

Lori Hendricks
Wagoner County Clerk



307 E. Cherokee St.
Wagoner, OK 74467
918.485.7716
Fax 918.485.7718

Invitation to Bid

The Board of County Commissioners, Wagoner County, Oklahoma is seeking sealed bids for one or more skid units for the Coweta Fire Department. The unit is to be mounted to an existing 2014 Ram 3500, 8 foot flat bed.

Bid # 2014-12

Date Published: January 23, 2014 (Wagoner Tribune)

Bidding Period Closing Date and Hour: February 7, 2014 @ 4:00 PM

Sealed Bid Opening Date and Hour: February 10, 2014 @ 9:00 AM

Requesting Authority: Coweta Fire Department

Bid submissions are to be: Addressed to:
Wagoner County Purchasing Agent
P O Box 156
Wagoner, OK 74477

Delivered to:
Wagoner County Purchasing Agent
307 E Cherokee
Wagoner, OK 74467

Please review the attached Terms and Conditions pertaining to the submission of this bid.

Please pay particular attention to Item 1 of the Terms and Conditions. This item specifies how the bid envelopes are to be identified to prevent inadvertent or premature opening of sealed bids. Your compliance will ensure consideration of your bid by the awarding body. Late bids will not be considered.

Included in this packet is an Affidavit for Filing with Competitive Bid which must be signed and submitted as part of the bid.

This packet contains:

1. Invitation to Bid
2. Terms and Conditions for Bidding
3. Affidavit for Filing with Competitive Bid
4. Specifications
5. Bid Form

Lori Hendricks
Wagoner County Clerk
P O Box 156
Wagoner, OK 74477

Lori Hendricks
Wagoner County Clerk



307 E. Cherokee St.
Wagoner, OK 74467
918.485.7716
Fax 918.485.7718

TERMS AND CONDITIONS

THESE ITEMS APPLY TO AND BECOME A PART OF THE BID
NO EXCEPTIONS TO THESE TERMS AND CONDITIONS WILL BE CONSIDERED

1. Bids must be submitted on the included form only. Each bid shall be placed in a separate envelope. Be sure the envelope is completely and properly identified and sealed, showing the bid name and number in the lower left hand corner.
2. All bids shall be entered on the Bid Form enclosed or a copy thereof. Bids are to be typewritten or in ink. No bidder may withdraw his proposal for a period of thirty (30) days after the date and hour set for the opening of bids.
3. The bidder shall attach the manufacturer's name of the equipment or material to be furnished, type, model numbers, manufacturer's descriptive bulletins and specifications. All guarantees and warranties should be clearly stated. This data shall be in sufficient detail to describe accurately the equipment or material to be furnished. Manufacturer's specifications, in respect to the successful bidder, shall be considered as part of the contract with Wagoner County.
4. Any exceptions or deviations from written specifications shall be identified in writing and attached to the bid form.
5. The enclosed Affidavit for Filing with Competitive Bid MUST be returned with the bid.
6. Wagoner County reserves the right to reject any and all bids and to waive any technicalities in the bidding.
7. Direct purchase of certain items of equipment or material by Wagoner County is exempt from Federal Excise Tax and Oklahoma Sales Tax. In such cases, the bidder shall quote prices which do not include Federal Excise Tax and Oklahoma Sales Tax.
8. Bid must show number of days required for delivery under normal conditions. Contractor must keep the County advised at all times of the status of the order. For any exception to the delivery date as specified on this order, vendor shall give prior notification and obtain written approval from the Purchasing Agent. Default in promised delivery date, or failure to meet specifications, authorizes the County to purchase supplies elsewhere and charge the full increase of cost and handling to defaulting contractor.

Lori Hendricks
Wagoner County Clerk



307 E. Cherokee St.
Wagoner, OK 74467
918.485.7716
Fax 918.485.7718

-
9. Bidder agrees to defend and save Wagoner County from and against all demands, claims, costs expense, damage and judgments based upon infringement of any patent to goods specified in this order or the ordinary use or operation of such goods by the County or use or operation of such goods in accordance with the bidders' direction.
 10. If the bid requires a written contract, the successful bidders shall execute a written contract with the County within ten (10) days after submission of the contracts to said bidder.

Lori Hendricks
Wagoner County Clerk



307 E. Cherokee St.
Wagoner, OK 74467
918.485.7716
Fax 918.485.7718

SKID UNIT SPECIFICATIONS

TRUCK

Skid unit will be mounted on an existing 2014 Ram 3500, 8' flatbed.

FIRE PUMP

A Waterous pump shall be provided and bolted directly to the specified engine.

PUMP ENGINE

A minimum 20-horsepower engine shall be supplied and mounted to the pump. This engine shall be an air cooled 4-stroke OHV 90° V-twin style.

The engine controls shall be mounted directly on the engine and consist of a keyed electronic start/stop ignition, manual choke, and throttle control.

The engine shall have a two-year warranty.

PUMP ENGINE OIL DRAIN

An engine oil drain valve shall be provided and installed on the engine. The oil drain valve shall have a nipple to accept 3/8" ID hose to allow draining of the engine

PUMP ENGINE FUEL TANK

A minimum 5-Gallon capacity outboard fuel tank shall be supplied for the pump engine and mounted near the pump. The fuel tank shall be constructed of high-density polyethylene (HDPE) and connected to the pump engine with an in-line carbon canister to provide low evaporative emissions as recommended by the government.

DISCHARGE PRESSURE GAUGE

There shall be one (1), discharge pressure gauge installed in the pressure side of the plumbing. The gauge shall be a minimum of 2-1/2" in diameter.

Lori Hendricks
Wagoner County Clerk



307 E. Cherokee St.
Wagoner, OK 74467
918.485.7716
Fax 918.485.7718

PLUMBING

Plumbing shall be a combination of 300 PSI hose and heavy duty stainless steel pipe and fittings.

All discharges and intake adapters to be brass chrome plated.

The stainless steel plumbing shall not be painted.

All valves shall be brass full flow quarter-turn valves.

A stainless steel welded pipe manifold shall be attached to the pump discharge with four (4) 1/4" bolts to facilitate all outlets and reduce friction loss. The manifold assembly shall be constructed of 2" round tubing and capable of accommodating up to two (2) 1" discharges and three (3) 1-1/2" discharge outlets.

A stainless steel welded pipe manifold shall be attached to the suction side of the pump with a clamp for easy removal for service and maintenance. The manifold shall have a tee to facilitate a 2" tank to pump and 2-1/2" intake.

TANK TO PUMP

One (1), tank to pump valve shall be a 2" full flow quarter turn ball valve with a flexible hose to reduce vibration of the pump engine.

PUMP TO TANK/RE-CIRCULATE VALVE

One (1), 1" tank fill or re-circulate line with a quarter-turn ball valve plumbed directly from the pump discharge to the tank with a flexible hose to reduce vibration of the pump engine.

INTAKE

One (1), 2-1/2" male intake shall be mounted to the pump inlet. The intake shall terminate with a chrome 2-1/2" NPT female x 2-1/2" NH male fitting with a screen to prevent foreign objects from entering the pump.

One (1), 2-1/2" NH chrome cap with chain shall be supplied for the intake.

1" DISCHARGE

Lori Hendricks
Wagoner County Clerk



307 E. Cherokee St.
Wagoner, OK 74467
918.485.7716
Fax 918.485.7718

Two (2), 1" NH discharges shall be provided with 1" Watts full flow quarter-turn valves. The discharges shall terminate with a chrome 1" NPT male x 1" NH male fitting and be directed to the rear of the skid.

Two (2), 1" NH chrome cap with chain shall be supplied for the discharge.

FRONT TURRET

A front turret shall be provided and mounted at the front of the apparatus. The monitor shall be constructed of lightweight material and shall have a 2" vaned waterway. The monitor shall be equipped with fully encased stainless steel worm gears with a 12-volt electric motor and a manual override.

The motor driven worm gear shall control the vertical oscillating travel of 135 degrees, with 90 above and 45 degrees below horizontal. The horizontal travel shall have a 180 degree range.

The turret shall be supplied with a joystick that shall control the following functions: monitor right/left, monitor up/down, nozzle straight/fog with a thumb switch on top of joy stick and water on/off with a trigger switch on the front of the joy stick.

The joystick control box shall incorporate a LED power pilot light and an electrical connector.

The monitor shall be plumbed from the pump discharge with a manual 1-1/2" valve to prevent winter freeze-up followed by a combination of fittings and 300 PSI hose to the front of the apparatus. A 1-1/2" 12-volt electric actuated valve shall be installed at the front of the apparatus and controlled with the turret joystick located in the chassis cab.

The turret shall be located at the front of the apparatus and mounted directly to the brush guard towards the right side so the operator can see the turret in its operating envelope.

TURRET NOZZLE

One (1), remote controlled combination nozzle with a 30 GPM constant flow shall be provided.

This nozzle shall have a 12-volt electric motor to control the pattern of straight stream to wide fog, with the replaceable spinning teeth. The nozzle motor shall be controlled with the joystick control box.

Lori Hendricks
Wagoner County Clerk



307 E. Cherokee St.
Wagoner, OK 74467
918.485.7716
Fax 918.485.7718

REEL AND BOOSTER HOSE

One (1), steel electric booster reel, with a capacity of 150' of 1" booster hose shall be supplied.

The reel shall be painted.

A 1" quarter turn ball valve shall be piped from the pump discharge and connected to the booster reel with a flexible hose to reduce vibration from the pump engine.

Two (2), sets of chrome guide rollers shall be supplied with the booster reel. The left side roller set shall be mounted high and the right side roller set shall be mounted low. The rollers shall provide assistance in pulling the hose off from the reel and guiding it on after use.

Two (2), booster reel rewind switches shall be installed, one on each side of the skid unit.

One (1), 1" x 150' section of 300 lb. working pressure rubber booster hose coupled with 1" couplings shall be supplied for the booster reel(s).

The booster reel shall be mounted lengthwise above the booster tank and deploy to the side(s) of the apparatus.

AROUND THE PUMP FOAM SYSTEM

The Around the Pump foam system shall be supplied and mounted to the fire unit. The system is a low-energy system as it introduces ambient air in the foam solution through the discharge.

This system is calibrated to induct foam concentrate ratios of 0.1%, 0.5% and 1%.

When the around the pump foam system is in operation you cannot re-circulate the water flow.

FOAM CELL

One (1), foam cell shall be constructed by as an integral part of the polypropylene water tank. The foam cell can be used for either Class A or AFFF (class B) foam and be completely resistant to any reaction caused by the foam or any additives that may be used under normal circumstances

The foam cell shall have a cover attached with mechanical fasteners to allow access for inspection/cleaning.

The foam tank shall have a manual fill tower with lid.

Lori Hendricks
Wagoner County Clerk



307 E. Cherokee St.
Wagoner, OK 74467
918.485.7716
Fax 918.485.7718

A 1/2" shut-off valve shall be installed between the foam cell and the foam system for ease of maintenance.

BOOSTER TANK

The water tank shall have a minimum capacity of 250 US gallons.

The tank shall have a LIFETIME WARRANTY as supplied by the tank manufacturer.

The tank shall be constructed of 1/2" thick UPF PT-2E polypropylene sheet stock with AccTuff resin.

The material shall be of a certified, high quality, noncorrosive, stress relieved thermo plastic, black in color, and UV stabilized for maximum protection.

The passenger's side rear wall of the tank shall have a standard built in site gauge 2" in width, natural in color, and 70% transparent.

The tank shall be equipped with a combination vent/overflow and manual fill tower. The fill tower shall be an 8" round by 6" high with a molded drop-on type cover. The cover shall be fastened to the tower with a tether to prevent loss. The tower shall be located in the rear passenger's side corner.

There shall be a vent/overflow installed inside and to the extreme rear of the fill tower approximately 2" down from the top. This vent/overflow shall be schedule 40 polypropylene pipe with minimum ID of 3" and piped internally to exit out the right side tank wall.

The tank cover shall be constructed of 1/2" thick polypropylene, black in color, UV stabilized, and flush mounted.

The sump shall be milled into the tank floor and measure approximately 8" diameter and 1/2" deep.

The sump shall not be visible from or protrude through the bottom of the tank.

There shall be three (3), standard tank connections located in the rear wall of the tank. One (1), 2" female tank to pump suction fitting, one (1), 1" female tank fill/recirculate fitting with flow deflector, and one (1), 3/4" female drain opening.

Lori Hendricks
Wagoner County Clerk



307 E. Cherokee St.
Wagoner, OK 74467
918.485.7716
Fax 918.485.7718

TANK FLOOR PLATFORM BASE

There shall be a full-width skid base manufactured of 3/4" PT2E polypropylene welded to the bottom of the tank. This base shall be 48" wide by 93" long and shall extend 31" past the tank in the rear to allow for pump mounting.

Diamond Plating shall be placed on the platform base.

The pump mounting area shall be supported by 1/2" PT2E polypropylene gussets 19" high by 29" long.

The gussets shall be equipped with 2" lifting holes to assist in lifting the unit. The base shall have a mounted tab at the front and two (2) 1/2" drilled holes at the rear of the platform to secure directly to a truck bed without the need for any skid framework underneath.

TANK DRAIN

There shall be a 3/4" female tank drain located on the rear tank wall with a 3/4" stainless steel plug.

DASH SWITCH PANEL

There shall be an adequate switch panel located on the chassis dash. All switches to be rocker panel type and recessed in the module with an integral indicator lights to show when lights are energized.

All switches shall be appropriately identified by back-lighted panel mounted legends.

A custom aluminum mounting bracket shall be designed and installed in the chassis cab to accommodate the bumper turret joystick control.

12-VOLT ELECTRICAL

All electrical components of the unit shall be wired to a terminal stud block with high temperature, copper, multi-strand, crosslink-coated wire enclosed in a protective loom.

PUMP WORK LIGHT

One (1), 12-Volt work light shall be mounted on the unit to light up the work area. An ON/OFF switch shall be located directly on the lamp head.

Lori Hendricks
Wagoner County Clerk



307 E. Cherokee St.
Wagoner, OK 74467
918.485.7716
Fax 918.485.7718

INSTALLATION

The skid unit and all components listed in specifications shall be delivered to Coweta Fire Department and mounted in the vehicle/unit as supplied by the purchaser and connected directly to the 12-volt electrical system.

WARRANTY

Company shall warrant to original purchaser that the apparatus is free of defects in material and workmanship for a period of one (1) year after the date on which the unit is first accepted.

Lori Hendricks
Wagoner County Clerk



307 E. Cherokee St.
Wagoner, OK 74467
918.485.7716
Fax 918.485.7718

BID FORM
INVITATION FOR SEALED BIDS FOR A
SKID UNIT

DATE AND TIME OF OPENING: _____

Bidder agrees to furnish Coweta Fire Department with A SKID UNIT TO BE MOUNTED TO A 2014 RAM 3500, 8' FLATBED.

PRICE FOR SKID UNIT: \$ _____
(To include Delivery, Installation,
and all other Miscellaneous Fees)

The undersigned acknowledges receipt of the following Addenda. (Give number and date of each):

Project will be completed in not more than _____ days after award of bid.

I have examined the terms and specifications and instructions to bidders herein, and agree, provided I am awarded a contract, to provide the above described items for the sum shown in accordance with the terms and specifications stated herein. All deviations are in writing and attached hereto.

MUST BE SIGNED BY AUTHORIZED AGENT TO BE VALID

SIGNATURE: _____

PRINTED NAME: _____

TITLE: _____ FIRM NAME: _____

ADDRESS: _____

PHONE NO: _____ DATE: _____