



DELTA COUNTY BOARD OF COMMISSIONERS

310 Ludington Street, Suite 222
Escanaba, MI 49829

Masonville Township Top Mount Pumper, Red in Color, Title III Funds Request for Proposals

1.1 Purpose

Delta County is requesting sealed bids for a Top Mount Pumper, red in color to be purchased with the assistance of funds from the Secure Rural Schools and Community Self Determination Act Title III program.

1.2 Scope of Work

The Masonville Township Top Mount Pumper, Red in Color must include the following specifications:

- TOP MOUNT PUMP

The Pump should be a Class A Waterous CXPA, 1250 gpm, single (1) stage, power take off (PTO) driven.

- THE OVERALL HEIGHT AND LENGTH

The overall Height of the truck should not be more than 9' 6" or 114.00", The overall Length of the truck should not be more than 30' ¾" or 360.75".

-WATER TANK

The Booster tank should have a capacity of 1000 gallons and be constructed of polypropylene plastic. Tank joints and seams should be nitrogen welded inside and out. The tank should be baffled in accordance with NFPA Bulletin 1901 requirements.

-Left Side Compartments of Pumper

A full height, roll-up door compartment ahead of the rear wheels. The interior dimensions of this compartment should be 29.50" wide x 60.00" high x 26.00" deep in the lower 30.50" of the compartments and 13.00" deep in the remaining upper portion. The clear door opening of this compartment should be 26.625" wide x 63.75" high. A roll-up door compartment over the rear wheels. The interior dimensions of this compartment should be 59.00" wide x 34.25" high x 13.00" deep. The clear door opening of this compartment should be 59.00" wide x 35.25" high.

A full height, roll-up door compartment behind the rear wheels. The interior dimensions of this compartment should be 48.625" wide x 60.00" high x 26.00" deep in the lower 30.50" of height and 13.00" deep in the remaining upper section of the compartment. The clear door opening of this compartment should be 48.50" wide x 63.75" high.

-Right Side Compartments of Pumper

A full height, roll-up door compartment ahead of the rear wheels. The interior dimensions of this compartment will be 29.50" wide x 60.00" high x 26.00" deep in the lower 30.50" of the compartments and 13.00" deep in the remaining upper portion. The clear door opening of this compartment should be 26.625" wide x 63.75" high. A roll-up door compartment over the rear wheels. The interior dimensions of this compartment should be 59.00" wide x 34.25" high x 13.00" deep. The clear door opening of this compartment should be 59.00" wide x 35.25" high.

A full height, roll-up door compartment behind the rear wheels. The interior dimensions of this compartment should be 48.625" wide x 60.00" high x 26.00" deep in the lower 30.50" of height and 13.00" deep in the remaining upper section of the compartment. The clear door opening of this compartment should be 48.50" wide x 63.75" high.

-Rear Compartments of Pumper

A roll-up door compartment above the rear tailboard should be installed with Interior dimensions of this compartment should be 42.00" wide x 56.63" high x 27.88" deep in the lower 47.75" of height and 19.75" deep in the remaining upper portion. The clear door opening of this compartment should be 34.38" wide x 48.25" high.

-AIR BOTTLE STORAGE

There should be a total of four (4) air bottle compartments, two (2) each side of the body. The air bottle compartment should be in the form of a round PVC tube to accommodate different size air bottles. The inside diameter of the tube should be approximately 7.63" in diameter x 26.00" deep.

-LADDER STORAGE

There should be ladder storage so ladders can be stored inside the upper section of the right-side compartments.

-LADDERS

There should be a 24' two-section aluminum extension ladder provided.

There should be a 14' aluminum roof ladder provided.

-MAIN PUMP INLETS

A 6.00" pump manifold inlet should be provided on each side of the pumper. The suction inlets should include removable die cast zinc screens.

-FRONT INLET

A front inlet should be supplied and installed. The plumbing size should be 5.00" inlet from the valve to the front bumper.

-LEFT SIDE DISCHARGE OUTLETS

There should be Two (2) discharge outlets with a 2.50" valve on the left side of the apparatus, terminating with a 2.50" (M) National Standard hose thread adapter.

-RIGHT SIDE DISCHARGE OUTLETS

There should be One (1) discharge outlet with a 2.50" valve on the right side of the apparatus, terminating with a (M) 2.50" National Standard hose thread adapter.

There should be One (1) discharge outlet with a 3.00" valve on the right side of the apparatus, terminating with a male 3.00" National Standard hose thread adapter.

-FRONT OF HOSE BED DISCHARGE OUTLET

There should be One (1) discharge outlet discharge piped to the front of the hose bed and located right side. Plumbing will consist of 2.50" piping with a 2.50" full-flow ball valve controlled at the pump operator's panel. The discharge(s) should terminate with a 2.50" (M) National Standard hose thread adapter

-FRONT DISCHARGE OUTLET

There should be one (1) 1.50" discharge outlet piped to the front of the apparatus and located in the center bumper tray. Plumbing should consist of 2.00" piping and flexible hose with a 2.00" full flow ball valve with control at the pump operator's panel. A fabricated weldment made of stainless-steel pipe should be used in the plumbing where appropriate. The piping will terminate with a 1.50" NST with 90-degree stainless steel swivel.

-BUMPER TURRET

One (1) Forestry electrically controlled monitor should be provided on the left side of the front bumper extension. The monitor should be capable of quick disconnect from the bumper extension. The monitor should be provided with a 125-350 gpm @ 100 psi adjustable nozzle. Control for the monitor should be either a surface mount or flush mounted joystick located on top of the cab console on the officer side. The turret should have a horizontal rotation of 180 degrees and operate from 90 degrees above to 45 degrees below horizontal. The horizontal rotation should be driven by a 12-volt DC direct drive motor/actuator.

-SPEEDLAYS WITH TRAY

Ahead of the pump enclosure should be two (2) 1.75" speedlay hose beds. Each bed should have a 2.00" pre-connect line with a 2.00" quarter-turn ball valve and terminate with a 1.50" National Standard hose thread 90-degree swivel. The swivel should be located at the top of the speedlay compartment to allow easy removal of the hose in either direction.

Each compartment should be capable of carrying 200 feet of 1.75" double jacketed hose with the one (1) compartment located above the other.

A removable tray should be provided for each speedlay hose bed. The speedlay trays should be constructed with

two (2) hand holes for easy removal from the compartment. The floor of the trays will be perforated to allow for drainage and hose drying.

-WATEROUS 1.5 AQUIS FOAM PROPORTIONER

There should be a Waterous Aquis 1.5 direct injection foam proportioning system furnished and installed on the apparatus. The system should be a single agent system suitable for handling Class A foam concentrate only. The foam system should be plumbed into a manifold, so that all outlets plumbed into that manifold are foam capable. This should include but not be limited to the two (2) speedlays and 2.50" rear outlet. (The 2.50" side outlets and the deluge are not plumbed into the manifold and will not be foam capable.)

-FOAM CAPABLE DISCHARGES

The foam system should be plumbed into a manifold. All outlets that are plumbed into that manifold should be foam capable. Foam capable outlets should be: Speedlays (2), Rear 2.50" outlet, and Front 1.50" outlet.

-COMPRESSED AIR FOAM SYSTEM

A 140 cfm capacity compressed air foam should be provided. The system should supply four (4) discharges with CAFS. It should be capable of providing foam solution or compressed air foam from any of the specified CAFS discharges simultaneously.

-DISCHARGES TO CAF CAPABLE

The foam system should be plumbed into a manifold. All outlets that are plumbed into that manifold should be foam capable. Foam capable outlets should be: Speedlays (2), Rear 2.50" outlet, and Front 1.50" outlet.

-AIR COMPRESSOR, HYDRAULIC DRIVEN

An oil flooded rotary screw compressor rated for at least 140cfm @ 125 psig should be provided. The compressor should be mounted in an area that allows for proper service and maintenance of the components. The compressor should be driven by a hydraulic drive system. The hydraulic drive system should be driven by the vehicle transmission through a PTO. All components of the system should be sized and rated for the system to deliver compressed air, uninterrupted, for up to two (2) hours at a time without undue stresses, vibrations, or overheating. The air compressor should be capable of delivering the rated capacity of the compressor when the fire pump is delivering 250gpm @ 120psi from tank or draft.

The system should have the following safety or monitoring devices: Minimum pressure valve, Compressor lube temperature gauge, Compressor system pressure gauge, Air flow meter, Compressor lube temperature warnings, audible and visible, High pressure relief valve on receiver tank, and Applicable warning and information decals.

-AIR TOOL OUTLET

A 1.00" air outlet supplied by the CAFS compressor should be provided on the pump operators panel for a side mount pumphouse and on the left pump panel for a top mount pumphouse. This outlet should have a 1.0" FNST swivel fitting at the panel and a valve behind the pump panel. The outlet should be capable of supplying the capacity of the compressor.

-FOAM TANK

The foam tank should be an integral portion of the polypropylene water tank. The cell should have a capacity of 30 gallons of foam with the intended use of Class A foam.

-COLD CLIMATE PACKAGE

A heat enclosure should be installed trapping hot air radiated from the engine exhaust system, which will warm the fire pump. The enclosure should consist of an aluminum understructure, with easily removable aluminum panels. Also, a covering above the pump should be provided, so warm air cannot escape freely. This covering could be a combination of the cargo area flooring, crosslay flooring, etc. It is not expected to be an "airtight" seal as there must be the required tolerances around any components routed through the cargo area floor, the drainage holes in the crosslay flooring, or required material gaps for component fit up.

A 12v electric gauge heater should be provided for all water carrying gauges. A 33,000 BTU hot water heater should be installed in the pump compartment. Controls for the heater should be located at the pump operator's panel.

-Warning Lights and Siren

One 56.00" LED lightbar should be mounted on the cab roof.

This lightbar should include the following: Four (4) red flashing LED modules facing forward. Two (2) white flashing LED modules facing forward. Two (2) red flashing LED modules one (1) in each front corner. Two (2) red flashing LED modules, one (1) in each rear corner. All lenses should be clear.

Two (2) air horns should be provided and located, in the front bumper, recessed outside the frame rails. An electronic siren with noise canceling microphone should be provided with one speaker that should be recessed in the left side of the front bumper.

Two (2) LED flashing lights should be provided at the front of the truck

A High beam headlight flasher should be installed

-SIDE ZONE LOWER LIGHTING

There should be four (4) , flashing LED warning lights with a flange installed: • Two (2) (1) each side on the rear fender panel. The driver side, side rear light should include red warning LEDs. The passenger side, side rear light should include red warning LEDs. The lenses should be clear.

-REAR ZONE LOWER LIGHTING

There should be two (2) LED warning lights with chrome trim located at the rear of the apparatus.

Four (4) LED flashing warning lights should be provided at the rear of the apparatus with a chrome flange. The side rear upper lights on the driver side should be red. The rear upper lights on the driver side should be red.

The rear upper lights on the passenger side should be red. The side rear upper lights on the passenger side should be red.

-LOOSE EQUIPMENT

The following equipment should be furnished with the completed unit:

(2) 6.0" hard suction hose, 10' long x 6" PVC hard suction hose, coupled 6.0" NH long handle swivel female x 6.0" NH male

(1) 56" long x 6" PVC hard suction hose, coupled 6.0" NH long handle swivel female x 6.0" NH male Installed on the Front Suction inlet

(2) 6.0" LL strainers with jet siphons o One for the front bumper pre-connect o One for the suction hose stored in the hose bed

(2) Worden HWG wheel chocks with (2) Worden U0815 storage brackets o Installed under the left side front compartment prior to delivery

(1) Akron 3423 deck gun: o Apollo-dual inlet portable base o Liftoff (monitor) o Truck mount flange o Akron 5160 nozzle

(2) South Park butterfly valves with drain valves for the 6.0" main intakes

(2) Streamlight 45855, E-spot Litebox, vehicle mount

(1) Red Head 148-3. triple wrench set

(3) Red Head 146-2, double wrench sets o Installed prior to delivery per customer directions

(4) Key Fire Hose model DP17-800-ECO, 1.75" hose x 50' lengths, Red

(4) Key Fire Hose model DP17-800-ECO, 1.75" hose x 50' lengths, Yellow

(2) Key Fire Hose model DP17-800-ECO, 1.75" hose x 50' lengths, Blue

(24) Key Fire Hose model DP30-800-ECO, 3.00" hose x 50' lengths, white

(3) 1.75" Mid-range nozzles with pistol grips

(3) 2.5" nozzle with pistol grips

Super Vac V18-BL-12-AC-SP, 18" Milwaukee battery power portable PPV fan

Black compartment matting with holes Installed prior to delivery

Vertical 'C' channel tracking will be installed in the left side over wheel compartment for the future installation of air paks

(4) Flame fighter SCBA brackets with NFPA compliant strap o Installed in the left-over wheel compartment

1.3 Required Submission Documents

- a. Vendor Experience and Qualifications
- b. Timeline of work if selected
- c. Cost proposal

1.4 Schedule of Events

Proposals must be received, in a sealed envelope in the Administrative Office, Delta County Courthouse, 310 Ludington St, Suite 222 Escanaba MI 49829, up until **3:00pm on Friday June 23, 2023**

Please mark all sealed bids with: Masonville Township Top Mount Pumper, Red in Color, Title III Funds

Proposals will be opened on:

Monday June 26, 2023 at 1:00pm at 310 Ludington St. Escanaba, MI 49829 Room 222, Admin Conf. Room

A final decision is on the proposals is expected to be made during:

The Delta County Board of Commissioners Meeting Scheduled for Tuesday July 18, 2023

Proposals received at or after 3:00 p.m. on Friday June 23, 2023 will not be opened or eligible for consideration. The Delta County Board of Commissioners will make their selection based on its current approved procurement policy.

1.5 Amendments to Proposals

Amendments to or withdrawals of proposals will only be allowed if acceptable requests are received prior to the deadline. No amendments or withdrawals will be accepted after the deadline unless they are in response to the County's request.

1.6 Required Review

Defects: Vendors shall carefully review this RFP for defects and questionable or objectionable matter. Comments concerning defects and questionable material must be made in writing and received by Ashleigh Young, Delta County Administrator, 310 Ludington Street Suite 222, Escanaba, MI 49829. Telephone conversations are not considered official and must be confirmed in writing by the interested party.

1.7 Preparation Costs

The County is not responsible and will not pay for any costs associated with the preparation, submittal, or presentation of any proposal.

1.8 Copies of Proposal

Interested Bidders will provide 4 copies of their proposal

3 - County of Delta

1 - Township

1.9 Confidential Information

Once bids are opened, they will become public record, subject to public viewing and requests under the Freedom of Information Act.

1.10 Right to Cancel

The County of Delta reserves the right to cancel the RFP at any time when it is in the best interest of the County. The County reserves the right to accept or reject any and all submitted bids. The County is not required to accept the lowest bid.