

GODFREY FIRE PROTECTION DISTRICT

RESCUE ENGINE REQUIREMENTS/ SPECIFICATIONS

2019

REV. E (re-bid)_{jss}

BID SOLICITATION NOTICE

Pursuant to 70 ILCS 705/11k, the Godfrey Fire Protection District is soliciting sealed, competitive bids for: **Rescue Engine Fire Apparatus**

Solicitation Notice and Specification Requirements are posted at www.godfreyfire.com (home page)

Any clarifications, modifications, or responses to inquiries or questions concerning the solicitation or requirements will **only be posted on the District's website and bidders will be responsible for compliance with same.**

Deadline for bid submission to District: **Monday, February 25th, 2019 at 7:00pm**

Bids are to be submitted to the District at:

Godfrey Fire Protection District, PO Box F, Godfrey, IL 62035 by U.S. Mail

or to Godfrey Fire Protection District, 6011 Godfrey Road, Godfrey, Illinois

62035 by personal or other non-postal forms of delivery

Bids are to be delivered by mail or personal delivery to the foregoing address and are to be clearly marked "**Rescue Engine Bid**" on the outside of the envelope.

Bids will be publicly opened at a meeting of the Board of Trustees to be held on: **Monday, February 25th at 7:00pm at the Liberty Bank Community Room, 3112 Godfrey Road, Godfrey, IL 62035.**

BID PROCEDURES AND EVALUATION

Late or incomplete bids will not be accepted or eligible for consideration.

In addition to compliance with the written requirements bids must provide pricing and terms of payment, any proposed form of contract, the brand/manufacturer of the product and each component, material characteristics, warranties, technical specifications, and proposed delivery date and terms of delivery. Unless otherwise stated in separate written requirements or agreed by the District, delivery is to be FOB Godfrey, Illinois. The bid shall include all financial terms applicable to the purchase of the apparatus such as down payment, progress payments and escalator clauses on bid prices. No bid will be accepted that does not disclose the **complete** financial terms of the bid.

Following the opening of bids, an award may be made, or bids may be referred to the Fire Department for review with any bid award to be made subsequently.

All bids must remain valid for not less than 60 days from the bid opening.

Any exceptions taken to any of the District's requirements must be separately identified and the basis for the exception must be provided with the bid. Any proposed alternate to any of the District's requirements must be clearly identified and an explanation of equivalence as to the alternate must be provided with the bid.

The District reserves the right to require demonstration of the equipment for which a bid is submitted as part of the bid evaluation process following bid opening.

In addition to compliance with District's requirements as stated below, bids will also be evaluated based on the following factors: additional features of the apparatus which are not required by the District's requirements, but which the District determines provide added value and utility to the apparatus; the bidder's experience and reputation in the industry and with the District; the bidder's capability to produce the apparatus and to do so within the time frame represented in the bid; the delivery time for the apparatus; the proposed contract terms presented by the bidder; the warranty terms presented by the bidder; the compatibility of the apparatus with District's existing apparatus, equipment, and facilities; the capability of the bidder to provide service for the apparatus following delivery; time allowed for inspection and acceptance following or at the time of delivery.

Bidders are advised that the District has established a not to exceed base apparatus price of \$421,000.00 for this procurement.

INTENT OF SPECIFICATIONS

Each bidder shall include a printed copy of these specifications with their bid and clearly indicate if they meet or do not meet each individual specification.

It shall be the intent of these specifications to provide a complete apparatus equipped as hereinafter specified. With a view to obtaining the best results and the most acceptable apparatus for service in the Godfrey Fire Protection District (hereinafter referred to as the District), these specifications cover only the general requirements as to the type of construction and tests to which the apparatus must conform. The National Fire Protection Association Standard 1901, current edition, unless otherwise specified in these specifications, shall prevail. The apparatus shall also conform to any and all Federal Motor Vehicle Safety Standards in effect at the time construction of the vehicle is completed.

These specifications shall form a part of any proposal submitted and will be incorporated into any contract awarded. In the event of any discrepancy between these specifications and the contractor's working documents and or proposal, the terms of these specifications shall govern. Each and every

deviation proposed by the bidder must be separately and distinctly noted. These deviations shall be detailed and submitted on a separate sheet(s) along with the bidder proposal in bid sequence and citing page and paragraph number. Bidder must explain in detail, and with full supporting data, how the proposed deviation meets or exceeds the specifications. The purchaser reserves the right to determine which (if any) deviations are acceptable.

Each bidder shall furnish satisfactory evidence of their ability to construct the apparatus specified and shall state the location of the factory or factories where the apparatus is to be built. They shall also show that they are in a position to render prompt service and to furnish replacement parts for said apparatus.

Each bid shall be accompanied by a set of "Contractor's Specifications" consisting of a detailed description of the apparatus being furnished under this contract which conform.

QUALITY AND WORKMANSHIP

The design of the apparatus must embody the latest approved automotive engineering practices. The workmanship must be of the highest quality in its respective field. Special consideration will be given to the following points: Accessibility of the various units that require periodic maintenance operations, ease of operation (including both pumping and driving), turning radius and symmetrical proportions.

Construction must be rugged, and ample safety factors must be provided to carry loads as specified and to meet both on and off-road requirements.

Welding will not be employed in the assembly of the apparatus in a manner that will prevent the ready removal of any component part for service, repair or replacement.

GENERAL CONDITIONS

Where a product is identified by brand, mark or name of the supplier, that identification is intended to indicate the quality and performance characteristics of the product desired. Any proposed substitution must be noted in the bid and must identify the supplier's name, mark brand and/or model number for the product which the bidder proposes to substitute. The District shall have the right to reject any substitution proposed by the bidder.

Where specific names, brands, part numbers or other identification of components are given, the truck committee has, to the best of its ability, researched these items and believes them to be correct, suitable and desirable for their intended use. Bidders are, however, cautioned against accepting these items without verifying the correctness, suitability or desirability through their own research. Upon request of a bidder, the committee will supply its sources of information as is available.

As stated above, where exceptions to these specifications are taken, bidders shall state what alternative they propose in order to meet the objective(s) of the District. The District shall have the right to reject any exception and/or alternative proposed by the bidder.

The District reserves the right to require a performance bond from the successful bidder. The amount of the bond shall be equal to 100% of the bid amount. The bond shall be written by a corporate surety acceptable to the District. The bidder shall state in its bid the cost of the bond. If a performance bond is not required by the District, that amount shall be deducted from the total cost of the apparatus.

The contractor shall execute a satisfactory waiver of liens for recording.

The District reserves the right to require bidders to submit their latest audited financial statement. The statement must be in written form and include profit or loss statements, Dun & Bradstreet rating and bank references.

In the event that the District would elect to purchase the vehicle chassis separately, or to pay for it when it is delivered to the contractor, the successful bidder shall provide the District with:

Certificate(s) of insurance from its insurance company evidencing coverage for the chassis while the chassis is in the care and custody of the apparatus manufacturer. The certificate(s) shall: describe the chassis; give the Vehicle Identification Number (V.I.N.) of the chassis; state its value and name the Godfrey Fire Protection District as an additional named insured A.T.I.M.A. A letter from the contractor's lending institution(s) signed by (a) competent officer(s) thereof shall be provided to the District. The letter shall describe the chassis giving its Vehicle Identification Number (V.I.N.). The letter shall recognize that the Godfrey Fire Protection District is the sole owner of the chassis and that the lending institution has no financial interest in or claim upon the chassis.

The successful bidder shall submit to the District complete layout drawings and working documents for approval by the District. Fabrication of the vehicle may start only after final approval of the appropriate drawings by the District. However, if at any time prior to final acceptance of the completed vehicle by the District, disagreements arise that cannot otherwise be resolved; the provisions of these specifications shall govern.

The successful bidder shall state to the best of its ability what the approximate gross weight and individual axle weights of the apparatus will be, filled with fuel, water, a complete complement of hose and equipment common to pumpers or as stated by the District. This statement shall accompany the bid proposal.

On request directed to "Fire Chief, Godfrey Fire Protection District, PO Box F, Godfrey, IL 62035" a copy of these specifications will be supplied to any manufacturer of fire apparatus or fire apparatus chassis who indicates a desire to

bid. Bids must be in the hands of the Board of Trustees no later than 7pm on Monday, February 25th, 2018.

All bids on hand at that time will be opened and read aloud at a meeting of the Board of Trustees of the Godfrey Fire Protection District. The District reserves the right to reject any or all bids as the best interests of the District may dictate.

LIABILITY

The bidder, if their bid is accepted, shall defend any and all suits and assume all liability for the use of any patented device or article forming part of the apparatus or any appliance furnished under the contract.

RIGHT TO REJECT BIDS

The purchaser reserves the right to reject any and all bids received after evaluation of bids, for budgetary reasons, or as a result of a change in the procurement plans of the District, or if any or all bids are determined to be nonresponsive or not responsible. If a bid is awarded, it will be to the lowest responsible and responsive bidder as determined by the District.

BID DRAWINGS

Detailed drawings including, but not limited to, the overall dimensions, wheelbase, and overall length of the proposed apparatus shall be required with the bid. The drawing shall include top, right, left, front and rear views of the apparatus. Large size "D" drawings of the apparatus proposed shall be furnished with the bid.

WARRANTIES

The successful bidder shall warrant the fitness of the apparatus to be supplied as well as all parts and items of the equipment to be supplied therewith, for the performance of their intended services.

The apparatus and all peripheral equipment shall be warranted for a minimum of one year from the date of final acceptance by the District. All equipment and peripherals listed within this specification shall be new and any warranties pertaining to such equipment shall commence upon final acceptance of the apparatus by the District. When individual components are covered by longer warranties, those warranties shall apply. A full statement of warranty shall be included with the bid. Where an apparatus manufacturer is supplying a completed apparatus on a chassis supplied by a separate chassis manufacturer, the respective manufacturers must outline, to the District's satisfaction, the areas and parts affected by their respective warranty coverage. In any event, the bidder/contractor will be held ultimately responsible for all warranties and/or for the enforcement of the warranties of its suppliers. If extended warranties are

available, the availability and the terms of those extended warranties shall be disclosed to the District. Bids shall include any terms for an extension of the warranty period and bids will be evaluated based on the length of this warranty. The term "Lifetime" or "Lifetime Warranty" shall be defined as a minimum of twenty years.

FRAME WARRANTY

The frame (including cross members) shall carry a lifetime warranty to the original purchaser.

Frame warranty duration: _____

CHASSIS WARRANTY

The chassis manufacturer shall warrant to the original purchaser the custom fire truck chassis for a period of at least twelve months with the exception of the actual fire apparatus chassis frame (including cross members) which carries a lifetime warranty. The warranty may include conditional items which shall be listed in the detailed warranty document that shall be provided upon request.

Chassis warranty duration: _____

CAB WARRANTY

The cab shall be warranted for a period of ten years. Warranty conditions may apply and shall be listed in the detailed warranty document that shall be provided.

Cab warranty duration: _____

WATER (BOOSTER) TANK WARRANTY

The water tank shall be issued an unlimited time warranty with \$200 per day out of service guarantee and transfer option.

The tank shall be installed following the manufacturer's installation recommendations.

Water tank warranty duration: _____

PAINT WARRANTY

The manufacturer shall warrant the finishes for a minimum period of ten years from its date of delivery.

This warranty shall apply to the finished areas for the following defects:
Cracking or Checking.
A total loss of gloss caused by chalking or fading.
Peeling of the top coat or all layers included in the process from the substrate.
Spot or, random discoloration in the overall finish.

Paint warranty duration: _____

RUST PROOFING WARRANTY

A ten year or 100,000 mile warranty certificate against perforation shall be issued in the District's name.

Rust proofing warranty duration: _____

SERVICING OF WARRANTIES

Bidders shall submit a statement outlining how warranty service, parts and repairs are obtained. The statement shall include:
Name of the organization(s) providing the service(s)
Location of the service center(s)
Regular business hours
Arrangements for after hours emergency service and/or parts
Manufacturers for whom they are authorized warranty service representatives.
Number of full time personnel employed
Capability to provide service at the District's location.
Stocking level of service parts for the apparatus and its components.
Arrangements for rapidly obtaining "unit down" non-stock parts.
The statement will extend to standard truck chassis components such as engine, transmission, driveline, axles, pump or foam system.
The District may, at its option, visit any or all of the facilities during regular business hours.

DELIVERY OF APPARATUS

The completed apparatus shall be delivered under its own power to Godfrey Fire Protection District Station 1 no later than one year after the award of the contract. Each bid shall indicate the time required between execution of the contract and the delivery date. A deduction of \$125.00 per day in liquidated damages may be made for each day over and above the quoted delivery date.

Delivery time: _____ days

The apparatus will be tested and approved by Underwriters Laboratories, Inc. in accordance with their standard practices. A report showing the results of each

test and certification of the Underwriter's approval for each test shall be supplied with the vehicle upon delivery to the District.

A pump test as outlined in NFPA 1911 (Chapter 5, service tests) will be performed and witnessed at time of delivery. The apparatus must pass all requirements of this chapter to be considered acceptable.

A road test shall be conducted with the apparatus fully loaded and a continuous run of ten miles or more be made, during which time the apparatus shall show no loss of power or overheating. The transmission drive shaft or shafts and rear axles shall run quietly and be free from abnormal vibration or noise throughout the operating range of the apparatus.

The contractor shall furnish copies of the Pump Manufacturer's Certification of hydrostatic test, the Engine Manufacturer's current certified brake horsepower curve, and the Manufacturer's record of pumper construction details.

Proof of all certifications, performance, and requirements of NFPA 1901 (edition in use when contract was signed) shall be provided.

(A) competent person(s) representing/in the employ of the contractor shall, at the contractor's expense, remain with the vehicle after delivery for a period of not less than three days. During that time the contractor's representative shall give instructions on the operation of the apparatus to such members of the District as the Chief thereof shall designate. All expenses incident to the operation of the apparatus during this instruction period shall be borne by the contractor.

Permission to keep or store the apparatus in any building owned or occupied by the Purchaser or its use by the District during the above specified period with the permission of the Bidder will not constitute acceptance.

If any deficiencies are found in the apparatus the bidder shall have 30 calendar days to correct such deficiencies and shall be charged \$125.00 per calendar day until such deficiencies are corrected. If corrective action has not been taken within 30 calendar days, the District has the right to reject the apparatus. The bidder can be considered in default and provisions of the performance bond may be instituted.

The contractor shall provide complete sets of instruction, owners, service, maintenance and repair manuals for the apparatus, its chassis, cab and body components (engine and transmission, etc.) and systems. A detailed wiring diagram which is specific to this vehicle will be provided with the service manual. The manufacturer shall also include spare hardware, extra fasteners, and paint for touch up.

FINANCING AND PRICE LIMIT

Bids are to include options and terms, if available, through the bidder or a third party, for the financing of the purchase of the apparatus by District. Terms are to

include 5, 7, and 10 year payment terms with the first payment not less than one year from the contract date.

Bids that exceed a total purchase price over \$421,000 will not be considered.

Bid Price: \$_____ (without quoted options)

INSPECTION TRIPS & REPORTS

Bids are to include an allowance for reimbursement of District for expenses associated with two (2) factory inspection trips for three (3) District representatives. The bid shall separately identify a “not to exceed” reimbursement amount for each trip. At its discretion, the District may delete from any bid the trip expense reimbursement and deduct the amount of the trip expense reimbursement allowance from the bid price without otherwise affecting the validity of the bid.

The District will be entitled to conduct reasonable inspections of the apparatus during the manufacturing process at times mutually agreed upon with the bidder without limitation. It is anticipated that, at a minimum there will be a preconstruction meeting to review the proposal with the bidder to confirm that the proposed apparatus complies with the District’s specifications and a predelivery inspection prior to delivery to confirm that the apparatus as built complies with the specifications. Sufficient time will be afforded to the District’s representatives in connection with these inspections to conduct a thorough examination.

During manufacture, and as reasonably requested by District, the bidder will provide District with regular reports on the progress of the manufacturing of the apparatus, including photographs of the apparatus as it is being built and at each stage of production.

CHANGE ORDERS/MODIFICATIONS/PRIORITY OF SPECIFICATIONS

No change or modification in the apparatus or its manufacture may be made except by written change order approved by the District, including, modifications due to changes in federal, state, or NFPA standards which do or do not result in a change in manufacturing cost or the price of the apparatus to District. District is to be notified by the bidder of any proposed modification prior to the making of same. District will not be responsible for any additional cost resulting from a change or modification unless agreed to by District in a written change order identifying specifically any increase in the purchase price of the apparatus.

In the event of any conflict between the District's specifications and those of the bidder, the District's specifications will control unless otherwise agreed to in writing by the District.

RESCUE ENGINE PERFORMANCE SPECIFICATIONS

All components not specified shall exceed applicable national standards and engineering practices for a severe duty fire apparatus with a minimum 30-year service life. Each manufacturer is encouraged to submit multiple proposals for apparatus that meet this performance specification.

Consideration will be given to single source manufacturing by bidders as one factor in the evaluation of bids. Single source manufacturing refers to a manufacturing process by the bidder which includes the design, engineering, and manufacturing of the apparatus by the bidder using an integrated approach including the fabrication and assembly of the chassis, cab, pumphouse, and body on the bidder's premises.

Location of cab and chassis construction: _____

Location of body and pumphouse construction: _____

DIMENSIONS

The wheelbase shall not exceed 205" (under 200" preferred)

Meets: _____ Does not meet: _____ Wheelbase: _____

The overall length shall not exceed 35' 0" (under 33' preferred)

Meets: _____ Does not meet: _____ OAL: _____

The overall height shall not exceed 10' 2" (under 10' preferred)

Meets: _____ Does not meet: _____ OAH: _____

The overall width of the apparatus body shall not exceed 102", minimum 98"

Meets: _____ Does not meet: _____ OAW body: _____

The overall width of the apparatus cab shall not exceed 102" (100" preferred)

Meets: _____ Does not meet: _____ OAW cab: _____

WEIGHT (GVWR)

GVWR front (lbs.): _____

GVWR rear (lbs): _____

GVWR total (lbs.): _____

FRAME COATING

Hot dipped galvanized frame coating is required. Proposals shall include detailed information on the proposed coating.

Hot dipped galvanized frame rails (inner and outer channel)

Meets: _____ Does not meet: _____ Coating type: _____

Hot dipped galvanized crossmembers

Meets: _____ Does not meet: _____ Coating type: _____

CRAMP ANGLE AND TURNING RADIUS

Include left/right cramp angles and outside turning radius.

Cramp angle: L _____ R _____ Outside turning radius: _____

DIESEL ENGINE

A Cummins L9 380hp/1150tq.

Meets: _____ Does not meet: _____ HP: _____ TQ: _____

TRANSMISSION

An Allison 3000EVS.

Meets: _____ Does not meet: _____

ALTERNATOR

A 360 amp Niehoff.

Meets: _____ Does not meet: _____ Amps: _____

AIR COMPRESSOR

Wabco 18.7 CFM.

Meets: _____ Does not meet: _____ CFM: _____

FUEL TANK

Minimum capacity of fifty (50) gallons.

Meets: _____ Does not meet: _____ Capacity: _____

BRAKES

EX 225 four-wheel disc.

Meets: _____ Does not meet: _____

WHEELS

Aluminum.

Meets: _____ Does not meet: _____

CUSTOM CAB

The cab shall be a flat floor, cab over engine, medium four door, 10" raised roof, tilt cab, built specifically for the fire service. The cab shall be capable of seating 6 firefighters with 5 SCBA seats.

Proposals with an HME cab will not be considered.

Meets: _____ Does not meet: _____

CAB HEATER / DEFROSTER / AIR CONDITIONER

The cab shall be equipped with an HVAC system.

BTU air: _____ BTU heat: _____

INTERIOR CAB TRIM

The interior of the cab trim should be rugged and have as little plastic as possible. A “severe duty” style interior is preferred. The ceiling of the cab should have a removable, padded, sound absorbing headliner for installation of radio and intercom equipment if necessary. The rear wall shall be constructed to allow equipment to be mounted to it.

Meets: _____ Does not meet: _____

There shall be an area configured on the dog house for storage of binders and miscellaneous equipment.

Meets: _____ Does not meet: _____

ELECTRICAL SYSTEM

Manufacturers may propose a hard wired or multiplexed electrical system. Please specify.

Multiplexed: _____ Hardwired: _____

Multiplexed systems shall include a display for the driver and for the officer.

Meets: _____ Does not meet: _____ N/A: _____

MECHANICAL SIREN

Federal Signal # Q2B shall be mounted on the centerline of the truck.

Meets: _____ Does not meet: _____

ELECTRIC SIREN

A Code 3 V-Con or equivalent with 100 watt speaker.

Meets: _____ Does not meet: _____

LED LIGHTS

The apparatus shall have a standard compliment of LED lights.

Stop Meets: _____ Does not meet: _____

Tail Meets: _____ Does not meet: _____

Turn	Meets: _____	Does not meet: _____	
Ground	Meets: _____	Does not meet: _____	Number: _____
Back up	Meets: _____	Does not meet: _____	
Pump panel	Meets: _____	Does not meet: _____	
Pump encl.	Meets: _____	Does not meet: _____	
Hosebed	Meets: _____	Does not meet: _____	

BACKUP CAMERA

A backup camera shall be installed and be viewable by the driver. It shall activate in reverse and also be able to be manually activated by the driver.

Meets: _____ Does not meet: _____

WARNING LIGHTS

Warning lights shall exceed NFPA requirements.

Meets: _____ Does not meet: _____

SCENE LIGHTS 12V LED

Large area scene lights (20,000+ lumens front, 20,000+ rear, 20,000+ left side, 20,000+ right side). FRC is the preferred vendor.

Front	Meets: _____	Does not meet: _____	Lumens: _____
Rear	Meets: _____	Does not meet: _____	Lumens: _____
Left	Meets: _____	Does not meet: _____	Lumens: _____
Right	Meets: _____	Does not meet: _____	Lumens: _____

RADIO EQUIPMENT

Provision for a VHF radio shall be made in the center console with provision for a remote head on the pump panel.

Center console	Meets: _____	Does not meet: _____
Remote head	Meets: _____	Does not meet: _____

EXTERIOR PAINT COLOR

Red. The preferred paint color is PPG 71528 Red.

Meets: _____ Does not meet: _____

EXTERIOR PAINT UPPER COLOR CAB

White if no additional expense. The preferred upper paint color is PPG 2185 White.

Meets: _____ Does not meet: _____

FIRE PUMP

1500gpm single stage pump, Hale or Waterous located in a compact but easily accessible pump house. Pump shall have a mechanical seal with anodes. Side, top, and rear mounted pumps will be considered.

Meets: _____ Does not meet: _____ Pump: _____

PRESSURE GOVERNOR

A pressure governor and monitoring display kit shall be installed.

Meets: _____ Does not meet: _____

INTAKE RELIEF VALVE

Must be integral to pump.

Meets: _____ Does not meet: _____

PRIMING SYSTEM

A manual control, three location, air priming system shall be installed.

Meets: _____ Does not meet: _____

THERMAL RELIEF VALVE

The pump shall have a thermal relief valve.

Meets: _____ Does not meet: _____

MASTER INTAKE VALVES

Two, TFT Low Profile Ball Intake Valves as specified by the GFPD truck committee.

Meets: _____ Does not meet: _____

EVACUATION HORN BUTTON

A water proof button shall be located on the pump panel and appropriately labeled that sounds the air horn.

Meets: _____ Does not meet: _____

TFT EXTEND A GUN

A TFT Extend A Gun 18" shall be installed. Any appropriate TFT brackets for the proper installation of the Extend A Gun shall be installed if necessary. A "raised" sensor shall be installed.

Meets: _____ Does not meet: _____

PRECONNECTS

Two 1 3/4" foam capable preconnected speedlays shall be provided. Each speedlay shall have the minimum capacity of 200 feet of 1 3/4" Niedner XL-800 fire hose and a fog nozzle.

Meets: _____ Does not meet: _____

One 2.5" preconnected speedlay shall be provided with a minimum capacity of 200 feet of 2.5" Niedner XL-800 fire hose and a fog nozzle.

Meets: _____ Does not meet: _____

It is preferred that all three speedlays are co-located and easily accessible from the ground.

Meets: _____ Does not meet: _____

The speedlays shall have removable trays to allow for reloading hose. There shall be a way to secure the sliding trays into the speedlay compartment but allow them to be easily removed as well.

Meets: _____ Does not meet: _____

Three additional trays shall be provided loose with the truck.

Meets: _____ Does not meet: _____

FRONT BUMPER

The front bumper shall be 21” in length and equipped with air horns.

Meets: _____ Does not meet: _____

REAR BUMPER

Rear walking surface shall be 12” long.

Meets: _____ Does not meet: _____

BOOSTER TANK (POLY)

750-gallon water poly-tank.

Meets: _____ Does not meet: _____

COMPARTMENTS

Apparatus compartment body storage of 275+ cubic feet is preferred. Bidders shall calculate this.

Meets: _____ Does not meet: _____ Compartment cu. ft.: _____

Each side of the apparatus body shall be provided with three (3) compartments. The rear shall be “flat-back” style and have one compartment, with a ladder storage tunnel directly above the compartment. Storage for at least six SCBA bottles shall be provided in the body.

Meets: _____ Does not meet: _____

All doors shall be unpainted roll-up doors.

Meets: _____ Does not meet: _____

Compartments (both sides) shall be full height, full depth. Split depth proposals will not be considered.

Meets: _____ Does not meet: _____ Depth in inches: _____

All compartments shall have LED lighting.

Meets: _____ Does not meet: _____

Aluminum body compartment interiors shall be coated with a heavy-duty coating.

Meets: _____ Does not meet: _____ N/A: _____

LADDERS (TUNNEL STORAGE)

Through-the-tank storage (not above the tank) is required to avoid reduction in compartment space. A standard 24', 14', 10' ladder compliment (**on-beam storage**) is required. Ladders shall be accessed by a hinged door above the rear compartment. Ladder access shall be low; it is acceptable to reduce the height of the rear compartment to accomplish this.

Meets: _____ Does not meet: _____

PIKE POLES

A compliment of pike poles shall be provided and stored with the ladders.

Meets: _____ Does not meet: _____

APPARATUS BODY

Manufacturers can propose aluminum or stainless-steel construction. They must provide detailed specifications and highlight their construction methods. Durability and high-quality methods are preferred.

Aluminum 1/8": _____ Aluminum 3/16": _____ Stainless Steel: _____

VOGEL/SKF LUBRICATION SYSTEM

A Vogel/SKF Lubrication System shall be installed on the chassis. The system shall be capable of lubricating all applicable grease points on the chassis.

Meets: _____ Does not meet: _____

HOSEBED CAPACITY DESIGN

The hosebed shall have the capacity to carry the following hoseload with two moveable dividers:

- 1000' of 5" supply hose
- 400' of 2.5" hose
- 400' of 3" hose

Meets: _____ Does not meet: _____ Hosebed cu. ft.: _____

HOSEBED ACCESS

A ladder to access the hosebed shall be installed on the rear of the truck with appropriate grab handles. A bolt-on intermediate rear step shall be installed that is the width of the rear compartment.

Meets: _____ Does not meet: _____

DECK GUN ACCESS

Fold down steps to access the deck gun shall be installed on the driver's side front of the body with appropriate grab handles.

Meets: _____ Does not meet: _____

APPARATUS BODY UNDERCOATING

The apparatus body shall be undercoated after assembly is completed.

Meets: _____ Does not meet: _____

PULLING EYES

Two front and two rear pulling eyes shall be installed.

Meets: _____ Does not meet: _____

ROLL OUT TRAYS

There shall be **five**, minimum 250lb. capacity roll out tray(s) provided. The trays shall be lined with turtle tile. Two in each driver's side full-height, full-depth compartment and one in the rear compartment.

Meets: _____ Does not meet: _____

SHELVES

There shall be **ten** adjustable shelves installed, one in each over wheel compartment and two in each full-height, full-depth compartment. The shelves shall be of sturdy construction to hold heavy equipment for use in the fire service. The shelves shall be lined with turtle tile.

Meets: _____ Does not meet: _____

NFPA REFLECTIVE STRIPE AND CHEVRONS

A 6” retro-reflective stripe shall be applied horizontally on the apparatus. The stripe shall be white with a yellow/gold bottom and top outline to match current Godfrey Fire District apparatus.

Meets: _____ Does not meet: _____

A retro-reflective red/lime chevron pattern shall be applied to the apparatus rear, and the front bumper of the apparatus.

Meets: _____ Does not meet: _____

SPANNER AND HYDRANT WRENCH SETS

Two sets consisting of two spanner wrenches and one hydrant wrench per set shall be installed as directed.

Meets: _____ Does not meet: _____

SHORE POWER AND RECEPTACLES

Truck shall have a Kussmaul system (auto-charge/eject with air pump) that applies power to truck mounted 125VAC receptacles. The truck shall have one receptacle in the cab and two in-compartment receptacles (one driver’s side over wheel and one rear) for charging of equipment.

Meets: _____ Does not meet: _____

HOSEBED COVER (VINYL)

A vinyl hosebed cover secured by Velcro.

Meets: _____ Does not meet: _____

LETTERING PACKAGE

A lettering package shall be placed on the apparatus similar in appearance to current GFPD engines.

Meets: _____ Does not meet: _____

MANUALS AND SOFTWARE

- Manuals and software shall be provided:
- (1) hard copy (if available)
- (1) copy on disc or flash drive
- (1) multiplex diagnostic software kit/cables (if equipped)
- (1) engine and transmission diagnostic software kit/cables

Meets: _____ Does not meet: _____

FOAM SYSTEM

A class A foam system with all foam capable 1.75” preconnects and a 20-50 gallon class A foam tank shall be installed. Mechanical (Feecon) and automatic systems are acceptable.

Meets: _____ Does not meet: _____

*****OPTIONAL EQUIPMENT*****

The following equipment shall be individually bid as optional equipment separate from the proposed apparatus bid price. If this equipment has already been installed on an apparatus being bid, please indicate that the equipment is already included.

DIESEL ENGINE UPGRADE

A Cummins L9 450hp/1250tq.

Price: _____

AUTOMATIC TIRE CHAINS

On-Spot or equivalent automatic tire chains shall be installed on the rear axle.

Price: _____

REMOTE TANK LEVEL GAUGE

Two large, LED, remote tank level gauges installed on each side of the apparatus cab to monitor tank water level from a distance.

Price: _____

FRONT BUMPER LINE (FOAM)

A foam capable front bumper discharge with internal storage for a 100', 1 3/4" attack line with nozzle. Bumper shall not be longer than 24".

Price: _____ Bumper length: _____ New OAL: _____

COMPARTMENT TOOLBOARD

One slide out compartment mounted toolboard, officer side front compartment.

Price: _____

FLOATING HOSE TROUGH

One floating hose trough (with Velcro securing straps) on the officer side pump panel running board step large enough to hold 100ft. of 1.75" hose.

Price: _____

HOSEBED COVER (HARD)

A hard hosebed cover rated as a walking surface with a smaller door to access the tank-fill door.

Price: _____

HARD SUCTION

Two sections of 10ft. hard suction hose mounted and stored externally, or internally behind the roll-up door compartment area on each side of the body.

Price: _____

35 FOOT LADDER

35' ladder in addition to the 10/14/24 ladder compliment stored internally in the ladder tunnel.

Price: _____

TFT CROSSFIRE REMOVABLE MONITOR

One Task Force Tips Crossfire with quad stack smooth bore tips and 10" stream straightener.

Price: _____

SCENE LIGHT, PUSH-UP 12V LED

Large area, push-up, scene light (20,000+ lumen), installed. FRC is the preferred vendor.

Price: _____

FIRE VULCAN 180 LED FLASHLIGHTS

Four Fire Vulcan 180 LED flashlights with charger bases installed in the cab of the apparatus as directed.

Price: _____

END OF SPECIFICATIONS