

Georgetown County, South Carolina



129 Screven Street, Suite 239
Post Office Drawer 424200
Georgetown, SC 29442-4200
(843) 545-3083 • Fax (843) 545-3500
E-Mail • purch@gtcounty.org
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INVITATION FOR BIDS (IFB)

BID NUMBER: 15-086

ISSUE DATE: Friday, July 08, 2016

OPENING DATE: Wednesday, August 10, 2016 **OPENING TIME: 3:00 PM (Eastern Time)**
Bid Opening Location: Georgetown County Courthouse, Suite 239, (Purchasing Conference Room)

Pre-Bid Conference/Site Inspection: n/a

PROCUREMENT FOR: 2 Door Commercial Rescue Pumper
Commodity Code(s): 07057

Subject to the conditions, provisions and the enclosed specifications, sealed bids will be received at the location and time stated herein and will be publicly opened and read.

MAILING ADDRESS:

County of Georgetown
Post Office Drawer 424200
Georgetown SC 29442-4200
Attn: Purchasing

STREET ADDRESS:

Georgetown County Courthouse
129 Screven Street, Suite 239
Georgetown SC 29440-3641
Attn: Purchasing

IMPORTANT OFFEROR NOTES:

1. Bid Number & Title must be shown on the OUTSIDE of the package.
2. DHL, UPS and Federal Express do NOT guarantee delivery to Georgetown, SC before 4:30 PM Eastern Time on Next Day Service.
3. If this bid was downloaded from the web-site, you must register a contact name, company name, fax and/or e-mail with the Purchasing Office as below to ensure your name will be added to the contact list for future amendments and addenda.

Purchasing Contacts:

Ann Puckett
Phone (843)545-3083
Fax: (843)545-3500
E-mail: apuckett@gtcounty.org

Kyle Prufer
(843)545-3082
(843)545-3500
kprufer@gtcounty.org

This solicitation does not commit Georgetown County to award a contract, to pay any cost incurred in the preparation of the bid, or to procure or contract for goods or services. It is the responsibility of each bidder to see that the Georgetown County Purchasing Office receives bids on, or before, the date and time specified for the bid opening. No bid will be accepted thereafter. The County assumes no responsibility for delivery of bids that are mailed. Georgetown County reserves the right to reject any or all bids and to waive any informalities and technicalities in the bid process.



Intent to Respond

REF: **Bid #15-086, 2 Door Commercial Rescue Pumper**

If your company intends to respond to this solicitation, please complete and promptly return this form to assure that you can be included on the mailing list to receive any addenda regarding this project.

It is not necessary to return any other portion of the bid documents if you are not bidding.

Failure to return the *Intent to Respond* shall not be sufficient cause to rule a submittal as non-responsive; nor does the return of the form obligate an interested party to submit a response. Georgetown County's efforts to directly provide interested parties with addenda or additional information are provided as a courtesy only, and do not alleviate the respondent from their obligation to verify they have received and considered all addenda. All addenda are published and available on the county website at www.gtcounty.org select "Bid Opportunities" from the *Quick Links* box on the home page.

Our firm **does** intend on responding to this solicitation.

Our firm **does not** intend on responding to this solicitation.

Company Name: _____

Address: _____

Contact Person: _____

Telephone: _____

FAX: _____

E-Mail: _____

Please return this completed form to Kyle Prufer, Purchasing Officer:

- by e-mail to purch@gtcounty.org
- or by FAX to (843)545-3500.

[End of Intent to Respond]

Time Line: Invitation for Bid #15-086

Item	Date	Time	Location†
Date of Issue:	Friday, July 08, 2016	n/a	n/a
Pre-Bid Conference/Site Inspection:	n/a	n/a	n/a
Inquiry Cut-Off Time:	Wednesday, August 03, 2016	3:00PM ET	Suite 239
Bid Delivery Cut-Off Time:	Wednesday, August 10, 2016	3:00PM ET	Suite 239
Bid Opening:	Wednesday, August 10, 2016	3:00PM ET	Suite 239

†All locations are at the Old Georgetown County Courthouse, 129 Screven St, Georgetown, SC 29440 unless otherwise noted.

Bid #15-086

2 Door Commercial Rescue Pumper
General Requirements

Introduction:

The Georgetown County Emergency Services Department is soliciting sealed bids which will be publicly opened and read aloud, for one (1) 2-Door Commercial Rescue Pumper Apparatus, to be used by District 1, Georgetown County Fire and Rescue, and designated as Engine E-116.

CBDG Grant Compliance:

The funding for this unit shall be provided by a South Carolina Community Development Block Grant (CDBG) and special contract conditions will apply as detailed by the exhibit within the bid solicitation.

Bid Security:

- 1) The successful offeror must provide a Performance Bond from a surety company qualified to do business under the laws of the State of South Carolina in the amount of 100 percent (100%) of the contract amount, within fifteen (15) days after receipt of written notice of formal award of the Contract. Pricing for such Performance Bond should be indicated separately on the Vendor Bid Submission Form.
- 2) Each bid must be accompanied by a Bid Bond, or by a certified check payable to Georgetown County, SC, for an amount equal to five per-cent (5%) of the total base bid as a guarantee that if the bid is accepted, the required Contract will be executed within fifteen (15) days after receipt of written notice of formal award of Contract. Bids not including such a bid bond will not be considered. Bid Bonds will be returned to unsuccessful vendors after award of Bid.
- 3) The successful offeror must provide a Payment and Material Bond from a surety company qualified to do business under the laws of the State of South Carolina in the amount of 100 percent (100%) of the contract amount, within fifteen (15) days after receipt of written notice of formal award of Contract.

Delivery:

Each offeror must provide a delivered price to:

First Vehicle Services
c/o Georgetown County Public Services
2242 Browns Ferry Road (a/k/a SC-51)
Georgetown, SC 29440

Optional Items:

Add/Optional items for consideration are listed in detail on Page 44 of these bid documents. These may be considered as additions to the base offer if funding permits. All bid items will be from a single provider.

BID ALTERNATE: “Stock / Demonstration Unit”

- 1) To expedite the delivery of this apparatus and insure the public safety of the citizens of Georgetown County the Georgetown County Emergency Services Department will consider bids on in-stock and/or demonstrator units that are, or can be, available on a shorter lead time.
- 2) For alternate bids to be considered, each must include the completed Technical Specification Checklist (pages 6 through 43) and should also include the three (3) options shown on page 45 if available
- 3) Newly constructed apparatus built to order should be marked “BASE BID”. If bids are submitted for a stock / demo unit, please label any successive bid packet “ALTERNATE BID”. All bid responses will be due on the same day and time as shown in the timeline on page three (3).
- 4) For each **Alternate Bid** item proposed, the offeror must note on the Exceptions Page the certified odometer reading and the remaining warranty coverage.

Brand Name Or Equal:

This section shall apply to any herein branded specification unless specifically annotated as “No Exceptions”.

- 1) The use of a “**brand name or equal**” specification is for the purpose of describing the standard of quality, performance and characteristics desired and is not intended to limit or restrict competition. An item shall be considered to be substantially equivalent, or “equal” to the specified brand in the opinion of the Chief Procurement Officer, the County can reasonably anticipate sufficiently similar quality, capacity, durability, performance, utility and productivity as provided by the specified brand.
- 2) Nothing herein is intended to exclude any responsible vendor, his product or service or in any way restrain or restrict competition. On the contrary, all responsible vendors are encouraged to bid and their bids are solicited.
- 3) Unless otherwise stated in an Invitation for Bid, the name of a certain brand, make or manufacturer does not restrict bidders to the specific brand, make or manufacturer named; it conveys the general style, type, character, and quality of the article desired, and any article which the County in its sole discretion determines to be the equal of that specified, considering quality, workmanship, economy of operation, and suitability for the purpose intended, shall be accepted. Any catalog, brand name or manufacturer's reference used in bid invitation is descriptive - NOT restrictive - it is to indicate type and quality desired. Bids on brands of like nature and quality will be considered. If bidding on other than reference or specifications, bid must show manufacturer, brand or trade name, catalog number, etc. of article offered. If other than brand(s) specified is offered, illustrations and complete description must be submitted with bid. Samples may be required. If bidder makes no other bid and takes no exception to specifications or reference data, he will be required to furnish brand names, numbers, etc., as specified. Bidders must certify that item(s) bid upon meet and/or exceed specifications.

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**Georgetown County Fire & EMS
1250 GPM Top Mount Rescue-Pumper
2-Door Freightliner Technical Specifications & Requirements**

Intent of Specifications

It is the intent of these specifications to clearly describe the fabrication and delivery to the Purchaser of a complete apparatus equipped as specified. The primary objective of these specifications is to obtain the most acceptable apparatus for service in the Fire Department. These specifications cover specific requirements as to the type of construction and tests the apparatus must conform, together with certain details as to finish, material preferences, equipment and appliances with which the successful bidder must conform.

The design of the apparatus must embody the latest approved automotive design practices. The workmanship must be of the highest quality in its respective field. Special consideration shall be given to service access to areas needing periodic maintenance, ease of operation, and symmetrical proportions. Construction must be heavy-duty and ample safety factors must be provided to carry loads as specified. The construction method employed will be in such a manner as to allow ready removal of any component for service or repair.

The apparatus shall conform to the National Fire Protection Association Standard for Automotive Fire Apparatus, number 1901, in its most recent edition, unless otherwise specified in this document. Only the specified firefighting support equipment listed in these specifications shall be provided.

The apparatus shall further conform to all Federal Motor Vehicle Safety Standards. No exception. Each bidder shall furnish satisfactory evidence of their ability to design, engineer, and construct the apparatus specified and shall state the location of the factory producing the apparatus. They shall also substantiate they are in a position to render prompt and proper service and to furnish replacement parts for the apparatus.

Each bid must be accompanied by a set of detailed contractor's specifications consisting of a detailed description of the apparatus and equipment proposed. All bid proposal specifications must be in the same sequence as the advertised specification for ease of comparison. These specifications shall include size, location, type, and model of all component parts being furnished. Detailed information shall be provided on the materials used to construct all facets of the apparatus body. Any bidder who fails to submit detailed construction specifications, or who photo copies and submits these specifications as their own construction details will be considered non-responsive and shall render their proposal ineligible for award. No exception. Bids will be addressed and submitted in accordance with the instructions provided on the cover sheet. The words "Fire Apparatus Proposal", the date, and bid opening time shall be stated on the front of the bid envelope.

It shall be the responsibility of the bidder to assure that their proposal arrives at the location and time indicated. Late proposals, telegrams, facsimile, or telephone bids will not be considered. No exception. All bidders are required to detail the payment terms for apparatus on the bidder's proposal page. Any required prepayments or progress payments must be explained in detail.

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Bid #15-086
Mandatory Bid Submittal Form
Technical Specification Checklist
2-DOOR M-2 CHASSIS

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
NFPA Compliance			
The supplied components of the apparatus shall be compliant with NFPA 1901, 2009 edition			
Frame Liner			
A frame liner shall be provided by the chassis supplier per the chassis supplier's specifications and frame design.			
Freightliner Chassis			
The commercial chassis shall be a Freightliner business class M2 106 MD two (2) door, 2014 or newer, supplied with the following equipment:			
GVW Rating			
The gross vehicle weight rating shall be 38,000 lbs.			
Wheel Base 211".			
Frame			
The chassis frame rails shall be channel type, 10-15/16" x 3-1/2" x 11/32" steel. The frame shall have a 47" rear frame overhang. The frame rails shall be clear with no protrusions outboard of the rail from the back of the cab to the rear suspension.			
Tow Hooks			
There shall be two (2) front tow hooks, frame-mounted.			
Front Axle and Suspension			
The front axle shall be a Mentor MFS-12-143A, rated at 12,000 lbs. Front brakes shall be Meritor Cam 16.5 x 5 Q+ Cast SPDR with non-asbestos brake linings. Front oil seals shall be Chicago Rawhide Scotseal.			
The front suspension shall be taper leaf with a 12,000 lb capacity and front shock absorbers. The front suspension shall include maintenance-free rubber bushings. Tapered leaf springs provide ride improvement over standard straight spring systems.			
Front Tires			
Front tires shall be Goodyear 11R22.5 tubeless type 14 ply radial tires.			
Black hard rubber mud flaps shall be provided behind the front tires.			
Rear Axle and Suspension			
The rear axle shall be a Meritor RS-26-185 T-SRS with a capacity of 26,000 lbs. Rear ratio of 4.89 shall be provided to achieve 65 MPH. Rear brakes shall be Mentor 16.5 x 7 P Cam with non-asbestos brake linings. Rear oil seals shall be Chicago Rawhide Scotseal.			
The rear suspension shall be 27,000 lbs flat-leaf spring with helper and radius rod for fire/emergency service.			
Rear Tires			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
Rear tires shall be Goodyear On/Off Hwy 12R22.5 tubeless type 16 ply radial tires.			
Brake System			
The vehicle shall be equipped with a dual air brake system with Wabco 45/4M four channel anti-lock braking system.			
The ABS shall provide anti-lock braking control on both the front and rear wheels. It shall be a digitally-controlled system that utilizes microprocessor technology to control the anti-lock braking system. Each wheel shall be monitored by the system. When any wheel begins to lockup a signal shall be sent to the control unit. This control unit shall then reduce the braking of that wheel for a fraction of a second and then reapply the brake. This anti-lock brake system shall eliminate the lock-up of any wheel to help prevent the apparatus from skidding out of control.			
The brake system air compressor shall be a Wabco 15.5 UM with a Bendix AD-9 air dryer with heater.			
The brake system shall include the following:			
Reinforced nylon, fabric braid and wire braid chassis air lines; Front and rear automatic slack adjusters; Steel air brake reservoirs; DV-2 auto drain valve on the wet tank.			
Cooling System			
The radiator shall be 1100 sq. in. The cooling system shall be provided with anti-freeze protection to -34 degrees Fahrenheit. A lower radiator guard shall be provided. The cooling system shall include rubber coolant hoses with constant-tension hose clamps.			
Exhaust System			
The exhaust shall be a horizontal after treatment device (ATD) and tailpipe. The tailpipe shall exit on the right side ahead of the rear wheel.			
A switch shall be provided in the cab that shall allow the exhaust regeneration process to be overridden when applicable.			
Fuel Tank			
A fifty (50) gallon rectangular aluminum fuel tank shall be mounted at the driver's side. A six (6) gallon diesel exhaust fluid tank. Fuel lines shall be reinforced nylon fuel hose.			
Transmission			
An Allison EVS3000 automatic 5 speed transmission shall be provided. The push-button electronic shift control shall be located within easy reach of the driver and shall be indirectly lit for after-dark operation. A label shall be provided within easy view of the driver to indicate the chassis transmission shift selector position to be used for pumping.			
A transmission water-to-oil cooler shall be provided in the radiator end tank.			
A transmission fluid check and fill with electronic oil level check.			
A frame-mounted water-to-oil transmission cooler.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
A five (5) year/unlimited miles parts and labor warranty shall be provided as standard by Allison Transmission.			
Battery System			
A single start battery system shall be provided consisting of two (2) Alliance 1131, group 31 maintenance-free, 12 volt, 1850 CCA batteries, battery box frame-mounted, driver's side, under the cab.			
Alternator			
The alternator shall be a 12 volt 275 amp Delco Remy quadramount pad alternator with remote battery volt sense.			
Ember Separator			
An ember separator shall be provided for the engine air intake in accordance with NFPA. Cab			
Cab			
The cab shall be a two (2) door aluminum conventional, engine forward design with fiberglass front tilting hood. Cab accessories and features shall include:			
· Tinted glass in all windows.			
· Five (5) amber DOT clearance/marker lights.			
· Grey interior trim with vinyl upholstery.			
· Grey vinyl floor mat with single insulation.			
· Dual sun visors.			
· Electric windshield washer with eight (8) liter windshield washer reservoir.			
· Single electric windshield wiper motor with delay feature.			
· Hood-mounted chromed plastic grille.			
· Handrails with anti-slip rubber inserts at each cab door.			
· Steps at each cab door.			
· Heater with defroster.			
· Air conditioner with recirculation switch. AC system shall include a Sanden compact air conditioner compressor.			
· Daytime running lights.			
· Dual electric horns.			
· Integral headlight/marker light assembly with chrome bezel.			
· Front turn signal lamps with self-cancel turn signal switch.			
· Manual door window regulators.			
· Manual door locks, all keyed the same.			
· Forward roof-mounted console with upper storage compartments.			
· Two (2) cup holders.			
· Silencer package for cab with additional sidewall insulation.			
· Tilt/Telescopic steering column			
· Cab instruments.			
The following cab instruments and controls shall be provided:			
· Lever-operated ignition switch and integral start position (with non-removable key).			
· Engine oil pressure gauge.			
· Odometer display with miles, trip miles, trip hours, engine hours, and diagnostic/voltage display.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
· Warning system with low fuel, low oil pressure, high engine coolant temperature, low battery voltage (visual and audible).			
· Transmission oil temperature gauge.			
· Engine coolant temperature gauge.			
· Diagnostic interface connector located below the dash.			
· Speedometer.			
· Tachometer.			
· Digital voltage display.			
· Air cleaner restriction indicator in the engine compartment with dash-mounted warning light.			
· Dual needle primary and secondary air system pressure gauges with low pressure light and buzzer.			
· Electronic fuel gauge.			
Fire Apparatus/Rescue Prep			
The following items shall be installed on the commercial chassis in preparation for fire apparatus/rescue application:			
· Exhaust Extension - The chassis exhaust pipe shall be extended to the front of the right rear wheel.			
· Fast Idle System - A fast idle system shall be provided and controlled by a cab or pump panel mounted switch. The system shall increase engine idle speed to a preset RPM for increased alternator output.			
· Master Light Switch - The master light switch shall consist of one (1) illuminated rocker switch wired through a solenoid to accessory switches to allow pre-selected switches to be turned on or off at one time.			
· Battery Master Disconnect - A heavy duty on/off single battery master disconnect switch shall be mounted in the cab within easy reach of the driver.			
· Auxiliary Engine Cooler - As required for pumping applications, an engine cooler shall be installed. The engine cooler shall be required to lower engine water temperature during prolonged pumping operations and shall be controlled at the pump operator's position.			
Front Bumper			
The vehicle shall be equipped with a one-piece 10" high bumper, made from 10 gauge (0.135" nominal) polished stainless steel for corrosion resistance, strength, and long-lasting appearance. It shall be mounted directly to the front frame extensions for maximum strength. The bumper shall incorporate two (2) stiffening ribs.			
Front Bumper Extension			
The bumper shall be extended approximately 20" from the face of the cab as required. Bumper Gravel Shield			
The extended front bumper gravel shield shall be made of 1/8" (.125") aluminum treadplate material.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
Lid, Bumper Hose Tray			
The center bumper tray shall have a diamond plate lid. The lid shall be hinged and shall be secured in the closed position by a latch and held open with a pneumatic shock. The lid shall have a notch in the passenger side to allow for 1.75" hose to be fed from the discharge into the tray.			
Bumper Tray - Center			
A hose tray constructed of 1/8" aluminum shall be recessed into the front bumper extension. The tray shall be located in the center of the bumper and be approximately 16" deep (15" to the top of the slats). One inch thick aluminum slats shall be included in the bottom of the hose tray to aid in the dissipation of water from the tray.			
Rear Underbody Support Frame			
The body shall be supported at the rear by a steel frame extension bolted to the chassis frame rails. The frame rails and frame extension shall be isolated from the aluminum body extrusions by 5/16" x 2" fiber reinforced rubber.			
The frame extension shall be built with (2) 2.5" sq. x .25 wall thickness x full width cross rails welded to (2) 2.5" sq. x .25 wall thickness side rails. The frame extension assembly will be welded to steel weldments, which are secured to the chassis frame with grade 8 5/8" bolts.			
The frame extension shall not interfere with N.F.P.A. minimum requirements for angle of departure.			
Rims - Painted Steel: Phoenix Wheel Covers are supplied			
The chassis rims shall be Accuride 22.5" x 8.25" 10 hub piloted 2-hand steel disc wheels. The rims shall be painted job color.			
Tire Pressure Monitor			
The apparatus shall be provided with tire pressure indicating valve stem caps. The indicators shall be installed on each tire and be a heavy duty design manufactured specifically for trucks. When tire is properly inflated, the indicator inside the cap shall be green, and when the tire is underinflated by 10%, the indicator inside the cap shall be red.			
Air Inlet			
A 1/4" male plug air hose inlet shall be connected to the air reservoir tank. A 1/4" inline check valve will be installed in the line. Air hose connection will provide the capability of filling the air brake system with air from an outside source. Location: driver's door step area.			
Air Horns (2)			
Dual Hadley through the bumper Air Horns with Driver and Officer Foot Switches to be Supplied and Installed.			
Freightliner Engine			
The chassis shall be equipped with a Cummins ISC six-cylinder, 2010 EPA compliant, electronic engine.			
The engine shall be 330HP @ 2000 RPM (2200 RPM Governed) with 1000 lb/ft @ 1400 RPM. Engine accessories included shall be:			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
· Delco 12V 38 MT HD starting motor with integrated magnetic switch			
· 18.7 CFM Compressor with internal safety valve.			
· Horton Drivenmaster on/off fan drive. Automatic fan control without dash switch, non-engine mounted.			
· Combination Full Flow/By Pass Oil Filter			
· Spin on Fuel Filter			
Vehicle Speed			
Chassis speed shall be electronically limited and not to exceed a maximum of 68 MPH. Note: Speed rating may be lower based off OEM tire ratings provided on chassis.			
Rear Tow Eyes			
Two (2) heavy duty tow eyes made of 3/4" (0.75") thick steel having 2-1/2" diameter holes shall be mounted below the body at the rear of the vehicle to allow towing (not lifting) of the apparatus without damage. The tow eyes will be welded to the lower end of a 5" steel channel that is bolted at the end of the chassis frame rails. The tow eyes shall be painted chassis black.			
Front Tow Hooks			
Two (2) heavy duty painted front tow hooks shall be securely bolted to the front chassis frame rail extensions to allow towing (not lifting) of the apparatus without damage. They shall be mounted in the downward position.			
Chassis Trim Package			
A diamond plate trim package shall be provided for the Freightliner two (2) door cab and chassis.			
All stepping surfaces on the trim package shall be in accordance with NFPA by including a multi-directional aggressive gripping surface incorporated into the aluminum diamond plate. This surface shall extend vertically from the diamond plate a minimum of a 1/8" (0.125") and shall be 1" in diameter in design with a minimum of 4" on center. (NO EXCEPTIONS)			
The driver and officer side trim shall include an upper and lower full width step. The driver side shall include battery access and a mounting surface for the battery charger receptacle and air inlet.			
Logo Package			
The apparatus shall have manufacturer logos provided on the cab and body as applicable.			
Mirrors with Heat, Lights and Remote,			
There shall be two (2) West Coast (Lang Mehra) stainless steel remote, heated mirrors with clearance lights provided.			
Label "Diesel Fuel Only"			
Located above each fuel filler housing shall be a metallic label that designates "Diesel Fuel Only" requirements. It shall be black with white or equivalent contrasting letters a minimum of 1/2" high.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
Seating Package			
There shall be seating provided in the cab for two (2) people.			
There shall be (1) Seats Inc 911 Universal series high back air suspension driver seat with NFPA 1901-2009 compliant seat sensor. There shall be (1) Seats Inc 911 high back non-suspension passenger seat with NFPA 2009 compliant seat sensor.			
The seats shall be made of a grey material.			
Each seat adjacent to a cab door shall have a three point high visibility orange retractor driver and RH front belts with NFPA 1901-2009 sensor.			
Seating Capacity Tag			
A tag that is in view of the driver stating seating capacity of two (2) personnel shall be provided.			
Center Counsel			
A center counsel to fit between the seats with size of at least 14" wide by 10" tall, completely enclosed and complaint with NFPA standards			
Battery Charger Receptacle			
A 20 amp battery charger receptacle shall be installed in the specified location.			
The receptacle shall be located driver's door step area.			
The cover color shall be Yellow.			
Battery Charger			
A Supersmart microprocessor controlled charging system shall be installed. The system shall have a 110 volt, 60 hertz, 5.25 amp input with output of 20 amps 12 volts DC.			
The battery charging system shall be installed and connected directly to the shoreline to ensure the batteries remain fully charged while the vehicle is in the fire station or firehouse.			
The system shall provide a visual signal if battery voltage drops below 11.5 volts. The microprocessor shall be continuously powered from the battery to provide the charge status.			
Equalization charge shall only occur when necessary, not with every cycle. The system shall fully charge the batteries while allowing up to 8 amps of additional load for onboard systems.			
Driver Side Assembly			
The driver side assembly shall be constructed entirely of aluminum extrusions and interlocking aluminum plates. This aluminum modular design shall provide a high strength-to-weight ratio for increased equipment carrying capacity.			
The driver side body corners shall be 6063-T5 extruded aluminum corner sections with a 3/16" (0.188") wall thickness. The side body extrusions shall be 6063-T5 aluminum tubing with a 3/16" (0.188") wall thickness and 3/16" (0.188") outside corner radius. The corners and sides shall be welded both internally and externally at each joint using an aluminum alloy welding wire.			
The driver side body shall be completely sanded and deburred to assure a smooth finish and painted job color.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
Driver Side Compartments			
The three (3) driver side compartments shall be constructed from 3003 H14 1/8" (.125") smooth aluminum plate. The compartments shall be modular in design and shall not be a part of the body support structure.			
There shall be one (1) compartment located ahead of the rear wheels. This compartment shall be approximately 42" wide x 68" high x 26" deep in the lower 57" high section and 12" deep in the upper 11" high section. The compartment shall contain approximately 39.2 cu. ft. of combined storage space. The door opening shall be approximately 42" wide x 68" high.			
There shall be one (1) compartment located over the rear wheel. The compartment shall be approximately 56" wide x 34" high x 26" deep and contain approximately 28.6 cu. ft. of storage space. The door opening shall be approximately 56" wide x 34" high.			
There shall be one (1) compartment located behind the rear wheel. The compartment shall be approximately 56" wide x 68" high. The forward area of the compartment shall be approximately 42" wide x 68" high x 26" deep in the lower 57" high section and 12" deep in the upper 11" high section. The enhanced extended rear portion of the compartment shall be approximately 14" wide x 68" high x 25" deep in the lower 57" high section and 11" deep in the upper 38" high section. The total combined storage space shall be approximately 51.7 cu. ft. The door opening shall be approximately 56" wide x 68" high.			
Each compartment seam shall be sealed using a permanent pliable silicone caulk. The walls of each compartment shall be machine-louvered for adequate ventilation.			
An externally-mounted compartment top shall be provided and constructed of a 1/8" (.125") aluminum tread plate.			
Officer Side Assembly			
The officer side assembly shall be constructed entirely of aluminum extrusions and interlocking aluminum plates. This aluminum modular design shall provide a high strength-to-weight ratio for increased equipment carrying capacity.			
The officer side body corners shall be 6063-T5 extruded aluminum corner sections with a 3/16" (0.188") wall thickness. The side body extrusions shall be 6063-T5 aluminum tubing with a 3/16" (0.188") wall thickness and 3/16" (0.188") outside corner radius. The corners and sides shall be welded both internally and externally at each joint using an aluminum alloy welding wire.			
The officer side body shall be completely sanded and deburred to assure a smooth finish and painted job color.			
Officer Side Compartments			
The three (3) officer side compartments shall be constructed from 3003 H14 1/8" (.125") smooth aluminum plate. The compartments shall be modular in design and shall not be a part of the body support structure.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
There shall be one (1) compartment located ahead of the rear wheel. The compartment shall be approximately 42" wide x 68" high x 26" deep in the lower 30" high section and 12" deep in the upper 38" high section. The compartment shall contain approximately 30 cu. ft. of combined storage space. The door opening shall be approximately 42" wide x 68" high.			
There shall be one (I) compartment located over the rear wheel. The compartment shall be approximately 56" wide x 34" high x 12" deep and contain approximately 13.2 cu. ft. of storage space. The door opening shall be approximately 56" wide x 34" high.			
There shall be one (1) compartment located behind the rear wheel. The compartment shall be approximately 56" wide x 68" high. The forward area of the compartment shall be 42" wide x 30" high x 26" deep in the lower area and 42" wide x 38" high x 12" deep in the upper area. The enhanced extended rear portion of the compartment shall be approximately 14" wide x 68" high x 25" deep in the lower 30" high section and 11" deep in the upper 38" high section. The total combined storage space shall be approximately 39.5 cu. ft. The door opening shall be approximately 56" wide x 68" high.			
Each compartment seam shall be sealed using a permanent pliable silicone caulk. The walls of each compartment shall be machine-louvered for adequate ventilation.			
An externally-mounted compartment top shall be provided and constructed of a 1/8" (.125") aluminum tread plate.			
Storage Tunnel			
The area directly behind the upper area of the officer side compartments shall be for the storage of NFPA equipment.			
Rear Body Assembly			
The rear body shall be constructed entirely of aluminum extrusions and interlocking aluminum plates and includes a full height center rear compartment.			
The rear body frame shall be 6063-T5 1.5" x 4" and 1.5" x 3" aluminum extrusions with a 3/16" (0.188") wall thickness and 3/16" (0.187") outside corner radius and 1/8" (0.125") aluminum smooth plate. The rear extrusions shall be welded both internally and externally at each joint using an aluminum alloy welding wire.			
Rear Body Compartment			
The full height center rear compartment shall be constructed from 3003 H14 1/8" (.125") smooth aluminum plate. The compartment shall be modular in design and shall not be a part of the body support structure.			
The compartment shall be approximately 38" wide and shall vary in height and depth dependent upon water tank capacity.			
The compartment seams shall be sealed using a permanent pliable silicone caulk. Machined louvers shall be provided for adequate ventilation.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
Storage Compartments			
A storage compartment shall be provided at the rear body compartment. The storage compartment shall be located to the officer side of the rear compartment.			
The storage compartment shall be approximately 13" wide x 29" high x length of side assembly. The storage compartment shall store NFPA equipment.			
The storage compartment shall include a vertically hinged door to secure contents. The door shall be constructed of 3/16" (.187") aluminum smooth plate and shall have a push-button style latch. The compartment door shall be securely attached with a full-length stainless steel piano type hinge with 1/4" pin. The hinge shall be "staked" on every other knuckle to prevent the pins from sliding. The door shall be wired to the door ajar indicator light in the cab and shall be interlocked with the parking brake per NFPA,			
Tailboard Step			
A tailboard step shall be provided at the rear of the body. The tailboard shall 15.5" in depth and in accordance with NFPA in both step height and stepping surface. The maximum rear step height to the tailboard shall not exceed 24".			
The tailboard step shall be formed from 3/16" (0.188") aluminum treadplate and shall be reinforced with 6063-T5 1.5" x 3" aluminum extrusion. The tailboard shall be in accordance with current NFPA requirements and shall include a multi-directional aggressive gripping surface incorporated into the diamond plate. The surface shall extend vertically from the diamond plate sheet a minimum of 1/8" (0.125")Gripping surfaces shall be circular in design, a minimum of 1" diameter and on centers not to exceed 4".			
The tailboard step shall be bolted on to the body from the underside assuring a clear surface and shall be easily removable for replacement in the case of damage.			
Enhanced Extended Compartment Framework			
Each side of the tailboard shall be the external compartment frame work of the enhanced extended side compartments. The compartment frame work shall be 6063-T5 1.5"x 4"and 1.5" x 3" aluminum extrusions with a 3/16"(0.188") wall thickness and 3/16" (0.188") outside corner radius. The rear extrusions shall be welded both internally and externally at each joint using an aluminum alloy welding wire.			
Rear Access Handrails			
Handrails shall be provided at the rear of the body to assist ground personnel accessing the tailboard step and hose bed area. Each handrail shall be constructed of 6063T5 1.25" OD anodized aluminum tube, with an integral ribbed surface to assure a good grip for personnel safety, and shall be mounted between chrome stanchions.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
The handrails shall be located- two (2) handrails, one (1) on each side, appropriately sized handrail mounted vertically on the trailing edge of the body and appropriately sized handrail(s) mounted horizontally below the rear hose bed opening.			
Enhanced Extended			
Enhanced Extended Compartmentation stepped down below hose bed level. Includes embossed diamond plate compartment tops.			
Roll Up Compartment Door			
A ROM brand roll up door with satin finish shall be provided on a compartment up to 45" tall. The door(s) shall be installed in the following location(s): L2, R2.			
The Robinson door slats shall be double wall box frame and manufactured from anodized aluminum. The slats shall have interlocking end shoes on each slat. The slats shall have interlocking joints with a PVC/vinyl inner seal to prevent any metal to metal contact and inhibit moisture and dust penetration.			
The track shall be anodized aluminum with a finishing flange incorporated to provide a finished look around the perimeter of the door without additional trim or caulking. The track shall have a replaceable side seal to prevent water and dust from entering the compartment.			
The doors shall be counterbalanced for ease in operation. A full width latch bar shall be operable with one hand, even with heavy gloves. Securing method shall be a positive latch device.			
A magnetic type switch integral to the door shall be supplied for door ajar indication and compartment light activation.			
The door opening shall be reduced by 2" in width and approximately 8-9" in height depending on door height.			
Roll Up Compartment Door			
A ROM brand roll up door with satin finish shall be provided on a compartment greater than 45" tall. The door(s) shall be installed in the following location(s): L1, L3, R1, R3, Bl.			
The Robinson door slats shall be double wall box frame and manufactured from anodized aluminum. The slats shall have interlocking end shoes on each slat. The slats shall have interlocking joints with a PVC/vinyl inner seal to prevent any metal to metal contact and inhibit moisture and dust penetration.			
The track shall be anodized aluminum with a finishing flange incorporated to provide a finished look around the perimeter of the door without additional trim or caulking. The track shall have a replaceable side seal to prevent water and dust from entering the compartment.			
The doors shall be counterbalanced for ease in operation. A full width latch bar shall be operable with one hand, even with heavy gloves. Securing method shall be a positive latch device.			
A magnetic type switch integral to the door shall be supplied for door ajar indication and compartment light activation.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
The door opening shall be reduced by 2" in width and approximately 8-9" in height depending on door height.			
Permanent Shelves (3)			
There shall be a permanent mounted aluminum shelf provided for compartment R1 at offset (above extrusion if applicable) and R3 at offset (above extrusion if applicable). The shelves shall be at the offset within the compartment.			
The shelves shall be constructed of 3/16" (.187") smooth aluminum plate. The shelves shall have a minimum 2" front lip for added strength and reinforcement and to accommodate optional plastic interlocking compartment tile systems.			
A vertical divider will be placed in L1 40% of the distance from the front of the compartment. A horizontal shelf will be placed between the front of the compartment and the vertical divider halfway between the top and bottom of the compartment.			
The shelves shall be capable of holding 100 lbs.			
Adjustable Shelves (1)			
There shall be an aluminum adjustable shelf provided for compartment L3.			
The shelves shall be constructed of 3/16" (.187") smooth aluminum plate. The shelves shall have a minimum 2" front and rear lips to accommodate optional plastic interlocking compartment tile systems. For additional strength and reinforcement of the shelves a return break shall be provided on the outward lip. The adjustable shelf shall be capable of holding 250 lb.			
The shelves shall be sized, width and depth, to match the size and location in the compartment.			
Adjustable Tracks (1)			
Tracks shall be provided in L3 for use with adjustable shelves in deep non-transverse compartments. The tracks shall be vertically mounted and attached to the side and/or rear walls of the compartments.			
Tool board			
A tool board will be placed in L1 half way between the vertical divider and the back of the compartment. The tool board will be able to slide out and held into place with a shock. It will measure the entire height and depth of compartment L1. At the bottom of the toolboard a 4" "L" bracket running the entire depth will be fastened to accommodate a minimum of three (3) lock tight brackets.			
Roll-Out Trays (2)			
There shall be a floor mounted roll-out tray provided in compartment R3 and L3.			
The roll-out trays shall be constructed of 3/16" (.187") smooth aluminum plate with a sanded finish and welded corners for increased strength and rigidity. The trays shall be sized in width and depth as applicable.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
For greater tray accessibility, the drawer slides shall feature one hundred percent extension. The trays shall utilize a pneumatic shock to secure the tray in the open or closed position.			
The tray shall have a total capacity of 500 lbs.			
NFPA Hose bed Cover, Tarp			
The hose bed area shall have a tarp style hose bed cover. The hose bed end of the tarp should be held down with weights and non-secured to the bottom of the hose bed to allow for deployment of the hose. The hose bed cover shall be provided in compliance with NFPA.			
The water tank fill tower(s) shall be accessible with the covers in the closed position through a Velcro style opening.			
Aluminum Crosslay cover			
A cover constructed of aluminum tread plate shall be installed on the crosslay.			
The sides of the cover shall have integral flaps that extend down to cover the sides of the crosslay. The side flaps shall be secured in place to comply with the latest edition of NFPA 1901. The side flaps shall be red vinyl.			
Pump Module Width			
Pump Module to be 72" wide (side to side). Includes upper, lower, crosswalk, speedlay and tranverse module(s) if applicable.			
Top Mount Pump Module			
A top mount pump module shall be provided. It shall include an area for single stacked double crosslay with a notched divider and a top mount walkway with dual lighted LED folding steps with integral lights and (2) vertical mounted handrails.			
Top Mount Pump Panels			
The top mount gauge panel, driver and officer side pump panels shall be constructed of 14 gauge stainless steel.			
The top mount gauge panel shall be able to lift forward for access to panel mounted electrical connections.			
The driver and officer panels shall have the ability to be removed from the module for easier access and for maintenance in the pump area.			
Pump Access Doors			
The driver and officer side pump panels shall be divided into two (2) or three (3) pieces, depending on the height of the module, and vertically hinged.			
The pump panels shall be securely attached with a vertical full-length stainless steel piano type hinge with 1/4" pins along the forward edge of the pump module. The hinge shall be "staked" on every other knuckle to prevent the pin from sliding. The panels shall have push button style latches to secure the panels in the closed position and one (1) pneumatic shock to hold the upper panels in the open position.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
Control Panel Access			
The gauge panel shall swing downward/forward for access to electrical connections on panel. Includes two (2) cable hold opens, and push button latches.			
Pump Panel Tags			
Color coded pump panel labels shall be supplied to be in accordance with NFPA 1901 compliance.			
Pump Module Mainframe			
The module mainframe shall be for use with International chassis.			
Flex Joint			
The area between the pump modules and body shall include a rubber flex joint. Top Mount Walkway Compartments			
Top mount walkway compartments shall be provided. They shall include spring mounted hinged doors with push button latches. Each compartment shall include (1) incandescent light and shall be wired to a door ajar indicator			
Module Logos			
Logos with the OEM brand name shall be provided and shall be mounted one (1) each side of the pump module/pre-connect panels. Logos shall be sized as applicable to available space on panel(s).			
1030 Gallon Water Tank			
A 1030 gallon (US) "R" booster tank shall be supplied. The booster tank shall be of a pinned baffle design. The booster tank shall be completely removable without disturbing or dismounting the apparatus body structure.			
The booster tank top, sides, and bottom shall be constructed of 1/2" (0.50") black UV-stabilized copolymer polypropylene. The copolymer polypropylene tank material shall be welded together utilizing thermoplastic welding technology. A clean hot air temperature controlled process, shall ensure that each weld reaches its plasticized state without cold or hot spots. The copolymer polypropylene material shall be used for its high strength and corrosion resistance for a prolonged tank life.			
The booster tank shall have a fill tower with a rearward hinged lid. The fill tower shall be located in the forward area of the tank and shall assist with tank ventilation. The fill tower shall include a removable 1/4" (0.25") thick polypropylene screen.			
The booster tank shall have two (2) tank plumbing openings. One (1) for a tank-to-pump suction line with an anti-swirl plate, and one (1) for a tank fill line. A 3" cleanout plug shall be shall be provided at the bottom of the tank sump.			
The booster tank shall include longitudinal and latitudinal baffles. The baffles shall be interlocking and thermo welded to the shell of the tank to minimize water surge during travel and provide enhanced road handling stability. The baffle design shall allow water flow in accordance with NFPA during tank filling or pump operations.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
A 2.5' length of black flex hose shall be installed to the bottom of the tank. This shall direct the draining of overflow water past the rear axle and fuel tank, thus reducing the possibility of freeze-up of these components in cold environments. This drain configuration shall also assure that rear axle tire traction shall not be affected when moving forward.			
The booster tank shall undergo extensive testing prior to installation in the truck. The testing shall include an electronic spark and tank fill test after both the internal and external tank shell welds are completed.			
A lifetime manufacture's limited warranty shall be included.			
Tank capacity is 1030 US gallon / 857 Imperial gallons / 3898 Liters.			
Tank Fill 2 Akron Valve			
One (1) 2" pump-to-tank fill line having a 2" manually operated full flow valve. The valve control shall be located at the pump operator's panel and shall visually indicate the position of the valve at all times. The fill line shall be controlled using a chrome handle with an integral tag.			
The valve shall be an Akron 880011D series with a 316 stainless steel ball and dual polymer seats for ease of operation and increased abrasion resistance. The valve shall have a self-locking ball feature using an automatic friction lock design to balance the stainless steel ball when in a throttle position with water flowing through it.			
The valve shall be of unique Akron swing-out design to allow the valve body to be removed for servicing without disassembling the plumbing.			
All fabricated piping shall be a minimum of Schedule 10 stainless steel for superior corrosion resistance and decreased friction loss.			
Tank To Pump			
One (1) manually operated 3" Akron valve shall be installed between the pump suction and the booster tank, 4" piping, with flex hose and stainless steel hose clamps connected to the tank. The valve control shall be located at the pump operator's panel and shall visually indicate the position of the valve at all times.			
The valve shall be an Akron 8800RD series with a 316 stainless steel ball and dual polymer seats for ease of operation and increased abrasion resistance. The valve shall have a self-locking ball feature using an automatic friction lock design to balance the stainless steel ball when in a throttle position and water is flowing through it.			
The valve shall be of the unique Akron swing-out design to allow the valve body to be removed for servicing without disassembling the plumbing.			
All fabricated piping shall be a minimum of Schedule 10 stainless steel for superior corrosion resistance and decreased friction loss.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
A check valve shall be provided in the tank to pump supply line to prevent the possibility of "back filling" the water tank. The valve control shall be located at the pump operator's panel and shall visually indicate the position of the valve at all times.			
Inlet 2.5 Right side			
A 2.5" water inlet shall be installed into the right side of the booster tank and shall be controlled by a mounted 2.5" valve. The valve shall be constructed of brass and shall be of the quarter turn ball type. It shall come equipped with a strainer, 2.5" chrome NST swivel, chrome plug and retainer device.			
Hard Suction Hose Rack			
One (1) hard suction hose storage rack shall be provided on the driver side compartment top.			
The storage rack shall be constructed of anodized extruded aluminum and includes two (2) spring-mounted latch handles with stainless steel scuff plates. The scuff plates shall be located on the hose bed side to protect the painted surface.			
The storage rack shall be capable of storing one (1) 10' hard suction hose.			
Hard Suction Rack			
One (1) hard suction hose storage rack shall be provided on the officer side compartment top.			
The storage rack shall be constructed of anodized extruded aluminum and includes two (2) spring-mounted latch handles with stainless steel scuff plates. The scuff plates shall be located on the hose bed side to protect the painted surface.			
The storage rack shall be capable of storing one (1) 6" x 10' hard suction hose.			
Ladder Brand			
The ladder brand capable of being carried on the unit shall be Alco-Lite. Ladders			
The length of ladders capable of being stored shall be the following: 1-24' 2-section, 1-14' roof ladder and 1-10' attic ladder.			
Storage Tunnel Contents			
Storage tunnel capable of holding 1- 2-Section, 1- 14' Roof, 1- 10' Attic, 2-10' pike poles and 1-standard backboard.			
Hose Bed Folding Steps (3)			
Three (3) dual lighted LED folding steps shall be positioned to the driver side rear of the body. The steps shall be NFPA compliant for access to the hose bed storage area and in step height and surface area. The steps shall be staggered stepped as applicable with tailboard depth, not applicable with recessed step mounting.			
One (1) dual lighted LED folding step with LED lights integral to the step on the top to provide NFPA requirements of 2 FC on the stepping surface. Each step shall also have a LED light integral to the bottom of the step to meet NFPA requirements of a stepping surface up to 18" below the step.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
The folding step shall sustain a minimum static load of 500 lbs. The folding step shall also meet NFPA slip resistance qualifications.			
One (1) hand rail shall be installed (as applicable) in compliance with current NFPA. The hand rail shall be constructed of 6063T5 1.25" OD anodized aluminum tube, with an integral ribbed surface to assure a good grip for personnel safety, mounted between chrome stanchions.			
Folding Steps (6)			
Three (3) dual lighted LED folding steps shall be located officer side front compartment face and three (3) driver side front compartment face. The folding steps shall meet current NFPA in step height and surface area.			
Dual lighted LED folding step with LED lights integral to the step on the top to provide NFPA requirements of 2 FC on the stepping surface. Folding step shall also have a LED light integral to the bottom of the step to meet NFPA requirements of a stepping surface up to 18" below the step. The folding step shall sustain a minimum static load of 500 lbs. The folding step shall also meet NFPA slip resistance qualifications.			
One (1) hand rail shall be installed in compliance with current NFPA. The hand rail shall be constructed of 6063T5 1.25" OD anodized aluminum tube, with an integral ribbed surface to assure a good grip for personnel safety, mounted between chrome stanchions.			
Rear Mud Flaps			
The rear tires shall have a set of black mud flaps mounted behind the rear chassis wheels.			
Body Height and Mainframe Construction			
The body mainframe shall be entirely constructed of aluminum. The complete framework shall be constructed of 6061T6 and 6063T5 aluminum alloy extrusions welded together using 5356 aluminum alloy welding wire.			
The body mainframe shall include 3" x 3" 6061-T6 aluminum 318" (0.375") wall crossmember extrusion or 3" x 3" I-beam section aluminum extrusion depending on the application at the front of the body. A solid 3" x 3" "I-beam" section aluminum extrusion shall be provided the full width of the body forward and rearward of the rear wheel well. The crossmembers shall be designed to support the compartment framing and shall be welded to 1-3/16" x 3" (1.188" x 3") solid 6063-T5 aluminum frame sill extrusions. The frame sill extrusions shall be shaped to contour with the chassis frame rails and shall be protected from contact with the chassis frame rails by 5/16" x 2" (0.31" x 2") fiber-reinforced rubber strips to prevent wear and galvanic corrosion caused when dissimilar metals come in contact.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
Body Mounting System			
The main body shall be attached to the chassis frame rails with six (6) of 5/8" (0.625") diameter steel U-bolts. The rear of the body shall be spring mounted to allow for chassis flex. This body mounting system shall be used to allow easy removal of the body for major repair or disassembly.			
Water Tank Mounting System			
The body design shall allow the booster tank to be completely removable without disturbing or dismounting the apparatus body structure. The water tank shall rest on top of a 3" x 3" frame assembly covered with rubber shock pads and corner braces formed from 3/16" angled plate to support the tank. The booster tank mounting system shall utilize a floating design to reduce stress from road travel and vibration. To maintain low vehicle center of gravity the water tank bottom shall be mounted within 5" of the frame rail top.			
Hose bed Side Assembly			
The hose bed side assemblies shall be made of 3" x 3" slotted aluminum extrusion and 3/16" (.188") smooth plate. The hose bed side assemblies shall provide a 90" high body.			
The exterior hose bed side surface shall be completely sanded and deburred to assure a smooth finish and painted job color. The interior hose bed side surface shall be completely sanded and deburred to assure a smooth sanded finish.			
Hose Bed Capacity			
The hose bed shall have an NFPA required cubic foot capacity.			
Hose bed			
The area above the booster tank shall have a hose storage area provided. The hose bed shall be constructed entirely from maintenance-free, 3/4" deep x 7.5" wide, extruded aluminum slats that shall be pop-ripped into a one-piece grid system. Each slat shall have all sharp edges removed and have an anodized ribbed top surface that shall prevent the accumulation of water and allow for ventilation of wet hose.			
The hose bed shall include an open area for the fill tower(s). The hose bed design shall incorporate adjustable tracks in the forward area rearward of the fill tower(s) and the rearward area of the hose bed for the installation of an adjustable divider(s). The adjustable tracks shall hold an adjustable divider(s) mounting nut straight, so only a Philips head screwdriver is required to adjust a divider(s) from side to side.			
The hose bed shall be easily removable to allow access to the booster tank below.			
Hose Bed Dividers (2)			
Two (2) hose bed dividers shall be provided the full fore-aft length of the hose bed.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
The hose bed dividers shall be constructed of 1/4" (0.25") smooth aluminum plate with an extruded aluminum base welded to the bottom. The rear end of the dividers shall have a 3" radius corner to protect personnel. The dividers shall be natural finish aluminum for long-lasting appearance and shall be sanded and de-burred to prevent damage to the hose.			
The dividers shall be adjustable from side to side in the hose bed to accommodate varying hose loads.			
Hose Bed Divider Hand Hold			
There shall be a hand hole cut-out on the trailing edge of each hose bed divider. The cut-out is specifically sized for use in adjusting of the hose bed divider.			
Overall Height Restriction			
The apparatus shall have no overall height restrictions.			
Overall Length Restriction			
The unit has no overall length restrictions.			
Body Wheel Well			
The body wheel well frame shall be constructed from 6063-T5 aluminum extrusion with a slot the full length to permit an internal fit of 1/8" (0.125") aluminum tread plate. The wheel well trim shall be constructed from 6063-T5 formed aluminum extrusion. The wheel well liners shall be constructed of a 3/16" (.187") composite material. The liners shall be bolt-on and shall provide a maintenance-free and damage-resistant surface.			
Rubrail			
The pump area module(s) and body shall have rubrails mounted along the sides and at the rear.			
The rubrail shall be C-channel in design and constructed of 3/16" thick 6463T6 anodized aluminum extrusion. The rubrail shall be 2.75" high x 1.25" deep and shall extend beyond the body width to protect compartment doors and the body side. The rubrail depth shall allow marker and/or warning lights to be recessed inside for protection.			
The top surface of the rubrail shall have minimum of five (5) raised serrations. Each serration being a minimum of .1" in height and with cross grooves to provide a slip-resistant edge for the tailboard step and pump module running board areas. The rubrail shall be mounted a minimum of 3/16" off the pump module and body with nylon spacers. The ends of each section shall be provided with a finished rounded corner piece.			
SCBA Wheel Well Bottle and extinguisher storage			
The body wheel well area shall store up to four (4) SCBA cylinders on the officer side. The driver side will have room to accommodate a water can and ABC extinguisher (one on each side of the wheel) The bottles shall be externally secured in each storage area by a vertically hinged door which shall be secured in the closed position by a push button latch. The doors shall have a brushed stainless steel finish.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
Each storage area shall provide individual storage of a bottle and shall not allow forward or rearward movement of the bottle. The bottle(s) shall be removable from the storage area without the bottle(s) coming into contact with any surface area of the wheel well (NO EXCEPTIONS).			
Pump Rating			
The fire pump shall be rated at 1250 GPM.			
Hale Pump System			
The pump shall be a midship-mounted Hale QFLO 1250 GPM single stage centrifugal pump. The pump shall be mounted on the chassis frame rails and shall be split-shaft driven.			
The entire pump body and related parts shall be of fine grain alloy cast iron, with a minimum tensile strength of 30,000 PSI (207 MPa). All metal moving parts in contact with water shall be of high quality bronze or stainless steel. Pump body shall be horizontally split in two (2) sections for easy removal of impeller assembly, including wear rings and bearings from beneath the pump without disturbing pump mounting or piping.			
The pump impeller shall be hard, fine grain bronze of the mixed flow design and shall be individually ground and hand balanced. Impeller clearance rings shall be bronze, easily renewable without replacing impeller or pump volute body, and of wrap-around double labyrinth design for maximum efficiency.			
The pump shaft shall be heat-treated corrosion-resistant stainless steel and shall be rigidly supported by three (3) bearings for minimum deflection. The sleeve bearing is to be lubricated by a force fed, automatic oil lubricated design, pressure-balanced to exclude foreign material. The remaining bearings shall be heavy-duty, deep groove ball bearings in the gearbox and shall be splash-lubricated. Pump shaft must be sealed with double-lip oil seal to keep road dirt and water out of the gearbox.			
Two (2) 6" diameter suction ports with 6" NST male threads and removable screens shall be provided. The ports shall be mounted one (1) on each side of the midship pump and shall extend through the side pump panels. Inlets shall come equipped with long-handle chromed caps.			
A three (3) year pump warranty shall be provided as standard by Hale Products.			
Mechanical Seal			
A mechanical seal shall be provided on the inboard side of the pump. The mechanical seal shall be 2 inch diameter and shall be spring-loaded, maintenance-free, and self-adjusting.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
Priming System			
The electrically-driven priming pump shall be a positive displacement vane type. One (1) priming control, located at the pump operator's position, shall open the priming valve and start the priming motor. The primer shall be oil-less type. The priming valve shall be electronically interlocked to the Park Brake circuit to allow priming of the pump before the pump is placed in gear.			
Pump Shift			
The pump shift shall be pneumatically-controlled using a power shifting cylinder.			
The power shift control valve shall be mounted in the cab and be labeled PUMP SHIFT. The apparatus transmission shift control shall be furnished with a positive lever, preventing accidental shifting of the chassis transmission.			
A green indicator light shall be located in the cab and be labeled PUMP ENGAGED. The light shall not activate until the pump shift has completed its full travel into pump engagement position.			
A second green indicator light shall be located in the cab and be labeled OK TO PUMP. This light shall be energized when both the pump shift has been completed and the chassis automatic transmission has obtained converter lock-up (4th gear lock-up).			
One (1) pump panel-mounted GREEN indicator light shall be positioned above the throttle control on the pump operator's panel. The light shall be energized when the pump shift has been completed, chassis automatic transmission has obtained converter lock-up (4th gear lock-up), and the chassis parking brake is set.			
Test Plugs			
Two (2) test plugs shall be pump panel-mounted for third party testing of vacuum and pressures of the pump.			
Auxiliary Engine Cooler			
An engine cooler used to lower engine water temperature during prolonged pumping operations and controlled at the pump operator's panel shall be provided.			
The engine cooler shall be installed in the engine coolant system in such a manner as to allow cool pump water to circulate around engine water, thus forming a true heat exchanger action. Cooler inlet and outlet shall be continuous, preventing intermixing of engine coolant and pump water.			
Pump Certification: 1250 GPM			
The pump, when dry, shall be capable of taking suction and discharging water in accordance with current NFPA 1901. The pump shall be tested at the manufacturer's facility by an independent, third-party testing service. The conditions of the pump test shall be as outlined in current NFPA 1901.			
The tests shall include, at a minimum, the pump test, the pumping engine overload test, the pressure control system test, the priming device tests, the vacuum test, and the water tank to pump flow test as outlined in current NFPA 1901.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
A piping hydrostatic test shall be performed as outlined in current NFPA 1901.			
The pump shall deliver the percentage of rated capacities at pressures indicated below:			
100% of rated capacity at 150 psi net pump pressure			
100% of rated capacity at 165 psi net pump pressure			
70% of rated capacity at 200 psi net pump pressure			
50% of rated capacity at 250 psi net pump pressure			
A test plate, installed at the pump panel, shall provide the rated discharges and pressures together with the speed of the engine as determined by the certification test, and the no-load governed speed of the engine.			
A Certificate of Inspection certifying performance of the pump and all related components shall be provided at time of delivery. Additional certification documents shall include, but not limited to, Certificate of Hydrostatic Test, Electrical System Performance Test, Manufacturer's Record of Pumper Construction, and Certificate of Pump Performance from the pump manufacturer.			
Speed Counter			
The test connection shall be installed on the pump operator's panel to manually verify the vehicle engine speed displayed on the electronic tachometer.			
Steamers, Flush+1			
The pump 6" steamer Intake(s) shall be mounted approximately 1" from the pump panel to back of cap when installed. The "Flush+1" dimension can vary + or - 1-1/4" or as practicable depending on the pump module width and options selected. (Example 72" or 76" modules.)			
Location: driver's side, officer's side.			
Pump Cooler			
The pump shall have a 3/8" line installed from the pump discharge to the booster tank to allow a small amount of water to circulate through the pump casing in order to cool the pump during sustained periods of pump operation when water is not being discharged. The pump cooler line shall be controlled from the pump operator's panel by a 3/8" snubber valve.			
Intake 2.5 Top Mount Control Akron Valve			
One (1) 2-1/2" suction inlet with a manually operated 2-1/2" Akron valve shall be provided on the driver side pump panel.			
The valve shall be an Akron 8800M series with a 316 stainless steel ball and dual polymer seats for ease of operation and increased abrasion resistance. The valve shall have a self-locking ball feature using an automatic friction lock design to balance the stainless steel ball when in a throttle position and water is flowing through it.			
The valve shall be of the unique Akron swing-out design to allow the valve body to be removed for servicing without disassembling the plumbing.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
The outlet of the valve shall be connected to the suction side of the pump with the valve body located behind the pump panel. The valve shall come equipped with a brass inlet strainer, 2-1/2" NST female chrome inlet swivel and shall be equipped with a chrome plated, rocker lug plug with a retainer device.			
The valve shall be controlled by a vertically mounted quarter turn locking handle located on the top mounted pump operator's panel and shall visibly indicate the position of the valve at all times.			
All fabricated piping shall be a minimum of Schedule 10 stainless steel for superior corrosion resistance, and decreased friction loss.			
A 3/4" bleeder valve assembly will be installed on the side pump panel.			
Right Intake 2.5 Akron Valve			
One (1) 2-1/2" gated suction inlet with a manually operated Akron valve shall be installed in the right side pump panel with the valve body behind the panel. The valve control shall be located at the intake and shall visually indicate the position of the valve at all times.			
The valve shall be an Akron 8800HD series with a 316 stainless steel ball and dual polymer seats for ease of operation and increased abrasion resistance. The valve shall have a self-locking ball feature using an automatic friction lock design to balance the stainless steel ball when in a throttle position and water is flowing through it.			
The valve shall be of the unique Akron swing-out design to allow the valve body to be removed for servicing without disassembling the plumbing.			
The outlet of the valve shall be connected to the suction side of the pump with the valve body located behind the pump panel. The valve shall come equipped with a brass inlet strainer, 2-1/2" NST female chrome inlet swivel and shall be equipped with a chrome plated, rocker-lug plug with a retainer device.			
All fabricated piping shall be a minimum of Schedule 10 stainless steel for superior corrosion resistance, and decreased friction loss.			
A 3/4" bleeder valve assembly will be installed on the right side pump panel.			
Hale Intake Relief Valve			
The pump shall be equipped with a Hale stainless steel variable pressure setting suction side relief valve. It shall be designed to operate at a maximum inlet pressure of 200 psi. The valve shall be normally closed and shall limit pressures in the pumping system. When excessive intake pressures are received, the water shall be directed below the body to an area visible to the pump operator. The outlet shall terminate with a male 2-1/2" NPT threaded fitting.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
Front Jump Line 2.5 Akron Valve			
One (1) 2.5" preconnect outlet with a manually operated Akron valve shall be supplied to the extended front bumper. The preconnect shall consist of a 2.5" heavy duty hose coming from the pump discharge manifold to a 2.5" mechanical swivel hose connection to permit the use of the hose from either side of the apparatus.			
The valve shall be an Akron 8800HD series with a 316 stainless steel ball and dual polymer seats for ease of operation and increased abrasion resistance. The valve shall have a self-locking ball feature using an automatic friction lock design to balance the stainless steel ball when in a throttle position with water flowing through it.			
The valve shall be of the unique Akron swing-out design to allow the valve body to be removed for servicing without disassembling the plumbing.			
An air blow-out valve shall be installed between the chassis air reservoir and the front jump line. The control shall be installed on the pump operator's panel.			
The discharge shall be supplied with a Class 1 automatic 3/4" drain valve assembly. The automatic drain shall have an all-brass body with stainless steel check assembly. The drain shall normally be open and automatically close when the pressure is greater than 6 psi.			
The valve control shall be located at the pump operator panel and shall visually indicate the position of the valve at all times.			
All fabricated piping shall be a minimum of Schedule 10 stainless steel for superior corrosion resistance and decreased friction loss.			
Right Front 2.5 Hose Bed Akron Valve			
One (1) 2-1/2" preconnect outlet with a manually operated Akron valve shall be supplied to the lower right of the apparatus hose bed. The preconnect shall consist of a 2-1/2" heavy-duty hose coming from the pump discharge manifold to a 2-1/2" adapter.			
The valve shall be an Akron 8800HD series with a 316 stainless steel ball and dual polymer seats for ease of operation and increased abrasion resistance. The valve shall have a self-locking ball feature using an automatic friction lock design to balance the stainless steel ball when in a throttle position with water flowing through it.			
The valve shall be of the unique Akron swing-out design to allow the valve body to be removed for servicing without disassembling the plumbing.			
The valve control shall be located at the pump operator panel and shall visually indicate the position of the valve at all times.			
All fabricated piping shall be a minimum of Schedule 10 stainless steel for superior corrosion resistance and decreased friction loss.			
Deck Gun 3" Discharge Akron Valve			
One (1) 3" deck gun discharge outlet with a manually operated Akron valve and 3" stainless steel pipe shall be provided above the pump compartment.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
The valve shall be an Akron 8800HD series with a 316 stainless steel ball and dual polymer seats for ease of operation and increased abrasion resistance. The valve shall have a self-locking ball feature using an automatic friction lock design to balance the stainless steel ball when in a throttle position with water flowing through it.			
The valve shall be of the unique Akron swing-out design to allow the valve body to be removed for servicing without disassembling the plumbing.			
The valve shall be equipped with a device that limits the opening and closing speeds to comply with the current edition of NFPA 1901.			
The valve control shall be located at the pump operator's panel and shall visually indicate the position of the valve at all times.			
All fabricated piping shall be a minimum of Schedule 10 stainless steel for superior corrosion resistance and decreased friction loss.			
Front Bumper Discharge Swivel			
There shall be a brass swivel provided for the front bumper discharge located close to the center of the bumper next to the hose tray in the bumper.			
1.5 Crosslays Akron Valves (2)			
Two (2) crosslay discharges shall be provided at the front area of the body. The crosslays shall include one (1) 2" brass swivel with a 1-1/2" hose connection to permit the use of hose from either side of the apparatus.			
The crosslay hose bed shall consist of a 2" heavy-duty hose coming from the pump discharge manifold to the 2" swivel. The hose shall be connected to a manually operated 2" Akron valve. The valve shall be an Akron 8800HD series with a 316 stainless steel ball and dual polymer seats for ease of operation and increased abrasion resistance. The valve shall have a self-locking ball feature using an automatic friction lock design to balance the stainless steel ball when in a throttle position with water flowing through it.			
The valves shall be of the unique Akron swing-out design to allow the valve body to be removed for servicing without disassembling the plumbing.			
The valve control shall be located at the pump operator's panel and shall visually indicate the position of the valve at all times.			
All fabricated piping shall be a minimum of Schedule 10 stainless steel for superior corrosion resistance and decreased friction loss.			
Location: crosslay 1 & 2.			
Discharge Left Panel 2.5 Akron Droop (2)			
Two (2) 2-1/2" discharge outlets with a manually operated Akron valves shall be provided at the left hand side pump panel.			
The valve shall be an Akron 8800HD series with a 316 stainless steel ball and dual polymer seats for ease of operation and increased abrasion resistance. The valve shall have a self-locking ball feature using an automatic friction lock design to balance the stainless steel ball when in a throttle position and water is flowing through it.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
The valve shall be of the unique Akron swing-out design to allow the valve body to be removed for servicing without disassembling the plumbing.			
The valve control shall be located at the pump operator panel and shall visually indicate the position of the valve at all times.			
The discharge shall extend out beyond the pump panel with a 30 degree downward angle with 2-1/2" NST threads to help prevent kinking of the discharge hose. The 30 degree droop shall be an integral part of the discharge valve and shall be equipped with a chrome plated rocker lug cap with a retainer chain.			
The discharge shall be supplied with a 3/4" bleeder valve assembly. The bleeder valve shall be installed to drain water from the gauge pressure line to prevent freezing of the line. The drain shall be controlled with a quarter-turn valve on the pump panel.			
All fabricated piping shall be a minimum of Schedule 10 stainless steel for superior corrosion resistance and decreased friction loss.			
Location: left side discharge 1, left side discharge 2.			
Discharge Right Panel 2.5 Akron Droops (2)			
Two (2) 2-1/2" discharge outlets with a manually-operated Akron valves shall be provided at the right side pump panel.			
The valve shall be an Akron 8800HD series with a 316 stainless steel ball and dual polymer seats for ease of operation and increased abrasion resistance. The valve shall have a self-locking ball feature using an automatic friction lock design to balance the stainless steel ball when in a throttle position with water flowing through it.			
The valve shall be of the unique Akron swing-out design to allow the valve body to be removed for servicing without disassembling the plumbing.			
Plumbed to: front bumper discharge, left rear discharge, officer's side hose bed preconnect, crosslay preconnect, left discharge, right discharge.			
Auto Drain Valve For: deck gun.			
The specified discharge shall be supplied with a Class 1 automatic 3/4" drain valve assembly.			
The automatic drain shall have an all-brass body with stainless steel check assembly. The drain shall normally be open and automatically close when the pressure is greater than 6 psi.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
Pump Pressure Governor			
The apparatus shall be equipped with a Class 1 engine/pump pressure governor/throttle system connected directly to the Electronic Control Module (ECM) mounted on the engine. The governor shall control and monitor the pump master discharge pressure, eliminating any need for a relief valve on the discharge side of the pump. A special preset feature shall permit a predetermined pressure or RPM to be set and hold it against varying flow rates at independent discharge lines by modulating engine rotation speed. Control of the engine speed shall be dictated by pre-programmed software in the electronic control module. The preset shall be easily adjustable by the operator.			
The Class 1 system shall be installed in place of the discharge relief valve and the pump panel mounted hand throttle.			
A display/control unit shall be mounted on the pump operator's panel. The control unit shall be a self-contained, weatherproof module, approximately 4.5" W x 6" H. The display unit shall provide alpha-numeric display.			
Tank Level Gauge			
One (1) Class 1 brand Weill-Tank TM water tank level gauge shall be located at the pump operator's panel of the apparatus to provide wide angle viewing and a high-visibility display of the water tank level. Four (4) ultra-bright LED's (light emitting diodes) on the display module allow the full, 3/4, 1/2 and refill levels to be easily distinguished at a glance.			
One (1) wheel tank status light model PSTANK (Green, blue, amber, red) will be mounted on or close to the pump panel on both the driver and passenger side and one on the rear of the apparatus on the passenger side.			
The long life and extreme durability of LED indicators eliminates light bulb replacement and maintenance. Color coded cover plates shall complete the assembly of the display module.			
The system shall calibrate to any size and shape of tank and has a built-in diagnosis feature. It comes complete with an industrial pressure transducer, which will provide nine (9) accurate levels of indications. Each display also has a programmable night dimming feature.			
Compound Pressure Gauges (2)			
A Class 1 weatherproof 4-1/2" compound vacuum pressure gauge with a range of 30-0-600 shall be installed on the pump panel. The gauge shall be filled with a liquid solution.			
Enfo IV System			
The apparatus shall be equipped with a Class 1 Enfo IV electronic system and engine operating information display/warning system mounted on the pump operator's panel. The gauge shall be a self-contained, weatherproof display, approximately 4.5"H x 6"W. Features:			
· Engine RPM - engine RPM shall be displayed numerically.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
<ul style="list-style-type: none"> System voltage display and alarm - a display shall be provided to indicate voltage and an audible alarm warning of low voltage. If the system voltage drops below 11.9 volts (12V ignition), or below 23.8 volts (24V ignition), for more than 2 seconds the audible alarm shall activate and shall cause the display to alternate between the current value and "LO" to warn the operator. 			
<ul style="list-style-type: none"> Engine temperature display and alarm - a display shall be provided to indicate engine temperature and an audible alarm warning of high engine temperature. If the engine temperature reaches 250 degrees F or higher the audible alarm shall activate and the display shall alternate between the current temperature and "HI" to warn the operator. 			
<ul style="list-style-type: none"> Engine oil pressure display and alarm - a display shall be provided to indicate oil pressure and an audible alarm warning of low oil pressure. If the oil pressure drops to 10 PSI or lower the audible alarm shall activate and the display shall alternate between the current pressure and "LO" to warn the operator. 			
<p>The connection to the apparatus shall be achieved by the use of a Deutsch four (4) position socket connector.</p>			
<p>Compound Pressure Gauge</p>			
<p>A Class 1 weatherproof 2-1/2" compound vacuum pressure gauge with a range of 30-0-600 shall be installed on the pump panel. The gauge shall be filled with a liquid solution to assure visual reading to within 1% accuracy.</p>			
<p>Gauge shall be provided for the following discharge(s): front bumper discharge, left rear discharge, 1.5 in. crosslay preconnect, deck gun, officer's side hose bed preconnect, left side discharge 1, left side discharge 2, right side discharge 1, right side discharge 2.</p>			
<p>Multiplex Electrical System</p>			
<p>The following specifications describe the low voltage electrical system on the specified fire apparatus. The electrical system shall include all panels, electrical components, switches and relays, wiring harnesses and other electrical components. The electrical equipment installed by the apparatus manufacturer shall conform to current automotive electrical system standards, the latest Federal DOT standards, and the requirements of the applicable NFPA 1901 standards.</p>			
<p>The apparatus shall have a multiplexing system to provide diagnostic capability. The system shall have the capability of delivering multiple signals via a CAN bus, utilizing specifications set forth by SAE J1939. The electrical system shall be pre-wired for computer modem accessibility to allow service personnel to easily plug in a modem to allow remote diagnostics, troubleshooting, or program additions.</p>			
<p>For superior system integrity, the networked system shall meet the following minimum requirement components:</p>			
<ul style="list-style-type: none"> Power management center 			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
· Load shedding power management			
· Solid-state circuitry			
· Switch input capability			
· Responsible for lighting device activation			
· Self-contained diagnostic indicators			
· Power distribution module			
<p>All wiring shall be stranded copper or copper alloy conductors of a gauge rated to carry 125 percent of the maximum current for which the circuit is protected. Voltage drops in all wiring from the power source to the using device shall not exceed 10 percent. The wiring and wiring harness and insulation shall be in conformance to applicable SAE and NFPA standards. The wiring harness shall conform to SAE J-1128 with GXL temperature properties. All exposed wiring shall be run in a loom with a minimum 289 degree Fahrenheit rating. All wiring looms shall be properly supported and attached to body members. The electrical conductors shall be constructed in accordance with applicable SAE standards, except when good engineering practice requires special construction.</p>			
<p>The wiring connections and terminations shall use a method that provides a positive mechanical and electrical connection and shall be installed in accordance with the device manufacturer's instructions. Electrical connections shall be with mechanical type fasteners and large rubber grommets where wiring passes through metal panels.</p>			
<p>The wiring between the cab and body shall be split using Deutsch type connectors or enclosed in a terminal junction panel area. This system will permit body removal with minimal impact on the apparatus electrical system. All connections shall be crimp-type with heat shrink tubing with insulated shanks to resist moisture and foreign debris such as grease and road grime. Weather-resistant connectors shall be provided throughout to ensure the integrity of the electrical system.</p>			
<p>Any electrical junction or terminal boxes shall be weather-resistant and located away from water spray conditions. In addition, the main body junction panel shall house the automatic reset breakers and relays where required.</p>			
<p>There shall be no exposed electrical cabling, harnesses, or terminal connections located in compartments, unless they are enclosed in an electrical junction box or covered with a removable electrical panel. The wiring shall be secured in place and protected against heat, liquid contaminants and damage. Wiring shall be uniquely identified at least every two feet (2') by color coding or permanent marking with a circuit function code and identified on a reference chart or electrical wiring schematic per requirements of applicable NFPA 1901 standards.</p>			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
<p>The electrical circuits shall be provided with low voltage overcurrent protective devices. Such devices shall be accessible and located in required terminal connection locations or weather-resistant enclosures. The overcurrent protection shall be suitable for electrical equipment and shall be automatic reset type and meet SAE standards. All electrical equipment, switches, relays, terminals, and connectors shall have a direct current rating of 125 percent of maximum current for which the circuit is protected. The system shall have electro-magnetic interference suppression provided as required in applicable SAE standards.</p>			
<p>The electrical system shall include the following:</p>			
<p>a) Electrical terminals in weather exposed areas shall have a non-conductive grease or spray applied. A corrosion preventative compound shall be applicable to all terminal plugs located outside of the cab or body.</p>			
<p>b) The electrical wiring shall be harnessed or be placed in a protective loom.</p>			
<p>c) Heat shrink material and sealed connectors shall be used to protect exposed connections.</p>			
<p>d) Holes made in the roof shall be caulked with silicone. Large fender washers shall be used when fastening equipment to the underside of the cab roof.</p>			
<p>e) Any electrical component that is installed in an exposed area shall be mounted in a manner that will not allow moisture to accumulate in it.</p>			
<p>f) A coil of wire must be provided behind an electrical appliance to allow them to be pulled away from mounting area for inspection and service work.</p>			
<p>g) All lights that have their sockets in a weather exposed area shall have corrosion preventative compound added to the socket terminal area.</p>			
<p>The warning lights shall be switched in the chassis cab with labeled switching in an accessible location. Individual rocker switches shall be provided only for warning lights provided over the minimum level of warning lights in either the stationary or moving modes. All electrical equipment switches shall be mounted on a switch panel mounted in the cab convenient to the operator. For easy nighttime operation, an integral indicator light shall be provided to indicate when the circuit is energized. All switches shall be appropriately identified as to their function.</p>			
<p>A single warning light switch shall activate all required warning lights. This switch will allow the vehicle to respond to an emergency and "call for the right of way". When the parking brake is activated, a "blocking right of way" system shall be automatically activated per requirements of NFPA #1901. All "clear" warning lights shall be automatically shed on actuation of parking brake.</p>			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
NFPA Required Testing of Electrical System			
The apparatus shall be electrical tested upon completion of the vehicle and prior to delivery. The electrical testing, certifications, and test results shall be submitted with delivery documentation per requirements of NFPA #1901. The following minimum testing shall be completed by the apparatus manufacturer:			
1. Reserve capacity test:			
The engine shall be started and kept running until the engine and engine compartment temperatures are stabilized at normal operating temperatures and the battery system is fully charged. The engine shall be shut off and the minimum continuous electrical load shall be activated for ten (10) minutes. All electrical loads shall be turned off prior to attempting to restart the engine. The battery system shall then be capable of restarting the engine. Failure to restart the engine shall be considered a test fail.			
2. Alternator performance test at idle:			
The minimum continuous electrical load shall be activated with the engine running at idle speed. The engine temperature shall be stabilized at normal operating temperature. The battery system shall be tested to detect the presence of battery discharge current. The detection of battery discharge current shall be considered a test failure.			
3. Alternator performance test at full load:			
The total continuous electrical load shall be activated with the engine running up to the engine manufacturer's governed speed. The test duration shall be a minimum of two (2) hours. Activation of the load management system shall be permitted during this test. However, an alarm sounded by excessive battery discharge, as detected by the system required in NFPA #1901 Standard, or a system voltage of less than 11.7 volts dc for a 12 volt nominal system, for more than 120 seconds, shall be considered a test failure.			
4. Low voltage alarm test:			
Following the completion of the above tests, the engine shall be shut off. The total continuous electrical load shall be activated and shall continue to be applied until the excessive battery discharge alarm activates. The battery voltage shall be measured at the battery terminals. With the load still applied, a reading of less than 11.7 volts dc for a 12 volt nominal system shall be considered a test failure. The battery system shall then be able to restart the engine. Failure to restart the engine shall be considered a test failure.			
NFPA Required Documentation			
The following documentation shall be provided on delivery of the apparatus:			
a. Documentation of the electrical system performance tests required above.			
b. A written load analysis, including:			
<ul style="list-style-type: none"> • The nameplate rating of the alternator. 			
<ul style="list-style-type: none"> • The alternator rating under the conditions. 			
<ul style="list-style-type: none"> • Each specified component load. 			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
<ul style="list-style-type: none"> Individual intermittent loads. 			
Vehicle Data Recorder			
A vehicle data recorder system shall be provided to comply with NFPA 1901, 2009 edition. The following data shall be monitored:			
· Vehicle speed MPH			
· Acceleration (from speedometer) MPH/Sec.			
· Deceleration (from speedometer) MPH/Sec.			
· Engine speed RPM			
· Engine throttle position % of full 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 time			
· Date Year/Month/Day			
Occupant Detection System			
There shall be a visual and audible warning system installed in the cab that indicates the occupant buckle status of all cab seating positions that are designed to be occupied during vehicle movement.			
The audible warning shall activate when the vehicle's park brake is released and a seat position is not in a valid state. A valid state is defined as a seat that is unoccupied and the seat belt is unbuckled, or one that has the seat belt buckled after the seat has been occupied.			
The visual warning shall consist of a graphical display that will continuously indicate the validity of each seat position.			
The system shall include a display panel with LED back-lit ISO indicators for each seating position, seat sensor and safety belt latch switch for each cab seating position, audible alarm and braided wiring harness.			
The display panel shall be located outboard on driver's side overhead console. Light Bar			
A Whelen Freedom series 66" all LED light bar (model FN66QLED LLTH66) shall be provided. The light bar shall consist of two white, six red LED modules & MKEZ7 mounts.			
No rear facing LEDs.			
Lens color: Clear			
The white LEDs shall be switched off in blocking right of way mode.			
The light bar shall be installed in the following location: Centered on the front cab roof.			
Lower Level Warning Light Package			
Eight (8) Whelen Super 600 LED light heads and two (2) Whelen Super 500 LED light heads shall be provided.			
The rectangular lights shall include chrome flanges where applicable. The lights shall be wired with weatherproof connectors and shall be mounted as close to the corner points of the apparatus as is practical as follows:			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
· Two (2) Whelen 600 Super LED Red lights on the front of the apparatus facing forward			
· Two (2) Whelen 600 Super LED Red lights on the rear of the apparatus facing rearward			
· Two (2) lights each side of the apparatus, one (1) Whelen 600 Super LED Red each side at the forward most point (as practical), and one (1) Whelen 500 Super LED TIRE Red with model STSMAC chrome flange each side at the rearward most point (as practical).			
· One (1) Whelen 600 Super LED Red light each side of the apparatus centrally located to provide mid ship warning light.			
The side facing lights shall be located at forward most position, centered in rear wheel well, and side facing at rear of body in rubrail if equipped.			
All warning devices shall be surface mounted in compliance with NFPA standards.			
Upper Rear Warning Lights			
Two (2) Whelen model L31H Super LED beacons with Red domes shall be supplied.			
The lights shall be located rear upper body on aerial style brackets to meet Zone C upper requirements.			
Hazard (Door Ajar) Light			
There shall be a 2.5" red incandescent hazard light installed as specified.			
The light shall be located center overhead.			
Electronic Siren			
A Whelen epsilon siren model 295SLS or 295HFS with attached microphone shall be installed. The unit shall be capable of driving a single high power speaker up to 200 watts to achieve a sound output level that meets Class "A" requirements.			
Operating modes shall include Hi-Lo, yelp, wail, P.A., air horn and radio re-broadcast.			
The siren shall be recessed mounted in the cab.			
Electronic Siren Control Location			
The electronic siren control shall be located in the center overhead.			
Siren Speaker			
One (1) Whelen 200 watt speaker shall be flush mounted as far forward and as low as possible on the front of the vehicle, preferably in the bumper. A polished model grille shall be provided on the outside of the speaker to prevent road debris from entering the speaker.			
Speaker dimensions shall be: 5.5 in. high x 5.9 in. wide x 2.5 in. deep. Weight = 5.5 lbs.			
The speaker shall produce a minimum sound output of 120 dB at 10 feet to meet current NFPA 1901 requirements.			
The speaker shall be located officer side front bumper.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
Tail Lights			
Two (2) Whelen model 600 series LED (Light Emitting Diode) lights with one (1) Whelen 600 series halogen light shall be installed in a Cast 3 housing in a vertical position each side at rear and wired with weatherproof connectors.			
Light functions shall be as follows:			
· LED red running light with red brake light in upper position.			
· LED amber populated arrow pattern turn signal in middle position.			
· LED clear back-up light in lower position.			
A one-piece polished aluminum trim casting shall be mounted around the three (3) individual lights in a vertical position.			
License Plate Light			
One (1) Truck-Lite model 15905 white LED license plate light mounted in a Truck-Lite model 15732 chrome plated plastic license plate housing shall be mounted at the rear of the body.			
Body Marker Lights			
Trucklite LED clearance lights shall be installed as specified.			
Upper Body:			
· One (1) red LED clearance light each side, rear of body to the side. Lower Body:			
· Three (3) red LED clearance lights centered at rear, recessed in the rubrail.			
· One (1) red LED clearance light each side at the trailing edge on either side of the apparatus body, recessed in the rubrail.			
· One (1) amber LED clearance / auxiliary turn light each side front of body, recessed in the rubrail.			
· A rectangular shaped marker light with a red colored lens shall be installed at the trailing edge on each side of the apparatus body/module, recessed in the rubrail.			
Compartment Light Package			
Rope style LED lighting shall be used in each compartment. There should be enough lighting to ensure that visibility of the components inside the compartment are visible when operating inside the compartment.			
Compartment lights shall be wired to a master on/off rocker switch on the cab switch panel. Each light shall be in a resilient shock-absorbent mount for improved bulb life.			
The wiring connection for the compartment lights shall be made with a weather-resistant plug in style connector. A single water and corrosion-resistant switch with a polycarbonate actuator and sealed contacts shall control each compartment light. The switch shall allow the light to illuminate if the compartment door is open.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
Ground Lights			
The apparatus shall be equipped with a sufficient quantity of lights to properly illuminate the ground areas around the apparatus in accordance with current NFPA requirements. The lights shall be LED with clear lenses mounted in a resilient shock-absorbent mount for improved bulb life. The wiring connections shall be made with a weather-resistant plug-in style connector.			
Ground area lights shall be switched from the cab dash with the work light switch.			
One (1) ground light shall be supplied under each side of the front bumper extension if equipped.			
Lights in areas under the driver and crew area exits shall be activated automatically when the exit doors are opened.			
Recessed Step Light			
Two (2) recessed LED lights with clear lens shall be provided to illuminate the step at the location specified.			
Location: one (1) each side of the top mount walkway.			
Deck Lights			
Two (2) Unity model AGS4413 6" chrome plated 12 volt, 35 watt floodlights shall be installed at the rear of the apparatus. Each light shall be manually operated by an on/off switch at the light.			
Location: rear body/beavertail area on the trailing edge up high.			
Hose Bed Light			
One (1) LED floodlight shall be installed at the front area of the hose bed to provide hose bed lighting per current NFPA 1901. The hose bed light shall be manually operated by the work light on/off switch located in the cab. An on/off switch shall also be provided on the light.			
Engine Compartment Light			
There shall be lighting provided in compliance with NFPA to illuminate the engine compartment area.			
Pump Compartment Light			
A LED light shall be provided in the pump compartment area for NFPA compliance. The light shall be wired to operate with the work light switch in the cab.			
Cab Dome Lights (2)			
Two (2) large LED clear dome lights with 3-position switch shall be installed, one above each front cab door.			
Pump Panel Lighting Package - Top Mount			
Pump panel lighting shall be provided for a top mount pump module in accordance with NFPA.			
The top mount control panel shall have minimum three (3) LED lights mounted above the operator's control panel.			
The driver side pump control panel shall have one LED light mounted under a protective cover that is above the driver side pump panel. The officer side shall have one (1) LED light mounted under a protective cover that is above the officer side pump panel.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
The lights shall be activated by the work light switch in the cab when the park brake is set.			
Scene lighting			
Two (2) Spectra LED hard wired to the trucks electrical system will be mounted on the driver and passenger side at the pump panel. They will be mounted on telescoping poles 24' -48" in length as allowable. On/Off switches for the lighting will be located in the cab in a position accessible to the operator when seated in the driver's seat.			
Back-Up Alarm			
An electronic back-up alarm shall be supplied. The 97 d13 alarm shall be wired into the chassis back-up lights to signal when the vehicle is in reverse gear.			
DOT Required Drive Away Kit			
Three (3) triangular warning reflectors with carrying case shall be supplied to satisfy the DOT requirement.			
Un-Painted Pump/Pre-Connect Module(s)			
All applicable pump application modules shall have a sanded finish (not painted job color). Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module shall be painted job color.			
Paint Body Small			
The apparatus body shall be painted Sikkens FLNA3225 Red. The paint process shall meet or exceed current state regulations concerning paint operations. Pollution control shall include measures to protect the atmosphere, water, and soil. Contractor shall, upon demand, provide evidence that the manufacturing facility is in compliance with State EPA rules and regulations.			
The aluminum body exterior shall have no mounted components prior to painting to assure full coverage of metal treatments and paint to the exterior surfaces of the body. Any vertically or horizontally hinged smooth-plate compartment doors shall be painted separately to assure proper paint coverage on body, door jambs and door edges.			
Paint process shall feature Sikkens high solid LV products and be performed in the following steps:			
· Corrosion Prevention - all aluminum surfaces shall be pre-treated with the Alodine 5700 conversion coating to provide superior corrosion resistance and excellent adhesion of the base coat.			
· Sikkens Sealer/Primer LV - acrylic urethane sealer/primer shall be applied to guarantee excellent gloss hold-out, chip resistance and a uniform base color.			
· Sikkens High Solid LVBT650 (Base coat) - a lead-free, chromate-free high solid acrylic urethane base coat shall be applied, providing excellent coverage and durability. A minimum of two (2) coats shall be applied.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
<p>Sikkens High Solid LVBT650 (Clear coat) - high solid LV clear coat shall be applied as the final step in order to ensure full gloss and color retention and durability. A minimum of two (2) coats shall be applied.</p>			
<p>Any location where aluminum is penetrated after painting, for the purpose of mounting steps, hand rails, doors, lights, or other specified components shall be treated at the point of penetration with a corrosion inhibiting pre-treatment (ECK Corrosion Control). The pretreatment shall be applied to the aluminum sheet metal or aluminum extrusions in all locations where the aluminum has been penetrated. All hardware used in mounting steps, hand rails, doors, lights, or other specified components shall be individually treated with the corrosion inhibiting pre-treatment.</p>			
<p>After the paint process is complete, the gloss rating of the unit shall be tested with a 20 degree gloss meter. Coating thickness shall be measured with a digital MIL gauge and the orange peel with a digital wave scan device.</p>			
<p>Commercial Cab Paint</p>			
<p>The apparatus cab shall be painted with Sikkens paint from the chassis supplier. The cab paint color shall be FLNA3225 Red.</p>			
<p>Paint shall be warranted by the cab/chassis manufacturer.</p>			
<p>Sign Gold Letters</p>			
<p>3" high Sign Gold letters shall be applied as specified by the Georgetown County F.D.</p>			
<p>Lettering Shade and Outline</p>			
<p>Existing letter shall be shaded and outlined in black to contrast the letters.</p>			
<p>Chassis and Body Stripe</p>			
<p>A straight chassis and body Scotchlite stripe, 6" minimum in width shall be supplied. The stripe shall be NFPA compliant with the color and location to be specified by the purchaser.</p>			
<p>Location: bottom of stripe flush with bottom of cab and straight back.</p>			
<p>Color: White.</p>			
<p>NFPA Rear Chevron Striping</p>			
<p>A printed pattern scotch lite chevron striping shall be provided on the rear of the apparatus in compliance with NFPA. The printed pattern shall consist of 6" Yellow/Red alternating stripes in an "A" pattern.</p>			
<p>The striping shall be located on the rear compartment facing, rear panels and/or doors outboard of and above the rear compartment opening as applicable and the vertical hose bed extrusions (striping to terminate just above the upper handrail stanchion).</p>			
<p>The vertical and horizontal extrusions inboard of the vertical hose bed extrusions shall remain visible with a sanded finish.</p>			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
Rear-end Compartment Door Chevron Striping			
A printed pattern scotch lite chevron striping shall be provided on the rear compartment door. The printed pattern shall consist of 6" Yellow/Red alternating stripes in an "A" pattern.			
Statement of Warranty			
1-Year Standard Warranty			
The apparatus manufacturer shall provide a full 1-year standard warranty. All components manufactured by the apparatus manufacturer shall be covered against defects in materials or workmanship for a 1-year period. All components covered by separate suppliers such as engines, transmissions, tires, and batteries shall maintain the warranty as provided by the component supplier. A copy of the warranty document shall be provided with the proposal.			
10 Year 100000 Mile Structural Warranty			
The apparatus manufacturer shall provide a comprehensive 10-year/100,000-mile structural warranty. This warranty shall cover all structural components of the cab and/or body manufactured by the apparatus manufacturer against defects in materials or workmanship for 10 years or 100,000 miles, whichever occurs first. Excluded from this warranty are all hardware, mechanical items, electrical items, or paint finishes. A copy of the warranty document shall be provided with the proposal.			
10 Year Stainless Steel Plumbing Warranty			
The apparatus manufacturer shall provide a full 10-year stainless steel plumbing components warranty. This warranty shall cover defects in materials or workmanship of apparatus manufacturer designed foam/water plumbing system stainless steel components for 10 years. A copy of the warranty document shall be provided with the proposal.			
10 Year Paint and Corrosion Warranty			
The apparatus manufacturer shall provide a 10-year limited paint and corrosion perforation warranty. This warranty shall cover paint peeling, cracking, blistering, and corrosion provided the vehicle is used in a normal and reasonable manner.			
The paint shall be prorated for 10 years as follows:			
Topcoat & Appearance: Gloss, Color Retention, Cracking			
<ul style="list-style-type: none"> • 0 to 72 months 100% 			
<ul style="list-style-type: none"> • 73 to 120 months 50% 			
Coating System, Adhesion & Corrosion: Includes dissimilar metal corrosion, Flaking, Gloss, Color Retention, Cracking Blistering, Bubbling			
<ul style="list-style-type: none"> • 0 to 36 months 100% 			
<ul style="list-style-type: none"> • 37 to 84 months 50% 			
<ul style="list-style-type: none"> • 85 to 120 months 25% 			
Corrosion perforation shall be covered 100% for 10 years. Corrosion perforation is defined as complete penetration through the exterior metal of the apparatus.			

ITEM/DESCRIPTION	YES [√]	NO [√]	Exception
The warranty period shall begin upon delivery of the apparatus to the original user-purchaser. A copy of the warranty document shall be provided with the proposal.			
UV paint fade shall be covered in a separate warranty supplied by Akzo Nobel (Sikkens) and shall be for a minimum of 10 years.			
Electronic Manuals			
Two (2) copies of all operator, service, and parts manuals MUST be supplied at the time of delivery in electronic format (CD/DVD-ROMs) - NO EXCEPTIONS! The electronic manuals shall include the following information:			
Operating Instructions, descriptions, specifications, and ratings of the cab, chassis, body, installed components, and auxiliary systems.			
Warnings and cautions pertaining to the operation and maintenance of the fire apparatus and fire fighting systems.			
Charts, tables, checklists, and illustrations relating to lubrication, cleaning, troubleshooting, diagnostics, and inspections.			
Instructions regarding the frequency and procedure for recommended maintenance. Maintenance instructions for the repair and replacement of installed components. Parts listing with descriptions and illustrations for identification.			
Warranty descriptions and coverage.			
The CD-ROM shall incorporate a navigation page with electronic links to the operator's manual, service manual, parts manual, and warranty information, as well as instructions on how to use the manual. Each copy shall include a table of contents with links to the specified documents or illustrations.			
The CD must be formatted in such a manner as to allow not only the printing of the entire manual, but to also the cutting, pasting, or copying of individual documents to other electronic media, such as electronic mail, memos, and the like.			
A find feature shall be included to allow for searches by text or by part number.			
These electronic manuals shall be accessible from any computer operating system capable of supporting portable document format (PDF). Permanent copies of all pertinent data shall be kept file at both the local dealership and at the manufacturer's location.			
NOTE: Engine overhaul, engine parts, transmission overhaul, and transmission parts manuals are not included.			
Additional Items Dealer Must Provide			
Diagnostic Cable and Software for PC connection to the Truck and Nodes			
Three (3) Spare Keys			
Dealer Must Provide Three (3) days of Training, Twice Daily.			

1. Name of Company Submitting Bid: _____

2. Printed Name of person binding bid _____

3. Signature _____

4. Date _____

Items noted as “Exception” must be explained on the attached “Exception Sheet”. Please attach additional pages as required.

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Bid #15-086
2 Door Commercial Rescue Pumper

PROPOSAL OPTIONS

Each bidder shall provide pricing for the following proposal options as it affects to cost of the above specifications, in the space provided on the Mandatory Bid Submittal Form:

Add/Alternate - Option #1

Upgrade the 1030 gallon tank in the base bid to 1530 gallon capacity.

Add/Alternate - Option #2

Locate Side mount pump panel instead of top mount.

Add/Alternate - Option #3

Loose Equipment to be Placed on Apparatus, as designated on the attached checklist.

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ADD/ALTERNATE Option #3: Loose Equipment for Placement on Apparatus				
Item	Qty	Description	Unit Cost	Extended Cost
Scott SCBA 4.5 w/ spare cylinder	4	Scott™ AV3000 Face Piece with SureSeal, Kevlar, Refurbished		
Scott SCBA 4.5 w/ spare cylinder	4	Scott™ AP50 Frame, Refurbished		
Scott SCBA 4.5 w/ spare cylinder	4	Scott™ Black AP50 Harness, Refurbished,		
Scott SCBA 4.5 w/ spare cylinder	4	Scott™ Pak-Alert SE Integrated PASS		
Scott SCBA 4.5 w/ spare cylinder	4	Scott™ Black E-Z Flo® Regulator		
Scott SCBA 4.5 w/ spare cylinder	4	Scott™ Air Cylinder and Valve Assembly, Carbon 4500psi, 45-Minute, Refurbished		
Scott SCBA 4.5 w/ spare cylinder	4	Scott™ Buddy Breather with Quick Connect, refurbished		
Scott SCBA 4.5 w/ spare cylinder	4	Scott™ Pak-Alert SEMS sensor module, refurbished		
6lb flat head axe	1	35"-36" fiberglass shock absorbing handle, oversized head, 6Lb		
6lb pick head axe	1	35"-36" fiberglass shock absorbing handle, oversized head, 6Lb		
Bolt cutter	1	36" steel handle and steel head, celtex grips		
Pry bar	1	36" carbon steel, tapered handle		
Halligan bar	1	30 inch, single piece drop forged halligan bar		
dry wall hook	1	4 ft fiberglass handle, 4 inch wide head, D handle, honed point on top		
piercing nozzle	1	3 ft piercing nozzle, tapered steel tip (preferably with shut off valve)		
hose roller	1	5 Lb, hand held, four handle		
hose jacket	1	leather, 4 belt/buckle, for 2.5 to 3 inch hose		
triangles	1	DOT spec folding weighted bottom triangle		
2.5 female to stortz adapter (2)	2	2.5" female to stroz adapter		
2.5 to 1.5 reducers (2)	2	2.5 inch female to 1.5 inch male steel or pyrolite coupling		
2.5 double male (2)	2	2.5 inch double male steel or pyrolite coupling		
2.5 double female (2)	2	2.5 inch double female steel or pyrolite coupling		
2.5 to 1.5 gated wye	1	2.5 inch female to two 1.5 inch male steel or pyrolite appliance		
streamlights (2)	2	rechargeable box light, LED, orange in color, reenforced D rings; as in Streamlight Vulcan		
set of wrenches in brackets	3	two spanner and hydrant wrench with holding bracket		
12x14 salvage covers (2)	2	12X14 heavy duty red vinyl		
water cooler	1	3 to 5 gallon cooler		
K-12	1	14" rescue saw, chrome guard, large D handle, shoulder strap, carbide chopper 30 or husky fang blade and aluminum oxide blades		
chain saw	1	4.5 HP, 25 inch bar, wrap handle rescue saw, toolless fuel and oil caps		
PPV	1	6.5 HP, 18 inch fan, Briggs and Stratton or Honda engine, gas operated, tilting adjustable, wheels and handle		
Chaps	1	32" length, adjustable belt and leg straps, kevlar re-enforced or heavy grade nylon		
Hose clamp	1	2.5 inch hose max, single piece hose clamp		
low level strainer	1	6 inch female to flat bottom low level strainer		
Hydrant bag	1	heavy grade canvas, 18" length, zipper top, shoulder strap "Husky" style bag		
-hydrant wrench	1	hydrant & spanner combination wrench, iron head with brass insert, knurled steel handle		

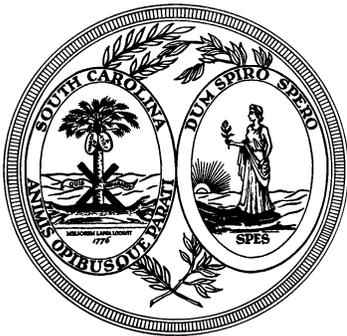
ADD/ALTERNATE Option #3: Loose Equipment for Placement on Apparatus				
Item	Qty	Description	Unit Cost	Extended Cost
-hydrant adapter 4.5 to stortz	1	4.5 female to storz adapter		
-2.5 gate valve	1	non-rising stem, 250 GPM, pyrolite material, 4 Lb		
-2 stortz wrenches	1	steel or aluminum, 2.5-5 inch capable		
CO2 extinguisher	1	per NFPA standard		
water can	1	per NFPA standard		
ABC extinguisher	1	per NFPA standard		
2.5 nozzle for master stream	1	250-1250 GPM, 80-100 PSI, 2.5 inch inlet, no teeth, manual control		
1.5 fog nozzles (3)	3	100-580 PSI, raised lug marks, pyrolite material, 1.5 inch inlet, 9.5 inch length		
2.5 fog nozzles (2)	2	250 GPM @ 100 PSI, raised lug marks, pyrolite material, 2.5 inch inlet, 111.5 inch length		
2.5 stack tip smooth bore (2)	2	1 inch, 1 1/8 inch, 1 1/4 tips, 2.5 inch inlet on nozzle		
stack tip master stream	1	4 stacked smooth bore master stream tips, 50-100 PSI		
2.5 gate valve	1	Akron 2.5" NH female swivel x 2.5" NH male gate valve with a non rising stem		
2.5 siamese	5	Akron Pyrolite Clapper Siamese with female inlets and male outlet		
stortz wrenches (2)	2	Storz spanner wrench. Fits 2, 3, 4 and 5 inch storz couplings. Aluminum powder coated		
Pike pole 6ft	1	6 ft, solid fiberglass handle, steel head (riveted), no handle/straight pole only		
Pike pole 8ft	1	8 ft, solid fiberglass handle, steel head (riveted), no handle/straight pole only		
rubber mallet	1	2 Lb, 1 inch diameter fiberglass shaft, celtex handle		
wheel chocks	1	per NFPA standard		
cones	1	2.5-3 ft, heavy rubber or folding nylon cones with high visibility reflective stripes		
1.75" hose	600 ft			
1- 200' 2.5 preconnect	200 ft			
400' 3' (2.5") forward lay	400 ft			
800' 5" supply hose	800 ft			
Generator w/ attached LED light	2	Honda EU2000i 2000 Watt Generator with SceneStar LED 20000 Lumen Light Head		
EMS bag	1	per department specs		
Zoll or LifePak AED	1	Zoll or LifePak AED		
Binoculars	1	20x50 power		
Fire flap	1	12" Wide x 15" long, fabric reinforced rubber flap. 5' Handle		
flat shovel	1	standard flat shovel		
spade shovel	1	standard spade shovel		
push broom	1	24" separate handle and head push broom		
AFFF foam	1	3%-6% AR-AFFF		
Piston Intake Valve	1	Akron Brass 7980-5060 Black Max Piston Intake Valve		
			Option 3 TOTAL	

ADD/ALTERNATE Option #3: Loose Equipment for Placement on Apparatus

1. Name of Company Submitting Bid: _____
2. Printed Name of person binding bid _____
3. Signature _____
4. Date _____

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**DEPARTMENT OF COMMERCE
GRANTS ADMINISTRATION
COMMUNITY DEVELOPMENT BLOCK GRANT PROGRAM**



CONTRACT SPECIAL PROVISIONS

The following CDBG Contract Special Provisions should be used with all construction contracts, including housing rehabilitation, as applicable, and professional service contracts, where CDBG funds are being used in whole or in part.

CONTRACT SPECIAL PROVISIONS

1. **Definitions:** For purposes of this Contract, the following terms shall have the meanings set forth below:
 - (a) “Assistance” means the CDBG grant funds provided, or to be provided, to the Grantee by the State, pursuant to the Grant Award Agreement.
 - (b) “CDBG” means Community Development Block Grant.
 - (c) “Contract” means the contractual agreement between the Owner and the Contractor to which these Contract Special Provisions have been incorporated and made a part thereof.
 - (d) “Contractor” means the contractor whose services are retained pursuant to the Contract.
 - (e) “Grantee” means the unit of local government designated as the recipient of the Assistance in the Grant Award and signing the acceptance provision of the Grant Award.
 - (f) “HUD” means U.S. Department of Housing and Urban Development, which is the federal agency that awards and has authority over CDBG funding to the State.
 - (g) “Owner” means the Grantee or Subrecipient, as applicable.
 - (h) “Project” means the project for which the services of the Contractor have been retained pursuant to the Contract which are funded, in whole or in part, with CDBG funds.
 - (i) “State” means the State of South Carolina, or that agency, agency division, or Office of State government which has been delegated the responsibility for administering the CDBG program for the State of South Carolina, as appropriate.
 - (j) “Subrecipient” means the agent of the unit of local government as designated by an agreement.
 - (k) “Labor Surplus Area” means a civil jurisdiction that has an unemployment rate at least 20% above the average unemployment rate for all states, the District of Columbia, and Puerto Rico during the previous two calendar years. The Department of Labor issues the labor surplus area list on a fiscal year basis.
2. **Prime Contractor Responsibilities:** The Contractor is required to assume sole responsibility for the complete effort and enforcement of laws and regulations under this Contract. The Owner will consider the Contractor to be the sole point of contact with regard to contractual matters.
3. **Federal and State Laws:** The Contractor agrees to comply with all CDBG requirements as well as other federal and state laws, regulations, or Executive Orders. The State reserves the right to add or

delete terms and conditions of this Contract as may be required by revisions and additions or changes in the requirements, regulations, and laws governing the CDBG Program.

4. **Procurement and Contracting:** In accordance with 24 CFR Part 85.36 (f), the cost plus a percentage of cost and percentage of construction cost methods of contracting shall not be used. This provision shall supersede any conflicting provision in an executed contract document or agreement funded in whole or in part with CDBG funds.
5. **Ownership:** Ownership of all real or personal property, acquired in whole or in part with CDBG funds for use on this Project, shall be vested in the Grantee, unless otherwise authorized by the State. When the Grantee determines that the property is no longer required for the purposes of this Project, the Grantee must notify the State and obtain approval for disposition of the property in accordance with applicable guidelines.
6. **Copyright:** Except as otherwise provided in the terms and conditions of this Contract, the Contractor paid through this Contract is free to copyright any books, publications or other copyrightable materials developed in the course of the Project and under this Contract. However, HUD and the State reserve a royalty-free, non-exclusive and irrevocable license to reproduce, publish or otherwise use and to authorize others to use, for Federal government and State purposes:

- (a) the copyright in any work developed under this Contract; and

- (b) any rights of copyright to which a subcontractor purchases ownership with grant support.

The Federal government's rights and the State's rights identified above must be conveyed to the publisher and the language of the publisher's release form must insure the preservation of these rights.

6. **Reporting Requirements:** The Contractor agrees to complete and submit all reports, in such form and according to such schedule, as may be required by the State or HUD. Further, the Contractor agrees to require any subcontractors to submit reports that may be required and to incorporate such language in its agreements. Failure to meet deadlines with the required information could result in sanctions.
7. **Access to Records:** All records with respect to all matters covered by this Contract shall be made available at any time for audit and inspection by HUD, the State or the Grantee or their representatives upon their request.
8. **Maintenance of Records:** Records for non-expendable property purchased totally or partially with Federal funds must be retained for five years after final close-out of the grant. All other pertinent contract records including financial records, supporting documents and statistical records shall be retained for a minimum of five years after the final close-out report. However, if any litigation, claim, or audit is started before the expiration of the five year period, then records must be retained for five years after the litigation, claim or audit is resolved.
9. **Confidential Information:** Any reports, information, data, etc., given to, prepared by, or assembled by the Contractor under this Contract, which the Grantee or the State requests to be kept confidential, shall not be made available to any individual or organization by the Contractor without prior written approval of the Grantee or the State, as applicable.
10. **Reporting of Fraudulent Activity:** If at any time during the term of this Contract anyone has reason to believe by whatever means that, under this or any other program administered by the State, a recipient of funds has improperly or fraudulently applied for or received benefits, monies or services pursuant to this Contract or any other contract, such information shall be reported immediately to the appropriate authorities.
11. **Political Activity:** None of the funds, materials, property or services provided directly or indirectly under this Contract shall be used for any partisan political activity, or to further the election or defeat of

any candidate for public office or otherwise in violation of the provisions of Section 8-13-765 of the Code of Laws of South Carolina, 1976, as amended.

12. Conflicts of Interest and Ethical Standards, South Carolina Consolidated Procurement Code: The following provisions regarding “conflicts of interest” apply to the use and expenditure of CDBG funds by the Grantee and its subrecipients, including the Contractor.

In the procurement of supplies, equipment, construction and services, the more restrictive conflict of interest provisions of the State of South Carolina Ethics, Government Accountability and Campaign Reform Act of 1991 or of the Contractor shall apply.

In cases not governed by the above, such as the acquisition and disposition of real property and the provision of CDBG assistance to individuals, businesses and other private entities, the following provisions shall apply.

Except for eligible administrative or personnel costs, the general rule is that no person who is an employee, agent, consultant, officer, or elected or appointed official of the State or a unit of general local government or any designated public agencies or subrecipient which are receiving CDBG funds who exercise or have exercised any function or responsibilities with respect to CDBG activities assisted herein or are in a position to participate in a decision making process or gain inside information with regard to such activities, may obtain a financial interest or benefit from the activity, or have an interest in any contract, subcontract or agreement with respect thereto, or the proceeds thereunder either for themselves or those with whom they have family or business ties during their tenure or for one year thereafter. Exceptions may be granted by the State on a case by case basis as requested upon full disclosure in writing.

Should any governmental entity, contractor, subcontractor, employee or official know or perceive any breach of ethical standards or conflict of interest under the CDBG grant awarded to the Grantee or any other CDBG grant, they shall immediately notify in writing the Department of Commerce, Grants Administration, 1201 Main Street, Suite 1600, Columbia, South Carolina, 29201. If the State finds any circumstances that may give rise to a breach of ethical standards or conflict of interest, under any grant, they shall notify the participating governmental entity and the State Ethics Commission as appropriate. The State may undertake any administrative remedies it deems appropriate, where there is a breach of ethical standards or conflict of interest under the regulations governing the CDBG Program and the State policies.

13. Applicable Law: In addition to the applicable Federal laws and regulations, this Contract is also made under and shall be construed in accordance with the laws of the State. By execution of this Contract, the Contractor agrees to submit to the jurisdiction of the State for all matters arising or to arise hereunder, including but not limited to performance of said Contract and payment of all licenses and taxes of whatever kind or nature applicable hereto.

14. Limitation of Liability: The Contractor will not assert in any legal action by claim or defense, or take the position in any administrative or legal procedures that he is an agent or employee of the Owner. This provision is not applicable to contracts for CDBG administration services where the Contractor is a Council of Government. The State shall not be liable for failure on the part of the Grantee or any other party to perform all work in accordance with all applicable laws and regulations. The Grantee agrees to defend, indemnify, and hold harmless the State from and against all claims, demands, judgments, damages, actions, causes of actions, injuries, administrative orders, consent agreement and orders, liabilities, penalties, costs, and expenses of any kind whatsoever, including, without limitation, claims arising out of loss of life, injury to persons, property, or business or damage to natural resources in connection with the activities of the Grantee and any other third parties in a contractual relationship with the Grantee, or a subsidiary, whether or

not occasioned wholly or in part by any condition, accident, or event caused by any act or omission of the State as a result of the Assistance.

- 15. Legal Services:** No attorney-at-law shall be engaged through the use of any funds provided under this Contract in any legal action or proceeding against the State, the Grantee, any local public body or any political subdivision.
- 16. Contract:** If any provision in this Contract shall be held to be invalid or unenforceable, the remaining portions shall remain in effect. In the event such invalid or unenforceable provision is considered an essential element of this Contract, the parties shall promptly negotiate a replacement provision, which addresses the intent of such provision.
- 17. Amendments:** Any changes to this Contract affecting the scope of work of the Project must be approved, in writing, by the Owner and the Contractor and shall be incorporated in writing into this Contract. Any amendments of the original contract must have written approval by the State prior to execution.
- 18. Termination for Convenience:** This Contract may be terminated for convenience in accordance with 24 CFR Part 85.44.
- 19. Sanctions:** If the Contractor fails or refuses to comply with the provisions set forth herein, the State or Owner may take any or all of the following actions: cancel, terminate or suspend in whole or in any part the contract, or refrain from extending any further funds to the Contractor until such time as the Contractor is in full compliance.
- 20. Subcontracting:** If any part of the work covered by this Contract is to be subcontracted, the Contractor shall identify the subcontracting organization and the contractual arrangements made therewith to the Owner and to the State. All subcontracts must be approved by the Owner and the State to insure they are not debarred or suspended by the Federal or State governments and to insure the Owner and the State understand the arrangements.
- 21. Subcontracting with Small and Minority Firms, Women’s Business Enterprise and Labor Surplus Areas:** It is national policy to award a fair share of contracts to disadvantaged business enterprises (DBEs), small business enterprises (SBEs), minority business enterprises (MBEs) and women’s business enterprises (WBEs). Accordingly, affirmative steps must be taken to assure that DBEs, SBEs, MBEs and WBEs are utilized when possible as sources of supplies, equipment, construction and services. Affirmative steps shall include the following:
- (a) Including qualified DBEs, SBEs, MBEs and WBEs on solicitation lists;
 - (b) Assuring that DBEs, SBEs, MBEs and WBEs are solicited whenever they are potential sources;
 - (c) Whenever economically feasible, dividing total requirements into smaller tasks or quantities so as to permit maximum participation by DBEs, SBEs, MBEs and WBEs;
 - (d) Where the requirement permits, establishing delivery schedules which will encourage participation by DBEs, SBEs, MBEs and WBEs;
 - (e) Using the services and assistance of the Small Business Administration, Minority Business Development Agency, the State Office of Small and Minority Business Assistance, the U.S. Department of Commerce and the Community Services Administration as required; and
 - (f) Requiring the subcontractor, if any, to take the affirmative actions outlined in (1) – (5) above.
- 22. Debarment Certification:** The Contractor must comply with Executive Order 11246 regarding Federal debarment and suspension regulations prior to entering into a financial agreement for any transaction as outlined below.

- (a) Any procurement contract for goods and services, regardless of type, expected to equal or exceed the Federal procurement small purchase threshold (which is \$100,000 and is cumulative amount from all federal funding sources).
- (b) Any procurement contract for goods and services, regardless of amount, under which the Contractor will have a critical influence on or substantive control over the transaction.

In addition, no contract may be awarded to any contractors who are ineligible to receive contracts under any applicable regulations of the State.

23. South Carolina Illegal Immigration Reform Act: The Owner and the Contractor are required to comply with the South Carolina Illegal Immigration Reform Act (signed June 4, 2008) requiring verification of lawful presence in the United States of any alien eighteen years of age or older who has applied for state or local public benefits, as defined in 8 U.S.C. Section 1621, or for federal public benefits, as defined in U.S.C. Section 1611.

24. Equal Employment Opportunity: The Contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the State.

In carrying out the Project, the Contractor shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The Contractor must take affirmative action to insure that applicants for employment are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to, the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor shall post in conspicuous places, available to employees and applicants for employment, notices to be provided by the State setting forth the provisions of this non-discrimination clause. The Contractor shall state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin. The Contractor will, in all solicitations or advertisements for employees by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin. The Contractor shall incorporate the foregoing requirements of this paragraph in all of its subcontracts for the Project unless exempted by rules, regulations, or orders of the State issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor.

The Contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided by the State advising the said labor union or workers' representatives of the Contractor's commitment under this Section and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

The Contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by the rules, regulations, and orders of the State, or pursuant thereto, and will permit access to its books, records, and accounts by HUD and the State for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

In the event of the Contractor's noncompliance with the non-discrimination clauses of this Contract or with any of such rules, regulations, or orders, this Contract may be canceled, terminated or suspended in whole or in part and the Contractor may be declared ineligible for further State government contracts or federally assisted construction contract procedures authorized in Executive Order 11246 of September 24, 1965, or by rules, regulations, or orders of the State, or as otherwise provided by law.

25. Age Discrimination: In accordance with 45 CFR, Parts 90 and 91, the Contractor agrees there shall be no bias or age discrimination as to benefits and participation under this Contract.

26. Section 109 of the Housing and Community Development Act of 1974: No person in the United States shall on the grounds of race, color, national origin or sex be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity funded in whole or in part with funds made available under the CDBG program of the State.

27. Section 504 of the Rehabilitation Act of 1973, as amended: The Contractor agrees that no otherwise qualified individual with disabilities shall, solely by reason of his disability, be denied the benefits, or be subjected to discrimination including discrimination in employment, any program or activity that receives the benefits from the Assistance.

28. Section 3, Compliance and Provision of Training, Employment and Business Opportunities: The work to be performed under this Contract is subject to the requirements of Section 3 of the Housing and Urban Development Act of 1968, as amended, (12 USC § 1701u). The purpose of Section 3 is to ensure that employment and other economic opportunities generated by HUD assistance or HUD-assisted projects covered by Section 3 shall, to the greatest extent feasible be directed to low and very low-income persons, particularly persons who are recipients of HUD assistance for housing.

The parties to this said Contract agree to comply with HUD's regulations in 24 CFR Part 135, which implement Section 3. As evidenced by their execution of this Contract, the parties to this Contract certify that they are under no contractual or other impediment that would prevent them from complying with the 24 CFR Part 135 regulations.

The contractor agrees to send to each labor organization or representative of workers with which the Contractor has a collective bargaining agreement or other understanding, if any, a notice advising the organization or workers' representative of the contractor's commitments under this Section 3 clause, and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment positions can see the notice. The notice shall describe the Section 3 preference, shall set forth minimum number and job titles subject to hire, availability of apprenticeship and training positions; the qualifications for each; and the name and location of person(s) taking applications for each of the positions; and the anticipated date the work shall begin. The Contractor agrees to include this Section 3 clause in every subcontract subject to compliance with regulations in 24 CFR Part 135, and agrees to take appropriate action, as provided in an applicable provision of the subcontract or in this Section 3 clause, upon a finding that the subcontractor is in violation of the regulations in 24 CFR Part 135. The Contractor will not subcontract with any subcontractor where the Contractor has notice or knowledge that the subcontractor has been found in violation of the regulations in 24 CFR Part 135.

The Contractor will certify that any vacant employment positions including training positions, that are filled (1) after the Contractor is selected but before this Contract has been executed, and (2) with persons other than those to whom the regulations of 24 CFR Part 135 require employment opportunities to be directed, were not filled to circumvent the Contractor's obligations under 24 CFR Part 135.

The Contractor agrees to submit such reports as required to document compliance with 24 CFR Part 135. Noncompliance with the regulations in 24 CFR Part 135 may result in sanctions, termination of this Contract for default, and debarment or suspension from future HUD assisted contracts.

29. Lead-Based Paint: The construction or rehabilitation of residential structures with any portion of the Assistance is subject to the HUD Lead-Based Paint regulations found at 24 CFR Part 35. Any grants or loans made by the Grantee for the rehabilitation of residential structures with any portion of the Assistance shall be made subject to the provisions for the elimination of lead-base paint hazards under subpart B of said regulations, and the Grantee shall be responsible for the inspections and certifications required under Section 35.14(f) thereof.

30. Compliance with Air and Water Acts: (Applicable to construction contracts and related subcontracts exceeding \$100,000) This Contract is subject to the requirements of the Clean Air Act, as amended, 42

USC § 7401 et seq., the Federal Water Pollution Control Act (Clean Water Act), as amended, 33 USC § 1251 et seq., and the regulations of the Environmental Protection Agency with respect to 40 CFR Part 15, as amended from time to time, and the South Carolina Stormwater Management and Sediment Reduction Act. In particular, the following are required:

- (a) A stipulation by the Contractor or subcontractor that any facility to be utilized in the performance of any nonexempt contract or subcontract is not listed on the List of Violating Facilities, issued by the Environmental Protection Agency (EPA) pursuant to 40 CFR § 15.20.
- (b) Agreement by the Contractor to comply with all the requirements of Section 114 of the Clean Air Act, as amended (42 USC § 7414) and Section 308 of the Federal Water Pollution Control Act, as amended (33 USC § 1318) relating to inspection, monitoring, entry, reports and information, as well as all other requirements specified in said Sections 114 and 308, and all regulations and guidelines issued thereunder.
- (c) A stipulation that as a condition of award of contract prompt notice will be given of any notification received from the Director, Office of Federal Activities, EPA, indicating that a facility utilized or to be utilized for the contract under consideration is to be listed on the EPA list of Violating Facilities.
- (d) Agreement by the Contractor that the Contractor will include or cause to be included the criteria and requirements in these subparagraphs (1) through (4), in every nonexempt subcontract and requiring that the Contractor will take such action as the State may direct as a means of enforcing such provisions.

In no event shall any amount of the Assistance be utilized with respect to a facility which has given rise to a conviction under section 113(c)(1) of the Clean Air Act or Section 309(c) of the Federal Water Pollution Control Act.

31. Federal Labor Standards Provisions: *(Applicable to construction contracts in excess of \$2,000 or residential rehabilitation contracts involving more than eight units)*

The Project or program to which the construction work covered by this Contract pertains is being assisted by the United States of America and the Federal Labor Standards Provisions as set forth on Attachment 1 are included in this Contract pursuant to the provisions applicable to such Federal assistance. These provisions must be complied with or sanctions will be instituted.

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Attachment 1

U.S. Department of Housing and Urban Development, Office of Labor Relations form HUD-4010 (07/2003)
ref. Handbook 1344.1

A. 1. (i) Minimum Wages. All laborers and mechanics employed or working upon the site of the work will be paid unconditionally and not less often once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR Part 3), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached thereto and made a part thereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. Contributions made or costs reasonably anticipated for bona fide fringe benefits under Section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of 29 CFR 5.5 (a)(1)(iv); also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs, which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period.

Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification of the time actually work therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification an wage rates conformed under 29 CFR 5.5(a)(1)(ii) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible, place where it can be easily seen by the workers.

(ii) (a) Any class of laborers or mechanics which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. HUD shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(1) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(2) The classification is utilized in the area by the construction industry; and

(3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(b) If the contractor and the laborers and mechanics to be employed I the classification (if known), or their representatives, and HUD or its designee agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by HUD or its designee to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, D.C. 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise HUD or its designee within the 30-day period that additional time is necessary. (Approved by the Office of Management and Budget under OMB Control Number 1215-0140.)

(c) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and HUD or its designee do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), HUD or its designee shall refer the questions, including the views of all interested parties and the recommendation of HUD or its

designee, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary. (Approved by the Office of Management and Budget under OMB Control Number 1214-0140.)

(d) The wage rate (including fringe benefits where appropriate) determined pursuant to subparagraphs (1)(ii)(b) or (c) of this paragraph, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

(iii) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(iv) If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the Contractor to set aside in a separate account assets for the meeting of obligations under the plan or program. (Approved by the Office of Management and Budget under OMB Control Number 1215-0140.)

2. Withholding. HUD or its designee shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the contractor under this contract or any other Federal contract with the same prime contractor, or any other Federal-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice trainee or helper, employed or working on the site of the work, all or part of the wages required by the contract, HUD or its designee may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension or any further payment, advance, or guarantee of funds until such violations have ceased. HUD or its designee may, after written notice to the contractor, disburse such amounts withheld for an on account of the contractor or subcontractor to the respective employees to whom they are due. The Comptroller General shall make such disbursements in the case of direct Davis-Bacon Act contracts.

3. (i) Payrolls and basic records. Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in Section 1 (b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5 (a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in Section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment of provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices and trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs. (Approved by the Office of Management and Budget under OMB Control Numbers 1215-0140 and 1215-0017.)

(ii) (a) the contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to HUD or its designee if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit the payrolls to the applicant sponsor, or owner, as the case may be, for transmission to HUD or its designee. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i). This information may be submitted in any form desired. Optional Form WH-347 is available for this purpose and may be purchased from the Superintendent of Documents (Federal Stock Number 029-005-00014-1), U.S. Government Printing Office, Washington, DC 20402. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. (Approved by the Office of Management and Budget Under OMB Control Number 1215-0129.)

(b) Each payroll submitted shall be accompanied by a “Statement of Compliance,” signed by the contractor or subcontractor or his or her agent who pays for or supervises the payment of the persons employed under the contract and shall certify the following:

(1) That the payroll for the payroll period contains the information required to be maintained under 29 CFR 5.5 (a)(3)(i) and that such information is correct and complete’

(2) That each laborer or mechanic (including each apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in 29 CFR Part 3;

(3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(c) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the “Statement of Compliance” required by subparagraph A.3.(ii)(b).

(d) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under Section 1001 of Title 18 and Section 231 of Title 31 of the United States Code.

(iii) The contractor or subcontractor shall make the records required under subparagraph A.3.(i) available for inspection, copying, or transcription by authorized representatives of HUD or its designee or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, HUD or its designee may, after written notice to the contractor, sponsor, applicant or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

4. Apprentices and Trainees.

(i) Apprentices. Apprentices will be permitted to work at less than the predetermined rate for the work they perform when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment Training Administration, Office of Apprenticeship Training, Employer and Training Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen in any craft classification shall not be greater than the ratio permitted to the contractor as to his entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is

not registered or otherwise employed as state above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ration permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved

(ii) Trainees. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every Trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(iii) Equal employment opportunity. The utilization of apprentices, trainees and journeymen under 29 CFR Part 5 shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR Part 30.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR Part 3 which are incorporated by reference in this contract.

6. Subcontracts. The contractor or subcontractor will insert in any subcontracts the clauses contained in subparagraphs 1 through 11 of this paragraph A and such other clauses as HUD or its designee may by appropriate instructions require, and a copy of the applicable prevailing wage decision, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in this paragraph.

7. Contract termination; debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8. Compliance with Davis-Bacon and Related Act Requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR Parts 1, 3, and 5 are herein incorporated by reference in this contract.

9. Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR Parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and HUD or its designee, the U.S. Department of Labor, or the employees or their representatives.

10. (i) Certification of Eligibility. By entering into this contract the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of Section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1) or to be awarded HUD contracts or participate in HUD programs pursuant to 24 CFR Part 24.

(ii) No part of this contract shall be subcontracted to any person or firm ineligible for award of a government contract by virtue of Section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1) or to be awarded HUD contracts or participate in HUD programs pursuant to 24 CFR Part 24.

(iii) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001. Additionally, U.S. Criminal Code, Section 1 01 0, Title 18, U.S.C., "Federal Housing Administration transactions", provided in part: "Whoever, for the purpose of . . . influencing in any way the action of such Administration..... makes, utters or publishes any statement knowing the same to be false..... shall be fined not more than \$5,000 or imprisoned not more than two years, or both."

11. Complaints, Proceedings, or Testimony by Employees. No laborer or mechanic to whom the wage, salary, or other labor standards provisions of this Contract are applicable shall be discharged or in any other manner discriminated against by the Contractor or any subcontractor because such employee has filed any complaint or instituted or caused to be instituted any proceeding or has testified or is about to testify in any proceeding under or relating to the labor standards applicable under this Contract to his employer.

B. Contract Work Hours and Safety Standards Act. The provisions of this paragraph B are applicable only where the amount of the prime contract exceeds \$100,000. As used in this paragraph, the terms "laborers" and "mechanics" include watchmen and guards.

(1) Overtime Requirements. No Contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of 40 hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of 40 hours in such workweek.

(2) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in subparagraph (1) of this paragraph, the contractor and any subcontractor responsible therefore shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violations of the clause set forth in subparagraph (1) of this paragraph, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the

standard workweek of 40 hours without payment of the overtime wages required by the clause set forth in sub paragraph (1) of this paragraph.

(3) Withholding for unpaid wages and liquidated damages. HUD or its designee shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract, or any other Federal contract with the same prime contract, or any other Federally-assisted contract subject to the Contract Work Hours and Safety Standards Act which is held by the same prime contractor such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in subparagraph (2) of this paragraph.

(4) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in subparagraph (1) through (4) of this paragraph and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime Contractor or lower tier subcontractor with the clauses set forth in subparagraphs (1) through (4) of this paragraph.

C. Health and Safety. The provisions of this paragraph C are applicable only where the amount of the prime contract exceeds \$100,000.

(1) No laborer or mechanic shall be required to work in surroundings or under working conditions which are unsanitary, hazardous, or dangerous to this health and safety as determined under construction safety and health standards promulgated by the Secretary of Labor by regulation.

(2) The Contractor shall comply with all regulations issued by the Secretary of Labor pursuant to Title 29 Part 1926 and failure to comply may result in imposition of sanctions pursuant to the Contract Work Hours and Safety Standards Act, 40 USC 3701 et. seq.

(3) The Contractor shall include the provisions of this paragraph in every subcontract so that such provisions will be binding on each subcontractor. The Contractor shall take such action with respect to any subcontract as the Secretary of Housing and Urban Development or the Secretary of Labor shall direct as a means of enforcing such provisions.

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Instructions for Bidders
Bid #15-086
2 Door Commercial Rescue Pumper

If any general instruction item shall be in conflict with those contained in the *CDBG Contract Special Provisions*, then the *CDBG Contract Special Provisions* shall prevail.

1. Written sealed public bids for a Term Contract to provide one (1) **2 Door Commercial Rescue Pumper** shall be received in the Purchasing Office, Second Floor, Suite 239, 129 Screven Street, Georgetown, SC until the cut-off time shown in the bid timeline on page (2) of this document. Bids will then be publicly and promptly opened at the designated time by the Purchasing Officer. Bids that are not in the Purchasing Officer's possession prior to the stated opening date and time will be considered **NON RESPONSIVE** and returned unopened. An official authorized to bind the offer must sign all proposals submitted.
2. One (1) unbound (loose leaf), single sided, reproducible ORIGINAL of bids must be submitted in a sealed envelope and clearly marked as follows:

OFFEROR'S NAME
BID ITEM NAME
BID NUMBER
3. Alternate Bids (a maximum of three bids submitted per offeror) will be considered for an award. Georgetown County reserves the right to make the final determination of actual equivalency or suitability of such Bids with respect to requirements outlined herein. The bids submitted, and any further information acquired through interviews, will become and are to be considered a part of the final completed contract. If there is any variance or conflict, the Bid specifications will control. Bids offered directly from manufacturers must indicate if a local dealer/representative will be involved.
4. Withdrawal Of Bid
No Bidder may withdraw a bid after the date and hour set for the opening. A Bidder may withdraw a bid any time prior to expiration of the period during which bids may be submitted by a written request signed in the same manner and by the same person who signed the Proposal.
5. Faxed or E-mailed bids will not be accepted by Georgetown County.
6. If you need any reasonable accommodation for any type of disability in order to participate in this procurement, please contact the purchasing office as soon as possible.
7. Any deviations from the specifications or modification of this bid and any extra or incidental work or reductions in work shall be set forth in writing and signed by both parties prior to making such change. Any increase or decrease in the bid price resulting from such change shall be included in writing.
8. The bidder shall list on a separate sheet of paper any variations from, or exceptions to, the conditions and specifications of this bid. This sheet shall be labeled "Exception(s) to Bid Conditions and Specifications," and shall be attached to the bid.
9. The County reserves the right to reject any or all bids, waive any informality in bids and accept in whole or in part such bid or bids as may be deemed in the best interest of the County. Georgetown County reserves the right to reject any bid submitted, at sole option that the vendor may not be able to meet the service requirements of the bid.

10. Affirmative Action: The contractor will take affirmative action in complying with all Federal and State requirements concerning fair employment and employment of the handicapped, and concerning the treatment of all employees, without regard or discrimination by reason of age, race, color, religion, sex, national origin or physical handicap.
11. TITLE VI COMPLIANCE:
Georgetown County hereby gives public notice that it is the policy of the agency to assure full compliance with Title VI of the Civil Rights Act of 1964, the Civil Rights Restoration Act of 1987, Executive Order 12898 on Environmental Justice, and related statutes and regulations in all programs and activities. Title VI requires that no person in the United States of America shall, on the grounds of race, color, or national origin, be excluded from the participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity for which Georgetown County receives federal financial assistance. Any person who believes they have been aggrieved by an unlawful discriminatory practice under Title VI has a right to file a formal complaint with Georgetown County. Any such complaint must be in writing and filed with Georgetown County's Title VI Coordinator within one hundred and eighty (180) days following the date of the alleged discriminatory occurrence. For more information, or to obtain a Title VI Discriminatory Complaint Form, please see our website at <http://www.gtcounty.org>.
12. The Georgetown County local vendor preference is NOT applicable to this solicitation.
13. Bidders must clearly mark as "confidential" each part of their bid which they consider to be proprietary information that could be exempt from disclosure under section 30-4-40, Code of Laws of South Carolina 1976, as amended (Freedom Of Information Act). If any part is designated as confidential, there must be attached to that part an explanation of how this information fits within one or more categories listed in section 30-4-40. The County reserves the right to determine whether this information should be exempt from disclosure and no legal action may be brought against the County or its agents for its determination in this regard.
14. Nothing herein is intended to exclude any responsible vendor, his product or service or in any way restrain or restrict competition. On the contrary, all responsible vendors are encouraged to bid and their bids are solicited.
15. This Invitation for Bid covers the estimated requirements to provide one (1) **2 Door Commercial Rescue Pumper** for the Georgetown County Fire and EMS Department. The purpose is to establish firm pricing and delivery under which the department may place order as needed.
16. Bid cost must remain valid ninety (90) days from bid opening date.
17. Bids must be made on Proposal or Bid Form furnished or will be rejected. Proposals shall be typewritten or written in ink on the form prepared by the County. The person signing the bid shall initial all corrections or erasures.
18. Deadline For Questions
It shall be the vendor's responsibility to contact the Purchasing Department with questions regarding this solicitation, **in writing**, no later than the date indicated in the Bid Timeline on page -3- of this document. Inquiries received after this date and time will not be considered. Verbal questions are not permitted. Written questions only must be faxed or e-mailed to:
Kyle Prufer, Purchasing Officer
Fax: (843) 545-3500
e-mail: kprufer@gtcounty.org

19. Insurance

The successful bidder shall procure, maintain, and provide proof of, insurance coverage for injuries to persons and/or property damage as may arise from or in conjunction with, the work performed on behalf of the County by the bidder, his agents, representatives, employees or subcontractors. Proof of coverage as contained herein shall be submitted fifteen (15) days prior to the commencement of work and such coverage shall be maintained by the bidder for the duration of the contract period; for occurrence policies.

a. General Liability

Coverage shall be as broad as: Comprehensive General Liability endorsed to include Broad Form, Commercial General Liability form including Products/Completed Operations.

1. Minimum Limits

General Liability:

\$1,000,000 General Aggregate Limit
\$1,000,000 Products & Completed Operations
\$1,000,000 Personal and Advertising Injury
\$1,000,000 Each Occurrence Limit
\$50,000 Fire Damage Limit
\$5,000 Medical Expense Limit

b. Automobile Liability

Coverage sufficient to cover all vehicles owned, used, or hired by the bidder, his agents, representatives, employees or subcontractors.

1. Minimum Limits

Automobile Liability:

\$1,000,000 Combined Single Limit
\$1,000,000 Each Occurrence Limit
\$5,000 Medical Expense Limit

c. Garage Keeper's Liability

1. Minimum Limits

\$5,000,000 Dealer Garage Liability Insurance

d. Workers' Compensation

Limits as required by the Workers' Compensation Act of SC. Employers Liability, \$1,000,000.

e. Owners' & Contractors' Protective Liability

Policy will be in name of County. Minimum limits required are \$1,000,000.

f. Professional Liability

Minimum limits are \$1,000,000 per occurrence.

g. Coverage Provisions

1. All deductibles or self-insured retention shall appear on the certificate(s).
2. The County of Georgetown, its' officers/ officials, employees, agents and volunteers shall be added as "additional insured" as their interests may appear. This provision does not apply to Professional Liability or Workers' Compensation/Employers' Liability.

3. The offeror's insurance shall be primary over any applicable insurance or self-insurance maintained by the County.
4. Shall provide 30 days written notice to the County before any cancellation, suspension, or void of coverage in whole or part, where such provision is reasonable.
5. All coverage for subcontractors of the bidder shall be subject to all of the requirements stated herein.
6. All deductibles or self-insured retention shall appear on the certificate(s) and shall be subject to approval by the County. At the option of the County, either; the insurer shall reduce or eliminate such deductible or self-insured retention; or the bidder shall be required to procure a bond guaranteeing payment of losses and related claims expenses.
7. Failure to comply with any reporting provisions of the policy(s) shall not affect coverage provided the County, its officers/officials, agents, employees and volunteers.
8. The insurer shall agree to waive all rights of subrogation against the County, its' officers/officials, agents, employees or volunteers for any act, omission or condition of premises which the parties may be held liable by reason of negligence.
9. The bidder shall furnish the County certificates of insurance including endorsements affecting coverage. The certificates are to be signed by a person authorized by the insurance company(s) to bind coverage on its' behalf, if executed by a broker, notarized copy of authorization to bind, or certify coverage must be attached.
10. All insurance shall be placed with insurers maintaining an A.M. Best rating of no less than an A:VII. If A.M. Best rating is less than A:VII, approval must be received from County's Risk Officer.

20. Hold Harmless Clause

The Contractor shall, during the term of the contract including any warranty period, indemnify, defend, and hold harmless the County, its officials, employees, agents, and representatives thereof from all suits, actions, or claims of any kind, including attorney's fees, brought on account of any personal injuries, damages, or violations of rights, sustained by any person or property in consequence of any neglect in safeguarding contract work or on account of any act or omission by the contractor or his employees, or from any claims or amounts arising from violation of any law, bylaw, ordinance, regulation or decree. The vendor agrees that this clause shall include claims involving infringement of patent or copyright.

21. Condition of Items

All items shall be new, in first class condition, including containers suitable for shipment and storage, unless otherwise indicated herein. Verbal agreements to the contrary will not be recognized.

22. Workmanship and Inspection

All work under this contract shall be performed in a skillful and workmanlike manner. The County may, in writing, require the Contractor to remove any employee from work that the County deems incompetent or careless.

Further, the County may, from time to time, make inspections of the work performed under this contract. Any inspection by the County does not relieve the Contractor from any responsibility regarding defects or other failures to meet the contract requirements.

23. Method of Payment

Upon delivery and acceptance of the equipment and/or services the contractor shall submit an invoice, detailing the appropriate charges.

Upon receipt of invoice and upon final inspection and acceptance of the equipment, the County will render payment within thirty (30) days. Invoices shall be submitted to:

County of Georgetown
Accounts Payable
P.O. Box 424200
Georgetown, SC 29442-4200

Individual contractors shall provide their social security numbers, and proprietorships, partnerships, and corporations shall provide their federal employer identification number on the pricing form.

24. South Carolina Sales Tax

The County of Georgetown, SC is not exempt and pays the appropriate SC sales tax on all applicable purchases.

25. Assignment of Contract

This contract may not be assigned in whole or part without the written consent of the Purchasing Officer.

26. Termination

Subject to the provisions below, the contract may be terminated by the County upon thirty (30) days advance written notice to the other party; but if any work or service hereunder is in progress, but not completed as of the date of termination, then this contract may be extended upon written approval of the County until said work or services are completed and accepted.

a. Termination for Convenience

In the event that this contract is terminated or canceled upon request and for the convenience of the County, without the required thirty (30) days advance written notice, then the County shall negotiate reasonable termination costs, if applicable.

b. Termination for Cause

Termination by the County for cause, default or negligence on the part of the contractor shall be excluded from the foregoing provision; termination costs, if any, shall not apply. The thirty (30) days advance notice requirement is waived in the event of Termination for Cause.

c. Non-Appropriation:

It is understood and agreed by the parties that in the event funds are not appropriated in the current fiscal year or any subsequent fiscal years, this contract will become null and void and the County will only be required to pay for services completed to the satisfaction of the County.

27. Default

In case of default by the contractor, for any reason whatsoever, the County may procure the goods or services from another source and hold the contractor responsible for any resulting excess cost and may seek other remedies under law

28. Severability

In the event that any provision shall be adjudged or decreed to be invalid, such ruling shall not invalidate the entire Agreement but shall pertain only to the provision in question and the remaining provisions shall continue to be valid, binding and in full force and effect.

29. Applicable Laws

This Agreement shall be governed by, and construed in accordance with, the laws of the State of South Carolina, U.S.A.

30. Claims and Disputes:

All claims, disputes and other matters in question between parties arising out of, or relating to, this Agreement, or the breach thereof, shall be decided in the Circuit Court of the Fifteenth Judicial circuit in Georgetown County, South Carolina. By executing this Agreement, all parties specifically consent to venue and jurisdiction in Georgetown County, South Carolina and waive any right to contest jurisdiction and venue in said Court.

31. Rights of County

The County reserves the right to reject all or any part of any bid, waive informalities and award the contract to the lowest responsive and responsible bidder to best serve the interest of the County.

32. Award of Bid

In determining the lowest responsive and responsible bidder, in addition to price, there may be considered the following:

- (a) The ability, capacity and skill of the bidder to perform the contract.
- (b) Whether the bidder can perform the contract within the time specified, without delay of interference.
- (c) The character, integrity, reputation, judgment, experience and efficiency of the bidder.
- (d) The quality of performance on previous contracts.
- (e) The previous and existing compliance by the bidder with laws and ordinances relating to the contract.
- (f) The sufficiency of the financial resources to perform the contract to provide the service.
- (g) The quality, availability and adaptability of the supplies or contractual services to the particular use required.
- (h) The ability of the bidder to provide future maintenance and service.
- (i) The discount terms and conditions of the bid.
- (j) Delivery time.

33. Notice of Award

A *Notice of Intent to Award* will be mailed to all respondents.

34. Protest

Bidders may refer to Sections 2-67, 2-73, and 2-74 of Ordinance #2008-09, also known as the Georgetown County, South Carolina Purchasing Policy to determine their remedies concerning this competitive process. The failure to be awarded a bid shall not be valid grounds for protest. CDBG Grant procedures require a ten (10) day waiting period from a Notice of Intent to Award until a contract may be finalized as a Protest Waiting Period.

35. Debarment

By submitting a bid, the bidder is certifying that he is not currently debarred by the County from bidding. A copy of the County's debarment procedure in accordance with Section 2-68 of Ordinance #2008-09, also known as the Georgetown County, South Carolina Purchasing Policy is available upon request. Further, see the CDBG Contract Special Provisions, Item #22.

36. Firm Pricing for County Acceptance

Bid price must be firm for County acceptance for 90 days from bid opening date. "Discount from list," bids are not acceptable unless specifically requested.

37. Quotations to be F.O.B.: Destination

Quote F.O.B.: Destination for this competitive sealed bid. As an alternate, show exact cost for delivery.

38. Unit Prices and Extension

Bid unit price on quantity specified -- extend and show total. In case of errors in extension, unit prices shall govern. Bids subject to unlimited price increases will not be considered.

39. Use of Brand Names

Unless otherwise stated in an Invitation for Bid, the name of a certain brand, make or manufacturer does not restrict bidders to the specific brand, make or manufacturer named; it conveys the general style, type, character, and quality of the article desired, and any article which the County in its sole discretion determines to be the equal of that specified, considering quality, workmanship, economy of operation, and suitability for the purpose intended, shall be accepted. Any catalog, brand name or manufacturer's reference used in bid invitation is descriptive - NOT restrictive - it is to indicate type and quality desired. Bids on brands of like nature and quality will be considered. If bidding on other than reference or specifications, bid must show manufacturer, brand or trade name, catalog number, etc. of article offered. If other than brand(s) specified is offered, illustrations and complete description must be submitted with bid. Samples may be required. If bidder makes no other bid and takes no exception to specifications or reference data, he will be required to furnish brand names, numbers, etc., as specified. Bidders must certify that item(s) bid upon meet and/or exceed specifications.

40. Delivery After Receipt of Order (ARO)

Bid must show the number of days required to place material in using agency's receiving room under normal conditions. Failure to state delivery time obligates bidder to complete delivery in fourteen (14) calendar days. Unrealistically short or long delivery promised may cause bid to be disregarded. Consistent failure to meet delivery promises without valid reason may cause removal from bid list. Delivery shall be made during normal working hours only, 9 to 5, unless prior approval has been obtained from the County.

41. Permits

It shall be the responsibility of the contractor to comply with County Ordinances by securing the necessary permits. Building contractors working with Georgetown County must secure a Contractor's License from the Building Department. Work within the Georgetown City Limits may require a City Business License.

42. Environmental Management:

Vendor/Supplier/Contractor will be responsible for complying with all federal, state and local environmental regulations relating to transportation, handling, storage, spillage and any other aspect of providing the services specified herein, as applicable.

43. Bid Tabulation Results

Vendors wishing to view the bid tabulation results may visit the Georgetown County, SC web-site at: <http://www.gtcounty.org>. Select "Purchasing", then "Bids Information" and double click the link under the individual bid listing.

44. The Bidder hereby certifies that he or she has carefully examined all of the Documents for the project, has carefully and thoroughly reviewed this Request for Bid/Quotation, has inspected the location of the project (if applicable), and understands the nature and scope of the work to be done; and that this Bid is based upon the terms, specifications, requirements, and conditions of the Request for Bid/ Documents. The Bidder further agrees that the performance time specified is a reasonable time, having carefully considered the nature and scope of the project as aforesaid.

45. Any attempt by the vendor to influence the opinion of County Staff or County Council by discussion, promotion, advertising, misrepresentation of the submittal or purchasing process or any procedure to promote their offer will constitute a violation of the vendor submittal conditions and will cause the vendor's submittal to be declared null and void.

46. Apparent omission of a detailed description concerning any point, shall be regarded as meaning the best commercial practice is to prevail and that only material and workmanship of the finest quality are to be used.

47. Response Clarification

Georgetown County reserves the right to request additional written or oral information from Bidders in order to obtain clarification of their Responses.

48. Vendor Checklist

The items indicated below must be returned as a part of the Bid Submission package:

- Mandatory Bid Submittal Form (pages 73 – 74)
- Technical Specification Checklist (pages 6 – 44)
- Add/Alternate Option #3 for Loose Equipment (pages 46-48)
- Mandatory Exceptions Page (page 75)
- Substitute for Form W-9 (page 72)

A Certificate of Insurance naming Georgetown County as an additional insured must be on file prior to any award.

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**SUBSTITUTE FOR FORM W-9
MANDATORY BID SUBMISSION FORM**

Pursuant to Internal Revenue Service Regulations, you must furnish your Taxpayer Identification Number (TIN) to Georgetown County. If this number is not provided, you may be subject to a 28% withholding on each payment.

INDIVIDUAL OR OWNER'S NAME _____

(Sole Proprietor Must Provide Individual Name along with Business Name)

LEGAL BUSINESS NAME (d/b/a): _____

ADDRESS:

(_____
(_____
(_____

9 DIGIT TAXPAYER IDENTIFICATION NUMBER (TIN)

(Individual Must Provide SS#; Sole Proprietorship may provide SS# or EIN#)

Social Security Number _____ - _____ - _____

Employer Identification Number _____ - _____

BUSINESS DESIGNATION

- Individual, Sole Proprietor, or Single-Member LLC
 - S-Corporation
 - Trust/Estate
 - Non-Profit Organization/501(a)
 - Limited Liability Company: C = Corporation S = S Corporation P = Partnership
 - C-Corporation
 - Partnership
 - Governmental Entity
 - Other: _____
- (Must Circle the appropriate Tax Classification)

Exempt Payee Code (if any): _____

(Exemption codes apply only to certain entities, not individuals; IRS W-9 instructions, page 3):

PRINCIPAL BUSINESS ACTIVITY (List Type of Service or Product Provided):

- _____
- MEDICAL SERVICES PROVIDER ATTORNEY/LEGAL SERVICES PROVIDER

CERTIFICATION Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
 2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
 3. I am a U.S. citizen or other U.S. person; and
 4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.
- Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. *The Internal Revenue Service does not require your consent to any provision of this document other than the certifications required to avoid back-up withholding.*

Signature: _____

Date _____



MANDATORY BID SUBMITTAL FORM

Bid #15-086

2 Door Commercial Rescue Pumper

The undersigned, on behalf of the vendor, certifies that: (1) this bid is made without previous understanding, agreement or connection with any person, firm or corporation making a bid on the same project; (2) is in all respects fair and without collusion or fraud;(3) the person whose signature appears below is legally empowered to bind the firm in whose name the bid is entered (4) they have read the complete Request for Bid and understands all provisions: (5) if accepted by the County, this bid is guaranteed as written and amended and will be implemented as stated; and (6) mistakes in writing of the submitted bid will be their responsibility.

1. Name of Company submitting bid _____

2. **BASE BID, equipped as specified:** \$ _____

3. Shipping/Delivery (if not included above): \$ _____

4. SC Sales Tax Permit # _____ Amount: \$ _____

This purchase is subject to: **\$300 SC maximum cap sales tax**

If your company is authorized to collect SC Sales Tax, place your SC Sales Tax Permit Number and the amount of tax to be collected on the line above, otherwise write "NO" in both line items.

5. **Total Base Bid Cost** (Lines 2+3+4) _____

6. **Optional Item Pricing:**

Option #1

Around the pump foam system: \$ _____

Option #2

Side mount pump panel / instead of top mount: \$ _____

Option #3

Loose Equipment (from page 47): \$ _____

7. Bid cost must remain valid ninety (90) days from bid opening date.

8. Delivery Date, or number of days for delivery after receipt of order: _____

9. Contact Address: _____

10. Contact Person _____

11. Telephone Number _____ Fax Number _____

12. E-Mail address _____

13. Remittance Address: _____

14. Accounting Contact _____

15. Telephone Number _____ Fax Number _____

16. E-Mail address _____

17. FEIN or Social Security Number: _____

18. Acceptance of Invitation for Bid Content: The contents of the successful IFB may be included as contractual obligation in applicable clauses of the contract; therefore, the selected contractor must be prepared to be bound by his proposal.

19. RENEWAL OF CONTRACT

The continuation of the terms, conditions, and provisions of any resulting contract beyond the fiscal year is subject to approval and ratification by the Georgetown County Council and appropriation by them of the necessary money to fund said contract for each succeeding year.

20. Any attempt by the vendor to influence the opinion of County Staff or County Council by discussion, promotion, advertising, misrepresentation of the submittal or purchasing process or any procedure to promote their offer will constitute a violation of the vendor submittal conditions and will cause the vendor's submittal to be declared null and void.

21. The lowest or any proposal will not necessarily be accepted and the County reserves the right to award any portion thereof. I/We, the undersigned, hereby confirm that all the above noted documents for Request for Proposal No 15-086 were received.

22. Printed Name of person binding bid _____

23. Signature _____

24. Date _____

NOTE: THE ENTIRE IFB PACKET NEED NOT BE RETURNED. Thank you.

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EXCEPTIONS PAGE

MANDATORY BID SUBMISSION FORM

List any areas where you cannot or will not comply with the specifications or terms contained within the bid documentation.