and Audio with USB Port

S Global Telematics Hardware

Removable Bug Screen Behind Grille, Peterbilt Electric Windshield Wipers With Intermittent Feature and Cab Air Suspension

Auto Reset Circuit Protection Day cab

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Triangle Reflector Kit, Ship Loose and Fire Extinguisher, Mounted Outboard Driver Seat

Backup Alarm (107 DB)

Engine Oil Temperature Located in Digital Cluster Display. Transmission Oil Temperature (Main) Located in Digital Cluster Display Air Filter Restriction Pressure Gauge Located in Digital Cluster Display, Brake Application Air Pressure (Tractor) Located in Digital Cluster Display, Increased Air Filter Full Indication For air filter restriction gauge, Fuel Filter Restriction Pressure Located in Digital Cluster Display, Engine Hourmeter Gauge Located in Digital Cluster Display, Engine PTO Hour meter Gauge Located in Digital Cluster Display, Engine Manifold Pressure (Turbo Boost) Located in Digital Cluster Display. Engine Percent Torque Located in Digital Cluster Display

Main Instrumentation Panel Digital Cluster 15" Display includes: Speedometer, Tachometer, Primary Air Pressure, Secondary Air Pressure, Fuel Level, DEF Level, DPF Filter Status, Fuel Economy, Oil Pressure, Coolant Temp, OAT and Voltmeter.

Vehicle Data Recorder Wiring, Class One VDR wiring located behind the seat to install the VDR.

Headlights Projector Module Pod Fender mounted turn signals, projector module low beam, complex reflector high beam, pod mounted with (5) Marker Lights, Aero LED On roof along w/ Switch & Wiring For F/O Fog Lights. Includes Daytime Running Lights and Self-Canceling Turn Signals

Cab Paint

Axalta Two Stage - Cab/Hood Base Coat/Clear Coat.

Chassis Warranty

Peterbilt Class 8 Standard Coverage 1 year/100,000 Miles (160,000 km)

SmartLINQ RD - 5YR Sub Cummins Engines

Base Warranty: Emissions 5YR/100K MI-EPA

CHASSIS MODIFICATIONS

The frame-mounted chassis batteries shall be relocated to the lower portion of the right pump panel area with a hinged access door.

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An aluminum console shall be specially designed to fit between the driver and the officer seats, to house all electrical lighting switches.

The console shall also be designed to hold the customer's specified communication equipment.

Exact layout shall be approved by the GFRD prior to construction.

Heavy-duty black rubber mudflaps shall be provided behind the front tires.

Black, anti-sail mudflaps shall be installed behind the rear wheels.

A full width black, rear mudflap shall be provided and installed behind the rear wheels near the end of the body.

Two (2) chrome-plated tow eyes shall be installed on the rear of the apparatus. The tow eyes shall be 1-1/4" thick steel and shall be bolted directly to the chassis frame rails with grade-8 bolts. The tow eyes shall have an eyelet hole of 3" diameter.

The helmets will be stored in a compartment as specified by the GFRD purchaser at pre-paint inspection.

The chassis shall be equipped with a Class 1 *Vehicle Data Recorder* (VDR) system. The system shall be designed to meet NFPA 1900, 2024 edition, section 7.12.5(4).

A Class 1 seat belt warning system, integrated with the *Vehicle Data Recorder* system, shall be installed for each seat within the cab. The system shall activate an indicator light in the instrument panel, a digital seat position indicator with a seat position legend in the switch panel, and an audible alarm.

Reel Wheels *Tire Watch* stainless steel electronic LED valve caps shall be installed on all wheels. Caps shall illuminate with a red LED when tire pressure drops 8 psi. The valve caps are self-calibrating and are set to the pressure of the tire upon installation.

The front axle shall be trimmed with stainless steel "baby moon" hub caps, (with hole for oil seals,) and stainless steel lug nut covers.

The rear axle(s) shall be trimmed with stainless steel "Lincoln hat" hub covers and stainless steel nut covers.

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Manual pull-type air tank drain cables shall be provided with the apparatus. The cables shall be extended to the outer edge of the apparatus to facilitate draining moisture from the chassis air tanks. A label shall be affixed indicating "Air Tank Drain".

A green "MASTER DISCONNECT ON" indicator light, visible from the driver's position, shall be provided.

The key to the chassis ignition shall be permanently chained to the dash to prevent accidental removal of the key from the cab.

A 200 amp solid state power relay shall be wired from the chassis batteries to disconnect all 12VDC electrical accessories added by the body manufacturer. The power relay will be controlled by a chassis ignition circuit.

A Kussmaul Auto Charge #1200 Series Model #091-187-12, (or equal) 15 amp battery charger and 3 amp Battery Saver shall be provided and installed. The charger shall include a Model #091-199-001 remote digital display. It is to be powered by a 20 amp, 120V inlet receptacle, with weatherproof cover and box, located on the lower left hand pump panel.

POWER POINT CONSOLE MOUNT

The cab shall include two (2) 12 volt cigarette-lighter-type receptacles in the center console to provide a power source for 12 volt electrical equipment. The cab shall also include two (2) universal serial bus (USB) charging receptacles in the cab dash to provide a power source for USB chargeable electrical equipment. Each USB port shall be capable of a 5 Volt-500 milliampere output. The receptacles shall be wired to be live with the battery master switch.

One (1) set of external jumper posts shall be supplied on the unit, located on the lower drivers side pump panel and directly connected to the batteries. The posts will be clearly color-identified, so there will be no confusion when connecting jumper cables or a battery charger to the posts.

CHASSIS MODIFICATIONS-110 VOLT SHORELINE

Two (2) 110 volt shorelines shall be run, one to the interior of the cab for accessory electrical equipment and one into the R1 compartment. Each line shall be wired to a six (6) outlet power strip, located where designated at the pre-paint inspection. They will be supplied off the shoreline plug.

GALAX FIRE & RESCUE

PETERBILT ST STL ELLIPTICAL TANKER BID SPEC

AIR INLET

An air inlet shall be provided, which shall allow station air to be supplied to the apparatus brake system through a shoreline hose. The inlet will be equipped with a male coupling, and will be located on the lower left side pump panel. A check valve will be provided to prevent reverse flow of air. The inlet will discharge into the "wet" tank of the brake system. A mating female coupling will be provided with the loose equipment.

RADIO MOUNTING

An antenna mounting base, Model MATM, with 17 feet of coax cable and weatherproof cap shall be provided for a two-way radio. The mount shall be located on the cab roof with the cable routed to the center cab console.

A GFRD supplied, pre-programmed radio will be installed in the cab where directed.

PUMP

A shift mechanism shall be provided in the cab, located within easy reach of the driver. A Chelsea PTO (or equal) shall be installed on the chassis transmission with heavy duty U-joints and drivelines.

An additional shift mechanism shall be provided on the drivers side pump panel within easy reach of the pump operator.

Four (4) anodes shall be installed in the pump to prevent damage caused by galvanic corrosion within the pump, two (2) installed in the suction side of the pump and two (2) installed in the discharge side of the pump.

WATEROUS CX SERIES 1000 GPM - PTO PUMP

7-year Limited Warranty

NOTE! There will be no pump and roll operation.

A Waterous VPOS oil-free, rotary vane primer shall be provided. The primer shall be a positive-displacement pump that will meet NFPA requirements. The valve is opened by a heavy-duty solenoid, which is energized simultaneously with the primer motor, by a push button switch, located on the operators panel, and will be clearly labeled.

GALAX FIRE & RESCUE

PETERBILT ST STL ELLIPTICAL TANKER BID SPEC

A Fire Research *PumpBoss Max* series PBA500-A00 pressure governor and control module kit shall be installed. The governor and monitoring display shall be located on the pump operator's panel.

All piping shall be heavy-duty, 304 grade, schedule 10 stainless steel or Class 1 high-pressure flexible hose. All stainless steel fittings shall be threaded or welded. Class 1 flexible hose shall be Black SBR synthetic rubber hose with 300# working and 1200# burst pressure, with stainless steel fittings. Victaulic or rubber couplings shall be used, where necessary, to allow flexing of plumbing, which will prevent damage or loosening of the piping, which can occur with rigid plumbing.

Small lines within the pump enclosure shall be constructed from Synflex hose. Uses include, but are not limited to, such lines as priming control, gauge lines, drain lines, air control valves, pump shift, supplemental cooling, foam flush, and air bleeder valves.

The fire pump and plumbing system shall be painted job color, or the lower color when a two paint scheme is specified. **NO EXCEPTIONS**

All pump intake and discharge valves shall be *AKRON 8000* heavy-duty swing-out series. The valves shall carry a ten (10) year manufacturers' warranty.

An Elkhart Brass (or equal) intake relief valve shall be installed on the suction side of the pump. The valve shall be the preset type at 125 PSI and is adjustable from 75 to 250 PSI, and shall be designed to prevent vibration from altering the setting. The relief outlet shall be directed below the pump with the discharge terminating in a 2-1/2" male NST connection. The discharge shall be away from the pump operator and labeled "Do Not Cap".

A *Waterous Overheat Protection Manager (OPM)* thermal relief valve shall be provided on the pump. A pump panel mounted indicator light shall be provided and activated when the pump water temperature reaches 180 degrees F.

The apparatus shall be completely tested and approved in accordance with NFPA standard practices for pumping engines. Test results shall be forwarded to the GFRD customer upon delivery.

Discharges/Suctions

All intake and discharge plugs and caps shall be vented-lug type, designed to relieve trapped pressure and help reduce possible operator injuries.

Two (2) 6" steamer inlets shall be provided on the pump panels, one (1) on the left side and one (1) on the right side. Both inlets shall have screens and chrome caps with long handles.

GALAX FIRE & RESCUE

PETERBILT ST STL ELLIPTICAL TANKER BID SPEC

One (1) 2-1/2" suction valve shall be installed on the left side of the unit. The valve body shall be mounted behind the pump panel, with a 2-1/2" NST chrome inlet swivel, chrome plug and chain, and removable inlet strainer.

There shall be two (2) 3" gated tank to pump lines, one from the front of the tank and one near the rear of the tank. Piping from the sumps to the valve shall be 4" diameter. The lines will be plumbed into the suction inlets of the pump for maximum efficiency. A 3" full-flow, inline ball valve, with check valve, shall be provided for each line to prevent accidental pressurization of the water tank through the pump connection. Separate controls with a function plate shall be located on the pump operator's panel.

There shall be a 2-1/2" tank refill line installed, with a 2-1/2" inline valve. Valve shall be controlled at the pump operator's panel, and will be clearly marked "TANK REFILL/PUMP COOLER".

A Hannay aluminum booster reel with aluminum discs shall be installed over the pump compartment, right side and left side. Reels shall be constructed utilizing an aluminum welded base. Rewind shall be a 12v electric motor that will chain-drive the reel drum. Each reel shall include 150' of 1" booster hose. A TFT *Twister* model #DS1040 1" nozzle shall be provided for each reel and mounted. A weather-proof push-button switch shall be located near the reel on the respective pump panel. A gear-driven manual rewind shall be included. Chrome rollers and guides shall be provided on the respective side of the pump compartment. The booster reel discharge controls shall be located at the pump operator's control panel.

One (1) crosslay shall be installed over the pump. The crosslay shall be capable of holding 200' of 1.75" of double-jacketed hose, in a single-stack load. A 2" mechanical swivel with 1.5" NST hose connector shall be used in the crosslay, to allow deployment of hose in either direction. Stainless steel rollers with nylon guides shall be mounted on both ends, and below the crosslay. The crosslay shall be plumbed with 2" piping and a 2" valve, and shall be controlled at the operator's panel. Crosslay shall be recessed as low as possible in the pump panel.

A polished aluminum diamond plate lid shall be provided over the crosslay. The lid shall have full-length stainless-steel hinge with velcro straps to hold lid firmly in place. Black vinyl flaps shall be installed on each end of the crosslay to retain the hose load.

The remaining area behind the crosslay(s) shall be used for additional storage space or booster reel mounting. Each side of the dunnage compartment shall be enclosed with 12 gauge satin-finish stainless steel.

One (1) trashline discharge shall be piped to the right side pump panel with 2" piping and 2" valve.

GALAX FIRE & RESCUE

PETERBILT ST STL ELLIPTICAL TANKER BID SPEC

Discharge shall terminate in the sump box with a 2" x 1.5" male NST adapter. A discharge control handle shall be provided on the pump operator's panel.

The left side running board shall have a 12 gauge stainless steel sump box, as large as possible. The sump box shall have matting and drain holes in the floor of the compartment. It shall be capable of holding 50' of 3" DJ hose secured with straps.

The right side running board shall have a 12 gauge stainless steel sump box, as large as possible. The sump box shall have matting and drain holes in the floor of the compartment. It shall be capable of holding 150' of 1.75" DJ hose with nozzle secured with straps.

One (1) 2.5" discharge shall be located on the left side pump panel, and shall be controlled from the operator's panel. The discharge shall terminate with a 2.5" NST 30 degree turn-down with chrome cap and retainer chain.

One (1) 2.5" discharge shall be located on the right side pump panel, and shall be controlled from the operator's panel. The discharge shall terminate with a 2.5" NST 30 degree turn-down with chrome cap and retainer chain.

One (1) 4" Akron full flow discharge shall be located on the right side pump panel, and shall be controlled at the pump operator's panel. Discharge shall terminate with a 4" NST x 5" 30 degree Storz adapter, with blind cap and retainer chain. The discharge will be equipped with an Akron gear-actuated valve, using a handwheel.

The pump shall be equipped with a master drain that will have the capacity to drain all lines and main pump at the same time. The master drain will be mounted on the left side panel and will be readily accessible.

All side discharges and auxiliary suction drain valves shall be 3/4" brass drain valves with chrome-plated lift lever handles and ergonomic grips. The drain valves shall be located in the lower portion of the pump panels. All other discharges shall have 3/4" automatic bleeder drains.

INDEPENDENT PUMP MODULE

The pump module shall be a self-supported structure, mounted independently from the body and chassis cab. The pump module shall be fabricated and constructed of a welded, tubular, stainless steel framework, properly braced, to withstand chassis frame flexing. The pump module shall be bolted to the chassis frame rails.

GALAX FIRE & RESCUE

PETERBILT ST STL ELLIPTICAL TANKER BID SPEC

The PTO pump shall be mounted directly to the chassis frame rails. The pump, and all of the pump mounted valves, shall be completely enclosed by the pump house design. Stainless panels shall be brushed, satin-finish, 12-gauge, 304 material to ensure longevity. The left side of the pump house shall consist of an upper, hinged panel, containing all required gauges. Gauge panel shall swing out, allowing easy access to service gauges. The lower panel shall contain the specified left side discharges, inlets, drains, and pump controls.

The upper panel right side of the pump house shall consist of double, vertically-hinged access doors. The doors will be swing-open-style with quick-opening latches. A separate, lower panel shall contain the specified right-side-mounted discharges and inlets, and their respective drains. The bottom panel shall be fastened to the pump house with stainless steel bolts, and shall be completely removable.

For valve actuation, the apparatus pump panel shall be equipped with side-mount valve controls. The push-pull, T-handle shall be chrome-plated zinc with recessed labels for color coding and verbiage.

Verbiage label bezels shall be installed. The bezel assemblies will be used to identify apparatus components. These labels shall be designed and manufactured to withstand the specified apparatus service environment.

As a minimum, the following items shall be located on the left side pump panel:

- Individual 0-400 compound discharge gauges shall be provided for all 1.5" or larger discharges
- One (1) -30 to 400 psi master pressure gauge
- One (1) -30 to 400 psi master vacuum gauge
- One (1) engine oil pressure gauge with audible & visual alarm
- One (1) engine water temperature gauge with audible & visual alarm
- One (1) engine voltmeter
- One (1) waterproof engine tachometer
- One (1) master pump house lighting switch
- One (1) engine throttle control
- One (1) relief valve control and open indicator light
- One (1) primer control
- All discharge controls
- One (1) tank fill/pump bypass control
- One (1) tank to pump valve control
- One (1) pump engaged indicator light
- One pump certification plate
- One liquid level meter with sensor in the water tank

GALAX FIRE & RESCUE

PETERBILT ST STL ELLIPTICAL TANKER BID SPEC

Running boards are supported by 1.50" structural stainless steel tubing, welded to the pump house framing, and shall be able to support a minimum of 500 pounds. The running board stepping surface will comply with the latest version of NFPA 1900.

Bright, polished, removable trim rings shall be installed around all panel-mounted suction inlets and discharge outlets. The trim rings shall be bolted in place with flush stainless steel screws.

Bright, polished trim rings shall also be installed around the master gauges and each individual pressure gauge. The trim rings shall be bolted in place with flush stainless steel screws.

The trim rings shall incorporate color-coded identification labels and warning labels where required.

The side-mount pump panel shall be illuminated by four (4) TecNiq (model E10-W000-1) 6.00" LED lights with clear lens. Lights shall be mounted across the top of the gauge panel, and shall be protected by a full-width, polished stainless steel shield. Lights are controlled by a panel-mounted master light switch. One (1) side pump panel light shall be illuminated when the pump is shifted into gear from inside the cab, affording the operator illumination when first approaching the control panel.

The master intake and master discharge gauges shall be 4" diameter pressure gauges. A polished stainless steel bezel shall be provided to prevent corrosion and protect the lens and gauge case. The vacuum gauge shall display a range from 30-0- 400 psi and the discharge gauge shall display a range from 0 to 400 psi

The discharge valve gauges shall be 2 ½ " diameter pressure gauges. A polished stainless steel bezel shall be provided to prevent corrosion and protect the lens and gauge case. The gauges shall display a range from 0 to 400 psi, with black graphics on a white background.

An Innovative Controls SL-10 Series (or equal) tank level monitor system shall be installed on the pump operator's panel.

An Innovative Controls SL Series (or equal) tank level monitor remote slave display shall be installed on the right side pump panel.

An Innovative Controls SL Series (or equal) tank level monitor remote, cab-mounted mini slave display shall be installed in the cab dash or center console.

There shall be one (1) Whelen Strip-Light Plus XL (or equal) tank light, surface-mounted within a chrome bezel. The light will be mounted vertically on the rear of the tank, drivers side.

GALAX FIRE & RESCUE

PETERBILT ST STL ELLIPTICAL TANKER BID SPEC

A non-emergency air outlet with a male quick coupler shall be installed on the left pump panel. The outlet will be plumbed to the chassis auxiliary air tank and will include a pressure protection valve set at 70 PSI.

An air horn button shall be installed on the pump operator's panel.

REAR DIRECT TANK FILLS

Two (2) 3.0" Akron Brass style 8830 fill valves shall be provided, one each side of the rear dump. The fills shall terminate with a 2.50" 30-degree chrome elbow, with chrome plug with retainer chain. A 3/4" bleeder will be installed on each fill. The valves shall be mounted as low as possible, preferably approx. 12" above the rear step.

DUMP VALVE-10" NEWTON ELECTRIC ACTIVATED

One (1) Newton model 1070-34C 10" square stainless steel dump valve shall be provided and installed centered on the rear of the unit in the lowest portion of the tank. The valve will be electrically activated with three (3) control switches located:

- One (1) in the cab
- One (1) on the left rear of the unit
- One (1) on the right rear of the unit

A Newton model 6012SW-34 Stainless steel swivel chute will be provided and attached to the rear dump valve. The adapter will swivel 180 degrees. A model 4036 stainless steel slide extension will be attached to the swivel.

UPF POLY ELLIP-T FIRE FIGHTING TANK

The Ellip-T Poly-Tank® shall be manufactured by United Plastic Fabricating Inc. and have a rated capacity of 3000 U.S. gallons. A fill tower shall be located at the mid-point of the tank, and shall have a minimum 8" vent/overflow pipe which is to be internal to the tank, and shall terminate behind the vehicle's rear-most axle. A sump shall be provided at the front underside of the tank along the tank's longitudinal centerline with a 3" NPTF clean-out port provided in the floor of the sump. An anti-swirl device, in the form of a horizontal plate, will be provided internally to avoid cavitation over the sump during rapid evacuation. A 3" NPTF tank-to-pump suction connection shall be provided in the forward wall of the sump for the front tank to pump line. A discharge sump shall be incorporated at the rear of the tank which will provide a mounting surface for a dump valve.

GALAX FIRE & RESCUE

PETERBILT ST STL ELLIPTICAL TANKER BID SPEC

The tank shall be mounted to the truck chassis, utilizing a structural tubular stainless steel subframe which provides a properly cushioned mounting surface for the tank. Captive mounting brackets, adequately sized for the tank, shall be provided to attach the tank to the subframe, utilizing a cushioned isolator for positive and negative vertical retention meeting the UPF requirements.

The exterior portion of the tank that is visible shall be jacketed by a 20 gauge mirrored finish stainless steel to provide an aesthetically pleasing appearance. The elliptical portion and both heads of the tank shall be jacketed with 16 gauge 304 stainless steel sheet. Styrofoam filler panels shall be fastened to the outside of the tank shell to provide internal support for the stainless steel jacket. The jacket shall be held in constant tension and attached to the tank utilizing stainless steel hardware.

The exterior vertical surface and the fill tower lid shall be completely overlaid with satin finish stainless steel trim.

STAINLESS STEEL BODY & COMPARTMENT CONSTRUCTION

The complete apparatus body and subframe shall be fabricated of 12 gauge, type-304-grade stainless steel sheeting. All body and compartment components shall be break-form design. This shall include compartment floors, side walls, and ceilings. Compartments shall be formed from a single sheet of metal when possible. The exterior of the compartments shall be solid-seam welded. The corner seams shall be caulked with gray silicone caulking. All burrs shall be removed to eliminate sharp edges. Interiors of compartments are to be left natural stainless steel with a swirl or DA finish applied.

Compartment floor supports shall be provided, fabricated of 12 gauge stainless steel. Support members measuring 2.00" x 4.00" shall be installed under the compartment floors. The supports shall be formed, U-shaped sections that will extend the full width beneath the compartment floors.

A 1.50" x 3.00" stainless steel tubular subframe shall be fabricated to support the body and tank. Structural stainless steel rails shall run the full length of the body, across the top of the chassis frame rails. Stainless steel cross members measuring 3.00" shall be utilized to ensure rigidity, with cross members being spaced no more than 24" apart.

No mild steel shall be used in the body or pump house structure or subframe. **NO EXCEPTION**

All stepping, standing, and walking surfaces on the body shall meet NFPA 1900 anti-slip standards.

Twelve gauge stainless steel wheel wells shall be an integral part of the body construction. Wheel wells and cabinetry shall be designed so road debris will not be trapped on top of the cabinets.

GALAX FIRE & RESCUE

PETERBILT ST STL ELLIPTICAL TANKER BID SPEC

Full, one-piece, circular, 24"-deep stainless steel wheel well liners shall be installed. The fender flares shall be bright polished stainless steel and shall be attached to the wheel well using stainless steel bolts.

All fasteners used in securing components to the body shall be type 304 stainless steel.

Body compartments shall have a minimum of two (2) 4" louvered stainless steel vents per compartment. They shall be installed in the rear wall of each compartment, in a fashion to prevent foreign matter and water from entering. Duckbill-type rubber floor drains will be installed in the corners of the lower compartment floors.

Two-inch-wide vertical beavertail supports shall be fabricated and attached to connect the rear bumper and the rear vertical panel.

A stainless steel ladder, fabricated of rolled stainless steel tubing, shall be provided on the driver's side front of the apparatus for access to the top of the tank and the tank manway. The ladder shall be curved to the shape of the tank, and shall be attached to the tank outer wrap only. All rungs are to be knurled, non-slip for safety and NFPA compliance.

Suction hose compartments, fabricated of 12 gauge stainless steel, shall be provided on each side of the apparatus. Each compartment shall be capable of holding a 6" x 10' length of suction hose. Each compartment shall also include a 2" diameter stainless steel tube capable of holding various lengths of pike poles. Rear, vertically-hinged, aluminum diamond plate doors shall be installed on each hose tube, using stainless steel piano hinges with Southco E3-17-22 all-stainless-steel door latches. Doors shall be wired to the door-ajar circuit.

Two (2) compartments shall be fabricated and installed, one (1) each side, forward of the rear axle. Compartments shall have double vertically hinged doors.

Approximate Dimensions: 44.25" High x 28.00" Deep x 58" Wide

Door Opening: 40.75" High x 52.50" Wide

The rear bumper shall be fabricated of 1.50" x 1.50" and 1.50" x 3.00" structural stainless steel tubing. The bumper shall be a fully-welded design, and shall be welded to the rear side body compartments. The rear bumper shall be 18.00" deep and shall run the full width of the vehicle.

The rear bumper step shall be constructed of 1.50" high open aluminum grating. The outer edges of the step will be trimmed with aluminum diamond plate. The bumper stepping surface will comply with the latest version of NFPA 1900.

GALAX FIRE & RESCUE

PETERBILT ST STL ELLIPTICAL TANKER BID SPEC

Two (2) stand-up rolled hose trays shall be provided on the rear step to hold fill hose. Each tray shall hold a rolled 50 foot section of 3" DJ hose. Straps shall secure the hose.

The top of all side body compartments shall be covered with aluminum diamond plate. Top overlay edges shall be angled downward and extended over the outer body panel approximately 1.00". This treadplate shall be an overlay and shall not be the compartment top. **NO EXCEPTION**

The stainless steel rear body panel below the tank shall have a painted finish.

The exterior sides of the beavertails shall be painted. The interior sides of the beavertails shall be covered with aluminum diamond plate.

Front exterior wall of the front compartments shall be covered with aluminum diamond plate.

The front of the pump house shall be covered with aluminum diamond plate.

Rub rails shall be provided and installed below each side compartment. The rub rail assembly shall be constructed of heavy-duty, 14-gauge, 304-grade stainless steel tubing with black end caps and will be DA finished. Rub rails shall be bolted to the lower exterior edge of the apparatus body, with 0.50" nylon spacers installed between the body and the rub rail.

Access hand rails shall be constructed of 1-1/4" in diameter extruded aluminum tubing with ribbed rubber inserts. Access rail escutcheons and brackets shall be chrome-plated, and shall be attached with stainless steel bolts.

Two (2) 12" long hand rails shall be mounted vertically, one (1) each side, near the pump panel, to allow easy access to the dunnage area.

Four (4) folding steps shall be provided and installed, two each side on the forward compartments. The folding step shall be spring-loaded to hold the step in the upright, stowed position while in transit, and when not in use. The step shall include a white LED step light.

WHEELWELL STORAGE

One (1) spare SCBA cylinder compartment shall be provided in the left/forward position of the rear wheel well area. The compartment will be capable of holding two (2) spare SCBA cylinders. The compartment shall be fabricated of stainless steel and shall be lined to prevent vibration. The compartment shall have a drain hole in the floor.

GALAX FIRE & RESCUE

PETERBILT ST STL ELLIPTICAL TANKER BID SPEC

One (1) spare SCBA cylinder compartment shall be provided in the left/aft position of the rear wheel well area. The compartment will be capable of holding two (2) spare SCBA cylinders. The compartment shall be fabricated of stainless steel and shall be lined to prevent vibration. The compartment shall have a drain hole in the floor.

One (1) spare SCBA cylinder compartment shall be provided in the right/forward position of the rear wheel well area. The compartment will be capable of holding two (2) spare SCBA cylinders. The compartment shall be fabricated of stainless steel and shall be lined to prevent vibration. The compartment shall have a drain hole in the floor.

One (1) spare SCBA cylinder compartment shall be provided in the right/aft position of the rear wheel well area. The compartment will be capable of holding two (2) spare SCBA cylinders. The compartment shall be fabricated of stainless steel and shall be lined to prevent vibration. The compartment shall have a drain hole in the floor.

The wheel well spare bottle compartments, where specified, will have vertically-hinged, painted, stainless steel doors with Southco all-stainless-steel door latches. The doors shall be labeled: "SPARE SCBA CYLINDER". Doors shall be wired to the door ajar circuit.

Two (2) air pack SCBA storage compartments shall be provided and located one (1) each side in the wheel well teardrop areas. Compartments will be constructed of stainless steel and shall be lined to prevent vibration.

The compartments will have stainless steel, vertically-hinged doors with twist lock latches. The doors shall open toward the front of the body. The doors shall be painted job color. The doors shall be wired to the door ajar circuit. The compartment shall be labeled: "SCBA PACK".

COMPARTMENT INTERIOR OPTIONS

A total of two (2) adjustable shelves shall be provided and installed in the GFRD specified locations. Shelf construction, where specified, shall be rigid 3/16" aluminum with 2" lip on the front and rear. The shelving shall be adjustable by means of a threaded tightener that slides in a track to allow precise height adjustment. All tracking will be stainless steel uni-strut.

A total of two (2) compartment dividers will be mounted in the GFRD specified locations. Dividers will be fabricated of 3/16" aluminum and will be permanently fastened to the compartment with threaded fasteners.

Two (2) Accuride slide-out trays shall be provided and installed in the GFRD specified compartments. Each tray shall have a minimum capacity of 300 pounds in the fully-extended position.

GALAX FIRE & RESCUE

PETERBILT ST STL ELLIPTICAL TANKER BID SPEC

Trays will lock, automatically, in the open and closed positions. Manual-type locks will not be accepted.

All compartment floors, shelves, and trays shall be lined with black Mateflex 13" X 13" x 9/16" interlocking tiles (or equal). Compartment floors shall have tapered edging at front compartment opening.

COMPARTMENT DOORS

Doors to be fabricated of 304 grade stainless steel and provide the maximum compartment depth. Each door is to have closed-cell rubber seal to provide a weatherproof seal between the door and compartment. The compartment doors shall pivot on full length stainless steel piano hinges with a 3/16" pin diameter. Compartment doors will have stainless steel flush bent D-ring handles. Latching mechanism shall be non-locking safety slam positive latch. Gasket material is placed between the door handles and outer door panels to prevent electrolytic reaction between dissimilar metals to protect paint finish. Mechanism is enclosed in stainless steel not exposed to equipment stored in compartment. An inner two-point latch shall be provided on the second door of all double doors with a rubber- covered pull cable, when applicable. Doors shall be covered by the same warranty as the body structure. **NO EXCEPTION**

Bright aluminum J-channel shall be provided over each lower side body compartment, and at the front and rear of the compartment doors.

All vertically-hinged doors shall have power lift, gas-filled cylinders installed. Closure shall assist in the closing of door once it has past the halfway point.

12 VOLT ELECTRICAL SYSTEM

All wiring and electrical equipment shall meet NFPA 1900, (2024 edition,) and SAE standards. A master optical warning device switch that energizes all of the optical warning devices shall be provided. Multiplex wiring systems for the body builders electrical system shall not be allowed so that the GFRD can do their own maintenance after the initial warranty has expired. **NO EXCEPTION**

All wiring to be GXL ultra high-temperature, cross link type. Wiring installed by the builder shall be run in protective split loom where exposed to the outside. Where wires pass through body compartments or panels, grommets, snap bushings, or compression fittings shall be utilized.

All wiring harnesses and associated wiring shall be secured with nylon, ultraviolet-resistant cable ties, or bolted to the body with cable clamps.

GALAX FIRE & RESCUE

PETERBILT ST STL ELLIPTICAL TANKER BID SPEC

Polyolefin "heat shrink" tubing with adhesive or Deutsch watertight connectors shall be used on all exterior wiring connections. Flexible non-conductive polyurethane film shall be sprayed on all terminal studs, relays, starter, batteries, etc., to prevent corrosion.

All wiring shall be protected by automatic-reset circuit breakers, which conform to SAE standards. Any required exterior fuses shall be protected by an environmentally sealed fuse holder. The breakers shall be selected to prevent wire damage when subjected to extreme current overload. Wiring to be color, function, and/or number coded.

An Innovative Controls (or equal) power distribution relay board shall be utilized. The distribution board contains independent switching relays with selectable input polarity. Relays can be connected in either their normally-open or normally-closed positions. The relay board features heavy-duty components, visual diagnostics, and load management inputs. The system is user-friendly for trouble shooting.

A wiring diagram for the body electrical system shall be included with the apparatus.

The electrical junction box for all 12 volt wiring shall be located in a convenient location. It will be recessed into the compartment wall so as not to protrude into the storage area. It shall be protected by a removable access panel. The compartment shall be sealed and weatherproof. All components in the compartment shall have identification tags.

LIGHTING

All required clearance lights shall be provided at the rear and on each side of the unit to meet federal regulations. All lights will be LED-type with a five (5) year warranty.

A Trucklite model 60072Y (or equal) amber LED turn signal light with stainless steel flange shall be mounted, one (1) each side, in rear wheel well area.

Four (4) step area lights shall be provided, one (1) mounted each side, on the front compartment face to illuminate the panel running board steps, and two (2) mounted at the rear of the unit to illuminate the rear tailboard step. These lights shall be activated when the parking brake is applied. When 3SCOCDCR series (or equal) 3.00" round LED lights shall be utilized. Depending on body application, the lights will either be mounted in a rubber grommet or surface mounted with a chrome flange.

A red, flashing light shall be located in the driving compartment, and shall be illuminated automatically whenever the apparatus parking brake is not fully engaged **and:**

- any passenger or equipment compartment door is open
- Any ladder or equipment rack is not in the stowed position

GALAX FIRE & RESCUE

PETERBILT ST STL ELLIPTICAL TANKER BID SPEC

- Any other device is opened, extended, or deployed that creates a hazard or is likely to cause damage to the apparatus if the apparatus is moved.

The light shall be marked "DO NOT MOVE APPARATUS WHEN LIGHT IS ON".

One (1) Trucklite model 15055 (or equal) LED license plate light and bracket shall be provided on the rear of the unit.

All warning light switches shall be mounted in the cab in a readily accessible location. A master switch and individual switches to be provided to allow preselection of lights. The light switches are to be "rocker" type with an internal indicator light to show when the switch is energized. All switches to be properly identified and mounted in a removable panel for ease in servicing. Identification of the switches shall be done by either printing or etching on the switch panel.

Two (2) Whelen model M6BUW Super LED backup lights

Two (2) Whelen model M6BTT series Super LED Brake/Tail lights

Two (2) Whelen model M6T series Super LED arrow directional turn signal lights

The backup lights, stop/tail lights, and directional lights along with rear lower level warning lights shall be installed on the lower rear face of the unit and shall be recessed in chrome plated flange.

Each light in the quad cluster shall have a clear lens.

SoundOff Signal model ECVCLLED21 (or equal), 21" LED compartment lighting shall be provided in each compartment. The lighting shall be mounted behind the door hinge on each side of the compartment. All compartment lighting shall be automatic by the opening and closing of the door. All main apparatus body compartments shall have door ajar switches.

There shall be an electronic beeper that sounds when the truck is placed in reverse gear. The beeper shall be heard over all engine noise by persons near or on the truck.

The apparatus shall be equipped with lighting capable of providing illumination at a minimum level of two (2) foot candle on ground areas within 30.00" of the edge of the apparatus in areas designed for personnel to climb onto the apparatus or descend from the apparatus to the ground level. Lighting designed to provide illumination on areas under the driver and crew riding area exits, which shall be activated automatically when the parking brake is set as well as a separate cab rocker switch. Lights shall be installed in a manner that illuminates all walkways and steps for safe operation of the apparatus.

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TecNiq E10-WSOO-1 (or equal) 6.00" LED lights mounted in a stainless steel bracket shall be utilized.

*One (1) light located each side under the cab steps.

*One (1) light located each side under the panel running boards.

*Two (2) lights mounted under the rear step.

One (1) SoundOff model ECVCSLLED10-10" LED pump compartment light (or equal) shall be provided within the pump enclosure. The control switch shall be located on the pump operators panel.

There shall be a TecNiq E18 (or equal) high output utility light with switch, mounted inside the engine compartment to provide sufficient lighting for vehicle maintenance.

There shall be two (2) Whelen 3SCOCDCR series (or equal) 3.00" round LED lights provided and mounted on the front tank head facing the crosslay area to provide adequate illumination of this area. The lights will be activated when the parking brake is applied.

The apparatus shall be equipped with an Innovative Control Electrical Load Manager (ELM) (or equal) for performing electrical load management. The ELM shall have 16 programmable outputs to supply warning and load switching requirements. Outputs 1-12 shall be independently programmable to activate during the scene mode, the response mode, or both.

All warning and scene lights shall be the Whelen brand. **NO EXCEPTION**

A Whelen Freedom IV model F4N0VLED 60" lightbar shall be mounted centered on the front of the cab roof. The lightbar shall feature four (4) corner Red Linear-LEDs and ten (8) front Linear LEDs (6) Red & (2) Clear lights. The lightbar shall feature a GTT Strobe Opticom Emitter in the center with a separate cab cut-off switch. The clear lights shall be disabled when the parking brake is engaged.

Two (2) Whelen M9 Red Super LED lights with chrome bezels will be mounted one each side on the upper front side corners of the body.

Two (2) Whelen M9 Super Red LED lights with chrome bezels will be mounted one each side on the upper rear side corners of the body.

Two (2) Whelen M9 Red Super LED lights with chrome bezels will be mounted on the upper rear of the body.

The upper level Red lights shall have clear lenses.

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Four (4) M7 series Super RED LED lights with chrome bezels mounted on the front grille, one in each corner.

Two (2) M7 series Red Super LED lights with chrome bezels mounted one (1) each side on the front lower corner of the cab fenders.

Four (4) M7 Red series Super LED lights with chrome bezels mounted two (2) each side in the rear body fender area. one centered above each axle.

Two (2) M7 series Red Super LED lights with chrome bezels mounted one (1) each side on the rear step beavertail.

Two (2) M6 Red Super LED lights mounted on the lower rear of the apparatus in M6FCV4 chrome housing.

The lower level Red lights shall have clear lenses.

Two (2) TecNiq model E61-WS00-1 (or equal) LED surface lights shall be provided and mounted one each side in the rear fender area to provide side lighting toward the rear of the apparatus. Each light produces 1400 lumens. The lights shall be mounted in polished stainless steel housings. These lights shall be wired to activate with the backup lights.

There shall be two (2) Britax flex arm double face marker lights provided and mounted one each side of the rear bumper. They shall be illuminated whenever the clearance lights are turned ON.

CAMERA SYSTEM

The apparatus shall be equipped with a Voyager Observation system. The system shall help prevent common backing accidents by allowing the driver to see what is behind the apparatus. The rear camera will activate automatically when the transmission is shifted into reverse. The system shall include a Voyager AOM713WP 7" Color Tri-View heavy duty Monitor mounted in the cab and a VCCS130 Voyager color camera shall be mounted on the rear of the vehicle and the right side camera in the customer specified location determined at the pre-paint inspection.

The right side camera shall activate automatically with the right side turn signal function.

Monitor System Includes:

7" Wide Format, Heavy Duty Color LCD Panel
Waterproof housing

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Backlit controls
Integrated audio speaker
NTSC and PAL video signal compatible
Three camera (A/V) inputs
Manual (pushbutton) or automatic (trigger) source selection
Turn-signal (pulsed DC) compatible trigger inputs (AV2, AV3)
Auto power on (standby)
Day/Night brightness modes
On Screen Display (OSD) for AV source, picture adjustment and volume level
Non-volatile memory for picture and volume adjustment settings
Anti-glare/Anti-scratch protective lens
Removable sun-visor included

Camera System includes:

Built-in microphone. (Rear Camera Only)
LED enhanced low-light performance and image orientation selector switch.

AUDIBLE WARNING OPTIONS

A Whelen Model 295SLSA1 electronic siren amplifier shall be provided and installed in the cab within reach of the officer and driver. One (1) 100 watt siren speaker shall be recess mounted in the front bumper.

One (1) Federal Signal Q2B siren model #Q2B-012NNSD electro-mechanical siren shall be provided. The siren shall be active only when the master warning switch is on, to prevent accidental engagement. A momentary siren brake rocker switch shall be provided in the switch panel on the dash. The motor of the Q2B siren shall be recess-mounted in the front bumper. The front of the siren shall extend approximately 4.50" forward, beyond the end of the bumper. The Q2B grill shall be internally backlit with Red LED lights and wired to the chassis headlight switch for activation.

There shall be a Linemaster SP-491-S119 momentary floor mounted foot switch provided for Q2B siren operation and installed on both the driver and passengers side floor in the cab.

(4) Buell Train Tone air horn set shall be provided and installed on the apparatus. All horns will be hidden and not mounted on the exterior of the hood/bumper. The air horn activation shall be accomplished through a center ceiling mounted lanyard cable accessible to the driver and officer.

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There shall be a three-way selector switch provided, which shall switch from electric horn to air horn, or to siren. The electric horn shall sound by default when the selector switch is in either position to meet FMCSA requirements.

SCENE LIGHTS

Six (6) Whelen model M9LZC Super-LED, 24 diode white scene lights will be installed on the upper sides and rear of the tank, two (2) located each side of the tank, one (1) at the front and one (1) at the rear, and two (2) located on the rear tank head.

Lights will be controlled by three individual switches located in the cab. Rear lights will also be activated when the unit is put into reverse gear.

One (1) 44" long forward-facing Whelen Pioneer Summit S44MW brow light with built-in amber identification lights shall be installed under the Freedom light bar. The internal marker lights shall not be wired to activate.

Two (2) Whelen Pioneer Plus PCH2P LED side mount push-up telescopic light with Proclera optics shall be installed. The model 86930NB4 light pole shall be anodized aluminum and have a knurled twist lock mechanism to secure the extension pole in position. The extension pole shall rotate 360 degrees. The outer pole shall be a grooved aluminum extrusion and qualify as an NFPA compliant handrail. The pole mounting brackets shall have a 3" offset. Wiring shall extend from the pole bottom with a 4' retractile cord. A control switch for each light will be located in the cab. Floodlights shall be mounted one each side of the pump house at the front ahead of the crosslay.

PAINT AND PREPARATION

All metal surfaces will be properly sanded, prepared and finished ready for our Axalta Coating Systems (or equal) pretreatment. This is done to insure optimum adhesion, corrosion resistance, and durability. After pretreatment, 1220S Axalta Coating Systems 5000 URO primer filler is applied designed to fill any minor surface defects and provide an adhesion layer between the pretreatment and the Imron Base Coat/Clear Coat. This is also applied to improve color gloss, retention, and durability of the paint. Next the URO primer will be sanded to a smooth pre-painting surface. The surface will be decontaminated and prepared for application of High Solids Axalta Coating Systems Productive Base Coat/Clear Coat finish to complete the finished paint process. A full inspection is performed of Defects, Depth Imagery, Gloss, Film Build, Color Match and Texture, all to meet or exceed Axalta Coating Systems OEM fleet finish specifications. Body assemblies that cannot be finish painted upon assembly shall be painted prior to finish assembly. All doors are removed and painted separate from the body. Prior to reassembly and reinstallation of lights, handrails, door hardware, and

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any miscellaneous items; a gasket material or silicone sealant shall be applied to prevent damage to the finish painted surfaces and to protect against electrolysis between dissimilar metals.

Touch up paint shall be provided for each color paint used.

The complete apparatus body will be painted a single-color Red. The cab shall be painted White over Red. Cab paint break line shall be determined at the pre-construction meeting.

Upper Cab Paint Color: White - Paint # _____ (Match Pierce #10)

Lower Cab & Body Paint Color: Red - Paint # _____ (Match Pierce #90)

LETTERING / GRAPHICS

Lettering shall be provided as directed by the GFRD. It shall be computer generated, non-reflective, Silver vinyl lettering with a black border. Included will be a maximum of sixty-five (65) three (3) inch letters.

Additional 10.00" computer generated, Silver Reflective letters with a black border shall be provided as follows:

* "CITY OF GALAX" - ON REAR OF TANK, ARCHED

* " FIRE DEPT" - ON REAR OF TANK, STRAIGHT

A 4" wide White reflective stripe shall be applied to the unit in a straight line. A 1/4" Silver stripe shall be provided along the upper and lower edge of the White stripe.

A pair of "Z's", one each side of body, shall be provided in the reflective 4" striping layout.

Two (2) emblems crosses shall be provided, one (1) each side as directed by GFRD. Emblems will be computer generated, non-reflective, Silver Metallic Acrylic Vinyl Applique with a black border.

The cab doors shall have a minimum of 96 square inches of reflective material affixed to the inside of each door per NFPA 1900, 2024 edition, section 12.8.3.

50 percent of the rear-facing vertical surfaces, visible from the rear of the apparatus shall be equipped with retroreflective striping in a chevron pattern sloping downward and away from the centerline of the vehicle at an angle of 45 degrees. Each stripe shall be 6" in width. Included will be the entire rear vertical surface of the body.

Diamond Grade Stripe Colors will be Red/White.

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EQUIPMENT

Only the following equipment shall be provided along with any necessary mounting brackets and labor to install the item.

Any equipment specified in the “Minor Equipment” section (e.g. hose, nozzles, adapters, AED, traffic cones, traffic safety vests, etc.) of NFPA 1900 for each apparatus classification which is not specified in this proposal shall be considered to be GFRD supplied.

Two (2) Harrington (or equal) 6" x 10' light weight PVC suction hose with 6" male and 6" long handled female couplers.

One (1) South Park #BS4522AC (or equal) 6" barrel strainer will be provided.

Two (2) Zico AC32 wheel chocks will be provided and mounted under the left front compartment.

Two (2) Survivor model #90509 hand-held lights with 12 volt chargers will be provided and mounted in the GFRD specified locations.

Two (2) set of Kochek style K45-3-KBR (or equal) spanner wrenches shall be provided and mounted in the GFRD specified locations. Each set includes (1) hydrant wrench and (2) spanner wrenches with mounting bracket.

Two (2) sets of Kochek style K46-2-KBR (or equal) spanner wrenches shall be provided and mounted in the GFRD specified locations. Each set includes (2) spanner wrenches with mounting bracket.

One (1) set of Kochek style KS34-KBR (or equal) - Set of four (4) storz wrenches w/holder will be provided and mounted in the GFRD specified location.

The NFPA required Safety Vests will be supplied and installed by GFRD before the truck is placed into service.

The NFPA required traffic cones will be supplied and installed by GFRD before the truck is placed into service.

The NFPA required AED will be supplied and installed by GFRD before the truck is placed into service.

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One (1) 1# bag of assorted miscellaneous stainless steel fasteners that were used in the actual construction of the apparatus shall be shipped with the completed vehicle for use mounting additional equipment by GFRD.

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ATTACHMENT A

GENERAL TERMS AND CONDITIONS

A. **ANTI-DISCRIMINATION:** By submitting a proposal, the offeror represents and warrants to Galax Fire & Rescue Department and City of Galax, Virginia that it will conform to the provisions of the Federal Civil Rights Act of 1964, as amended, the Virginia Fair Employment Contracting Act of 1975, as amended, where applicable, the Virginians with Disabilities Act, the Americans With Disabilities Act, Section 2.2-4311 of the Virginia Public Procurement Act (VPPA), and all other applicable federal, state and local anti-discrimination laws, codes, rules, and regulations. Without limiting the foregoing, during the performance of this contract, the offeror agrees as follows:

1. The offeror will not discriminate against any employee or applicant for employment because of race, religion, color, sex, national origin, age, disability, or any other basis prohibited by state or federal law relating to discrimination in employment, except where there is a bona fide occupational qualification reasonably necessary to the normal operation of the offeror. The offeror agrees to post in conspicuous places, available to employees, notices setting forth the provisions of this nondiscrimination clause.

2. The offeror, in all solicitations or advertisements for employees placed by or on behalf of the offeror, will state that such offeror is an equal opportunity employer.

3. Notices, advertisements and solicitations placed in accordance with federal law, rule or regulation shall be deemed sufficient for the purpose of meeting these requirements.

4. The offeror will include the provisions of the above 1, 2 and 3 in every subcontractor or purchase order over \$10,000 in connection with this RFP, so that the provisions will be binding upon each subcontractor or vendor.

B. **DRUG-FREE WORKPLACE:** During the performance of the contract, the offeror agrees to (i) comply with the drug-free workplace provisions of Virginia Code 2.2-4312; (ii) provide a drug-free workplace for the offeror's employees; (iii) post in conspicuous places, available to employees, a statement notifying employees that the unlawful manufacture, sale, distribution, dispensation, possession, or use of a controlled substance is prohibited in the offeror's workplace and specifying the actions that will be taken against employees for violations of such prohibition; (iv) state in all advertisements or solicitations for employees that the offeror maintains a drug-free workplace; and (v) include the provisions of the foregoing clauses in every subcontract or purchase order of over \$10,000 in connection with this RFP, so that the provisions will be binding upon each subcontractor or vendor.

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C. IMMIGRATION REFORM AND CONTROL ACT OF 1986: By submitting its proposal, the offeror represents and warrants that it does not and will not during the performance of this contract employ illegal alien workers or otherwise violate the provisions of the federal Immigration Reform and Control Act of 1986.

D. APPLICABLE LAWS AND COURTS: This solicitation and any resulting contract shall be governed in all respects by the laws of the Commonwealth of Virginia and any litigation with respect thereto shall be brought in a court of appropriate jurisdiction in the City of Galax, Virginia. The offeror shall comply with all applicable federal, state and local laws, codes, rules and regulations.

E. ETHICS IN PUBLIC CONTRACTING: By submitting their proposals, the offeror represents and warrants that its proposal is made without collusion or fraud and that it has not offered or received any kickbacks or inducements from any other offeror, supplier, or subcontractor in connection with their proposal, and that it has not conferred on any public employee having official responsibility for this procurement transaction any payment, loan, subscription, advance, deposit of money, services or anything of more than nominal value, present or promised, unless consideration of substantially equal or greater value was exchanged. Furthermore, the provisions, requirements, and prohibitions contained in Sections 2.2-4367 through 2.2-4377 of the Virginia Code, pertaining to bidders, offerors, contracts, and subcontractors, are applicable to this RFP and any resulting contract, as are the provisions, requirements, and prohibitions contained in Sections 2.2-3100 through 2.2-3131 of the Virginia Code.

F. QUALIFICATIONS OF OFFEROR: The City of Galax Fire & Rescue may make such reasonable investigations as deemed proper and necessary to determine the ability of the offeror to provide the services/furnish the goods as required under this RFP, and the offeror shall furnish to the Fire Department all such information and data for this purpose as may be requested. The Fire Department reserves the right to inspect the offeror's physical facilities prior to award to satisfy questions regarding the offeror's capabilities. The Fire Department further reserves the right to reject any proposal if the evidence submitted by, or investigations of, such offeror fails to satisfy The Fire Department that such offeror is properly qualified to carry out the obligations of the contract and to provide the services and/or furnish the goods contemplated therein.

G. DEBARMENT STATUS: By submitting its proposal, the offeror represents and warrants that it is not currently debarred by the Commonwealth of Virginia, or any city, county, town or political subdivision therein, from submitting bids or proposals on contracts for the type of goods and/or services covered by this solicitation, nor is it an agent of any person or entity that is currently so debarred.

H. NONDISCRIMINATION TOWARDS OFFERORS: A bidder, offeror or contractor shall not be discriminated against in the solicitation or award of this contract because of race, religion, color, sex, sexual orientation, gender identity, national origin, age, disability, status as a service disabled veteran, or any other basis prohibited by state law relating to discrimination in employment or because the

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bidder or offeror employs ex-offenders unless The City has made a written determination that employing ex-offenders on the specific contract is not in its best interest. THE CITY AND THE FIRE DEPARTMENT DO NOT DISCRIMINATE AGAINST FAITH-BASED ORGANIZATIONS.

I. SCC REGISTRATION: Pursuant to Virginia Code § 2.2-4311.2, the offeror must be registered with the State Corporation Commission if so required by Title 13.1 or Title 50 of the Virginia Code or otherwise required by law.

J. MINORITY CONTRACTING: It is the policy of the City to maximize participation by minority and women owned businesses, small businesses, and service disabled veteran businesses in contracting opportunities.

K. AVAILABILITY OF FUNDS: It is understood and agreed by the offeror that the Fire Department shall be bound only to the extent of the funds available or which may hereafter become available for the purpose of the Contract.

L. DEFAULT: In case of failure to deliver goods or services in accordance with the contract terms and conditions or other breach of any resulting contract by the offeror, the City may terminate the contract and/or procure the goods and services from other sources and hold the offeror responsible for any resulting additional purchase and administrative costs. These remedies shall be in addition to any other remedies which the City may have under the contract, at law, or in equity.

M. CONTRACTUAL CLAIMS: The procedure for reviewing and resolving contractual claims and resolving contractual disputes shall be the procedure set forth in Virginia Code § 2.2-4363.C.

N. WARRANTIES: Any services furnished by the contractor under the contract shall be covered by the most favorable warranties provided by the contractor to any customer; the rights and remedies hereby provided are in addition to any and do not limit those otherwise available to the Fire Department. The contractor agrees that if such warranties are in any respect breached, the contractor will pay to the Fire Department the full contract price agreed to by the Fire Department to be paid for the services furnished under the bid or proposal.

O. MODIFICATIONS, ADDITIONS, OR CHANGES: Modifications, additions, or changes to these terms and conditions may not be made except in writing and agreed to by the Fire Department; however, no fixed priced contract may be increased by more than twenty-five (25) percent of the amount of the contract or \$50,000 whichever is greater without the approval of the Fire Department.

P. ASSIGNMENT: The contract may not be assigned, sublet, or transferred without the written consent of the Fire Department.

Q. OWNERSHIP OF DOCUMENTS: Any reports, photographs, negatives, or other documents prepared by the contractor in the performance or obligations under any resulting contract shall be remitted to the Fire Department by the contractor upon completion, termination, or cancellation of the contract. The contractor shall not use, willingly allow, or cause to have such materials used for any purpose other than the performance of the contractor's obligations under the contract without the prior written consent of the Fire Department. The Fire Department shall own the intellectual property rights to all materials produced under any resulting contract. All data submitted to the Fire

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Department deemed to be confidential or proprietary by the contractor, whether as a part of the contractor's proposal or as part of the contractor's work product under a contract with the Fire Department shall be appropriately marked for protection in accordance with the Virginia Freedom of Information Act and the Virginia Public Procurement Act.

R. ENVIRONMENTAL MANAGEMENT: The Contractor will be responsible for complying with all federal, state, and local environmental regulations relating to transportation, handling storage, spillage and any other aspect of providing services specified herein, as applicable. If the Fire Department should have to defend any enforcement action against it relating to the services provided by the Contractor under any contract, the Contractor shall indemnify and hold harmless the Fire Department for any such actions, including reimbursing the Fire Department for all costs associated with defending such actions, attorney fees and costs, and shall correct without cost to the Department any defects or deficiencies found that are directly attributable to the Contractor.

S. NO WAIVER: Any failure of the Fire Department to demand rigid adherence to one or more of the provisions in the contract, on one or more occasions, shall not be construed as a waiver nor deprive the Fire Department of the right to insist upon strict compliance with the terms of the contract.

T. INSURANCE REQUIREMENTS:

- Contractor's Liability Insurance and Indemnification

1. The Contractor shall not commence work under this contract until Contractor has obtained all the insurance required under this paragraph and such insurance has been approved by the Fire Department, nor shall the Contractor allow any Subcontractor to commence work on its Subcontract until the insurance required of the Subcontractor has been so obtained and approved.

2. All insurance policies shall be issued by companies authorized to conduct such business under the laws of the State of Virginia and be acceptable to the Fire Department.

3. The status of the Contractor in the work to be performed by it under the Contract shall be that of an independent Contractor. As such, Contractor shall exercise due care to safeguard against any and all damage, loss or injury to persons or property that may arise, or be incurred, in or during the conduct or progress of said Work and which arises out of the Work.

4. The Contractor shall assume all responsibility for risks or casualties of every description, for any and all damage, loss or injury, to persons or property arising out of the nature of the work; negligence or failure of its employees and Subcontractors to comply with the Contract Documents; arising from action of the elements or from any unforeseen or unusual difficulty. The Contractor shall protect, defend, indemnify and save harmless the Fire Department, and all of its officers, agents and employees; and the Engineer and/or Engineer, as named on the plans and specifications, and its partners, agents and employees from all claims, demands and liabilities of any kind whatsoever in connection with work resulting from any acts of omission or commission chargeable to the Contractor, its Subcontractors and/or their respective duly authorized servants and/or employees. The Contractor agrees that the foregoing indemnification clause shall be insured under its Commercial General Liability policy, which must be endorsed to include Contractual Liability. If

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required by the Fire Department, the Contractor shall produce evidence of settlement by any such action before payment will be made by the Fire Department.

- Compensation Insurance. The Contractor shall procure and shall maintain during the life of this Contract Worker's Compensation Insurance as required by the State of Virginia for all of its employees to be engaged in such work at the site of the project under this Contract and in case any such work is sublet, the Contractor shall require the Subcontractor similarly to provide Worker's Compensation Insurance for all of the latter's employees to be engaged in such work unless such employees are covered by the protection afforded by the Contractor's Worker's Compensation Insurance. In case any class of employees engaged in hazardous work on the project under this Contract is not protected under Worker's Compensation Statute, the Contractor shall provide and shall cause such Subcontractor to provide adequate employer's liability insurance for the protection of such of its employees as are not otherwise protected. The insurance referred to in this paragraph contain provisions waiving underwriters' rights of subrogation against the Fire Department.

- Contractors Commercial General Liability Insurance.

1. The Contractor's Commercial General Liability (CGL) shall be in an amount acceptable to the Fire Department but not less than \$2,000,000.00 per occurrence and \$2,000,000.00 general aggregate per project. The Fire Department must be named as an additional named insured. The coverage must include:

- Commercial Form
- Premises/Operations
- Underground, Explosions, and Collapse Hazard (if excavation, blasting, tunneling, demolition or rebuilding of any structural support of a building is involved or explosion hazard exists).
- Products/Completed Operations
- Contractual Liability Insurance
- Independent Contractors (if any part of the Work is to be subcontracted)
- Broad Form Property Damage
- Personal Injury
- Cross-Liability Coverage

2. Contractor shall maintain products/completed operations coverage with a combined single limit no less than \$2,000,000.00 per occurrence of bodily injury/property damage for a period of at least twelve (12) months following final acceptance of Contractor's work by Fire Department.

3. The insurance required herein and approval of Contractor's insurance by the Fire Department shall not relieve or decrease the liability of the Contractor hereunder.

Subcontractor's Commercial General Liability Insurance. The Contractor shall either (1) require each of its Subcontractors to procure and to maintain during the life of its subcontract, Commercial

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General Liability Insurance of the type and in the amounts specified in Sub-Paragraph c hereof, or; (2) to insure the activities of its Subcontractors in its policy, as specified in Sub-Paragraph c hereof.

Professional Liability Insurance. The Contractor's Professional Liability coverage shall be in an amount acceptable to the Fire Department but not less than \$2,000,000.00 per occurrence and \$2,000,000.00 general aggregate per project. The Fire Department must be named as an additional named insured.

S. Scope of Insurance and Special Hazards. The insurance required under Sub-Paragraphs c and d hereof is a minimum to provide adequate protection for the Contractor and its Subcontractors, respectively, against damage claims which may arise from operations under this Contract, whether such operation be by the insured or by anyone directly or indirectly employed by the insured and, also against any of the special hazards which may be encountered in the performance of this Contract.

T. Proof of Carriage of Insurance.

1. The Contractor shall furnish the Fire Department annually with a certificate of insurance with, where appropriate, permission of the City to occupy, showing the type, amount, class of operations covered, effective dates and dates of expiration of policies. The certificate must indicate that the Fire Department is included as an additional named insured. Such certificates shall also contain substantially the following statement: "The insurance covered by this certificate will not be cancelled or materially altered, except after thirty (30) days written notice has been received by the Fire Department.

2. Contractor shall provide copies of any or all required insurance policies on request of Fire Department.

U. Renewal Requirements. If any of the property or casualty insurance requirements are not complied with at their renewal dates, payments to the Contractor will be withheld until those requirements have been met or, at the option of the Fire Department, the Fire Department may pay the renewal premium and withhold such payment from any monies due the Contractor.

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ATTACHMENT B: CERTIFICATIONS

ANTI-COLLUSION STATEMENT

In the preparation and submission of this proposal, we did not either directly or indirectly enter into any combination or arrangement with any person, firm or corporation, or enter into any agreement, participate in any collusion, or otherwise take any action in the restraint of free competition in violation of the Sherman Anti-Trust Act, 15 USCS Sections 1 et seq., or the Conspiracy to Rig Bids to Government Statutes, Virginia Code Sections 59.1-69.6 through 59.1.69.9. The undersigned hereby certifies that this proposal, any ensuing contract, or any claims resulting from either, is not the result of, or affected by, any act of collusion with, or any act of, another person or persons, firm or corporation engaged in the same line of business or commerce; and, that no person acting for, or employed by, Galax City Council, the City of Galax or Galax Fire & Rescue Department has an interest in, or is concerned with, this proposal; and, that no person or persons, firm or corporation, other than the undersigned, have or are interested in this bid.

Offeror

Date

By: _____

Name: _____

Title: _____

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CERTIFICATION OF INTEREST & RELATIONSHIPS
WITH THE Galax City Council OF GALAX CITY, VIRGINIA,
GALAX CITY GOVERNMENT, AND
GALAX CITY EMPLOYEES

Offeror hereby certifies that neither Offeror, nor any of Offeror's officers, directors, or executive employees maintain a financial or familial relationship with any person acting for, or employed by, The City of Galax, Galax Fire & Rescue Department or the Galax City Council of Galax City, Virginia.

To the extent that such relationships exist, Offeror shall reveal the relationship below by describing the nature of the relationship and identifying the person with whom such relationship exists.

Neither Offeror nor any of its officers, directors, or executive employees maintain a financial or familial relationship with any person acting for, or employed by, The City of Galax, Galax Fire & Rescue, or the City Council of Galax City, Virginia.

The following individuals currently maintain a financial relationship with Offeror.
City of Galax Employee/Department Member's Name:

Position with the City of Galax, or Galax Fire & Rescue Department:

Nature of Relationship: _____

The following individuals currently maintain a familial relationship with Offeror.
Galax Fire & Rescue Department Member's Name:

Position with the City of Galax/Fire Department:

Nature of Relationship: _____

Offeror _____ Date _____
By: _____
Name: _____ Title: _____

GALAX FIRE & RESCUE
PETERBILT ST STL ELLIPTICAL TANKER BID SPEC

DEBARMENT STATEMENT

I certify that the offeror is not currently debarred or otherwise declared ineligible by any public agency from bidding for furnishing materials, supplies or services. I further certify that no principal, officer or director of the offeror has been employed by or associated with any firm which is currently debarred or otherwise declared ineligible by any public agency from bidding for furnishing materials, supplies or services.

I certify that the offeror has never been debarred, or otherwise declared ineligible by any public agency from bidding or furnishing materials, supplies or services. I further certify that no principal, officer or director of the offeror has ever been employed by or associated with any firm which has ever been debarred or otherwise declared ineligible by any public agency from bidding for furnishing materials, supplies or services.

Offeror

Date

By: _____

Name: _____

Title: _____