

# **SSF 3000 Bidding Specifications**

## **1.0 INTENT**

It is the intent of this specification to provide for the purchase of one (1) new and unused STEPP STREET FLUSHER to **be used for the purpose of melting and applying crack sealing asphalt and concrete road surfaces.**

The following specification is based upon a STEPP SSF 3000 The Public Works Department has evaluated different styles of water truck equipment and has determined that this product is best suited for the DPW needs in terms of quality and features. This specification shall not be interpreted as restrictive but rather as a measure of quality and performance against which all other water trucks will be compared.

In comparing proposals, comparison will not be confined to price only. The successful bidder will be one whose product is judged as best serving the interests of the DPW when price, product, quality and delivery are considered. The DPW also reserves the right to reject any or all bids or any part thereof, and to waive any minor technicalities. A contract will be awarded to the bidder submitting the lowest responsible bid meeting the requirements.

## **2.0 EQUIVALENT PRODUCT**

Bids will be accepted for consideration on any make or model that is equal or superior to the water truck specified. Decisions of equivalency will be at the sole interpretation of the DPW. A blanket statement that equipment proposed will meet all requirements will not be sufficient to establish equivalence. An original manufacturer's brochure of the proposed product is to be submitted with proposal.

## **3.0 INTERPRETATIONS**

In order to be fair to all bidders, no oral interpretations will be given to any bidder, as to the meaning of the specification documents or any part thereof. Every request for such a consideration shall be made in writing. Based on such inquiry, the DPW may chose to issue an Addendum in accordance with local state laws.

## **4.0 GENERAL**

The specification herein states the minimum requirements of the DPW. All bids must be regular in every respect. Unauthorized conditions, limitations, or provisions shall be cause for rejection. The DPW will consider as irregular or non-responsive any and all bids that are not prepared and submitted in accordance with the bid document and specification, or any bid lacking sufficient technical literature to enable the DPW to make a reasonable determination of compliance to the specification. It shall be the bidder's responsibility to carefully examine each item of the specification. Failure to offer a completed bid or failure to respond to each section of the technical specification (COMPLY: YES NO) will cause the proposal to be rejected without review as non responsive. All variances, exceptions and/or deviations shall be fully described in the appropriate section. Deceit in responding to the specification will be cause for rejection.

**5.0 SPECIFICATIONS**

**TANK:**

**COMPLY  
YES NO**

To have a capacity of 3,000 gallons. Shall be oval in cross section. \_\_\_\_\_

Constructed of 316L Stainless Steel. Heads to be flanged and reinforced, constructed of 316L Stainless steel. \_\_\_\_\_

Tank will be equipped with two (2) 10 gauge steel surge plates with a minimum 12" space between bottom of tank and surge plates, and 6" space between top of tank and surge plates. \_\_\_\_\_

Tank to be electrically welded inside and out. Tank will be tested for leaks in accordance with N.D.E. (Non-Destructive Examination) procedures. Steps to access ladder included. \_\_\_\_\_

Tank to be coated with a epoxy type sealer to prevent rust. All welds will be preformed in accordance with A.S.M.E. specifications. \_\_\_\_\_

Tank will be equipped with a 20" full opening manhole with a 2 1/2" overflow/vent pipe, 2 1/2" anti-siphon hose and a hydrant fill with removable strainer. \_\_\_\_\_

Tank will be equipped with TAPERED sub frame to assure drainage to rear discharge valve. \_\_\_\_\_

Tank shall include an anti-cavitations sump to allow pump to function with out the suction of air at low water levels. \_\_\_\_\_

Tank to be mounted to truck with composite spacers and slip mounts to allow for movement between tank and truck frame without damaging tank. \_\_\_\_\_

**HYDRAULICS:**

To be powered by a load sensing Piston Pump, to provide constant water flow regardless of truck speed, driven off of a transmission mounted PTO. \_\_\_\_\_

Pump will drive a fixed displacement gear motor. Having variable speed control for setting product pump speed . \_\_\_\_\_

To include a Thirty gallon reservoir, all necessary hoses, strainers, filters, overload protection, fittings and temperature gauge shall be included. \_\_\_\_\_

**PUMP:**

**YES NO**

Pump shall be Goulds pump, size 4" x 6" split case with 13" impeller, capacity of 750 gallons per minute at 50 PSI at 1780 RPM.

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**PIPING:**

All plumbing shall be done in 316L Stainless steel.

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All lines shall be designed to be self draining. No valves required for winterizing.

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Unit shall be equipped with four (4) duckbill style nozzles, rated at 150 GPM ea.

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Nozzles will be adjustable for horizontal and vertical movement, two (2) to be located in front of vehicle ahead of steering wheels, and two (2) on the side of tank ahead of drive wheel.

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Unit shall also include a 6" air operated dump valve.

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**CONTROLS AND INSTRUMENTS:**

Unit will have controls mounted inside cab. It will include manifold pressure gauge, pump speed control, and control switches to operate individual water functions. A digital level gauge with hi/low alarm will also be included in the control panel.

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**HEATED STAINLESS STEEL CABINET:**

Heated stainless steel cabinet engine/plumbing enclosure to prevent pump freezing. Heat provided from chassis engine.

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**HOSE REEL:**

Unit shall include an electric rewind hose reel with 100' of 1" hose with adjustable nozzle.

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**LOADING HOSE:**

Tank to be equipped with 2½"x 15' diameter loading hose and a 2½" diameter side loading valve located on curb side of tank.

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**WATER CANON:**

An Elkhart Sidewinder water monitor shall be added to the unit as optional equipment. It shall include a joystick controller to operate the cannon in the up/down, and the left /right position. The joy stick also controls the spray pattern of the nozzle from a fog spray to a stream. Cannon shall be bumper mounted with crash guard.

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**PAINT:**

**YES NO**

All exterior parts to be primed and painted two (2) coats of 2-part polyurethane white paint.

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**STROBE LIGHT:**

Shall have a Strobe light Highlighter LED Amber with Clear Lens.

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**LIGHTS:**

Shall be equipped with a Whelen Super LED Light System: LED light system with 700 series lights to give you high visibility rear lights. Includes rear amber strobe, stop, tail, turn and backup light.

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**WORK LIGHTS:**

Will include Halogen style flood lamps for filling and spraying under low light conditions.

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**WARRANTY:**

One (1) year on parts and workmanship, component parts manufacturers warranty prevails. The tank shall have a five year warranty from leakage due to cracking from normal use.

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**MANUALS:**

Two (2) sets of operators manuals will be issued with each unit.

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**Exceptions & Deviations**

Bidder shall fully describe every variance exception and/or deviation. List the item number here and fully explain any items in non-compliance with specification. Additional sheets may be used if required.

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