

TANKER

SPECIFICATIONS

FOR THE

COUNTY OF SUMTER

**SUMTER,
SOUTH CAROLINA**

December 4, 2017

SUMTER COUNTY TANKER

**Proposer
Complies**

Yes No

REQUEST FOR PROPOSALS

Sealed proposals will be received by the Purchasing Director until 11:00 am on Tuesday, January 9, 2018 at which time they will be publicly opened and read aloud. Opening will be held in the Office of the Purchasing Department, Sumter County Administration Building, 13 E. Canal Street, Sumter, South Carolina 29150.

Proposals will be for the purpose of furnishing the County of Sumter with one (1) each new, complete fire truck and related equipment. A copy of the instructions to proposers and specifications are included in this package.

The County of Sumter reserves the right to reject any or all proposals, to waive any or all technicalities and to award the contract as it appears to be in the best interest of the County.

The right is also reserved to hold any or all proposals for a period not exceeding thirty (30) days from the opening thereof.

Questions concerning the equipment specifications may be directed to:

Mr. Robert E. Galloway, Jr. Email: Purchasing@sumtercountysc.org
Sumter County Phone (803) 436-2329
13 East Canal Street
Sumter, SC 29150

All proposals must be submitted to:

Mr. Robert E. Galloway, Jr. Email: Purchasing@sumtercountysc.org
Sumter County Phone (803) 436-2329
13 East Canal Street
Sumter, SC 29150

The package should be marked as specified "**FIRE TRUCK PROPOSAL**".

SUMTER COUNTY TANKER	Proposer Complies	
	Yes	No
<p>Intent of Specifications</p> <p>It will be the intent of these specifications to cover the furnishing and delivery of a complete fire apparatus. These detailed specifications cover the requirements as to the type of construction, finish, equipment, and tests to which the fire apparatus will conform.</p> <p><u>The County of Sumter will issue a Request for Proposal for one (1) tanker on this request.</u></p> <p>The proposer will furnish satisfactory evidence of their ability to construct the apparatus specified.</p> <p>The proposal will be accompanied by a set of manufacturer's specifications consisting of a detailed description of the apparatus, construction methods, and equipment proposed to which the apparatus furnished under contract will conform.</p> <p>These specifications will indicate size, type, model and make of all components parts and equipment, providing proof of compliance with each and every item in the departments advertised specifications. A letter only, even though written on company letterhead, will not be sufficient.</p> <p>Or Equal</p> <p>If there is a brand specific items that you do not use please quote an item that is similar in size, brand, and model. The item will be considered if you provide ample documentation that it is equal.</p> <p>NFPA 1901 Equipment</p> <p>In accordance with the current edition of NFPA 1901 standards, the proposal will specify whether the fire department or apparatus contractor will provide the required loose equipment.</p> <p>Right of Buyer to Reject Proposals for Non Compliance</p> <p>THE PURCHASER HAS THE RIGHT TO REJECT ANY PROPOSAL WHICH DOES NOT MEET THESE SPECIFICATIONS AND IS THE SOLE DECIDER TO DEEM WHICH PROPOSAL IS IN THE BEST INTEREST OF THE PURCHASER.</p>		

SUMTER COUNTY TANKER	Proposer Complies	
	Yes	No
<p>General Design and Construction</p> <p>The apparatus will be designed with due consideration to distribution of load between the front and rear axles. Weight balance and distribution will be in accordance with the recommendations of the National Fire Protection Association.</p> <p>Customer Right of Refusal</p> <p>The County will accept or reject what is in the Best Interest of the County that complies with these specifications</p> <p>Manuals and Service Information</p> <p>THE PROPOSER will supply at time of delivery, complete operation and maintenance manuals covering the complete apparatus as delivered. A permanent plate will be mounted in the driver's compartment which specifies the quantity and type of fluid required including engine oil, engine coolant, transmission, pump transmission lubrication, pump primer and drive axle.</p> <p>Weights</p> <p>The apparatus will be designed with due consideration to distribution of load between the front and rear axles. Weight balance and distribution will be in accordance with the recommendations of the National Fire Protection Association.</p> <p>A detailed weight sheet will be provided with the proposal.</p> <p>Proposal Print to be Included</p> <p>Each proposer will include a print showing the left, right, rear, front, rear and the top of the truck in their proposal.</p>		

<p style="text-align: center;">SUMTER COUNTY TANKER</p>	<p style="text-align: center;">Proposer Complies</p>	
	<p style="text-align: center;">Yes</p>	<p style="text-align: center;">No</p>
<p>Environmental Concerns that the Truck May have to Operate</p> <p>a. Sumter County is experiencing issues where their fire trucks are having to operate in high water from flooding caused by heavy rainfall. We understand there is no room for driver error and negligence when operating the trucks in water deeper than they need to be. We just want to make sure we understand what each vendor can provide.</p> <p>We want the vehicle to be able to operate in water up to 15" deep and at be able to be driven at speeds less than 5 miles per hour and not cause long term damage to the chassis components as well as to the frame, body and cab substructure. Is your vehicle built to this requirement?</p> <p>b. The department is equally concerned with the ability of the motor to not suck water in through the air cleaner when operating in the level of water stated above.</p> <p>c. Each proposer shall state the location of the air cleaner and provide service documents so we can understand the design of the air cleaner being used and its ability to keep from letting water damage in the air cleaner component there by causing possible damage to the engine.</p> <p>Service and Warranty Support from the Dealership</p> <p>To insure full service after delivery, the dealer will be capable of providing service when required.</p> <p>The dealer will show that the company is in position to render prompt service and to furnish replacement parts.</p> <p>The dealership must be actively in the fire apparatus service business and operates in conjunction with a factory authorized service center and parts center capable of satisfying the warranty requirements and parts requirements of the vehicle(s) being purchased.</p> <p>The dealership will provide a service center as well as on the road service vehicles to render service in your station.</p> <p>The dealership will have a staff of factory-trained mechanics, well versed in all aspects of service for all major components of the apparatus</p>		

<p style="text-align: center;">SUMTER COUNTY TANKER</p>	<p style="text-align: center;">Proposer Complies</p>	
	<p style="text-align: center;">Yes</p>	<p style="text-align: center;">No</p>
<p>Service and Warranty Support required from the Manufacturer</p> <p>To provide an additional layer of service support, the Proposer will also own a least two separate service facilities, one located in the northern portion of the US to service both Canada and the northern US states and one in the south to service the southern states.</p> <p>The Proposer will stock inventory dedicated to service and replacement parts to ensure quick response and minimize down time. Furthermore, the manufacturer will house the inventory in a dedicated facility, with a dedicated shipping area that ensures service parts are given priority. The prospective vendor will provide detailed documentation of service and replacement part resources.</p> <p>Does the dealer or Factory provide Parts identification to both the dealer and the Fire Department through an on line web based application for the specific truck reflected in this specification?</p> <p>Access will be granted using the specific VIN number of the vehicle. The online web application will provide the ability to view complete bills of materials, parts drawings, assembly drawings, and access to all current operation, maintenance and service publications.</p> <p>How can the fire department access this site so it can be evaluated as part of the proposal?</p>		

SUMTER COUNTY TANKER	Proposer Complies	
	Yes	No
<p>Service and Warranty Support</p> <p>This site will be set up where the customer can buy his parts direct from the factory 24 hours a day. There will be parts experts available for the customer to talk about his needs while he is on the computer deciding which parts he needs If the proposer provides the site as described above, how is this accessed by the department when evaluating the proposals</p> <p>The manufacturer will set the buyer up a charge account where they can purchase replacement parts for their trucks or other truck the fire department own.</p> <p>The manufacturer will employ a staff of adequate size specifically dedicated to providing customer support and parts for the fielded fleet of vehicles it has produced.</p> <p>The manufacturer will be capable of providing both in-house and on-site service for the apparatus.</p> <p>The factory will have key factory employed service technicians located throughout the United States that can provide additional service support for the dealer and the fire department.</p> <p>The Proposer will offer factory repair and maintenance training classes.</p> <p>The Proposer will employ certified EVT technicians on staff, not only providing technical expertise in the repair of fire apparatus, but also demonstrating the commitment to service after the sale</p> <p>Hose Bed Capacity</p> <p>The hose bed shall have the capacity to store the following hose from the driver side to the officer side.</p> <ul style="list-style-type: none"> • 400 ft. of 2.5" double jacket fire hose that will be pre-connected • 1000 ft. of 5" rubber LDH hose. 		

SUMTER COUNTY TANKER	Proposer Complies	
	Yes	No
<p>Overall Height Restriction The apparatus does not have any overall height restrictions.</p> <p>Overall Length Restriction The unit has no overall length restrictions.</p> <p>NFPA Compliance The builder supplied components of the apparatus shall be compliant with NFPA 1901, 2016 edition.</p> <p>Equipment Capacity Equipment allowance that will be calculated in the weight sheet for this truck shall be 2500 lbs. This allowance is in addition to the weight of the hoses and ground ladders listed in the shop order as applicable.</p> <p>Turning Radius Chart Each proposal shall provide a turning radius chart for these specifications. It shall include the:</p> <ul style="list-style-type: none"> • Wheel base being proposed • Front tires • Axles being provided • Overall Length of the truck <p>Demonstration Unit The County of Sumter and the Sumter Fire Department are interested in the possibility of purchasing a demonstrator fire apparatus. This fire apparatus must be as close as possible to the apparatus that the vender is proposing on this proposal. Please include specifications and pictures for the demonstrator unit that you have available to sell. The proposal on this unit must be good for fifteen (15) calendar days; in order to give the Sumter Fire Department time to inspect the unit and make a decision that is in the best interest of the County of Sumter and the Sumter Fire Department. Submit the proposal on your company's letterhead along with the specifications and pictures of the unit. This proposal will be evaluated on its own merits.</p>		

SUMTER COUNTY FIRE DEPARTMENT - TANKER BID SPECIFICATIONS

PROPOSAL TERMS Proposing Vendor Has Read and Fully Understand the Proposal Terms: YES ___ NO ___

The information contained in this document will reference the minimum specifications for the purchase of one (1) or more custom built mobile water supply apparatus as detailed below. Proposals that are submitted shall reference only one (1) apparatus to avoid any confusion with number of items or equipment that may be included in the event that multiple units of this vehicle are to be purchased.

The following minimum specifications are intended to cover this particular brand new (never used) custom built mobile water supply apparatus and the latest production design of this unit delivered to Sumter County Fire Department.

Any company who does not follow the requirements of these proposal specifications shall be considered non-responsive and shall be disqualified for further consideration.

The final preparations for this apparatus shall be constructed entirely within the Continental United States utilizing every American made material or product available at time of production to meet the specifications of the Sumter County Fire Department.

Each company shall submit their information on the required "**PROPOSAL INFORMATION FORM**" found at the end of this document. Any company who does not complete the required information and include this form with their proposal shall be considered non-responsive and shall be disqualified for further consideration.

Each company shall include one original copy of their proposal and one set of CAD drawings with their proposal. If being delivered by mail, the proposal shall be sealed inside a second interior envelope that is clearly marked "**SUMTER COUNTY FD - TANKER SEALED PROPOSAL**". Any company who does not have the envelope clearly marked as requested shall be considered non-responsive and shall be disqualified for further consideration.

Each subsequent section of the proposal specifications shall contain a check box for each company to identify whether or not they comply 100% with the specification as it has been provided by the Sumter County Fire Department.

Each company shall either check "**YES**" or "**NO**" on each section.

All sections that receive a "**YES**" checkmark shall follow the specification precisely as it has been provided in the proposal specifications.

All sections that receive a "**NO**" checkmark must be accompanied by an explanation in the vendor provided exceptions page attached to the end of their proposal.

Failure to indicate "**YES**" or "**NO**" to any section and failure to fully explain any exception, no matter how minor, may result in immediate disqualification.

All proposals shall be valid for a period of no less than 60 calendar days from the proposal opening date and shall not be withdrawn. The Sumter County Fire Department reserves the right to reject any and all proposal that do not satisfy these requirements and do not meet the specific needs of the department.

EXCEPTIONS TO SPECIFICATIONS

Proposer Complies: YES _NO _

If there are any exceptions or deviations to the original specifications, regardless of how minor they may be, they shall be explained in detail on a vendor supplied sheet attached at the end of the proposal.

In the event that there are exceptions noted, they shall only be acceptable if it is for a superior substitution to the original specification, but according to proposing requirements must be noted as an exception. This type of exception shall not be considered negative toward the company but should be stated for later comparison of all proposal. If no exceptions are noted, the original specifications shall be strictly adhered too at time of final inspection and delivery.

PROPOSAL FORMAT

Proposer Complies: YES _NO _

All proposals submitted for consideration shall be formatted in the **same layout and same order** as the proposal specifications for ease of comparison.

Any proposal that is not presented in this exact order and format will be rejected and excluded for future consideration.

GENERAL INFORMATION

Proposer Complies: YES _NO _

Descriptions and specifications of the following apparatus including the equipment detailed or described herein are intended to outline the design, quality and integrity of this all American manufactured apparatus.

The following specifications are intended to cover only this particular newly constructed custom built mobile water supply apparatus and the latest production design of this unit for the Sumter County Fire Department.

The apparatus shall be constructed entirely within the Continental United States utilizing every American made material or product available at time of production.

APPARATUS FACTORY LOCATION

Proposer Complies: YES _NO _

The apparatus factory location shall be clearly listed in the proposal.

INTENT OF SPECIFICATIONS

Proposer Complies: YES _NO _

It is the intent of these specifications to cover the fabrication and delivery of one custom built extreme duty mobile water supply vehicle to the Sumter County Fire Department as hereinafter specified.

These specifications cover general requirements as to the type of construction and tests to which the apparatus must conform, together with certain details as to finish, equipment, and appliances to which the contractor shall supply and conform.

Minor details of construction and materials where not otherwise specified are left to the discretion of the contractor, who shall be solely responsible for the design and construction of all features.

The apparatus shall conform to the recommendations of NFPA 1901-2016, Standard for Automotive Fire Apparatus, unless otherwise stated in these specifications.

APPARATUS BUILDER INFORMATION

Proposer Complies: YES _NO _

The apparatus builder shall be an all American owned and operated custom builder of fire and rescue apparatus with main offices located in the United States of America. The manufacturing facility shall have been engaged in building fire service vehicles for over 10 years and operate at least a 10,000 sq/ft facility.

Descriptions and specifications of the following apparatus including the equipment detailed or described herein are intended to outline the design, quality and integrity of this all American custom manufactured apparatus.

The following specifications are intended to cover only this particular newly constructed custom firefighting apparatus and the latest production design of this unit.

The apparatus shall be constructed entirely within the Continental United States utilizing every American made material or product available at time of production.

All fabrication and final preparations for this apparatus shall take place at the apparatus manufacturer's main production facility.

FINANCIAL INFORMATION

Proposer Complies: YES _NO _

The County of Sumter is requesting financial information from the fire apparatus manufacturer whose fire apparatus is being proposed in this solicitation. The financial information to be provided is the Company's most recent (2016 or 2017) financial statements provided by their Certified Public Accountant.

APPARATUS SERVICE CENTER

Proposal Complies: YES__ NO _

The apparatus manufacturer shall operate full service maintenance centers with EVT certified technicians to include engine and mechanical repair, preventative maintenance, full capacity fabrication shop, full paint and body shop, fire pump, maintenance and repair, collision repair, electrical service and repair as well as a full service custom graphics shop.

There shall be multiple service centers across the United States that are authorized by the factory to perform service repairs. The authorized service centers shall operate fully capable mobile service vehicles so repairs can be made on site at the convenience of the department.

If there is a service center outside of this current network that the department would prefer to use, the manufacturer shall coordinate service work with any qualified repair station to meet the -specific needs of the department.

FAMA MEMBERSHIP (PREFERABLE)

Proposer Complies: YES _NO _

The apparatus manufacturer may be a current 2017 member of the Fire Apparatus Manufacture’s Association(**FAMA**).

NON-PROPRIETARY PARTS

Proposer Complies: YES _NO _

The finished apparatus shall be manufactured with parts that are commonly used by the heavy duty trucking industry in order to assist the department in the future with cost and availability of replacement parts.

COOPERATIVE PURCHASING

Proposer Complies: YES _NO _

The apparatus manufacturer shall honor the pricing in this proposal for any other agency that wishes to purchase an exact replica of this apparatus through a cooperative purchasing agreement.

Changes of year model, equipment amendments and/or change orders as requested by the organization may incur additional costs.

RE-MOUNTING

Proposer Complies: YES _NO _

The body shall be designed, manufactured and installed on the chassis to allow for complete removal for future re-mounting onto another chassis.

CAD DRAWINGS

Proposer Complies: YES _NO _

There shall be a full set of CAD drawing provided to the department at the time of the proposal opening.

The drawings shall include a minimum of left, right and rear views of the proposed apparatus cab and body. The drawings shall be shown to scale with all apparatus details and dimensions.

Following the pre-build meeting, there shall be an updated set of CAD drawings submitted to the department for final approval

APPARATUS WARRANTY

Proposer Complies: YES _NO _

The finished apparatus shall carry full product warranty as it is provided by the individual component manufacturers. The following minimum warranties shall be included as listed below:

- Overall Apparatus - 1 Year FullWarranty
- Extreme Duty Body Perforation - 10 Year Warranty
- Extreme Duty Sub-Structure Perforation - 20 Year Warranty
- Paint and Finish - 7 Year Pro-Rated Warranty
- ROM Roll Door Mechanical Warranty - 7 Year Warranty
- ROM Roll Door Electrical Warranty - 3 Year Warranty
- Chassis - New Factory Warranty
- Whelan Electrical, Lights, Wiring - 5 Year Warranty
- Misc. Components - Individual Manufacturer Warranties Shall Apply

CAB AND CHASSIS WARRANTY

Proposer Complies: YES NO

The cab and chassis shall be provided with the following minimum warranty:

- Overall Chassis: One (1) Year Warranty
- Engine: Five (5) Year Warranty
- Transmission: Five (5) Year Warranty

All chassis related issues during this period shall be covered under the warranty as provided by the chassis/component manufacturer and not by the apparatus builder.

APPARATUS DELIVERY

Proposer Complies: YES NO

Sumter County Fire Department shall take delivery of the finished apparatus at the factory following the final inspection visit to the plant unless other arrangements are made prior to contract signing.

In order to ensure a proper break-in period on the engine, transmission and driveline components, the apparatus shall be delivered under its own power.

APPARATUS DELIVERY DATE

Proposer Complies: YES NO

The delivery time for the finished apparatus shall be 280 days following execution of the apparatus build contract.

The apparatus build contract shall reference the exact date of delivery if required. The delivery date listed on the contract will be based on the date of contract signing.

DELIVERY TRAINING

Proposer Complies: YES NO

During the delivery process, there shall be a representative on site a minimum of four (4) hours to provide initial instruction in proper operation of all components on the apparatus.

PRE-BUILD MEETING

There shall be a pre-build meeting held between the apparatus manufacturer and representatives of the department to finalize details prior to the start of fabrication.

This meeting shall be held in person or through a teleconference at the discretion of the department.

PERIODIC APPARATUS INSPECTIONS

Proposer Complies: YES _NO__

At any time during the build process, representatives of the department are always encouraged to visit the factory at any time during business hours to check-in on the progress of their new custom built apparatus.

A factory representative may be on site to give updates and let department members see their truck as it is being built.

Appointments are never necessary for these periodic visits, but for safety reasons we do ask that you arrive wearing appropriate clothing in order to enter the fabrication areas.

Eye protection and additional safety equipment will be provided as needed.

PROGRESS PICTURES

Proposal Complies: YES__NO__

The website of the apparatus manufacturer shall be updated with "IN PROGRESS" pictures of all apparatus currently in production.

This allows all department members the opportunity to check-in on their new apparatus regardless of their location or work schedule.

FINAL INSPECTION VISIT

Proposal Complies: YES _NO__

Prior to the delivery process of the new apparatus, representatives from the department will be able to perform a final inspection while the vehicle is still at the factory. This visit shall be at the discretion of the department.

Following the final inspection visit, the vehicle will be available for delivery.

PERFORMANCE TESTS AND REQUIREMENTS Proposal Complies: YES _NO _

A road test shall be conducted with the apparatus fully loaded and a continuous run of ten (10) miles or more shall be made under all driving conditions, during which time the apparatus shall show no loss of power or overheating.

The transmission drive shaft or shafts, and rear axle shall run quietly and be free from abnormal vibration or noise throughout the operating range of the apparatus. Vehicle shall adhere to the following parameters:

- The apparatus, when fully equipped and loaded, shall have not less than 25 percent or more than 50 percent of the weight on the front axle, and not less than 50 percent nor more than 75 percent on the rear axle.
- The apparatus shall be capable of accelerating to 35 mph from a standing start within 25 seconds on a level concrete highway without exceeding the maximum governed rpm of the engine.
- The service brakes shall be capable of stopping a fully loaded vehicle in 35 feet at 20 mph on a level concrete highway. The air brake system shall conform to Federal Motor vehicle Safety Standards (FMVSS) 121.
- The apparatus, fully loaded, shall be capable of obtaining a speed of 60 mph on a level concrete highway with the engine not exceeding the governed rpm (full load).

MANUALS AND SERVICE INFORMATION

Proposal Complies: YES _ NO _

The apparatus manufacturer shall supply, at time of delivery, a minimum of one (1) full set of operational and maintenance manuals covering the apparatus and components as it is being delivered.

A permanent plate shall be mounted in the driver's compartment which specifies the quantity and type of fluid required on the apparatus including engine oil, engine coolant, transmission, pump transmission lubricant, pump primer oil (if applicable), chassis tire pressures, and drive axle lubricant.

GENERAL CONSTRUCTION

Proposal Complies: YES _ NO __

The apparatus shall be designed with due consideration to distribution of load between the front and rear axles, so that all specified equipment and a full complement of personnel will be carried without injury to the apparatus. Weight balance and distribution shall be in accordance with the recommendations of NFPA.

The apparatus shall be designed so that the operator could perform all recommended daily maintenance checks easily without the need for hand tools.

Apparatus components that interfere with repair or removal of other major components must be attached with fasteners (cap, screws, nuts, etc.) so that the components can be removed and installed with normal hand tools. These components must not be welded or otherwise permanently secured into place.

The GAWR and GVWR of the chassis shall be adequate to carry the fully equipped apparatus including unequipped personnel weight and a miscellaneous equipment _ allowance per NFPA criteria. It shall be the responsibility of the purchaser to provide the contractor with the weight of equipment to be carried if it is in excess of the allowance as set forth by NFPA.

The height of the fully loaded vehicle's center of gravity shall not exceed the chassis manufacturer's maximum limit.

The apparatus shall be so designed that the various parts are readily accessible for lubrication, inspection, adjustment and repair. Where special tools manufactured or designed by the contractor and are required to provide routine service on any component of the apparatus built or supplied by the contractor, such tools shall be provided with the apparatus.

QUALITY

Proposal Complies: YES _ NO _

Workmanship and materials provided shall be of a quality unsurpassed for this apparatus.

All components requiring regular maintenance, lubrication and visual inspections shall be readily accessible.

The fire apparatus shall be designed and manufactured for ease of operation and the highest level of safety available.

All aluminum welding shall follow American welding Society and ANSI D1.2-2003 requirements for structural welding of aluminum.

All sheet metal welding shall follow American Welding Society 82.1-2000 requirements for structural welding of sheet metal. Flux core arc welding to use alloy rods, type 7000, American welding Society standards A5.20-E70T1.

Employees classified as welders are tested and certified to meet the American Welding Society codes upon hire and every three (3) years thereafter.

FAILURE TO MEET TEST

Proposal Complies: YES _ NO__

In the event the apparatus fails to meet the test requirements of these specifications on the first trial, second trials may be made at the option of the bidder within 30 days of the date of the first trial.

Such trials shall be final and conclusive and failure to comply with these requirements shall be cause for rejection.

Failure to comply with changes to conform to any clause of the specifications, within 30 days after notice is given to the bidder of such changes, shall also be cause for rejection of the apparatus.

MINIMUM INSURANCE REQUIREMENTS

Proposal Complies: YES _ NO _

The apparatus manufacturer shall defend any and all suits and assume all liability for the use of any patented process including any device or article forming a part of the apparatus or any appliance furnished under the contract.

COMMERCIAL GENERAL LIABILITY INSURANCE

During the performance of the contract and for three (3) years following acceptance of the product, the apparatus manufacturer shall keep in force at least the following minimum limits of commercial general liability insurance:

- Each Occurrence: \$1,000,000
- Products/Completed Operations Aggregate: \$2,000,000
- Personal and Advertising Injury: \$1,000,000
- General Aggregate: \$2,000,000

COMMERCIAL AUTOMOBILE LIABILITY INSURANCE

During the performance of the contract, the apparatus manufacturer shall keep in force at least the following minimum limits of commercial automobile liability insurance:

- Each Accident Combined Single Limit: \$1,000,000

UMBRELLA/EXCESS LIABILITY INSURANCE

- During the performance of the contract and for three (3) years following acceptance of the product, the apparatus manufacturer shall keep in force at least the following minimum limits of umbrella liability insurance:
 - Aggregate: \$1,000,000
 - Each Occurrence: \$1,000,000

CERTIFICATION OF NFPA 1901 COMPLIANCE

Proposal Complies: YES _ NO _

As per NFPA 1901 the purchaser shall assume the responsibility of determining, prior to the purchase of the apparatus which will be responsible for ensuring that all aspects of NFPA 1901 are met. The manufacturer shall be responsible for providing or performing only the items requested by the purchaser in the documents provided to the manufacturer by the purchaser.

Written certification shall be provided by the manufacturer stating that the delivered apparatus complies with the NFPA standard. If the purchaser has elected to provide, perform, outsource and/or contract with a third party, any item required by NFPA (per the previous paragraph)1 the manufacturer shall provide upon delivery, a "Statement of Exceptions". This "Statement of Exceptions" shall include the following:

1. A separate specification of the section of the NFPA Standard for which the apparatus is lacking compliance.
2. A description of the particular aspect of the apparatus that is not compliant.
3. A description of the further changes or modifications to the delivered apparatus which must be completed to achieve full compliance.
4. An identification of the entity that will be responsible for making the necessary post- delivery changes or modifications to the apparatus to achieve full compliance with the applicable standard.

The responsibility shall rest with the purchaser to ensure that the apparatus not be placed into active emergency service until fully compliant with NFPA 1901.

FLUID CAPACITY LABEL

Proposal Complies: YES _ NO _

A permanent placard shall be placed in the driver's compartment specifying the quantity and type of the following fluids used in the apparatus (if applicable) for normal maintenance:

1. Engine Oil.
2. Engine Coolant.
3. Transmission Fluid.
4. Pump Transmission Fluid.
5. Pump Primer Fluid (if applicable).
6. Drive Axle Fluid.
7. Air Conditioning Refrigerant.
8. Air Conditioning Lubrication Oil.
9. Power Steering Fluid.
10. Cab Tilt Mechanism Fluid (if applicable).
11. Transfer Case Fluid.
12. Equipment Rack Fluid (if applicable).
13. Generator System Lubricant (if applicable).
14. Front and Rear Tire Pressures.

OCCUPANCY LABEL

Proposal Complies: YES__ NO _

A permanent plate or label stating the maximum number of personnel allowed to ride on the apparatus at any one time shall be provided and installed in clear view of the driver.

The label shall state "**VEHICLE MAXIMUM SEATING CAPACITY IS TWO (2)**"

The label shall be visible from each seated position.

SEATED AND BELTED LABEL

Proposal Complies: YES__ No__

Permanent plate or label shall be provided stating "**OCCUPANTS MUST BE SEATED AND BELTED WHEN APPARATUS IS IN MOTION**".

The label shall be visible from each seated position.

DO NOT RIDE LABEL

Proposal Complies: YES_ NO__

A permanent plate or label shall be attached to the appropriate areas of the apparatus stating that riding on the rear step or any exterior position on the apparatus is prohibited.

DO NOT WEAR HELMET LABEL

Proposal Complies: YES_ NO__

Permanent plate or label shall be provided stating "**DO NOT WEAR HELMET WHILE SEATED**". The label shall be visible from each seated position.

VEHICLE HEIGHT - WIDTH LABEL

Proposal Complies: YES__ NO__

There shall be a travel clearance warning label located in the chassis cab in easy view of the driver.

The travel clearance warning label to include the following information:

- 1. Overall travel clearance height in feet and inches.
- 2. Overall travel clearance width in feet and inches.

PUMP CERTIFICATION TESTING

Proposal Complies: YES _ NO__

The fire pump, as it is installed on the apparatus, shall receive a full certification test prior to final delivery.

Documentation of the test results shall be provided with the apparatus in the delivery packet.

VEHICLE STABILITY CERTIFICATION

The fire apparatus manufacturer shall provide a certification stating the apparatus complies with NFPA 1901, current edition, section 4.13, Vehicle Stability.

The vehicle shall be equipped with electronic stability control programming.

CHASSIS SPECIFICATIONS

Proposal Complies: YES _ NO__

2018 KENWORTH 1370 OR EQUIVALENT CAB AND CHASSIS

(Acceptable manufacturers-International DuraStar 4300, Freightliner M2 106)

MISSION: Fire Truck Service Application - Heavy Duty

DIMENSIONS: Wheelbase: 204", CA: 137", Axle to Frame: 75"

DIESEL ENGINE: Cummins {Paccar PX-9} EPA 10, 380 HP@ 2009 RPM

ANDRIVE{Horton}Direct Drive Type, Two Speed

RADIATOR, 1,000 Square Inches with Surge Tank

FEDERAL EMISSIONS Compliant

AIR CLEANER Single Element

EMISSION COMPLIANCE Engine Shutdown System Exempt Vehicles,
Complies With California Clean Air Regulations

OBD COMPLIANCE (On Board Diagnostics)

TRANSMISSION: {Allison 3000EVS} 5th Generation Controls; Close Ratio, 6-Speed; With Overdrive, Includes Oil Level Sensor, With Provision for PTO

OIL COOLER, AUTO TRANSMISSION

TRANSMISSION SHIFT CONTROL {Allison} Push-Button Type; for Allison3000&4000 Trans

SHIFT CONTROL PARAMETERS Allison S-1 Performance Programming in Primary and Allison Fixed Programming in Secondary

TRANSMISSION OIL Synthetic

ALLISON SPARE INPUT/OUTPUT for Emergency Vehicle Series {EVS}

Automatic Neutral Feature

Rear Transmission Support System Installed

FRONT AXLE: Wide Track, I-Beam Type, 14,600-lb Capacity

Spring Suspension w/ Shock Absorbers: 14,600-lb Capacity

Air Brake Package

REAR AXLE: Single Reduction, 26,000-lb Capacity

Gear Ratio: 5.38

Spring Suspension: 26,000-lb Capacity

Air Brake Package w/ Locking Feature {Park}

CAB: Conventional

CABINTERIOR TRIM: Deluxe - Silver/Gray Instrument

Panel

SEATBELT WARNING DEVICE Seat Belt Switches and Seat Sensors for all Belted Positions

VEHICLE DATA RECORDER

BUCKET SEAT, DRIVER {National} NFPA Compliant, Air Suspension, High Back With Integral Headrest, Lumbar Support, 2 Position Front Cushion Adjust, 6 to 23 Degree Back Angle Adjust, Dual Arm Rests, 3-Point Restraint

BUCKET SEAT, PASSENGER {National} NFPA Compliant, High Back with Integral Headrest, Tool Box Seat Base, Dual Arm Rests, 3-Point Restraints

GRAB HANDLE {NFPA COMPLIANT} Each Side

MIRRORS Rectangular, 7.00" x 16.00" 8.00" Convex Both Sides, Breakaway Type, Heated Heads Thermostatically Controlled, Power Both Sides, Bright Finish Heads & Brackets

SEAT BELTS All Red

AIR CONDITIONER with Integral Heater & Defroster

INSTRUMENT PANEL GAUGE CLUSTER {English Measurements}

DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

WINDOW, PS POWER and Power Door Locks, Left and Right Doors

SELF CANCELLING TURN SIGNALS with Dimmer Switch

FUEL TANK: 56 Gallon Aluminum Tank

DEF TANK: 11 Gallon Tank - Polished Stainless Steel Cover

PAINT: Single Color - Candy Apple (Fire) Red Chassis

FRONT TIRES: (2) 12R22.5 16 ply

FRONT WHEELS: WHEELS, FRONT DISC; 22.5" Aluminum, 10-StubHubPiloted, Flanged Nut

REAR TIRES: (8) 12R22.5 16 ply

REAR WHEELS: WHEELS, REAR DISC; 22.5 Aluminum, 10-StubHubPiloted, Flanged Nut; Outer Positions

CHASSIS MODEL: 2018 Model T-370

FRONT TOW HOOKS: TOW HOOK, FRONT (2) Frame Mounted Receivers {Removable Insert Hooks}

FRAME RAILS: FRAME RAILS Heat Treated Alloy Steel {120,000 PSI Yield}; 10.625" x **3.50" x 0.312"**

FRONT BUMPER: BUMPER, FRONT Full Width, Aerodynamic, Chrome Plated Steel

BRAKE SYSTEM: BRAKE SYSTEM, AIR Dual System for Straight Truck Applications
 AIR DRYER Standard
 DRAIN VALVE Manual
 AIR BRAKE ABS {Bendix Antilock Brake System} Full Vehicle Wheel Control System with Electronic Stability Control Programming
 Spring Actuated Parking Brake

AIR COMPRESSOR: AIR COMPRESSOR {Cummins} 18.7 CFM Capacity

STEERING WHEEL: STEERING WHEEL 4-Spoke, 18" Diam., Black

STEERING COLUMN Tilting and Telescoping

ENGINE EXHAUST: EXHAUST SYSTEM Single Horizontal, after treatment Device, Frame Mounted Right Side, for Use with Long Tail Pipes

ENGINE BRAKE: ENGINE TURBO EXHAUST BRAKE

ELECTRICAL SYSTEM: ELECTRICAL SYSTEM 12-Volt, Standard Equipment

CIGAR LIGHTER Includes Ash Cup

ALTERNATOR {Leece-Neville} Brush Type; 12 Volt 320 Amp. Capacity, Pad Mount

DATA RECORDER: DATA RECORDER Includes Display

BATTERIES: BATTERY BOX

BATTERY SYSTEM {Paccar} Maintenance-Free, (2) 12-Volt 1400CCA

BATTERY DISCONNECT SWITCH Lever Operated (CAB)

STARTER STARTING MOTOR 12 Volt

INDICATOR LAMPS: INDICATOR, LOW COOLANT LEVEL

INDICATOR, BATTERY WARNING Green BATTERY ON Indicator, Mounted on Left Side of Instrument Panel, to be used with Battery Disconnect Switch

CIRCUIT BREAKERS: CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses Except For 5-Amp Fuses

FRONT GRILL: GRILLE Stationary, Chrome/ Polished

GRILLE EMBER SCREEN Mounted to Grille and Cowl Tray to Keep Hot Embers out of Engine and HVAC Air Intake System

FRONT HOOD: FRONT END Tilting, Fiberglass

CAB PAINT: PAINT Base Coat/Clear Coat, Single Color: Candy Apple (Fire) Red

BACK-UP ALARM

Proposal Complies: YES__NO__

One (1) back-up alarm shall be provided and installed on the apparatus.

The minimum 97db backup alarm shall automatically activate when the apparatus transmission is placed into reverse.

The backup alarm shall exceed all NFPA1901 and SAE J994 Type D requirements and testing.

CAB ACCESS STEPS - KENWORTH

Proposal Complies: YES _ NO__

The cab access steps shall be provided by the chassis manufacturer.

The steps shall be a two (2) step design fabricated from bright aluminum grip strut. The step assemblies shall be supplied from the factory on each side of the cab.

The fuel tank fill cap shall be exposed for refueling and access shall be provided to inspect the chassis batteries when located under the cab.

VEHICLE TOP SPEED - 60 MPH

Proposal Complies: YES _ NO _

The top speed of the vehicle shall be approximately 60 MPH +/-2 MPH at governed engine RPM.

DIESEL FUEL ONLY LABEL

Proposal Complies: YES _ NO _

There shall be a label affixed near the fuel fill well that states: **DIESEL ONLY**

DEF ONLY LABEL

Proposal Complies: YES _ NO__

There shall be a label affixed near the fuel fill well that states: **DEF ONLY**

TIRE PRESSURE MONITORS

Proposal Complies: YES _ NO__

There shall be a tire alert pressure management system provided that shall monitor each tires pressure individually.

A negative change in tire pressure shall be evident of a visible color change on the head of the sensor.

The color change shall be evident when performing the daily truck check.

EXHAUST HEAT SHIELD

Proposal Complies: YES _ NO __

A heat shield shall be installed under the body in the areas where the exhaust system is routed as needed.

TOW HOOKS/PLATES

Proposal Compiles: YES _ NO _

There shall be -front and rear tow hooks/plates provided on the finished apparatus.

The front tow hooks shall be provided as standard equipment on the chassis b u m p e r .

There shall be rear tow plates fabricated from HD structural steel and shall have a minimum 1.25" eye. The plates shall be welded to the chassis frame and shall be located below the rear step bumper.

GENERAL BODY DETAILS

Proposal Complies: YES_ NO __

The entire assembled body shall have an overall length of 14 feet and 6 inches from the front of the body to the rear of the 18" step bumper.

The entire assembled body shall have an overall width of no more than 8 feet and 6 inches.

The entire assembled body shall have an overall height of no more than 10 feet and 0 inches from the ground to the top of the finished body.

All compartments shall be constructed in a sweep out design to be water and dust proof.

Body shall be manufactured for maximum possible storage capacity.

Body and sub-structure shall be a fully formed and welded **ALL** aluminum design for increased strength.

There shall be no steel used in the body structure or s b-frame. **NO EXCEPTIONS**

PAINTED BODY FINISH

Proposal Complies: YES _ NO

The complete outer surface of the body shall be constructed of 3/16", 5052 alloy, smooth aluminum plate which shall provide superior quality and strength that will allow for the proper amount of flexion without the possibility of forming cracks.

The outer surface shall receive a high gloss coating of base/clear paint to match the color of the cab and chassis.

The inner surfaces (including compartments) of the body shall be constructed of 3/16", 5052 alloy, smooth aluminum plate which shall provide superior quality and strength that will allow for the proper amount of flexion without the possibility of forming cracks.

The inner compartment surfaces shall have a Zolatone spatter coating.

13' EXTREME DUTY BODY CONSTRUCTION

Proposal Complies: YES _ NO _

The apparatus body shall be constructed of 3" x 3" x .25" 6061 extruded aluminum tubing, 3/16" 5052 aluminum plate as well as .187" and .125" polished diamond tread aluminum.

The sheet metal (3/16" aluminum) shall be formed and welded to produce smooth symmetrically rounded corners and edges.

The polished diamond tread aluminum plate shall have an embossed, non-slip surface on all walking and standing surfaces.

The body shall be designed and manufactured with tubing and channel reinforcement as necessary for rigidity. Angle shall not be used in any area for structural integrity.

All body parts and attachments shall be fastened with rust resistant fasteners to preclude loosening of bolts and screws and/or the cracking of welded joints.

The body shall be reinforced as necessary where hose reels, hose troughs or ladder brackets are attached.

The body shall be an all welded structure with some components bolted in place. All components shall be constructed to allow the removal of any non-body component for service and/or repair.

The body and components thereof shall be bolted to the frame of the chassis with coated grade 8 automotive u-bolts.

All welds shall be cleaned of any weld residue prior to coating or when presenting a natural finish in order to present a clean appearance on all surfaces.

The front and top of the body shall be covered polished diamond tread aluminum plate to prevent these areas from becoming damaged by road debris.

All seams shall be sealed with silicon based body sealer to prevent seepage of moisture into the covered area.

EXTREME DUTY SUB-FRAME

Proposal Complies: YES _ NO _

The all aluminum integrated body and sub-frame shall assure strength, durability and longevity to provide years of uninterrupted service.

The support system shall consist of individual assemblies fastened together utilizing a jig system for precision welding to insure sturdiness with proper dimensions and minimal distortion.

The Sub-Frame shall be constructed of 3"x3" x.25" 6061, crush resistant, extruded square aluminum tubing running parallel to the chassis frame rails and underneath the full length of the rear.

The 6061 grade of aluminum tubing allows for the minimal and proper level of flexion during operation to prevent the formation of cracks.

This Sub-Frame design is the heaviest built in the industry and shall be welded on maximum spacing distance of 15" center to center.

BODY MOUNTING

Proposal Complies: YES _ NO _

The Sub-Frame shall be bolted to the chassis frame rails with grade 8, 5/8" U-Bolts incorporating shear plates and rubber (anti-vibration) isolation pads as necessary.

The entire assembly shall be constructed and mounted in such a manner to allow for complete removal without the need for any major modifications.

BODY ROOF CONSTRUCTION

Proposal Complies: YES _ NO _

The outer portions of the apparatus body roof shall be an integral portion of the main apparatus body.

NFPA COMPLIANT STEPPING SURFACES

Proposal Complies: YES _ NO _

All exterior surfaces designated as stepping, standing, and walking areas shall comply with the required average slip resistance of the current NFPA standards.

These areas shall incorporate grip-strut or embossed diamond plate aluminum.

FENDERETTES

Proposal Complies: YES _ NO _

An all aluminum polished fenderette shall be installed around both rear wheel openings.

The fenderettes shall have a neoprene welt installed between the trim and the body and shall be bolted in place for easy removal and replacement.

WHEEL WELL LINER

Proposal Complies: YES __ NO__

The rear wheel well shall be lined with a sheet of aluminum to prevent damage to the body from road debris.

The liner shall be riveted or bolted in place for easy removal in the event they become damaged.

REAR STEP BUMPER - 18"

Proposal Complies: YES _ NO _

The tailboard shall be constructed of 1/8" polished embossed aluminum diamond plate. The tailboard shall be a minimum of 18" deep and run the full width of the body.

The exterior sides shall be flanged down for increased rigidity of tailboard structure.

The height from the ground to the top of the step bumper shall not exceed 24" when fully loaded.

AGGRESSIVE WALKING SURFACE

Proposal Complies: YES _ NO _

All exterior surfaces designated as stepping, standing, and walking areas shall comply with the required average slip resistance of the current NFPA standards.

These areas shall incorporate grip-strut or embossed diamond plate aluminum.

MUD FLAPS

Proposal Complies: YES _ NO__

Heavy-duty rubber mud flaps shall be provided behind the rear wheels.

The mud flaps shall be a heavy duty black rubber type for dual wheel trucks. The mud flaps shall be bolted in place.

RUB RAIL

Proposal Complies: YES NO

An aluminum "C" channel rub rail shall be bolted at the bottom of the body, using nylon washers between the metal surfaces, along each side of the body.

The rail shall be approximately 2" tall and extend approximately 1".

The rail shall extend the entire length of the body except between the wheel openings. The rail shall be taper cut on each end for appearance.

The rail shall have a satin finish for a durable finish that resists wear marks.

RUB RAIL REFLECTIVE PANELS

Proposal Complies: YES NO

There shall be a white reflective stripe applied to the interior flat surface of the apparatus rub rail.

The reflective stripe shall meet all FMVSS and NFPA recommendations.

NFPA HANDRAILS

Proposal Complies: YES NO

There shall be NFPA compliant handrails provided in all areas that require climbing on the apparatus.

In the event there is telescoping scene light, ladder or folding step installed in the same location(s), these items may be substituted in an effort to conserve mounting space on the body.

DIAMOND TREAD ALUMINUM BODY GUARDS

Proposal Complies YES NO

There shall be a solid covering of polished diamond tread aluminum in the following locations of the apparatus body:

- Front of Lower Body
- Top of Body Compartments
- Rear Body Between Step Bumper and Dump Valve

COMPARTMENT LOUVERS

Proposal Complies YES_ NO _

Louvered panels shall be installed into each into compartment to aid in ventilation.

The louvers shall be turned in such a way to prevent unwanted water from entering the compartments.

COMPARTMENT CONSTRUCTION

Proposal Complies: YES _ NO _

The compartments shall be constructed of formed and welded 3/16", 5052 formed aluminum plate and shall allow for the proper amount of flexion without the possibility of forming cracks.

All compartment sizes are very close approximations and may vary as much as +/- 3" to accommodate certain chassis features and/or department requested options.

DUAL WALL COMPARTMENTS

Proposal Complies: YES _ NO _

The front and rear lower body compartments shall be constructed with a dual wall for accessing and servicing the electrical system as it is installed on the apparatus.

The removable panels shall be readily accessible and shall be removable with the use of common hand tools.

COMPARTMENT FLOOR TILES

Proposal Complies: YES _ NO _

As standard equipment each compartment shall have interlocking rubberized tiles (Turtle Tile) cut and installed (on the lowest level) in such a manner to provide a cushion to cargo and protect the floor of the compartment.

The tiles shall be readily removed, without the use of tools, for cleaning. The color of the tiles shall be black.

ROLL-UP DOORS - PAINTED FINISH

Proposal Complies: YES _ NO _

Roll-up compartment doors shall be manufactured and assembled in the United States by R-0-M Corporation.

Doors shall be front roll and shall have a painted finish to match the primary color of the cab and body.

There shall be an aluminum drip rail above each compartment door with a non-abrasive seal (or) there shall be a brush seal.

Magnetic door-ajar system must be integrated in lift bar handle and the retainer block to signal open door. No mechanical sensors or switches interior to the compartment shall be used.

Every slat must have interlocking end shoes to prevent slats from moving side to side and binding the door.

Between each slat must be a co-extruded PVC inner seal to prevent metal-to-metal contact and to repel moisture. This inner seal shall not be visible from the exterior to detract from the appearance of the door.

Slats shall have interlocking joints with a folding locking flange to provide security and prevent penetration by sharp objects.

Slats shall be double-wall extrusion 1.366" high by .315" thick. Exterior surfaces are to be flat and interior surface are to be concave to prevent loose equipment from interfering with door operation.

The latch system shall be a one piece full width aluminum lift bar with a two point exterior latch. The latch shall be operable by one hand. A 2" wide finger pull will be integrated into the bottom rail extrusion for easy one hand opening and closing of the compartment door. **NO EXCEPTIONS**

A clip system shall connect the curtain slats to the operator drum which will allow for easy tension adjustments without the use of tools.

Each roll-up door shall have a four inch diameter counterbalance operator drum to assist in lifting the door and assist in the prevention of accidental closure.

Compartment lighting system integrated into door track. Compartment lights shall activate individually when door is opened and there shall not be a master compartment light switch.

Door tracks shall be a one-piece aluminum extrusion that has an attaching flange and finishing flange incorporated into its design.

The drip rail will have a specially designed seal that prevents the seal from scratching the door.

Bottom rail to have a "V" shaped sill to prevent water and debris from entering the compartment.

Each door shall have a rubber seal installed at the outside edge to prevent moisture from entering the storage area.

Bottom rail extrusion must have a smooth back to prevent loose equipment from jamming the door.

COMPARTMENT LIGHTING

Proposal Complies: YES _ NO _

Each body compartment shall be equipped with LED compartment lighting.

The lighting shall be mounted vertically along the side of each door to extend the full height of the compartment.

There shall be one full height light located in each compartment.

Opening the compartment door shall automatically turn the compartment lighting on.

COMPARTMENT L1

Proposal Complies: YES _ NO _

At the very front of the body on the driver side shall be a low-side compartment with a roll-up door.

The door opening shall be approximately 59" wide x 24" high.

The depth of this compartment shall be approximately 25" at the floor.

The compartment interior shall be fully open from the compartment ceiling to the compartment floor and designed so that no permanent dividers are required between the upper and lower sections.

COMPARTMENT L2

Proposal Complies: YES _ NO _

Immediately behind compartment L1 on the driver side of the body, behind the rear axle, shall be a low-side compartment with a roll-up door.

The door opening shall be approximately 25" wide x 24" high.

The depth of this compartment shall be approximately 25" at the floor.

The compartment interior shall be fully open from the compartment ceiling to the compartment floor and designed so that no permanent dividers are required between the upper and lower sections.

COMPARTMENT R1

Proposal Complies: YES _ NO _

At the very front of the body on the officer side shall be a low-side compartment with a roll-up door.

The door opening shall be approximately 59" wide x 24" high.

The depth of this compartment shall be approximately 25" at the floor.

The compartment interior shall be fully open from the compartment ceiling to the compartment floor and designed so that no permanent dividers are required between the upper and lower sections.

COMPARTMENT R2

Proposal Complies: YES _ NO _

Immediately behind compartment R1 on the officer side of the body, behind the rear axle, shall be a low-side compartment with a roll-up door.

The door opening shall be approximately 25" wide x 24" high.

The depth of this compartment shall be approximately 25" at the floor.

The compartment interior shall be fully open from the compartment ceiling to the compartment floor and designed so that no permanent dividers are required between the upper and lower sections.

COMPARTMENT INTERIOR PAINT

Proposal Complies: YES _ NO _

The interior of the equipment compartments shall be painted with gray Zolatone spatter type coating.

The Zolatone coating shall provide an even appearance that resists wear marks and reflects light evenly inside the compartments.

BREATHING AIR CYLINDER STORAGE

Proposal Complies: YES _ NO _

A total of four (4) breathing air cylinder storage compartments shall be provided in the following locations:

- Two (2) in the left rear wheel well
- Two (2) in the right rear wheel well

The compartments shall be constructed of a recessed holding tube and be covered on the exterior with a sealed door with a push button or turn style latch assembly.

The storage compartments shall have a total capacity to contain up to four (4) breathing air cylinders and/or other equipment comparable in size to a breathing air cylinder.

HOSE BED

Proposal Complies: YES _ NO _

The hose bed shall have the following approximate dimensions:

148" Long x 66" Wide x 12" Deep

Flooring of the hose bed shall be integrated into the booster tank and shall have a grooved finish to aid in drainage of water and shall provide a positive stepping surface.

HOSEBED DIVIDER(S) • FIXED

Proposal Complies: YES _ NO _

One (1) hose bed divider(s) shall be provided and installed in the upper apparatus hose bed.

Each divider shall be constructed of a 3/16 aluminum flat sheet with angle fasteners and supports on each side.

All surfaces shall be sanded to a satin finish for uniform appearance and durability.

HOSE BED ACCESS STEPS

Proposal Complies: YES _ NO _

There shall be four (4) folding steps provided at the rear of the apparatus body to access the top portion of the apparatus hose bed.

The steps will have adequate hand holds to ensure the safety of all persons while ascending and descending the apparatus.

Each step shall be NFPA compliant with respect to stepping surfaces and shall have a minimum static load rating of 500-lb.

HOSE BED COVER - VINYL

Proposal Complies: YES _ NO __

There shall be a hose bed cover provided and installed on top of the apparatus body.

The cover shall be constructed from a minimum of 18 ounce HD vinyl and shall be designed to protect the hose load from accidental deployment.

The cover shall be secured to the apparatus with a bungee type retention system. The cover shall be custom fit and fabricated to fit this exact truck.

The color of the cover shall be red.

FOLDING ACCESS STEPS

Proposal Complies: YES _NO _

There shall be a total of four (4) NFPA approved folding steps provided and installed in the following locations:

- Two (2) Folding Steps on the Left Front of Body
- Two (2) Folding Steps on the Right Front of Body Each

Each step shall have a static load rating of 500-lbs.

Each step shall have an integrated LED or shall be lit from adjacent LED lighting to properly illuminate the stepping surface for use during night operations.

LADDER STORAGE BRACKETS

Proposal Complies: YES _ NO _

There shall be ladder storage brackets provided and installed on the finished apparatus that is capable of holding the following ladders:

- 24' Two-Section Extension Ladder
- 14' Straight Ladder

The ladder storage brackets shall have a chrome or polished finish that has a pleasing appearance.

The mounting location of the ladder brackets shall be on the driver side of the body above the low-side compartments.

HARD SUCTION STORAGE TRAYS

Proposal Complies: YES _ NO _

There shall be aluminum hard suction storage trays provided and mounted over the ladders on the driver side of the apparatus.

Each tray shall be sized to contain one (1) 10' section of hard suction hose.

Each hose shall be secured in place with a minimum of two (2) nylon webbing straps with Velcro closures.

FOLDING DUMP TANK STORAGE

Proposal Complies: YES _ NO _

There shall be a folding dump tank storage rack provided and installed on the finished apparatus.

The rack shall be fully enclosed on the exterior sides with a full covering of polished diamond tread aluminum.

The rack shall be sized to hold a 2,100 gallon folding style dump tank.

The rack and dump tank shall be mounted on the officer side of the apparatus body above the low-side compartment.

SHERWIN-WILLIAMS TWO-STAGE PAINT

Proposal Complies: YES _ NO _

After the apparatus body has been fully assembled and all mounting holes, etc. have been punched, machined, or drilled, the apparatus shall be fully disassembled for the paint process.

The apparatus body shall not be mounted on the chassis during the paint process.

All seams or flanges on the apparatus body shall be caulked or properly sealed to prevent moisture accumulation in flanged areas.

PAINT PROCESS

Proposal Complies: YES _NO _

The apparatus body paint procedure shall consist of an eight (8) step finishing process as follows:

1. Manual Surface Preparation: All exposed metal surfaces on the apparatus exterior shall be thoroughly cleaned. All imperfections on the exterior metal surface shall be removed or filled prior to the priming process. All exposed metal shall be thoroughly abraded using a dual orbital air power sander.
2. Cleaning and Treatment: All surfaces shall be chemically cleaned per manufacturer specification to ensure proper adhesion.
3. Self-etching Primer Application: Acid etching primer shall be applied to the bare metal per manufacturer specification.
4. Primer/Surfacer Application: Sherwin-Williams urethane primer/surfacer shall be applied to the acid etching primer.
5. Dual Orbital Sanding: The primer/surfacer shall be thoroughly sanded to a superior smooth surface.
6. Cleaning: After sanding in step #5, all surfaces shall be chemically cleaned again per manufacturer specifications. The surface to be painted shall be clean of all oil, grease, and dirt to ensure proper adhesion.
7. Primer Sealer Application: Sherwin-Williams urethane primer/sealer shall be applied over the thoroughly sanded and cleaned primer/surfacer as per bulletin DFT-054.
8. Topcoat Application: Two coats of Sherwin-Williams basecoat color two component polyurethane paint shall be applied to the primer sealer. The base color shall be followed by two coats of Sherwin-Williams two component polyurethane clear coat finish.

PAINT - ENVIRONMENTAL IMPACT

Proposal Complies: YES _ NO _

The apparatus manufacturer shall meet or exceeds all current state regulations concerning automotive painting operations.

Pollution control shall include measures to protect the atmosphere, water and soil. Controls shall include the following conditions:

- Topcoats and primers must be chrome and lead free.
- Metal treatment chemicals must be chrome free. The wastewater generated in the metal treatment process must be treated to remove any other heavy metals.
- Particulate emissions from painting operations must be collected by a dry filter or water wash process.
- Solvents used in clean-up operations must be collected, sent off-site for distillation and returned for reuse.

Additionally, the finished apparatus shall not be manufactured with or contain products that have ozone depleting substances.

Contractor shall, upon demand, present evidence that the manufacturing facility meets the above conditions and that it is in compliance with the State EPA rules and regulations.

CHASSIS FRAME ASSEMBLY PAINT

Proposal Complies: YES _ NO _

The chassis frame assembly shall be painted black by the chassis manufacturer. It shall remain the commercial grade finish as provided.

REFLECTIVE STRIPE

Proposal Complies: YES _ NO _

There shall be a minimum of a 6.00 vinyl reflective band provided along the sides, front and rear of the chassis cab and apparatus body.

The design and color shall be determined at the pre-build meeting.

CHEVRON STRIPING, REAR - DIAMOND GRADE

Proposal Complies: YES _ NO _

There shall be alternating chevron striping located on the rear facing vertical surface of the apparatus.

The rear surface excluding the rear compartment door shall be covered. The colors shall be red and fluorescent yellow green.

Each stripe shall be 6.00" in width.

This shall meet the requirements of NFPA 1901, 2016 edition, which states that 50% of the rear surface shall be covered with chevron striping.

REFLECTIVE STRIPE, CAB DOORS

Proposal Complies: YES _ NO _

A vinyl reflective stripe shall be provided on the interior of each cab door.

This stripe shall be a minimum of 96.00 square inches and shall meet NFPA recommendations.

LETTERING AND LOGO

Proposal Complies: YES _ NO _

The lettering shall be totally encapsulated between a layer of clear protective UV resistant vinyl.

Up to eighty (80) vinyl letters per side, 3.00" high with outline and shading shall be provided.

There shall be department logos provided and installed on each of the front cab doors as standard.

GRAPHICS APPROVAL

Proposal Complies: YES _ NO _

The vinyl graphics layout, design and color shall be approved by the department prior to application.

COMMUNICATIONS PRE-WIRE

Proposal Complies: YES _ NO _

There shall be radio pre-wire provisions provided in the apparatus cab to include the following:

- 12 volt Power Wires
- Antenna Coax Base and Cable

The coax and power wires shall terminate at the cab center console for future installation of department supplied communications equipment.

MASTER BATTERY SWITCH

Proposal Complies: YES _ NO _

A master battery switch, to activate the battery system, shall be provided inside the cab within easy reach of the driver.

The master battery disconnect switch shall be wired between the starter solenoid and the remainder of the electrical loads on the apparatus.

BODY ELECTRICAL SYSTEM

Proposal Complies: YES _ NO _

All 12-volt electrical equipment installed by the apparatus manufacturer shall conform to modern automotive practices.

All wiring shall be high temperature crosslink type.

All exposed wiring shall be run in a loom with a minimum 289 degrees rating or conduit and have grommets where wire passes through sheet metal.

Wiring shall be individually color coded to easily identify its function.

Exterior exposed **wire** connectors shall be positive locking, and environmentally sealed to withstand elements such as temperature extremes, moisture and automotive fluids.

Electrical wiring and equipment shall be installed utilizing the following guidelines:

- All holes made in the roof shall be caulked with silicon. Rope caulk is not acceptable. Large fender washers, liberally caulked, shall be used when fastening equipment to the underside of the cab roof.

- Any electrical component that is installed in an exposed area shall be mounted in a manner that shall not allow moisture to accumulate in it. Exposed area shall be defined as any location outside of the cab or body.

Electrical components designed to be removed for maintenance shall not be fastened with nuts and bolts. Metal screws shall be used in mounting these devices. Also a coil of wire shall be provided behind the appliance to allow them to be pulled away from mounting area for inspection and service work.

- Corrosion preventative compound shall be applied to all terminal plugs located outside of the cab or body. All non-waterproof connections shall require this compound in the plug to prevent corrosion and for easy separation (of the plug).
- All lights that have their sockets in a weather exposed area shall have corrosion preventative compound added to the socket terminal area.
- All electrical terminals in exposed areas shall have silicon (1890) applied completely over the metal portion of the terminal. All emergency light switches shall be mounted on a separate panel installed in the cab. A master warning light switch and individual switches to be provided to allow pre-selection of emergency lights. The light switches shall be "rocker" type with an internal indicator light to show when switch is energized. All switches shall 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. The switches and identification shall be illuminated.

All lights and reflector, required to comply with Federal Motor Vehicle Safety Standard #108, shall be furnished.

Rear identification lights shall be recessed mounted for protection.

Lights and wiring mounted in the rear bulkheads shall be protected from damage by installing a false bulkhead inside the rear compartments.

An operational test shall be conducted to ensure that any equipment that is permanently attached to the electrical system is properly connected and in working order.

All wiring shall connect at a 12 volt electrical junction box located on the driver's side in the first left side compartment (L-1) in the left wall.

CUSTOM CENTER CONSOLE

Proposal Complies: YES _ NO _

There shall be a custom fabricated aluminum console provided and installed in the front center of the apparatus cab.

The console shall contain the siren, lighting switches, cup holders and storage compartment as space allows based on other selected options.

The console shall be finished with a black Zolatone spatter coating.

The console shall take the place of the center front seat section and be as large as possible to fit in the usable space provided.

ROCKER SWITCH PANEL • COLOR CODED

Proposal Complies: YES _ NO _

There shall be a custom designed rocker switch panel provided and installed on the cab center console.

The panel shall be designed specifically to control operation of this exact truck.

The switch covers shall be color coded and shall illuminate when activated.

A universal switch panel shall not be used.

OPEN DOOR INDICATOR LIGHT DOOR AJAR

Proposal Complies: YES _ NO _

An "open door" indicator light shall be provided inside the cab, in clear view of the driver, to warn of an open compartment door.

KUSSMAUL BATTERY MAINTAINER

Proposal Complies: YES _ NO _

There shall be a Kussmaul 1000 battery maintainer provided and installed on the finished apparatus.

The system shall maintain a charge in the apparatus batteries while connected to the station 110 volt shoreline through the provided 20 amp Kussmaul Super Auto-Eject receptacle.

There shall be a LED bar graph provided and installed to indicate the charge in the apparatus batteries.

There shall be a NEMA 5-15 plug end provided with the apparatus on delivery for customer installation to the station shoreline.

EXTERIOR LIGHTING

Proposal Complies: YES _ NO _

Exterior lighting shall meet or exceed Federal Department of Transportation, Federal Motor Vehicle Safety Standards and National Fire Protection Association requirements in effect at time of proposal.

Front headlights shall be halogen type and comply with all FMVSS requirements.

Five (5) LED clearance and marker lights shall be installed across the leading edge of the cab if applicable to the chassis size rating.

REAR FMVSS LIGHTING

Proposal Complies: YES _ NO _

There shall be three (3) LED lights installed as identification lights located at the center rear of the apparatus.

There shall be two (2) LED lights installed at the side rear of the apparatus used as clearance lights located at the rear of the apparatus.

There shall be two (2) LED lights installed on each side at rear of the apparatus. There shall be four (4) red reflectors installed as applicable around the body.

STOP TAIL TURN BACK-UP LIGHTING

Proposal Complies: YES _ NO _

There shall be stop/tail/turn/back-up LED lighting provided and installed on the rear of the apparatus as follows:

- Two (2) Whelan, 600 series red LED combination stop/tail lights.
- Two (2) Whelan, 600 series amber LED arrow turn signal lights.
- Two (2) Whelan, 600 series clear LED backup lights.

LICENSE PLATE LIGHT

Proposal Complies: YES _ NO _

There shall be one (1) license plate mounting platform provided and installed at the rear of the apparatus.

There shall be a white LED light with deflector installed to illuminate the license plate.

WARNING LIGHTS

Proposal Complies: YES _ NO _

An all new Whelan LED warning light package is included and shall be installed on the finished apparatus.

All flashing lights shall be colored appropriately to match the department's lighting colors.

All lights shall be flush mounted on the cab and body with chrome trim bezels.

VISUAL WARNING ZONES

Proposal Complies: YES _ NO _

The apparatus shall be divided into warning zones as recommended by NFPA 1901-2016. The upper and lower zones shall correspond to the apparatus as follows:

- Zone "A": Front
- Zone "B": RightSide
- Zone "C": Rear
- Zone "D": LeftSide

VISUAL WARNING MODES

Proposal Complies: YES _ NO _

The use of the apparatus warning lights shall be broken into two separate modes of use.

The permissible colors or combination of colors in each zone for each signaling mode (for fire departments) shall be as follows:

- Calling for Right-of-Way
 - Red-Any Zone
 - Yellow- Any Zone Except A
 - White-Any Zone Except C
- Blocking Right-of-Way
 - Red-Any Zone
 - Yellow-Any Zone
 - White-Not Permitted

VISUAL WARNING MODE SWITCHING

Proposal Complies: YES _ NO _

The ability to switch between warning modes shall be provided on the apparatus.

There shall be a sensor that detects the position of the parking brake and changes modes as follows:

- Parking Brake Engaged: "Blocking Right of Way Mode"
- Parking Brake Not-Engaged: "Calling for Right of Way"

Switching between the two visual warning system modes shall require no action by the operator other than setting the chassis parking brake.

WARNING LIGHT LENS COVERS COLOR

Proposal Complies: YES _ NO _

The warning lights on the apparatus shall all have colored lenses with the exception of the cab light bar which shall remain clear with internally colored lights.

ZONE A UPPER WARNING LIGHTING

Proposal Complies: YES _ NO _

One (1) Whelan SUPER LED light bar shall be mounted on the top of the cab roof.

The light bar shall be a 54" Whelan Liberty II and shall be populated on the front and sides with flashing LED modules.

The front center section shall have white LED lights that shall function only when the parking brake is released.

ZONE A LOWER WARNING LIGHTING- FRONT

Proposal Complies: YES _ NO _

Two (2) Whelan 700 series 3"x7" SUPER LED warning lights shall be provided and mounted on the apparatus.

A chrome bezel shall be provided around the lights.

Two (2) red lights shall be mounted in the front grill area.

ZONE B LOWER WARNING LIGHTING - RIGHT Proposal Complies: YES _ NO _

Two (2) Whelan 700 series 3"x7" SUPER LED warning light shall be provided and mounted on the apparatus.

A chrome bezel shall be provided around the lights.

One (1) light shall be mounted as low and as far forward on the apparatus cab as possible and one (1) light shall be mounted as low as possible in the rear wheel well area.

ZONE B UPPER WARNING LIGHTING - RIGHT Proposal Complies: YES _ NO _

One (1) Whelan L31 SUPER LED beacon light shall be provided and mounted on the apparatus.

One (1) light shall be mounted as high and as far rearward on the apparatus body as possible.

ZONE C LOWER WARNING LIGHTING - REAR Proposal Complies: YES _ NO _

Two (2) Whelan 600 series 4"x6" SUPER LED warning lights shall be provided and mounted on the apparatus.

A chrome bezel shall be provided around the lights.

One (1) light shall be mounted as low as possible on the rear of each side of the apparatus body - Total of two (2) lights.

ZONE C UPPER WARNING LIGHTING - REAR Proposal Complies: YES _ NO _

Two (2) Whelan L31 SUPER LED beacon lights shall be provided and mounted on the apparatus.

One (1) light shall be mounted as high and as far rearward on the apparatus body as possible on each side - Total of two (2) lights.

ZONE D LOWER WARNING LIGHTING - LEFT

Proposal Complies: YES _ NO _

Two (2) Whelan 700 series 3"x7" SUPER LED warning light shall be provided and mounted on the apparatus.

A chrome bezel shall be provided around the lights.

One (1) light shall be mounted as low and as far forward on the apparatus cab as possible and one (1) light shall be mounted as low as possible in the rear wheel well area.

ZONED UPPER WARNING LIGHTING-LEFT

Proposal Complies: YES _ NO _

One (1) Whelan L31 SUPER LED beacon light shall be provided and mounted on the apparatus.

One (1) light shall be mounted as high and as far rearward on the apparatus body as possible.

ELECTRONIC SIREN - WHELEN295

Proposal Complies: YES _ NO _

A Whelan 295 electronic siren shall be provided and installed. The siren

shall be mounted in the cab center console.

The siren shall feature wail, yelp and hyper-yelp with noise canceling microphone provided and installed.

SIREN SPEAKER

Proposal Complies: YES _ NO _

There shall be one (1) 100 watt CPI siren speaker provided and installed on the finished apparatus.

The speaker shall be mounted through the front bumper on the driver side of the apparatus.

PERIMETER GROUND LIGHTS

Proposal Complies: YES _ NO _

There shall be a total of six (6) LED weatherproof lights provided on the apparatus.

Two (2) lights shall be provided under the side body area, two (2) lights shall be provided under the pump panel running boards and two (2) lights shall be provided under the rear step bumper to light all areas around the apparatus.

The perimeter ground lights shall be activated automatically when the parking brake is applied.

STATIONARY SCENE LIGHTS

Proposal Complies: YES _ NO _

There shall be four (4) Whelan 600 Series 4"x6" SUPER LED stationary scene lights mounted in the following locations:

- Two (2) LeftBody
- .. Two (2) RightBody

The lights shall be switched on in the cab of the apparatus to operate the left, right or rear.

REAR SCENE (DECK) LIGHTS

Proposal Complies: YES _ NO _

There shall be two (2) Maxxima 4"x6" LED rear scene (deck) lights mounted in the following locations:

- Two (2) RearBody

The lights shall be switched on in the cab and shall automatically illuminate when the chassis transmission is placed in reverse gear.

TELESCOPING SCENE LIGHTS

Proposal Complies: YES _ NO _

There shall be two (2) Akron Revel telescoping scene lights provided and mounted on the apparatus.

The LED lights shall operate from the chassis 12 volt electrical system and shall have a rated output of 14,000 lumens each.

The lights and push up poles shall be located on the front of the apparatus pump module. The lights shall be activated from a switch located on the light head.

VEHICLE DATA RECORDER (VDR)

Proposal Complies: YES _ NO __

The apparatus shall be equipped with an on-board Vehicle Data Recorder (VDR).

The recorder shall be capable of recording the following data, in this order, at a minimum of once per second:

- Vehicle speed (MPH).
- Acceleration (from speedometer) (MPH/Sec)
- Deceleration (from speedometer) (MPH/Sec)
- Engine speed (RPM)
- Engine throttle position(% of throttle)
- ABS event (on/off)
- Seat occupied status (occupied yes/no by position)
- Seat belt status (buckled yes/no by position)
- Master optical warning device switch(on/off)
- Time (24 hour}
- Date (year/month/day)

The data shall be stored at the sampling rate in a 48 hour loop.

The system shall have sufficient memory to record 100 engine hours with of minute by minute summary data showing the data listed above.

When the memory capacity is reached, the system shall erase the oldest data first.

All data stored in the VOA shall be password protected, up loadable by the user to their computer and importable to into a data management software package that shall be available from the manufacturer.

The software shall be both "Windows" and "Apple" compatible.

The software shall produce the following formatted reports from the uploaded data:

- Daily log for the time the engine is running for a given date (minute by minute output of all values).
- Weekly summary (maximum values each hour for each day of the week).

- Monthly summary (maximum values each day for each day of the month)

SEATBELT MONITORING SYSTEM

Proposal Complies: YES _ NO _

The apparatus shall be equipped with a seatbelt monitoring system.

The system shall consist of an audible warning device that can be heard at all seating positions that are designed to be occupied while the vehicle is in motion as well as a visual display visible to the driver showing each seating position.

The warning system shall be activated anytime the parking brake is released or the automatic transmission is not in park. The system shall indicate seating as follows:

- Green (buckled/senses occupant)
- Red (buckled/no occupant)
- Red (unbuckled/senses occupant)
- Dark (unbuckled/no occupant)

POLYPROPYLENE TANK - 2,000 GALLONS

Proposal Complies: YES _ NO _

The wet-side booster tank shall have a capacity of 2,000 US gallons of water and shall be constructed to meet NFPA 1901 recommendation.

The tank shall be designed and fabricated to meet the exact specifications of this apparatus and shall be certified for the required capacity, hydro-tested and/or electronically tested; and will include a limited lifetime warranty.

The tank shall be constructed of virgin material that is a stress-relieved, UV stabilized, high-impact copolymer polypropylene that is black in color.

Material thickness, joint design, welding processes, baffles, and support design shall be determined by APR engineering based on DVS and/or AWS standards and shall be designed to meeting and/or exceeding NFPA 1901 standards as well as proprietary standards developed by APR.

The tank shall be equipped with a combination pipe vent/overflow and manual fill tower with lid. The tower shall be located on the front portion of the tank and shall have a removable copolymer screen.

The tank covers shall incorporate a minimum of (2) lifting lugs consisting of 2" copolymer dowels. The lifting lugs are intended only for use when the tank is empty. The dowels shall be drilled and tapped to accommodate lifting eyes with a minimum safety factor of 3 to 1. The lifting dowels shall be welded to the internal partitions and extend through the covers to assist in minimizing cover flex during normal operation. Unless otherwise specified there shall be one standard sump per tank.

The tank shall have a suction fitting of the internal draw type and will incorporate a dip tube (when required), and an anti-swirl plate positioned to minimize the formation of vortices. The sump shall have a drain on the bottom if applicable.

Direct fill and tank refill fittings shall be rated at 150 PSI and are not to be used as steps or supports of any type.

The tank baffling system shall be designed to allow for customer specified flow rates and prevention of severe liquid load shifting during transport. All baffles are designed to meet and/or exceed NFPA 1901 standards.

Foam cells (if applicable) shall be fabricated according to customer specifications for capacity, location and fitting requirements. Foam cells shall include a manual fill tower hinged lid with gasket, closure latch, pressure/vacuum valve and removable screen.

Information on the foam cell shall be detailed in other sections of the proposal if applicable.

Additional tank equipment (if applicable) shall include storage tunnels, storage compartments, hose trays, hose beds, hose reel mounting platforms, ladder mounting platforms and miscellaneous housings that shall all be built to meet the exact specifications of this apparatus.

Information on additional tank equipment shall be detailed in other sections of the proposal if applicable.

BOOSTER TANK FINISH PAINTED

Proposal Complies: YES _ NO _

The exterior exposed surfaces of the apparatus booster tank shall be finish painted the primary job color.

REAR TANK FILL FIREMAN'S FRIEND

Proposal Complies: YES _ NO _

There shall be the following direct tank fill connections provided on the rear of the apparatus incorporating Fireman's Friend automatic valves:

- One (1) 2.5" Rear Direct Fill with NSTF Straight Swivel Fitting - Left
- One (1) 2.5" Rear Direct Fill with NSTF Straight Swivel Fitting - Right

The fill points shall be piped using stainless steel pipe and shall terminate on the exterior of the apparatus with the appropriate straight female connection.

There shall be a diffuser plate located on the inside of the apparatus tank if applicable.

QUICK CONNECT ADAPTERS

Proposal Complies: YES _ NO _

There shall be two (2) quick connect cam-lock fitting provided to adapt the rear direct tank fill connections.

NEWTON 10" SWIVEL DUMP VALVE

Proposal Complies: YES _ NO _

A Newton 10" swivel dump valve shall be provided on the rear of the apparatus.

The valve shall be electrically operated with a control switch located at the rear of the apparatus and in the cab.

The entire valve assembly shall be finish painted to match the primary job color.

HALE 1,000 GPM SINGLE STAGE FIRE PUMP

Proposal Complies: YES _ NO _

The new fire pump shall be manufactured by Hale Products and shall comply with all applicable requirements of the latest edition of NFPA 1901 "Standard for Automotive Fire Apparatus" published by the National Fire Protection Association.

The side mounted pump compartment shall be custom fabricated to fit the **exact** chassis and body configuration for this apparatus.

The pump and pump compartment shall be mounted and supported independently from the chassis and body.

PUMP PERFORMANCE - 1,000 U.S. GPM

Proposal Complies: YES _ NO _

The pump shall be a **Hale MBP 1000** single stage centrifugal fire rated pump with a rated capacity of 1,000 United States gallons per minute from draft through the side master suction connections. The pump shall be mounted inside a custom fabricated compartment between the cab and body and shall deliver the percentage of rated discharge pressures as indicated below:

- 100 percent of rated capacity at 150 pounds net pressure
- 70 percent of rated capacity at 200 pounds net pressure
- 50 percent of rated capacity at 250 pounds net pressure

FIRE PUMP CONSTRUCTION

Proposal Complies: YES _ NO _

The pump shall be driven by the chassis drive line from the chassis transmission through a mid-ship pump gear case and shall be free from objectionable pulsation and vibration under all normal operating conditions.

The pump body and related parts shall be of fine grain alloy cast iron with a minimum tensile strength of 30,000 PSI.

All moving parts in contact with water shall be of high quality bronze or stainless steel. Pumps utilizing castings made of lower tensile strength cast iron are not acceptable.

The pump shaft shall be rigidly supported by bearings for minimum deflection.

The bearings shall be heavy-duty, deep groove style bearings in the gearbox and they shall be splash lubricated.

The pump impeller shall be of hard, fine grain bronze with a mixed flow design; accurately machined, handground, and individually balanced.

The vanes of the impeller intake eyes shall be hand ground and polished to a sharp edge, and shall be of sufficient size and design to provide ample reserve capacity utilizing minimum horsepower.

The pump shaft shall be fabricated of heat-treated, electric furnace, corrosion resistant stainless steel, and shall be super finished under the shaft seal.

The pump shaft must be sealed with double lip oil seal to keep road dirt and water out of gearbox.

PUMP GEARBOX

Proposal Complies: YES _ NO _

The gear box shall be completely manufactured and tested at the pump manufacturer's facility.

The pump gearbox shall be of sufficient size to withstand the torque from the engine in both road and pump operating conditions.

The gearbox shall be designed of ample capacity for lubrication reserve and to maintain the proper operating temperature.

The gearbox shall withstand the full torque of the engine in pump operating conditions. All gears (drive and pump) shall be of highest quality heat treated steel.

Bores shall be ground to size and the gear teeth shall be crown shaven, and hardened for smooth, quiet running, and a higher load carrying capability.

An accurately cut spur design shall be provided to eliminate all possible end thrust.

The pump gear ratio shall be selected by the apparatus manufacturer to give the maximum performance with the engine and transmission selected.

MECHANICAL SEAL

Proposal Complies: YES _ NO _

The pump shaft shall be equipped with a mechanical type seal.

The mechanical seal shall be a minimum of two-inches in diameter and shall be spring loaded, maintenance free and self-adjusting.

The mechanical seal shall be constructed of a carbon sealing ring, stainless steel coil spring, Viton rubber cup, and a tungsten carbide seat with Teflon backup seal.

TOTAL PRESSURE GOVERNOR SYSTEM (TPG) Proposal Complies: YES _ NO __

Class 1 Total Pressure Governor (TPG) and monitoring display kit shall be installed. The kit shall include the control module, pressure sensor(s), and cables.

The following continuous displays shall be provided:

- CHECK.ENGINE and STOP ENGINE warning lights
Engine RPM
- Engine OILPRESSURE
- EngineTEMPERTURE
- BATTERYVOLTAGE
- PSI / RPM setting; shown on a dot matrix message display
- PSI and RPM modeLEDs
- THROTTLE READY LED

A dot-matrix message display shall show diagnostic and warning messages as they occur.

It shall show monitored apparatus information, stored data, and program options when selected by the operator.

The program shall store the accumulated operating hours for the pump and engine, previous incident hours, and current incident hours in a non-volatile memory.

Stored elapsed hours shall be displayed at the push of a button.

The governor shall operate in two control modes, pressure and RPM.

No discharge pressure or engine RPM variation shall occur when switching between modes.

Push-button controls shall adjust pressure or RPM settings by using the two UP/DOWN arrow keys.

A throttle ready LED shall light when the interlock signal is recognized. The

governor shall start in pressure mode and set the engine RPM to idle.

In pressure mode the governor shall automatically regulate the discharge pressure at the level set by the operator.

In RPM mode the governor shall maintain the engine RPM at the level set by the operator except in the event of a discharge pressure increase.

Other safety features shall include recognition of no water conditions with an automatic programmed response and a push button to return the engine to idle.

The pressure governor and monitoring display shall be programmed to interface with a specific engine.

INTAKE RELIEF VALVE

Proposal Complies: YES _NO _

An intake relief/dump valve shall be provided on the intake side of the pump to relieve excess incoming pressure.

The system shall be designed to self-restore to a non-relieving position when excessive pressure is no longer present.

The pressure adjustment range shall be from 50 psi to 200 psi.

The relief system shall be adjustable with a common type box end wrench.

The pressure setting shall be preset by the apparatus manufacturer at a 125-PSI position.

The surplus water shall discharge to the atmosphere at a location away from the pump operator's position.

PUMP SHIFT MECHANISM - AIR/ELECTRIC

Proposal Complies: YES _ NO _

The fire pump shall be shifted from road-to-pump by means of a cab mounted electric selector switch that controls the PTO shift mechanism.

A green indicator light shall be provided in the driving compartment and shall be energized when the pump shift has been completed. This light shall be labeled: " PUMP ENGAGED "

When the apparatus is equipped with an automatic transmission, a green indicator light be provided in the driver compartment and at the pump operators position and shall be energized when both the pump shift has been completed and the chassis transmission is in pump gear.

PUMP PRIMER

Proposal Complies: YES _ NO _

A Class 1 PVG electric priming system shall be- furnished with the apparatus.

It shall consist of a rotary vane priming pump, driven by a 12 volt electric motor.

All rotating parts of the pump shall be made of corrosion resistant aluminum, stainless steel, or laminated phenolic.

Pump cylinder shall be made of aluminum alloy, hard anodized and Teflon coated, for corrosion resistance and longlife.

The primer shall be built by the manufacturer of the fire pump and a control located at the pump control panel shall operate the primer.

When dry, the pump system shall be capable of taking suction through 20 feet of hard suction hose and discharging water in not more than the time allowed by current NFPA 1901 standard.

PUMP CERTIFICATION PLATE

Proposal Complies: YES _ NO ___

A permanently affixed plate shall be installed at the pump operator's position that will provide the rated discharge and pressures together with speed of the engine as determined by the certification test.

MANIFOLD DRAIN VALVE

Proposal Complies: YES _ NO _

The pump shall have a manifold type drain valve assembly consisting of a stainless steel plunger in a bronze body with multiple ports.

The control for the valve shall be on the left side along the bottom of the panel.

BLEEDER/DRAIN VALVES

Proposal Complies: YES _ NO _

A 3/4 quarter turn lift-style bleeder/drain ball valve shall be provided for each discharge and auxiliary intake.

A hose shall be connected to the valve that will direct water below the apparatus and away from the immediate pump operator's location.

LEFT AND RIGHT SIDE MASTER INTAKE

Proposal Complies: YES _ NO _

A 6.0 master intake shall be provided on both sides of the apparatus. The intakes shall have a 6.0 male NST connection.

The intake shall have a removable screen constructed of a material that will provide cathodic protection and prevent the entry of large objects into the pump.

LEFT AND RIGHT SIDE MASTER INTAKE CAPS

Proposal Complies: YES _ NO _

A 6.0" female NST long handle chrome cap shall be provided on both side master intakes.

3" TANK TO PUMP

Proposal Complies: YES _ NO _

A 3.0" tank to pump line shall be provided between the tank and the pump.

The tank valve shall be a Hale SST full flow 3.0" valve with control mounted on the pump operator's panel.

The piping and valve arrangement shall be capable of flowing a minimum of 500 U.S. gallons per minute to the pump from the booster tank.

This flow shall be maintained for 80% of the certified tank capacity with the apparatus positioned on level ground.

Connection from the valve to the tank shall be made by using a non-collapsible flexible rubber hose.

TANK RECIRCULATION-REFILL VALVE

Proposal Complies: YES _ NO _

There shall be a 2.0" tank recirculation-refill valve and plumbing provided and installed. The control shall be actuated by a push/pull type lever control.

This control for the Hale SST valve shall be located on the driver side pump panel.

PLUMBING AND PLUMBING WARRANTY

Proposal Complies: YES _ NO _

All suction, discharge and auxiliary plumbing installed before or after the cast pump manifolds shall be constructed of stainless steel pipe, brass or stainless steel fittings and high pressure reinforced flex plumbing.

The stainless steel, brass and flex plumbing shall be warranted to be free from corrosion perforation for a period of 7 years following the delivery of the apparatus.

2.5" LEFT SIDE AUXILIARY INTAKE

Proposal Complies: YES _ NO _

One (1) 2.5" auxiliary intake shall be provided on the left side of the pump compartment.

The Hale SST valve shall be operated at the intake connection with a swing style control.

A 2.5" chrome plated female National Standard Thread swivel connection with screen shall be provided on the left side 2.5" intake with chrome plated male NST intake plug and chrome plated chain.

LEFT 2.5" DISCHARGES

Proposal Complies: YES _ NO _

Two (2) 2.5" discharges shall be provided on the left side of the apparatus.

The Hale SST valves shall be manually controlled from the pump operator's position.

A 2.5" chrome plated NST discharge cap and discharge elbow shall be provided on the right side 2.5" discharges with a chrome plated chain.

RIGHT 2.5" DISCHARGES

Proposal Complies: YES _ NO _

Two (2) 2.5" discharges shall be provided on the right side of the apparatus.

The Hale SST valves shall be manually controlled from the pump operator's position.

A 2.5" chrome plated NST discharge cap and discharge elbow shall be provided on the right side 2.5" discharges with a chrome plated chain.

REAR 2.5" DISCHARGE

Proposal Complies: YES _ NO _

One (1) 2.5" discharge shall be provided at the rear side of the apparatus.

The Hale SST valve shall be manually controlled from the pump operator's position.

A 2.5" chrome plated NST discharge cap and discharge elbow shall be provided on the rear side 2.5" discharge with a chrome plated chain.

1.5" CROSSLAV PRE-CONNECTS

Proposal Complies: YES _ NO _

There shall be two (2) 1.5" pre-connected crosslays provided and located above the side mount pump panel.

The cross lay compartment shall be constructed of smooth aluminum sheet material with a brushed satin finish applied after fabrication.

Each cross lay shall be plumbed with high pressure hose from the discharge manifold to a Hale SST 1.5" ball valve. Two (2) separate discharge valves shall be utilized to control the 1.5" crosslay hose beds and shall be manually controlled from the pump operator's position.

There shall be two (2) swivel elbows with 1.5" male NST hose thread connections provided on the crosslay hose beds.

The swivels shall be mounted in a position to prevent hose "pinching" at the hose thread connection.

1.5" CROSSLAV CAPACITY - 200 FEET

Proposal Complies: YES _ NO _

The 1.5" crosslays shall have the capacity to hold 200 feet of 1.75" fire hose and nozzle.

VALVE CONTROLS

Proposal Complies: YES _ NO _

The discharge valve controls shall be setup for push/pull activation unless otherwise stated in the proposal.

In some instances, the use of hand-wheel, electric, pneumatic and/or swing handle controls may be necessary to reduce plumbing conflicts and allow additional space inside the pump compartment. This shall be at the discretion of the apparatus and/or pump builder.

NFPA COMPLIANT PUMP

Proposal Complies: YES _ NO _

The fire pump and related plumbing on the specified apparatus shall be installed in accordance with applicable NFPA 1901 guidelines at the time the contract was placed.

SIDE MOUNT PUMP MODULE

Proposal Complies: YES _ NO _

A pump operator's side mounted control panel shall be provided.

It shall be assembled and mounted independently from both the chassis and the body to allow sufficient flexing and prevent component fatigue.

The module shall be constructed using aluminum square tubing.

The welded ends of the tubing shall be chamfered prior to welding and shall be ground smooth.

PLUMBING DRAINS - LIFT STYLE

Proposal Complies: YES _ NO _

Drains shall be located each side of the module. The drains shall all be lift style quarter-turn valves.

GAUGES AND CONTROLS

Proposal Complies: YES _NO _

All valve controls shall be in one line and have chrome levers using positive direct linkages to the valves.

All valves shall be self-locking type.

Discharge gauges shall be located adjacent to the respective control for ease of identification.

All gauges shall be functionally grouped to allow easy identification.

COLOR CODED LABELS

Proposal Complies: YES _NO _

A set of color coded and function described labels shall be provided on the apparatus for the pump operator's controls, gated inlets, discharge outlets, drains, and pressure gauges (as applicable).

The labels shall be a high quality plastic material with a durable adhesive on the back.

ACCESS PANELS - STAINLESS STEEL

Proposal Complies: YES _ NO _

There shall be access panels provided on each side of the apparatus pump panel.

The left side shall have a fold down section at the top of the panel and the right shall have a vertical hinged section that allows at least half of the panel to hinge open.

Each access panel shall be constructed from brushed stainless steel. Each access panel shall have push button latches.

The remainder of the panel that is not part of the access panels shall still be removable and held in place with stainless steel machine screws.

SIDE PANELS- STAINLESS STEEL

Proposal Complies: YES _ NO _

The pump compartment top console module shall have left and right side pump panels installed.

The panels shall be constructed of 14 gauge #4 marine grade brushed stainless steel sheeting.

The side pump panels shall be removable.

PUMP PANEL LIGHTS

Proposal Complies: YES _ NO _

One (1) stainless steel light shield assembly shall be provided along the full width at the top of each side mounted pump panel.

There shall be a full width LED light assembly installed under the shield.

A separate switch on the operator's panel shall be provided to activate the lights.

PUMP COMPARTMENT LIGHTS

Proposal Complies: YES _ NO _

There shall be a pump compartment light installed on the interior at each side of the pump module.

The light shall be LED and shall activate with the pump panel lights.

RUNNING BOARDS

Proposal Complies: YES _ NO _

Running boards shall be installed on each side of the pump compartment module.

The running boards shall be constructed of 1/8" fire apparatus bright aluminum tread plate. Each shall be a minimum of approximately 11" deep x the full width of the module.

The aluminum tread plate shall meet recommendations for slip resistant surfaces.

Each running board shall have a minimum 2" downward bend on the front and side faces for superior strength.

RUNNING BOARD HOSE WELL

Proposal Complies: YES _ NO _

There shall be a running board hose well provided and installed on the officer side pump panel

The hose well shall be as large as possible in the available space.

PUMP GAUGES

Proposal Complies: YES NO _

All gauges shall be manufactured by Class 1.

They shall be liquid filled to keep the dial from pulsating and also to prevent condensation from forming inside the gauges.

The master suction (inlet) gauge provided shall be from -30 to 400 PSI. Each individual discharge gauge provided shall be from 0 to 400 PSI. *Two (2) 4.5" master gauges. (Suction & Pressure)*

One (1) 2.5" discharge gauge for each 1.5" or larger discharge.

WATER TANK LEVEL GAUGE • ITL-40

Proposal Complies: YES _ NO _

There shall be Class 1 ITL-40 water level gauge furnished and installed at the operators position on the pump panel.

The gauge shall be illuminated with multiple LED lights and have a 180 degree visual field.

The gauges shall have graduated labeling to indicate tank level in 1/8 increments.

TEST PORTS

Proposal Complies: YES _ NO _

Two (2) chrome test plugs shall be mounted on the top mount pump operator's panel for testing of vacuum and pressure during the performance test.

ENGINE AND PUMP COOLER

Proposal Complies: YES _ NO _

There shall be engine and pump cooler valves and plumbing provided and installed on the apparatus.

The location of the valves shall be on the left side of the pump module.

PUMP COMPARTMENT CONSTRUCTION

Proposal Complies: YES _ NO _

The exterior panels of the pump compartment shall be constructed using only 304 marine grade stainless steel fabricated sheeting with a #4 annealed and polished finish on all exterior surfaces.

The pump compartment shall not require any finish painting.

The framework of the pump compartment shall be constructed of heavy wall aluminum tubing and shall be integrated design to tie together all components of the pump compartment.

CROSSLAY COVER - VINYL

Proposal Complies: YES _ NO _

There shall be a crosslay cover provided and installed on top of the apparatus pump module.

The cover shall be constructed from a minimum of 18 ounce HD vinyl and shall be designed to protect the hose load from accidental deployment.

The cover shall be secured to the apparatus with a bungee type retention system. There cover shall be custom fit and fabricated to fit this exact truck.

The color of the cover shall be red.

ONE (1) VEAR MINIMUM WARRANTY

Proposal Complies: YES _ NO _

Each new apparatus shall be provided with a minimum one (1) year basic apparatus material and workmanship limited warranty. The warranty shall cover such portions of the apparatus built by the manufacturer as being free from defects in material and workmanship that would arise under normal use and service.

CHASSIS WARRANTY

Proposal Complies: YES _ NO _

The chassis warranty shall be for a total of:

- One (1) Year

This warranty is offered by the chassis manufacturer and not the apparatus builder.

CHASSIS PAINT WARRANTY

Proposal Complies: YES _ NO _

The commercial chassis manufacturer's paint warranty applies to the chassis only.

ENGINE WARRANTY

Proposal Complies: YES _ NO _

The engine shall have a five (5) year warranty. This warranty is provided by the engine manufacturer and not the apparatus builder.

TRANSMISSION WARRANTY

Proposal Complies: YES _ NO _

The transmission shall have a five (5) year warranty. This warranty is provided by the transmission manufacturer and not the apparatus builder.

LIFETIME MATERIAL AND WORKMANSHIP

Proposal Complies: YES _ NO _

The polypropylene water tank shall be provided with a lifetime material and workmanship limited warranty to the original purchasing department. This warranty is provided by the tank manufacturer and not the apparatus manufacturer.

BODY STRUCTURAL WARRANTY

Proposal Complies: YES _ NO _

The apparatus body shall be provided with the following warranties:

- Ten (10) year material and workmanship limited warranty on the apparatus body.
- Twenty (20) year material and workmanship limited warranty on the apparatus sub-structure.

The warranty shall cover such portions of the apparatus built by the manufacturer as being free from defects in material and workmanship that would arise under normal use and service.

PUMP WARRANTY

Proposal Complies: YES _ NO _

The pump shall be provided with the following warranty:

- Five (5) Year Warranty - HalePumps

SEVEN (7) YEAR PAINT AND CORROSION

Proposal Complies: YES _ NO _

Each new apparatus shall be provided with a seven (7) year pro-rated paint and corrosion limited warranty on the apparatus body.

The warranty shall cover painted exterior surfaces of the body to be free from blistering, peeling, corrosion, or any other adhesion defect caused by defective manufacturing methods or paint material selection that would arise under normal use and service.

EQUIPMENT PROVIDER

Proposal Complies: YES__NO _

Any NFPA equipment items that are not specifically detailed in this proposal shall be supplied and mounted by the department.

EQUIPMENT MOUNTING

Proposal Complies: YES _ NO _

All equipment items provided in this proposal shall be mounted by the apparatus manufacturer unless otherwise specified in the item description.

The mounting locations shall be determined by the department at the pre-build meeting unless otherwise stated in the description.

MISCELLANEOUS HARDWARE

Proposal Complies: YES _ NO _

There shall be a bag of miscellaneous nuts, bolts and screws as used in the construction of the apparatus.

This hardware shall be supplied at the time of final delivery.

PURCHASER'S RESPONSIBILITY

Proposal Complies: YES _ NO _

These specifications are as complete, accurate and up to date as possible; however, it is the purchaser's responsibility for the safe, legal operation and maintenance of this apparatus and equipment.

PAYMENT

Proposal Complies: YES _ NO _

There shall be no pre-payment requirement for this apparatus and no performance bond shall be required.

The finished apparatus shall be paid for in full at time of delivery and acceptance by the department.

OPTIONAL EQUIPMENT PRICING

- (1) One 24 ft. Extension Ladder \$ _____
- (1) One 14 ft. Roof Ladder \$ _____
- (2) Two 10 ft. Suction Hose \$ _____
- (1) One Barrel Strainer \$ _____
- (4) Four 50 ft. Sections of 2 Y2 hose \$ _____
- (8) Eight 50 ft. sections of 1 3A hose \$ _____
- (2) TFT-H-VOL-BALL VALVE,
1.5" NH (F) X 1.5" NH (N), PISTOL GRIP \$ _____
- (2) TFT MW1- TO- Metro 1 Tip Only \$ _____
- (2) Two Bright Star Light hawk LED Gen II headlights
With die chargers \$ _____

- (1) One double Female adapter size 2 Y2 \$ _____
- (1) One double Male adapter size 2 Y2 \$ _____
- (2) Two Traffic Vest with five point break away to
comply with ANSI/ISEA 207 \$ _____

- (1) One 2100 gallon dump tank \$ _____
- (2) Two Hydrant and Spanner wrench sets \$ _____

SUMTER COUNTY FIRE DEPARTMENT

PROPOSER INFORMATION FORM

PROPOSAL FOR MOBILE WATER SUPPLY APPARATUS "SUMTER
COUNTY FD - TANKER SEALED PROPOSAL"

MANUFACTURER: _____

ADDRESS: _____

PHONE: _____

DEALER - REPRESENTATIVE: _____

EMAIL: _____

PHONE: _____

Having examined the BUYER'S specifications for a MOBILE WATER SUPPLY APPARATUS, the
Company submits a TOTAL PROPOSAL PRICE OF:

_____ DOLLARS AND _____ CENTS

DELIVERY (CALANDER DAYS): ____ DAYS FOLLOWING EXECUTION OF CONTRACT

Proposer understands that the proposal shall not be withdrawn for a period of 60 calendar days
following the date of the proposal opening.

Proposer understands that the BUYER may reject any and all bids and may not negotiate with
any one Proposer to reduce or alter the bid proposal.

Respectfully Submitted:

Signature _____ Title _____ Date _____

Questionnaire

No proposal will be considered if the below listed information is not 100% complete and submitted with the proposal.

General Information

1. State where the apparatus will be built. _____
2. State the name and model number of proposed apparatus. _____
3. Do you agree to supply a 1 year standard warranty from the company manufacturing the apparatus? Yes or No. _____
4. Did you supply sufficient proof (Certificate of Insurance) for at least \$5,000,000.00 product liability insurance for the company manufacturing the apparatus? Yes or No _____
5. Did you supply sufficient proof (Certificate of Insurance) for at least \$5,000,000.00 of garage liability insurance for your dealership? Yes or No _____
6. Do you have a full time service center? Yes or No _____
7. Do you have a mobile service unit with generator, air, parts, etc. capability? _____
8. Do you agree to supply apparatus training for one day? Yes or No. _____
9. Did you supply a complete set of contractor's specifications? Yes or No. _____
10. Will your pre-build meeting be held at the factory as requested? _____
11. Please list the sources for warranty responsibility on the following components:
Chassis Manufacturer: _____ Responsibility: _____
Body Manufacturer: _____ Responsibility: _____
Pump Manufacturer: _____ Responsibility: _____
12. Did you supply an Annual Report or Certified Financial Statement on the manufacturer?
Yes or No. _____
13. State the maximum number of days after receipt of order you will deliver this unit? _____

Chassis Information

1. State the size of the front brakes: _____
2. State the size of the front tires. _____
3. State the make and model of the engine. _____
4. State the gross horsepower of the engine. _____

5. State the make and model of the transmission bid. _____
6. State the make and model of the front axle bid. _____
7. State the make and model of the rear axle bid. _____

Pump Information

1. State the name of the pump manufacturer. _____
2. State the model and GPM of the pump you bid. _____
3. Are you providing an air powered pump shift in the cab? Yes or No. _____
4. Is an electrically operated primer being provided? Yes or No. _____
5. Are the valves being provided of the "full flow" design? Yes or No. _____
6. Are the 3" and larger valves equipped with a "so-close" option? Yes or No. _____
7. Are 30-degree elbows being supplied as an integral part of the valve? Yes or No _____
8. Is the pump easily accessible? Yes or No. _____
9. List all pump access doors. _____

Body Information

1. Is the material used to construct the body extruded aluminum? Yes or No. _____
2. Are the materials used in construction of the pump housing, section or module manufactured with aluminum and/or stainless steel? Yes or No. _____
3. Is 3/16" material used to construct the doors? Yes or No. _____
4. Is the sub-structure (materials used behind & under the compartments, walls and sides) aluminum or stainless materials? Yes or No. _____
5. Is the lip of the compartment an integral extrusion? Yes or No. _____
6. Are gas shocks provided on each hinged compartment door? Yes or No. _____
7. Are the floors in the compartment treadplate? Yes or No. _____
8. Is the rub rail bolted on and spaced from the body? Yes or No. _____
9. Are fender covers provided over each rear wheel? Yes or No. _____
10. Is there a double wall configuration between the top of the compartments and the treadplate?
Yes or No. _____
11. Is all wiring non-exposed (is it behind the compartment and body walls)? Yes or No. _____
12. Is wiring coded by color and function? Yes or No. _____

13. State the type of material that separates the body from the chassis frame rails. _____

Final Question: Did you completely and accurately complete this questionnaire and is it signed by an officer of your company? Yes or No. _____

Signature of Officer

Company Name

Printed Name of Officer

Date

Service Capabilities

Section One: Service Facility

Facility Size (Number of bays): _____

Service Manager Name: _____

Number of Service Technicians: _____

List Names of Service Technicians (if more, use rear of sheet):

- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____

Toll Free Number: _____

Describe On-Site Pump Testing Availability:

Section Two: Mobile Service

Type of Service Unit(s): _____

Is unit(s) owned by you or subcontracted through 3rd party:

Name(s) of Mobile Service Technician(s):

Number of mobile units: _____

Proposers Name

SUMTER COUNTY FIRE DEPT
Specification for Fire Tanker

EVALUATION CRITERIA

	Points
1. Proposal Format Response	5
2. Exceptions to Proposal	10
3. Manufacturers Financial Stability/ Insurance Requirements	10
4. Reference List Responses to Inquiries	10
5. Service Support both Manufactures and Dealership	15
6. Delivery Schedule	15
7. Apparatus (Tanker) Warranties	10
8. Cost	<u>25</u>
Total	100