

STEELE FIRE APPARATUS

Haskell Texas

1-800-687-7639



11/12/09

Proposal For Rockwall FD

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 the specifications we offer in this proposal. This truck will meet or exceed the Texas Forestry Service requirements.

Body

The body of the truck will be **custom built** in our plant. The body will be made of 4" aluminum channel with 4" aluminum channel for cross runners and 1/8" aluminum sheets for the top of the truck bed. The 1/8" aluminum sheets will be formed to cover the top of the bed and bent down to form the sides of the bed.

There will be a cross walk behind the cab of the truck accessible from both sides with inward swinging gates for fire fighter protection.

A headache rack will be installed at the front of the bed that the inward swinging gates will hinge off of the headache rack.

The top of the bed and the cross walk area will be coated with a spray on bed liner for a non slip surface.

There will be a under body storage compartment 24" wide 6" tall with access from the back with a fold down door.

There will be a 10" tailboard at the rear of the body. This tail board will be supported by 2"x2"x3 1/16" square tubing going around the perimeter and extending back to the frame of the truck.

A 2" receiver hitch will be mounted at the rear of the bed and will be tied to the truck frame. A 7 pin trailer plug will be installed.

There will be a railing from the headache rack to the back of the bed over the top of the compartments.

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Front bumper

There will be a **custom built** full replacement bumper and grill guard mounted on the front of the truck.

This bumper will extend 12" from the front of the truck will be built of 6" channel for the main covered in 1/8" floor plate.

The bumper will tie to the frame of the truck using 1/2" steel plate and 6 1/2" bolts.

The center of the grill guard will be made of 2" round tubing with a .156" wall thickness, and the light guards will be made of 1 1/2" round tubing with a .135" wall thickness.

The center of the grill guard will be covered with expanded metal to give protection to the grill.

There will be a Pierce 12,500# electric winch mounted in the center of the bumper.

The winch will have a 12,500# rated line pull with one wrap on the drum.

There will be 100' of 3/8" aircraft cable installed with a slip hook on the end.

There will be a 15' remote winch controller cable.

Guide rollers will be mounted in the center on the bumper to guide the cable on the winch.

D-Rings will be provided on the bumper for pulling. These D-Rings will be mounted inline with the frame of the truck to give the most strength.

Skid Plates

There will be 3/16" skid plates installed under the truck to protect the undercarriage of the truck.

There will be two plates one from the front bumper to the front axle, and the second one from the front axle to behind the transfer case.

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Running Boards

There will be **custom built** running boards mounted on both sides of the cab this will help protect the cab and give easier access to the cab.

The outside of the Running Boards will be made of 1 1/2" Sound tubing with a .156 wall thickness.

They will be covered with 1/8" floor plate giving a better surface for access to the cab of the truck.

They shall be mounted to the body of the truck to allow the cab to move in conjunction with the truck frame.

Compartments

There will be one compartment on the drivers side of the body and one on the passengers' side of the body.

Estimated measurements to be 36" tall x 60" long x 18" deep.

These compartments will be made of 1/8" grade 3003 smooth aluminum sheets

These boxes will be electronically welded using the latest in welding technology.

They will be formed of as few of pieces as possible to give the best strength

The doors will be made of 3/16" grade 3003 smooth aluminum sheets.

They will have Chrome D-Ring slam latches and will fold upward supported by gas shocks.

An automotive type will be used to seal out water and dirt.

The compartments will be sanded, primed and painted with a single stage paint made by PPG to match the cab.

Hose Trays

There will be two aluminum hose trays above the tool boxes to hold 200' of 1 3/4" hose and nozzle.

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These two trays will be 18" deep x 10" tall x 60" long made of 1" square tubing covered with aluminum expanded metal to allow of the air circulating around the hose.

Pump

The pump will be a Hale HPX200-BD26 Diesel Pump Supplying the Stainless Steel discharge plumbing manifold. The Diesel Motor is a Briggs & Stratton Vanguard.

The fuel to the pump will come from the truck fuel tank by means of a electric fuel pump. This pump will be activated by the igniting switch to the pump.

This manifold will supply the following discharges.

2-1" to the hose reels

1-1 ½" discharge to the rear of the bed with cap and chain

2-1" to the 8' long whip lines with quarter turn brass ball valves

1-2 ½" discharge to the rear of the bed with cap and chain

1-1 ½" to the front bumper for the bumper nozzles

1-3/8" pump cooler line will be installed to flow water at all times.

All the valves will be industrial brass quarter turn ball valves made by Boston Metal Products.

There will be a 2 ½" Female connection at the rear of the truck for drafting and this connection will double as a tank fill from a hydrant.

Pump control panel will be mounted at the rear of the truck in the pump area.

The control panel will have a start switch, oil pressure light, Priming valve, Master intake gage, 400psi discharge pressure gage, Electronic throttle and high temp warning light.

A separate throttle and pressure gage will be installed in the cross walk.

An electric primer will be installed under the truck body tied into the suction manifold of the truck allowing for drafting.

Water tank

A 480 gallon water tank and 20 gallons of foam made by Plas-Mac will be installed on the truck.

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The tank will be made of 1/2" poly and will be baffled to meet NFPA standards.

The tank will carry a lifetime warranty.

There will be a 10" water fill with vent and over flow on top of the tank

A 10" foam fill will be on top of the foam tank.

Nozzles

There will be four TFT nozzles # DQS40P Quadrafog with Pistol grip

They are adjustable from 5, 10, 24, 40 gallons per minute.

Foam System

A Scotty Foam system will be installed to allow foam to all discharges.

This foam system will allow foam to all discharges and will flow up to 1% of class A foam

An electronic foam level gage shall be installed at the pump panel

Hose Reels

There will be two Hannay #EF38-23-24 hose reels mounted one on each side of the bed at the rear of the truck.

These hose reels will be an electric and will have a manual backup.

Each hose reel will have 200' of 1" booster hose on each rated at 800 psi

Electrical

A master disconnect switch will be installed at the drivers door to disconnect all added equipment,

Whelen LED light # I17UF8 all red with LED take downs will be installed behind the windshield.

Eight Whelen 50R03ZCR LED light will be installed on the body of the truck

Four Whelen M4R M LED shall be installed at the midship and for interjector lights.

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One Whelen 295SLA6 Siren amplifier and switch box shall be installed.

One Whelen SA315P Speaker and mount will be installed on the front bumper.

A Kussmaul Auto Charge2000 with Super Auto Eject and charging system will be installed to maintain the batteries.

Compartment lighting will be LED lights controlled by the park lights of the truck. This will allow a simpler operation of lighting by removing switches.

There will be two 4" x6" flood light mounted over the pump area. These will be controlled by a switch on the pump panel.

Two Whelen LED scene lights # PFP1 with a PBAPED base on an extendable pole mounted at the front of the compartments.

A Joto Desk shall be installed in the cab of the truck to mount all electronic equipment in.

A Fire Com intercom system will be installed with 4 places and 4 headsets mounted at customer locations.

A Class 1 electronic water level gage will be mounted at the pump panel and a remote in the cab.

We will mount a customer supplied radio and antenna.

We will also mount customer supplied Opticom system and will wire into the emergency lighting system and shall be disabled through park sensor or switch when driver's door opens.

There will be two Streamlight Light Boxes mounted in locations chosen by the customer.

An electronic back up alarm will be installed on the truck.

All DOT required lighting will be installed with backup lights.

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Fire Chief or authorized Representative:

Bill Steele or authorized Representative:

Bill Steele