



West End Fire & Rescue Co., No. 3

49 Lurgan Avenue
Shippensburg, PA 17257
717-532-5555 • fax: 717-532-3376

NOTICE OF INVITATION FOR BID

NOTICE OF INVITATION FOR BID NUMBER: 2010-02

MATERIAL OR SERVICE: FIRE APPARATUS – BRUSH TRUCK

BID DUE DATE: Tuesday, October 19, 2010 – 7:00 PM

BID SUBMITTAL LOCATION: West End Fire & Rescue Co. No. 3
49 Lurgan Avenue, Shippensburg, PA 17257

PRE-BID CONFERENCE DATE: Thursday, September 23, 2010

TIME: 6:30 PM

LOCATION: West End Fire & Rescue Co. No. 3
49 Lurgan Avenue, Shippensburg, PA 17257

COMPLETE SPECIFICATIONS FOR THIS APPARATUS ARE INCLUDED WITH THIS INVITATION.

The words “Fire Apparatus Bid”, the date, and the bid opening time must be stated on the face of the bid envelope. It is the bidder’s responsibility to see that their proposals arrive on time. Late proposals, telegram, facsimile, or telephone bids will not be considered. Each bid will be accompanied by a detailed description of the apparatus and equipment it proposes to furnish. Prospective bidders may bid on any or all components (Bid Sections 1 through 6) of this unit. Bidders shall provide a cost breakdown for each section of the bid that they are submitting, and a total price for their proposal. Questions may be directed to Mark Cleck, Fire Chief, at (717) 532-5555.

NOTICE: A preliminary bid tabulation will be posted on the Fire Department’s website at www.wefr15.com within 7 business days after bid opening. A final bid tabulation will be posted on the website after contract award and will remain on the website for 60 days after the posting date. You may request a bid tabulation be mailed to you by contacting the West End Fire & Rescue Company at (717) 532-5555.

Basic Requirements

This specification is intended to be used for the procurement of a Brush/Rapid attack unit with a removable skid fire suppression unit on a flat bed body.

This specification is not intended as a minimum. It is designed to provide a serviceable piece of equipment without any modifications by West End Fire & Rescue. This specification is written in sections and can be bid as a complete unit or as individual components under each section. There are 5 sections (Chassis, Emergency Lighting, Flatbed, Skid unit and Assembly) sections will be priced separately and with a total unit price.

Section 1 – Chassis

- 1.1 The supplied chassis will be a Ford F550 Super Duty Chassis with 2 Door Supercab XL Extended Cab, 162" Wheelbase (60" Cab to axle), with a 17,950 Lb. Gross vehicle weight (80% is 14,320 lbs.)
- 1.2 A Power Stroke Diesel motor will be supplied.
- 1.3 A Torqueshift 6 Speed select shift automatic transmission with overdrive will be supplied.
- 1.4 The supplied chassis shall have: power steering, power brakes, 4 wheel ABS power brakes, 4 wheel disc brakes (largest available), tow hooks front and rear, auxiliary Idle Kit (SEIC), 40 U.S. gallon fuel tank aft of the rear axle, seven pin trailer connector and factory installed brake controller, Dual alternators (each one 160 amp minimum), manual transfer case and hubs, engine, transmission, and fuel tank skid plates, and steel wheels (painted black).
- 1.5 The interior of the supplied chassis shall have: heavy duty vinyl bucket seats, center console delete from manufacture, driver and passenger airbags, air conditioning, AM/FM Stereo with 2 speakers, black vinyl floor covering, and black vinyl telescoping steering wheel.
- 1.6 The exterior of the supplied chassis shall have: manual telescoping trailer tow mirrors with electronic controlled glass & 2-way fold, black painted steel brush bumper that provides protection to grill and headlight assemblies and provides access to hitch receiver, black painted grill, front fender vents, roof clearance lights, fixed rear window, and black door handles. The cab shall be painted white.

- 1.7 Completed unit to have a Class three receiver hitch at the front and a Class five receiver hitch at the rear of unit. (The rear hitch will be able to allow use of portable winch and trailer towing) 12 volt outlets to be provided at both locations for use of a portable winch. A 7-pin trailer connector shall be provided at the rear trailer hitch. An electric brake controller shall be provided by chassis manufacturer.

Section 2 – Emergency Lighting and Installation

- 2.1 A Whelen Full length, Red LED Light bar no less than 10 LEDs will be supplied and mounted on the top of cab protection bar, on the body bulkhead.
- 2.2 Ten (10) Surface mount RED LEDs to be mounted as follows: 2 in the grill, 1 on each front fender, 2 on all the sides of flatbody on the corners, and two on the rear of the body.
- 2.3 A Whelen Light and Siren combination control head to be mounted in center console and speaker mounted on the front bumper.
- 2.4 Two (2) 12 volt HID scene lights mounted on the flatbody with independent controls at the pump control panel.
- 2.5 Two mobile radios, provided by the purchaser, shall be installed.

Section 4 – Flatbed Body

- 3.1 The flatbed body shall be 9' long by 8' wide, constructed entirely of aluminum, installed with chassis lights, mud flaps, and fuel fill. The bed shall have ICC bumper with receiver hitch, safety chain loops, 7 pin plug, rear taillight skirt with LED tail and back up lights, and license plate bracket with LED light.
- 3.2 The body shall have red and amber LED marker lights as required by DOT.
- 3.3 An electronic back-up alarm will be supplied at the rear of the vehicle and will activate when the transmission is placed in "reverse".
- 3.4 A compartment 108" long x 24" high x 19" deep will be supplied on the passenger side of body. Two (2) doors hinged on top with D handle latches. The roof and walls will be made of 1/8" brite dip diamonette. The floor will be level to allow for it to be swept out. Doors shall have gas pistons on both sides of doors to assist raising. A hose tray to be mounted on top of this compartment (Sizes are approximate and should be as close as possible. Use of a standard grade commercial box is acceptable.)

- 3.5 A Compartment 84" long x 32 " high x 19" deep will be supplied on the driver's side of body. Two (2) doors hinged at the top with D handle latches. The roof and walls will be made of 1/8" brite dip diamonette. The floor will be level to allow for it to be swept out. Doors shall have gas pistons on both sides of doors to assist raising. (Sizes are approximate and should be as close as possible. Use of a standard grade commercial box is acceptable.)
- 3.6 One string of rope light shall be installed inside each compartment on the compartment wall along the sides and top of the door frame. A switch shall be installed so that the lights only activate when compartment doors are open.
- 3.7 Turtle Deck will be supplied for all horizontal surfaces in each compartment.

Section 4 – Fire Suppression Unit

- 4.1 The supplied fire suppression unit shall be a skid unit type – Raised 5" for storage of hard sleeves underneath. The unit shall have a 400 U.S. gallon tank construction of poly material with a life time warranty, hinged bucket fill door located on top of tank toward the front (cab) of the unit.
- 4.2 The suppression unit shall have a 5 U.S. gallon foam tank with foam level indicator window, incorporated into water tank (must not reduce water capacity) with a hinged bucket fill door on top of tank toward the front (cab) of the unit, with a securing clasp.
- 4.3 Water tank will have Tankvision level indicators at pump panel and in cab on center console.
- 4.4 The suppression unit shall have a diesel powered pump capable pumping 150 gpm @ 160 psi.
- 4.5 The following will be supplied on the pump intake manifold: a 3" tank to pump line will be supplied between the tank and the pump, a 2" tank fill line and a 2 ½" female NST intake on the manifold.
- 4.6 The following will be supplied from the discharge manifold: a 1" Re-circulating line from discharge manifold into tank with stainless steel valve, a 1 ½" line to the booster reel, a 2 ½" male NST discharge with cap, 1 ½" male NST discharge with cap, a 1 ½" male NST discharge to a hose tray capable of holding 200' of 1 ¼ " hose to be mounted above compartment on passenger side, and a valve and piping for 2 spray nozzles to be mounted in front bumper.
- 4.7 Piping for front spray nozzles will have incorporated drain valves to prevent freezing.

- 4.8 A 1" Booster reel electric rewind with hose @ 150' (Reel to be mounted on Flatbody behind compartment on driver's side).
- 4.9 Pump will be connected to main fuel tank on vehicle for fuel supply and equipped with an exhaust primer. Control console located at pump will have the following controls: Start/Stop switch, Throttle, Main intake pressure gauge and main discharge pressure gauge, Foam system control and tank water level indicators. The pump and manifold will have drains to allow for full freeze protection of the unit.

Section 5 – Equipment

- 5.1 Three, 8 foot long 3" hard sleeves with NST couplings shall be provided.
- 5.2 The unit shall be supplied with a multi-mount portable winch system that shall be no less than 12,000 lbs. The winch will be priced in bid document as an option.

Section 6 – Assembly

- 6.1 The completed shall unit not to exceed 80% of the gross vehicle rated weight.
- 6.2 All components listed in sections 2 through 6 of this specification shall be assembled and delivered as a complete unit, ready for service. Unit will be price as delivered to the West End Fire & Rescue Company, 49 Lurgan Avenue, Shippensburg, Pennsylvania.