

STEELE FIRE APPARATUS

Proposal



<p style="text-align: center;">Lake Ransom Canyon Volunteer Fire Dept 9-18-09</p>

Steele Fire Apparatus appreciates the opportunity to offer this proposal. We are very interested in meeting your needs and requirements for this Small Brush Truck. Below are listings of some of the specifications we offer in this proposal.

Truck to be a 2009 550 Ford 60" cab to axle crew cab
6.4 Diesel Automatic transmission, 17,950# GVWR

Body

The body will be **custom built in our plant** for the riggers of fire service use. The body is to be constructed of 4" Aluminum channels with 3" cross runners and 1/8" aluminum diamond plate on top for a solid surface for the tank and tool boxes to set on. The outside perimeter of the body will be a 5" inverted aluminum channel for the warning lights and stripping to mount in. The body will be mounted to the truck frame by the use of 4"x4"x1/4" aluminum angle on each side of the bed and bolted with 1/2" x 2" Stainless steel bolts. There will be a heavy duty rubber strap between the bed and the truck frame for protection from electrolysis. The bed will meet all Dot requirements. Fuel fill for the truck tank will be at the rear of the body with a label for the type of fuel used.

Headache Rack

There will be a headache rack at the front of the body made from 2" tubing and expanded metal. There will be a 1/8" aluminum plate at the bottom to protect the back of the cab and expanded metal to cover the back glass.

Step Area

The step area will be incorporated into the body for uniform strength. The step area will be 20" wide x 22" deep and will be the same height of the running boards with an inward swinging gate system for safety. The gate will be covered with 1/8" tread bright aluminum on the outside.

Receiver Hitch

There will be a 2" receiver hitch on the back of the body tied to the truck frame.

Front Bumper

There will be a full replacement front bumper with grill guard **custom built in our plant** to fit the truck. The bumper will incorporate a 2" receiver hitch. There will be two (2) D-Rings installed on the bumper.

Two bumper nozzles will be installed and controlled by switches in the cab.

Skid Plates

A 3/16" skid plate will be installed from the bumper to the front axle.

There will be a second skid plate going from the front axle continuing to the back of the transfer case.

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Passengers Side Body Compartment

There will be an aluminum compartment **custom built in our plant** that will measure 48" long x 30" tall x 24" deep. This compartment will be made of 3003 grade Tread Bright Aluminum. The compartment will be formed of as few pieces as possible; this will give the most strength and durability. The doors will be mounted on stainless steel piano hinges and attached with stainless steel bolts. The doors will swing upward and be supported with gas shocks. The Latches on the doors will be a two point locking design made of stainless steel with a D-Ring handle. The doors will be sealed with an automotive type sealer.

Drivers Side Body Compartment

There will be an aluminum compartment **custom built in our plant** that will measure 48" long x 30" tall x 24" deep. This compartment will be made of 3003 grade Tread Bright Aluminum. The compartment will be formed of as few pieces as possible; this will give the most strength and durability. The doors will be mounted on stainless steel piano hinges and attached with stainless steel bolts. The doors will swing upward and be supported with gas shocks. The Latches on the doors will be a two point locking design made of stainless steel with a D-Ring handle. The doors will be sealed with an automotive type sealer.

Pump

The pump will be a Hale HPX200-B18. It will have the capacity of up to 242 gpm @ 25 psi, 231 gpm @ 50psi, 107 gpm @ 125 psi. It is powered by a Briggs & Stratton 18HP with electric start, and exhaust primer for drafting. The pump will have lighted controls at the rear of the body.

Foam System

A 2.1 Hale Foam System shall be installed in the manifold off of the pump allowing a foam solution to all discharges.

Control Panel

A lighted control panel will be mounted at the rear of the unit and will house all the control functions of the pump.

Tank Fill

There shall be a 1-1/2" tank fill line with a 1-1/2" quarter turn valve between the pump and the tank.

Tank Suction

The tank suction line between the tank and the pump will be a 2 1/2" stainless steel line with a quarter turn ball valve. This line will be installed with Victaulic couplings for ease of service and to reduce vibration.

Stainless Steel Plumbing

All plumbing will be stainless steel of sch10 and sch40 material and will incorporate Victaulic couplings for ease of service.

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Suction inlet

One 2 ½" female NH connection with plug will be provided at the rear of the truck for drafting purposes.

Booster hose reel and Hose

The booster reel will be a Hannay electric model #EF4038-17-18 and have the capacity of 100' of 1" hose. The reel will have Chrome guide rollers to help guide the hose on. The reel will have 100' of 1" boostlite hose installed.

Whip line and bumper nozzles discharge

There will be two whip lines at the cross walk area, these whip lines will be 1" x 8' in length. The supply will go over the tank for easy access, and will be a 1 ½" line. This line will also supply water to the bumper nozzles. Both whip lines will be controlled independently by two 1" quarter turn ball valves.

1 ½" Rear Discharge

There shall be 1- 1 ½" discharge to the rear of the truck with a quarter turn ball valve angled downward for fire hose connection.

Ball Valves

All ball valves will brass.

Booster Tank

The booster tank will have the capacity of 400 gallons of water and 10 gallons of foam. It shall be built from ½" copolymer plastics using the latest welding technology. The baffles will be NFPA compliant for the best stability. Hose reel blocks will be welded to the top of the tank so the reel can be mounted. A sight level glass will be built into the tank for water level.

Light Bar

Light bar will be a Able 2 Luminator Light Bar. This light bar will be controlled by a switch in the cab.

Lower Light Package

Ten LED warning lights will be installed on the front bumper and the body of the truck. These Lights will be controlled by a switch in the cab.

DOT Lighting

All DOT lighting will be LED's and will cover Tail lights, Turn signals, Stop lights, Clearance lights, License plate light, and Back up lights.

Master Disconnect

A Master disconnect switch will be installed to control all add on equipment.

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Wiring System

The wiring system of the body will be sized according to the load needed plus a 25% extra. All wiring will be of automotive grade wire and will be installed in a split loom for protection. Circuit breakers and relays will be installed where needed.

Siren

A Carson 1002 siren will be installed.

Speaker

A BCS speaker 100 watt speaker will be installed on the front bumper.

Nozzles

Three SG1560 Viper nozzles and mounting brackets will be supplied with the truck.

Lettering and Stripping

A 4" wide white reflective strip will be installed on the sides of the cab and the body and across the back of the body.

Department lettering in a reflective material will be installed on each door as directed by the department.

Delivery

Delivery will be to your department and will be made approximately 90 days after receipt of the cab and chassis in our shop. Terms of payment are **NET ON DELIVERY**, unless otherwise stated. This proposal shall expire unless accepted within 25 days after the date set above. This expiration date may be extended, in writing, at the discretion of Steele Fire Apparatus.

STEELE FIRE APPARATUS

By: _____

Bill Steele

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1-800-687-7639

Signatures:

Fire Chief or authorized Representative:

Bill Steele or authorized Representative

<i>Bill Steele</i>