



COMMISSION STAFF REPORT

MEETING DATE: February 18, 2025
SUBMITTED BY: David Gallegos, Fire Chief
TITLE: Purchase of Fire Brush Truck
RECOMMENDATION: Approval

SUMMARY

Consideration and Approval of the purchase of a brush truck. The total cost for this piece of equipment is \$198,394, this amount will be spread through 2 Participation Commitment Agreement Years (2024 and 2025) For year one \$143,000 will be spent out and in year 2 (2025) \$55,394 will be spent out. This is year one of the purchase. In 2025 a second request will follow for the \$55,394

HISTORY/PAST ACTION

FISCAL IMPACT

\$143,000

Procurement Request/Approval



SAN JUAN COUNTY

Department:

Date: 12/11/2025

Fire

Grant Program: Participation Commitment Agreement

Items:

| | | | |
|---|---------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> State Contract | <input type="checkbox"/> GSA Contract | <input type="checkbox"/> Sole Source | <input type="checkbox"/> Sealed Bid |
| <input type="checkbox"/> Written Quote | <input type="checkbox"/> Verbal Quote | <input checked="" type="checkbox"/> Budgeted Item | <input type="checkbox"/> Non Budgeted |

Copies Attached:

Other:

Trade In:

Replacement:

Procurement Approval Information:

This will be to purchase a 2024 Ford F550 Fire Apparatus for \$198,394.00

Additional Comments:

The total cost for this piece of equipment is \$198,394, this amount will be spread through 2 Participation Commitment Agreement Years (2024 and 2025) For year one \$143,000 will be spent out and in year 2 (2025) \$55,394 will be spent out. This is year one of the purchase.

Low Bid: Outback Fire

Cost: \$198,394

Department Approval

Requested: Outback Fire

Amount of Request: 143,000


Department Manager Signature:

County Commission Approval

Date:

☐ Approved

☐ Declined

County Fixed

☐ Purchase

PO #:

Equipment

Added to

Asset Number:

Order Issued:

Number:

Insurance:



Outback Fire Apparatus, Inc.
2090 W 500 N, Suite #2
Springville, UT 84663

Proposal

| Date | Proposal # |
|-----------|------------|
| 1/24/2025 | 714 |

| Name / Address |
|--|
| San Juan County Fire 117 South Main/ PO Box 9 Monticello, UT 84535 David Gallegos 435-459-1808 |

| Project |
|---------|
| |

| Item | Description | Qty | Rate | Total |
|-------------|---|-----|--------------|------------|
| Alpine Ford | 2024 Ford F550 Alpine Series Brush Truck • 6.7L POWER STROKE V8 DIESEL • 5 YR 60,000 MILE POWERTRAIN LIMITED WARRANTY • 4X4 • 4 DOOR CREW CAB • 6 speed AUTOMATIC TRANSMISSION • AC • POWER WINDOWS, LOCKS, MIRRORS • TILT WHEEL • CRUISE • ELECTRONIC VEHICLE INFORMATION CENTER • EXTENDED MIRRORS • AM/FM • CLOTH SEATS • KEYLESS ENTRY (ALARM) • BLACK VINYL FLOOR COVERING • CHROME APPEARANCE PACKAGE • 19.5" ALL TERRAIN TIRES • MUD FLAPS • SPARE TIRE • Heavy Duty 9/4" Extruded Aluminum Bod • Heavy Duty Bumper Grille Guard w/ emergency LED flashers (Red/White) • Custom Tool Racks • Heavy Duty Aluminum Boxes Each Side: Front Box - 36" W x 18" H x 18" D Rear Box - 60" W x 18" H x 18" D In Box LED Lighting (Battery Push Button) • Custom Tank Rack w/ (11) Custom Lights: (2) Brake, Tail, Turn Hazard Lights (4) Clearance Lights (2) Whelen M6 Series Emergency Lights (2) Reverse Lights (1) Work Light | | 197,995.00 | 197,995.00 |
| | | | Total | |

Customer Signature



Outback Fire Apparatus, Inc.
2090 W 500 N, Suite #2
Springville, UT 84663

Proposal

| Date | Proposal # |
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| 1/24/2025 | 714 |

| Name / Address |
|--|
| San Juan County Fire 117 South Main/ PO Box 9 Monticello, UT 84535 David Gallegos 435-459-1808 |

| Project |
|---------|
| |

| Item | Description | Qty | Rate | Total |
|--------|---|-----|--------------|---------------------|
| | <ul style="list-style-type: none">• (2) Electric Hannay Hose Reels w/ Chrome Rollers• (2) 100' length 1" hose• (2) 1" hose nozzles• Spanner Wrench Set | | | |
| Custom | Doc Fee | | 399.00 | 399.00 |
| Custom | Shipping not included | | 0.00 | 0.00 |
| Custom | 20% Deposit (\$39,678.00) | | 0.00 | 0.00 |
| | | | Total | \$198,394.00 |

* All Prices quoted are valid for 60 days from the date of stated on the quotation.

Customer Signature _____



Gallegos, Tammy <tgallagos@sanjuancountyut.gov>

Fwd: New Specifications

1 message

Gallegos, David <dgallegos@sanjuancountyut.gov>
To: "Gallegos, Tammy" <tgallagos@sanjuancountyut.gov>

Tue, Feb 11, 2025 at 1:11 PM

----- Forwarded message -----

From: **Mark Hales** <mhales@siddons-martin.com>
Date: Mon, Jan 27, 2025, 2:42 PM
Subject: New Specifications
To: dgallegos@sanjuancounty.org <dgallegos@sanjuancounty.org>

Chief,

It was good seeing you last week. Per the message I left you this morning, the pricing for this design is approximately \$204,000.00.

Please look the specification over and let me know if you have any questions.

Thank you,

Mark Hales
Sales Representative
801-419-8317
[7285 S 700 W](mailto:mhales@siddons-martin.com)
Midvale, Ut 84043
mhales@siddons-martin.com

[https://lh7-rt.googleusercontent.com/docsz/AD_4nXfutebQcljcEuJU2DISTsO8kuYyEXI1-IYMg4TsyRftUL12su5EuzUAYiANiwQyvJYIF6ym2BO1QjtG4u8IPv5aJFazj9LEdVchm9OKq7hDJBND6vQzYfddeYGfnLv54lyfv2vpiA?key=17gAxaN_0I2Q-hRa8sCufKNR]

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CustomerSpecList-2612-01-27-2025__15_36_16.pdf
136K



Specification for:

C-3469 (Ford F550 - 4x4 - Gas - 4 Door - 60" CA)

Submitted To:

David Gallegos

San Juan County Fire

117 S. Main St. Monticello, UT 84535

Specification 2612

01/27/2025

Prepared by:

Mark Hales

Siddons-Martin Emergency Group



Powered Door Locks
Powered Windows
Powered Mirrors
Manual tilt steering wheel: (Unless superseded below in options)

Electrical Systems:

One (1) alternator 240 amp, 12-volt
Two (2) 12-volt, 750 CCA, 78-amp hour batteries
AM/FM Stereo with MP3 Player with fixed antenna
Upfitter Switches
Upfitter Interface Module
Trailer Brake Controller
Trailer harness

Safety / Security:

Air bags: Safety canopy system, first row overhead airbag restraint system, dual seat mounted side impact airbag restraint system
Brakes: 4-wheel ABS, disc brakes, brake assist
Driveline traction control
Factory jack and lug nut wrench set
Tow Hooks: front loops

Seats:

Seating capacity: six (6)
Vinyl Seat Covering
Front 40-20-40 HD folding split bench seat
Rear 60-40 Folding rear split bench seat
Manual driver lumbar support
4-way driver seat adjustment
4-way passenger seat adjustment

Miscellaneous Included Equipment:

Power Steering
Exhaust system: horizontally mounted, discharge on passenger side of chassis aft of rear wheels.
Cooling system: protected to -30 degrees
Printed Manuals: one (1) printed chassis operation manual

Colors:

Interior color: Medium Earth Gray
Exterior cab color: Race Red (Unless superseded below in options)

Chrome Grill with Black Insert

A custom fabricated DA aluminum electrical console and enclosure shall be located between the driver's and passenger's seats. It shall house the siren, switches, cup holder, map box, equipment storage, and auxiliary equipment. It shall have a custom poly faceplate. It shall extend fully to the dash and include arm rests.

C-3541 CAMERA SYSTEM - RVS - 1 CAM

One (1) Rear View Systems camera system shall be furnished utilizing a camera which provides a wide field of view and picture quality. A sealed camera enclosure shall be utilized along with electronic connections. The color monitor shall be installed in cab.

One (1) camera shall cover the rear of the apparatus, which will activate during back-up mode and during normal operations if needed.

C-3612 REAR RECEIVER - STANDARD - WINCH/ROPE/TRAILER

The rear of the chassis shall be equipped with one (1) square steel tube receiver assembly for trailer use and winch applications. It shall be the same size as a Class III trailer hitch and shall be attached to the chassis frame assembly. The receiver shall be rated at approximately 10,000#.

The rear receiver assembly shall be equipped with two (2) heavy duty rear tow loops, one (1) each side.

C-3944 FLAT BED BODY, ALUM, 114" X 96", 60" CA

The body will be a custom fabricated severe service flatbed type constructed of aluminum. The body shall be 114" long by 96" wide, designed for a 60" cab to axle (chassis) dimension. The body shall be specifically designed and engineered for off-road wildland firefighting.

MAIN FRAME

The body shall have 6" structural aluminum channel main frame rails. The body frame rails shall be isolated from the truck frame by .500" industrial isolators.

SUB-FRAME

The cross-members shall be 3" structural aluminum I beams with cross-members on 12" centers.

MOUNTING

The body shall be bolted to the chassis frame rails at the rear end of

upper body corner rails shall house the upper emergency lights and work lights.

C-4132 DIAMOND PLATE

The exterior surface of all body skins, compartments, and trays shall all be polished diamond plate aluminum finish.

C-3853 TRANSVERSE COMPARTMENT (FLAT BED) 24"W

A transverse compartment 24"W x 30"H x 96"L (exterior dimensions) shall be installed in front of the water tank on the body floor. The compartment shall have vertically hinged swing doors at each end. The compartment shall be lined with ventilated vinyl floor liner.

The actual door opening shall be approximately 3" smaller in dimension.

C-3578 COMPARTMENT, D/S, LIFT-UP DOOR 48"

A body equipment storage compartment shall be installed on the flatbed surface, driver's side of the apparatus. The exterior dimensions shall be approximately 48" wide, 30" high, and 18" deep. The compartment shall be constructed of aluminum on all exterior surfaces.

The compartment shall be equipped with:

- a lift up door with latch installed
- key type door locks.
- dual gas operated door opening assistant cylinders.
- a white LED strip light that is automatically controlled by a door activated switch.
- a louvered vent

Compartment Matting shall be installed in the compartment. It shall be black in color and lock together design.

The actual door opening shall be approximately 3" smaller in dimension.

C-3582 COMPARTMENT, P/S, LIFT-UP DOOR 48"

A body equipment storage compartment shall be installed on the flatbed surface, passenger's side of the apparatus. The exterior dimensions shall be approximately 48" wide, 30" high, and 18" deep. The compartment shall be constructed of aluminum on all exterior

A tool storage tray shall be installed over the passenger side equipment compartment, on the passenger side of the apparatus. The exterior dimensions shall be approximately: 16" wide, 10" high, and 64" long. The tool tray shall be constructed entirely of aluminum on all exterior surfaces. The assembly shall be equipped with a hinged, lift-up aluminum door on top, with an enclosed front panel and rear panel. There shall be a set of gas shocks installed on the lid of the tray to aid in opening and closing the tray in a safe manner. The tool tray shall be equipped with ventilated vinyl floor liner.

The actual door opening shall be approximately 3" smaller in dimension.

C-3615 REAR FOLD DOWN STEP

A lighted 8" square folding step of die cast zinc shall be installed. The step shall comply with NFPA non-slip standards and shall be installed on the rear of the body. The step shall be equipped with lighting to NFPA standard.

C-3614 REAR STEP, PULL OUT

There shall be a rear "Pull-Out-Fold-Down" step located at the rear of the apparatus, step shall be stowed in a pocket under the rear of the unit. Storage pocket shall be fabricated to allow easy access to deploying for operation.

C-3634 400 GALLONS, POLY

The water tank shall have a capacity of 400 gallons.

The water tank shall be constructed of black polypropylene, poly-welded and tested inside and out. The tank manufacturer shall define the floor, top, sides, ends, and baffles material thickness. The tank shall carry a lifetime warranty.

The transverse and longitudinal swash partitions shall be interlocked and welded to each other as well as to the walls of the tank. The partitions shall be designed and equipped with vent holes to permit air and liquid movement between compartments. The tank covers shall be welded on top and bottom, and the transverse partitions, providing rigidity during fast fill operations. Drilled and tapped holes for lifting eyes shall be provided in the top area of the water tank.

The water tank manufacturer shall certify the capacity of the water

minimum tensile strength of 33,900 PSI - bronze-fitted. Pump ratio to be selected by the manufacturer's Engineering Department. Seal rings shall be renewable, double labyrinth, wrap around bronze type. Bearings are to be heavy duty, deep groove, radial-type ball bearings, oversized for long life. Bearings to be protected at all openings from road dirt and water splash with oil seals and water slingers.

The fire pump shall have a master drain at the bottom of the water pump housing.

The pump unit shall be supplied with a control panel for remote mounting, panel light, hour meter / tachometer, pressure gauge, on/off ignition switch, and a low oil pressure light, engine choke, engine throttle

Mechanical Seal

The pump shall be furnished with a Darley maintenance free mechanical seal. The mechanical seal shall be a non-contacting, non-wearing seal design. Seal shall be a Silicon Carbide Mechanical seals with welded springs. The stationary face of mechanical seals shall be made from Silicon Carbide, and be extremely hard and of a heat dissipative material, which resists wear and dry running damage much better than conventional Ni-resist and Tungsten Carbide materials

Pump Shaft

Pump drive shaft shall be precision ground, heat treated alloy steel, with a 1-3/8 spline. Gears shall be helical design, and shall be precision ground for quiet operation and extended life. The pump shaft shall be splined to receive broached impeller hubs, for greater resistance to wear, torsional vibration, and torque imposed by engine, as well as ease of maintenance and repair. Pump shaft to be precision-ground 416 stainless steel.

Impeller

The impeller shall be a high strength bronze alloy, splined to the pump shaft for precision fit, durability, and ease of maintenance.

Impeller shaft oil seals shall be constructed to be free from steel components except for the internal lip spring. The impeller shaft oil seals shall carry a lifetime warranty against damage from corrosion from water and other fire-fighting fluids.

Exhaust-Type Primer

The mufflers are coated with High Temp Powder Coat. The primer

C-3701 PUMP FUEL FROM CHASSIS - GAS

The fuel system for the auxiliary fire pump shall be plumbed from the chassis fuel system. There shall be a separate fuel pickup tube mounted in the chassis fuel tank specifically for a separate engine driven pump assembly.

There shall be an electric fuel pump with spin on fuel filter and flexible fuel hose furnished between the chassis fuel tank and the auxiliary pump.

C-3699 PUMP PANEL - REAR DECK MOUNT

A pump panel enclosure shall be installed. The enclosure shall be fabricated of aluminum with a DA finish, bolted in place with a pump instrument panel installed.

An engine and pump control panel shall be installed in the pump panel enclosure. The following shall be on the pump panel:

- 2.5" discharge pressure gauge
- start/stop control
- throttle control
- low oil pressure warning light

The pump control panel shall be installed at the passenger's side rear corner of the body.

C-3706 MANIFOLD, SS (STANDARD)

The auxiliary fire pump plumbing system shall be built mostly of stainless steel piping, fittings, and connections. Victaulic couplings shall be installed to permit flexing of the plumbing system and allow for quick removal of piping or valves for service. Tank connections and remote plumbing shall use high-pressure flexible piping. Flexible hose couplings shall be threaded stainless steel or Victaulic connections.

This shall include valves and hose threads.

C-4733 VALVES, S/S, QUARTER TURN

All valves used in the plumbing installation shall be stainless steel quarter turn full flow type.

The plumbing installation shall include quarter turn ball valves with

C-3711 DISCHARGE, 1.5", REAR, PRE-CONNECT

One (1) 1-1/2" pre-connect discharge shall be installed on the rear hosebed, controlled by a quarter turn ball valve with direct local control handle in pump area. The discharge shall have 1-1/2" NH male hose threads.

The valve shall be on the manifold, with a feed line to the rear of the tray.

C-3722 HOSE REEL, HANNAY, D/S MOUNT

One (1) Hannay aluminum hose reel shall be installed. The reel shall have leak proof ball bearing swing joint, adjustable friction brake, electric 12 volt rewind and manual crank rewind provisions.

The reel shall be mounted on the driver's side rear corner of the flatbed body.

One (1) 1" discharge shall be piped from the fire pump to each hose reel with flexible high pressure hose. The quarter turn ball valve shall be on manifold.

The hose reel shall be provided with a Hannay top mounted stainless steel roller assembly.

C-3733 HOSE, WATER, 300#, 1" X 150', REEL-LI

One (1) 150' foot length of Reel-lite 1" water hose shall be installed on the hose reel. The hose shall be equipped with NH threaded couplings and have a 300 PSI working pressure.

C-4629 NO MONITOR - INCAPATIBLE BUMPER

The will not be a front bumper monitor due to not being compatible with the selected front bumper.

C-3693 FOAM SYSTEM, SCOTTY #4171

A Scotty Model #4171 Class A through-the-pump foam system shall be installed to supply all discharges. The unit shall be mounted at the rear of the apparatus, within easy reach of pump operator. The unit shall be adjustable, permitting various foam ratio percentages to be educted depending on the nozzles in use. Foam selection percentages between .07 and 3% shall be available. The foam system has been designed for simplicity of operation and maintenance. The 3/4" supply line can be disconnected from the scotty foam system and used as a flush line.

Two (2) Whelen M6 Series Model M6BTT 4-5/16" x 6-3/4" brake, turn, tail lights with M6FC chrome flanges shall be provided. The warning lights shall incorporate Linear Super-LED and Smart LED technology. The lighthouse configuration shall consist of 18 red Super-LEDs and a clear optic polycarbonate lens. The lighthouses shall be surface mountable via two screws.

The lighthouses shall utilize an optic collimator and a chrome vacuum metalized reflector for maximum illumination. The lighthouse shall include 164 flash patterns including: a variety of CA Title 13 compliant, sinkable, left/right, top/bottom, in/out, and steady burn. The lighthouses shall have the Whelen exclusive NERM (Non-Emergency Recognition Mode) feature.

The lens/reflector assembly shall be wet sealed and resistant to: water, moisture, dust, and other environmental conditions. The outer lens shall have a hard coating applied to increase strength and ensure longevity. The light engine shall be installed at the rear of the unit and be completely sealed. The pc board shall be conformal coated for additional protection.

The lights shall be furnished with five 6" wire pigtails, a Santoprene rubber gasket and the #M6FC chrome flanges shall be included for installation.

C-3765 BACK UP LIGHTS, WHELEN M6 SERIES, LED,

Two (2) Whelen M-Series, 4" x 6" rear LED back-up lights shall be installed.

C-4535 SIREN, ELECTRONIC, WHELEN, CORE

A Whelen CenCom Core system shall be provided. This system shall control the warning and scene lights as directed by the fire department.

The control head shall be the CCTL7. It is a 3 Section Control Head with 21 Push-Buttons, a 4-Position Slide Switch, and a microphone with extension Cable.

C-3747 SIREN SPEAKER (1)

One (1) Whelen Model #SA315P Projector Series siren speaker shall be provided with bracket. The 100 watt siren speaker shall be designed in a black nylon composite housing with 123 decibel rating.

The lightbar shall be mounted on the front of the body with an aluminum brush guard protective assembly.

C-3749 WARNING LIGHTS, WHELEN, M-7 SERIES (12)

ZONE A -- LOWER FRONT WARNING LIGHTS

Two (2) Whelen M-7 Series Model #M7RC 3" x 7" warning lights with chrome flanges shall be in the front forward facing area of the front bumper. The warning lights shall incorporate Linear Super-LED and Smart LED technology. The lighthouse configuration shall consist of RED 18 Super-LEDs and a clear optic polycarbonate lens. The lighthouses shall be surface mountable via two screws. The lighthouses shall utilize an optic collimator and a chrome vacuum metalized reflector for maximum illumination.

ZONE B AND D -- INTERSECTION LIGHTS

Two (2) Whelen M-7 Series Model #M7RC 3" x 7" warning lights with chrome flanges shall be installed on bumper extension, as far forward as possible. The warning lights shall incorporate Linear Super-LED and Smart LED technology. The lighthouse configuration shall consist of RED 18 Super-LEDs and a clear optic polycarbonate lens.

ZONE B AND D -- LOWER SIDE REAR WARNING LIGHTS

Two (2) Whelen M-7 Series Model #M7RC 3" x 7" warning lights with chrome flange shall be installed in lower rearmost side body area as space permits. The warning lights shall incorporate Linear Super-LED and Smart LED technology. The lighthouse configuration shall consist of RED 18 Super-LEDs and a clear optic polycarbonate lens.

ZONE B AND D -- UPPER SIDE REAR WARNING LIGHTS

Two (2) Whelen M-7 Series Model #M7RC 3" x 7" warning lights with chrome flanges shall be installed in the upper rear body side panel. The warning lights shall incorporate Linear Super-LED and Smart LED technology. The lighthouse configuration shall consist of RED 18 Super-LEDs and a clear optic polycarbonate lens.

ZONE C -- UPPER REAR WARNING LIGHTS

Two (2) Whelen M-7 Series Model #M7RC 3" x 7" warning lights with chrome flanges shall be installed in the upper rear corner of the handrails. The warning lights shall incorporate Linear Super-LED and Smart LED technology. The lighthouse configuration shall consist of RED 18 Super-LEDs and a clear optic polycarbonate lens.

ZONE C -- LOWER REAR WARNING LIGHTS

the following colors:

Colors to be determined at preconstruction meeting.

C-3771 STRIPE, CAB/BODY, SINGLE REFLECTIVE, 4"

The cab and body shall have a straight Scotchlite reflective stripe applied horizontally. The stripe shall be a 4" minimum in width and be applied horizontally around the cab and body in accordance with NFPA standards. The purchaser shall specify the color and location of the stripe.

C-3525 BATTERY SWITCH, MASTER DISCONNECT, CH, R

A rotary type master disconnect switch shall be provided in the cab within easy reach of the driver. The switch shall have a switch plate with Off/On label.

There shall be a GREEN indicator light in the center console indicating the power is "ON".

C-3759 FUSE BOX

An electric enclosure for the 12 volt wiring shall be installed in the the apparatus. It shall have a removable panel or door to be able to access the components inside for maintenance purposes. It will be mounted in a location predetermined by the factory, accessible to the end user. Size shall be pre-determined by the factory.

C-3758 BACK UP ALARM

One (1) back up alarm shall be installed.

C-3763 LICENSE PLATE, MOUNTING

There shall be mounting provisions for the front and rear license plates.

An LED license plate light shall be installed on the rear vertical wall of the body for the rear license plate.

C-3762 CLEARANCE LIGHTS, LED, DOT

All LED identification lights shall be installed on the vehicle as required by applicable highway regulations.

minimal impact on the apparatus electrical system. Connections shall be crimp-type with heat shrink tubing with insulated shanks to resist moisture and foreign debris such as grease and road grime. Weather resistant connectors shall be provided throughout the system.

Electrical junction or terminal boxes shall be weather resistant and located away from water spray conditions. When required, automatic reset breakers and relays shall be housed in the main body junction panel.

There shall be no exposed electrical cabling, harnesses, or terminal connections located in compartments, unless enclosed in an electrical junction box or covered with a removable electrical panel. Wiring shall be secured in place and protected against heat, liquid contaminants and damage.

Low voltage overcurrent protective devices shall be provided for the electrical circuits. The devices shall be accessible and located in required terminal connection locations or weather resistant enclosures. Overcurrent protection devices shall be automatic reset type suitable for electrical equipment and meet SAE standards. All electrical equipment, switches, relays, terminals, and connectors shall have a direct current rating of 125 percent of maximum current for which the circuit is protected. Electro-magnetic interference suppression shall be provided in the system as required in applicable SAE standards.

The electrical system shall include the following:

Electrical terminals in weather exposed areas shall have a non-conductive grease or spray applied. All terminal plugs located outside of the cab or body shall be treated with a corrosion preventative compound.

All electrical wiring shall be placed in a protective loom or be harnessed.

Exposed connections shall be protected by heat shrink material and sealed connectors.

Large fender washers shall be used when fastening equipment to the underside of the cab roof and all holes made in the roof shall be caulked with silicone.

Electrical components installed in exposed areas shall be mounted in a manner that will not allow moisture to accumulate inside.

A coil of wire must be provided behind an electrical appliance to allow them to be pulled away from mounting area for inspection and service work.

C-3796 12V ELECTRICAL LOAD

A 12 volt electrical load analysis shall be performed in order to test response and stationary modes of electrical amp load.

C-3799 ROAD TEST, 10 MILES

A road test will be conducted with the apparatus fully loaded and a continuous run of no less than ten (10) miles. During that time the apparatus will show no loss of power nor will it overheat. The transmission drive shaft or shafts and the axles will run quietly and be free of abnormal vibration or noise.

C-3800 5-YEAR PARTS & LABOR/10-YEAR BODY INTEGR

A five (5) year parts and labor warranty on items manufactured by Skeeter Emergency Vehicles and a ten (10) year warranty on the structural integrity of the body. For warranty issues please contact your local dealer or Skeeter Emergency Vehicle service center and request warranty from the service advisor at that location.

C-4523 BASIC APPARATUS LABELING

Per NFPA a permanent label shall be mounted in the cab showing the following information:

A permanent label in the driving compartment shall specify the quantity and type of the following fluids used in the vehicle and tire information:

1. (1)
Engine oil
2. (2)
Engine coolant
3. (3)
Chassis transmission fluid
4. (4)
Pump transmission lubrication fluid
5. (5)
Pump priming system fluid, if applicable
6. (6)
Drive axle(s) lubrication fluid
7. (7)
Air-conditioning refrigerant
8. (8)
Air-conditioning lubrication oil
9. (9)
Power steering fluid

the apparatus

One (1) Label indicating height and weight of the apparatus shall be installed in a location visible to the driver.

One (1) Safety Sign, FAMA 06, which warns of the need to use a seatbelt while the vehicle is in motion.

One (1) Safety Sign, FAMA 10, which warns of the need secure all loose items in the cab while the vehicle is in motion.

One (1) Safety Sign, FAMA 24, which warns against riding on the vehicle while it is in motion.

One (1) Safety sign, FAMA 23, which warns of the proper climbing method, shall be visible to personnel entering the cab and at each designated climbing location on the body.

One (1) Safety sign, FAMA 25, which warns of the need for training prior to operating the apparatus, shall be located on the pump operator's panel.

One (1) Safety Sign, FAMA 43, warning not to wear helmets while vehicle is in motion shall be visible from each seat.

One (1) Indicator installed in the cab of the apparatus that when illuminated will indicate "Pump Engaged" and "OK to Pump" if the apparatus is designed to pump and roll the indicator shall be labeled "OK" to Pump and Roll"

C-3785 PRE-CONSTRUCTION CONFERENCE, AT FACTORY

A pre-construction conference shall be held at Skeeter Emergency Vehicles manufacturing facility in Hillsboro, Texas. The purpose of the conference is to review and clarify aspects of apparatus components and construction. It shall be attended by representatives of the purchasing department, the apparatus dealer, and Skeeter Emergency Vehicles.

The transportation to this meeting shall be the responsibility of purchaser.

C-4269 FINAL INSPECTION AT SKEETER

Representatives from the purchaser and the dealer shall be present at Skeeter's manufacturing facility in Hillsboro, Tx for the final inspection of the apparatus. A factory representative will assist the purchaser with review of the specifications to confirm they match the apparatus.

Cost of transportation to and from the facility shall be the responsibility of the purchaser.

Follow Up Brush Truck Discussion Utah Conference/School

2 messages

Steve Lynn <slynn@seawestern.com>
To: "dgallegos@sanjuancountyut.gov" <dgallegos@sanjuancountyut.gov>
Cc: Jordan Koffler <jkoffler@seawestern.com>

Tue, Jan 28, 2025 at 2:57 PM

Chief,

Appreciate you taking some time last week and letting us share some information on our brush truck offerings with you. We have units that will be available this year as mentioned and have only a handful of upfits that can be added if needed. See attached and that should give you a better idea on the upfit items along with dimensions of the compartment etc. Let me know if you have any questions.

Model 5 Pricing: \$245,000 Includes Ford F550 Crew Cab Chassis with standard tire configuration with no options. Options available/pricing for both are attached, but based off our conversation, see the yellow highlighted options I marked for the standard tire unit you could add.

Steve

Steve Lynn

Emergency Vehicle Sales

slynn@seawestern.com

208-703-7740 / 800-572-3939

www.seawestern.com

www.seawestern.com



245,000

3 attachments

 SWEV STD Model 5 Print.pdf
3533K

 Model 5 Options Ext Pricing Cheat Sheet.pdf
126K

 SWEV Model 5 STD Specifications.pdf
286K

Gallegos, David <dgallegos@sanjuancountyut.gov>
To: Steve Lynn <slynn@seawestern.com>
Cc: Jordan Koffler <jkoffler@seawestern.com>

Tue, Jan 28, 2025 at 4:29 PM

Thanks, I'll check them out.
[Quoted text hidden]



Gallegos, Tammy <tgallegos@sanjuancountyut.gov>

Fwd: Follow Up Brush Truck Discussion Utah Conference/School

1 message

Gallegos, David <dgallegos@sanjuancountyut.gov>
To: "Gallegos, Tammy" <tgallegos@sanjuancountyut.gov>

Tue, Feb 11, 2025 at 2:44 PM

----- Forwarded message -----

From: **Steve Lynn** <slynn@seawestern.com>

Date: Tue, Jan 28, 2025 at 2:57 PM

Subject: Follow Up Brush Truck Discussion Utah Conference/School

To: dgallegos@sanjuancountyut.gov <dgallegos@sanjuancountyut.gov>

Cc: Jordan Koffler <jkoffler@seawestern.com>

Chief,

Appreciate you taking some time last week and letting us share some information on our brush truck offerings with you. We have units that will be available this year as mentioned and have only a handful of upfits that can be added if needed. See attached and that should give you a better idea on the upfit items along with dimensions of the compartment etc. Let me know if you have any questions.

Model 5 Pricing: \$245,000 Includes Ford F550 Crew Cab Chassis with standard tire configuration with no options. Options available/pricing for both are attached, but based off our conversation, see the yellow highlighted options I marked for the standard tire unit you could add.

Steve

Steve Lynn

Emergency Vehicle Sales




slynn@seawestern.com

208-703-7740 / 800-572-3939

www.seawestern.comwww.seawesternev.com



3 attachments

-  **SWEV STD Model 5 Print.pdf**
3533K
-  **Model 5 Options Ext Pricing Cheat Sheet.pdf**
126K
-  **SWEV Model 5 STD Specifications.pdf**
286K



PROJECT DETAILS:

CUSTOMER: SEAWESTERN EV STOCK UNIT
TITLE: SWEV MODEL 5 STD
DATE: 12/2024
DRAFTSMAN: J. KOFFLER

CHASSIS INFO:

CHASSIS: 2024 FORD F550 XL 4X4 1950GVNR 60" CA
ENGINE: 6.7L POWERSTROKE DIESEL
FUEL: NONE
MODIFICATIONS: FACTORY
SUSPENSION: FORD RACE RED
UPPER PAINT: FORD RACE RED
LOWER PAINT: FORD RACE RED

BODY INFO:

BODY TYPE: HPI SWEV MODEL 5 BODY (4" SILL)
BODY FINISH: FLAG RED POWDERCOAT
DOOR: SWING: L1/R1, L3, R3, TOP LIFT: L2, R2
DOOR FINISH: FLAG RED POWDERCOAT
COMPARTMENT LIGHTING: ONSCENE SOL. LED (X2)
TOPSIDE LAYOUT: BASKETS LH + RH, COFFIN CENTER F

COMPARTMENT INFO:

L1/R1: 30"(16")W X 46"(26")H X 96"D
L2: 50"W X 26"H X 23"D
L3: 22"W X 14"H X 18"D
R2: 50"W X 26"H X 23"D
R3: 22"W X 14"H X 18"D
OTHER: T1:48"W X 15"W X 12", BSKT:80"W X 12"H

SUPPRESSION INFO:

TANK CAPACITY: FAST ATTACK ONLY 400G
FOAM CELL: INTEGRATED
PUMP: DARLEY 1.5AGE21H
FUEL SOURCE: FUEL CELL (GAS)
PRIMER: GUZZLER DIAPHRAGM
PUMP CONTROLS: MOUNTED CONTROL PANEL
VALVE TYPE: AKRON BRASS SWING OUT
BOOSTER REEL(S): SINGLE OS DECK CORNER
FRONT DISCHARGE(S): NONE
REAR DISCHARGE(S): QTY 2, 1.5"
AUX. DISCHARGE(S): QTY 1, FUTURE EXPANSION 2"
PRECONNECT(S): 1.5"
TANK FILL: 1.5"
SUCTION / TANK-PUMP: 2.5" / 2.5" INTAKE T
HYDRANT FILL: NONE

Dimensions shown are approximate and subject to change as may be found necessary during construction. Minor details may not be shown to retain clarity within the drawing. The drawing is for reference purposes only and specifications shall be the final authority of what is supplied on the apparatus.

Inclusion or exclusion of any item on the drawing does not constitute inclusion or exclusion of that item with the final delivered unit in the event there are discrepancies between the drawing and the specifications. The specifications shall prevail.

SUPER SINGLE TIRES & SUSPENSION UPGRADE OPTIONS BELOW

| QTY | ITEM | SELECTION | DESCRIPTION | VENDOR(S) | PART #(S) | TOTAL \$ | NOTES |
|-----|--------------------------------------|--------------|---|------------------|---------------------|-------------|-------|
| 1 | FORESTRY MONITOR | AKRON 3462 | AKRON 34621103 FORESTRY MONITOR W/ LOW FLOW 30-120 NOZZLE, 12V, W/ JOYSTICK, W/ E VALVE, W/ QD | AKRON | 34621103 | \$ 8,276.00 | |
| 1 | FORESTRY MONITOR INSTALL / PLUMBING | 3462 INSTALL | INSTALL AND PLUMBING 3462, FROM 2" CAPPED FUTURE EXPANSION DISCHARGE | MULT | MONITOR KIT 1 | \$ 1,597.45 | |
| 1 | DS DECK HOSE REEL | HANNAY DS | HANNAY EF16.5-30-31 HOSE REEL W/ STANDARD REWIND SPOOL 125' 1" BOOSTER CAPACITY PAINT GRAPHITE MOUNTED DS REAR DECK CORNER | HANNAY | HAN EF16.5-30-31-RT | \$ 1,460.00 | |
| 1 | DS DECK HOSE REEL INSTALL / PLUMBING | INSTALLED | INSTALL BOOSTER REEL, DS REAR DECK CORNER - TIE TO DISCHARGE PLUMBING FROM DC MANIFOLD, 1" 1/4 TURN VALVE CONTROL, REWIND SWITCH MIRRORED FROM OS | SWEV | SWEV CUST | \$ 800.00 | |
| 1 | GRAPHICS | PACKAGE 1 | DEPT DOOR LOGOS ON FRONT CAB DOORS (EA SIDE) UNIT ID CAB REAR DOORS (EA SIDE) WHITE REFLECTIVE 6" STRIPE ALONG BOTTOM OF BODY AND COMPARTMENT MIDLINE W/ 1/2 GAP AND 1/2 TRACER (TOP & BOTTOM) NFPA LIME / RED CHEVRON ON APRON | MONSTER GRAPHICS | MG CUSTOM | \$ 3,400.00 | |

STANDARD TIRES UPGRADE OPTIONS BELOW

| QTY | ITEM | SELECTION | DESCRIPTION | VENDOR(S) | PART #(S) | TOTAL \$ | NOTES |
|-----|--------------------------------------|---------------------------------|---|------------------|---------------------|-------------|-------|
| 1 | LEVELING KIT, F550 | 2.5 FRONT LIFT | 2.5" COIL SPRING FRONT LIFT KIT - FORD F450 / 4550 SUPER DUTY 4WD 2020-2024 ALLOWS 35" TIRES | READY LIFT | 46-20252 | \$ 2,050.00 | |
| 7 | 35" TIRES (x7) | 267/70R-19.5/14 M-608Z TRACTION | TOYO M608Z REGIONAL DRIVE TIRES, SET OF 7 | LST | 172454 | \$ 4,307.93 | |
| 1 | TIRE MOUNT / BALANCE | TIRE MOUNT / BALANCE | DISMOUNT & MOUNT, NEW TRUCK TIRE - W/ TUBELESS VALVE STEMS (NEW [INC]) | LST | 1152161, 648662 | \$ 369.00 | |
| 1 | FORESTRY MONITOR | AKRON 3462 | AKRON 34621103 FORESTRY MONITOR W/ LOW FLOW 30-120 NOZZLE, 12V, W/ JOYSTICK, W/ E VALVE, W/ QD | AKRON | 34621103 | \$ 8,276.00 | |
| 1 | FORESTRY MONITOR INSTALL / PLUMBING | 3462 INSTALL | INSTALL AND PLUMBING 3462, FROM 2" CAPPED FUTURE EXPANSION DISCHARGE | MULT | MONITOR KIT 1 | \$ 1,597.45 | |
| 1 | DS DECK HOSE REEL | HANNAY DS | HANNAY EF16.5-30-31 HOSE REEL W/ STANDARD REWIND SPOOL 125' 1" BOOSTER CAPACITY PAINT GRAPHITE MOUNTED DS REAR DECK CORNER | HANNAY | HAN EF16.5-30-31-RT | \$ 1,460.00 | |
| 1 | DS DECK HOSE REEL INSTALL / PLUMBING | INSTALLED | INSTALL BOOSTER REEL, DS REAR DECK CORNER - TIE TO DISCHARGE PLUMBING FROM DC MANIFOLD, 1" 1/4 TURN VALVE CONTROL, REWIND SWITCH MIRRORED FROM OS | SWEV | SWEV CUST | \$ 800.00 | |
| 1 | GRAPHICS | PACKAGE 1 | DEPT DOOR LOGOS ON FRONT CAB DOORS (EA SIDE) UNIT ID CAB REAR DOORS (EA SIDE) WHITE REFLECTIVE 6" STRIPE ALONG BOTTOM OF BODY AND COMPARTMENT MIDLINE W/ 1/2 GAP AND 1/2 TRACER (TOP & BOTTOM) NFPA LIME / RED CHEVRON ON APRON | MONSTER GRAPHICS | MG CUSTOM | \$ 3,400.00 | |



SEAWESTERN EV

**WEST COAST
BRUSH/ ATTACK UNIT
STD SUSPENSION**

SeaWestern Emergency Vehicles

123 S Front Street
Yakima, WA 98901
evsales@seawestern.com
1-800-572-3939

type of ownership, partnership, or any similar type of agreement will be immediately rejected.

If the manufacturer of the apparatus, or if any owner, shareholder, or immediate relative of an owner or shareholder that has previously been involved in or held ownership in any company that has filed bankruptcy or any other type of reorganization plan, it must be clearly stated in the bid proposal. The statement must include details and dates of all occurrences.

FAMA COMPLIANCE

The apparatus manufacturer must be a current member of the Fire Apparatus Manufacturer's Association (FAMA) and must provide certificate of membership.

FAIR, ETHICAL AND LEGAL COMPETITION

In order to ensure fair, ethical, and legal competition the apparatus manufacturer shall have ever been fined or convicted of price fixing, bid rigging, or collusion in any domestic or international fire apparatus market.

PROPRIETARY PARTS

It is the intention of the purchaser for all bidders to furnish the apparatus with major parts commonly used by the heavy-duty truck manufacturers and open market vendors whereas replacement parts are more readily available and at reduced cost. The use of proprietary parts may not be acceptable to the purchaser.

MANUFACTURER'S DISCRETION

Materials, parts, or procedures used are subject to change at manufacturer's discretion at any time to provide equal or better products.

PRODUCT QUALITY AND WORKMANSHIP

left at the purchaser's location without full acceptance and payment or prior agreement between the Purchaser and Bidder.

Final delivery price shall not include any Local, State or Federal taxes. The manufacturer shall not be liable for any State or Federal mandated tax or program after sale or delivery of the apparatus.

VEHICLE ACCEPTANCE AND DELIVERY

The customer shall pickup the vehicle at the manufacturing facility and shall supply evidence of sufficient insurance coverage to transport the vehicle.

FUEL TANK FILLED AT DELIVERY

The fuel tank and DEF tank (if applicable) shall be filled upon final delivery at the factory.

APPARATUS DIMENSIONS

These are standard truck dimensions. Changes in configuration or additional options may affect these dimensions. The contract specification shall contain the exact dimensions.

OVERALL HEIGHT

The overall height shall be less than 96.00".

OVERALL LENGTH

The overall length shall be no longer than 26.00'.

OVERALL WIDTH

The overall width of the body shall be 96.00" wide; chassis mirrors will extend out past this width.

ANGLE OF APPROACH

- Air compressor system lubricant
- Generator system lubricant (if applicable)

Chassis Data:

- Chassis Manufacturer
- Production Number
- Year Built
- Vehicle Identification Number

Location shall be in the driver's compartment of the chassis cab.

OVERALL HEIGHT, LENGTH, GVW DATA PLAQUE

A "high visibility" plate shall be permanently mounted in the cab, visible to driver when seated.

The plate shall show the overall height of the completed apparatus in feet and inches, the overall length of the completed apparatus in feet and inches.

The plate shall also show the gross vehicle weight rating (GVWR) in tons.

Text shall also be supplied on the plate, indicating that the information shown is current upon completion of the apparatus. If the overall height of the apparatus changes after the apparatus is put into service, then the purchaser must revise the dimensions on the plate.

COMMERCIAL CHASSIS SPECIFICATION

CHASSIS PROVIDER

The chassis, as detailed in these specifications, shall be ordered and supplied by the apparatus manufacturer.

CHASSIS

One (1) new FORD F-550 rear axle drive 4x4, dual rear wheels (DRW), four door, crew cab XL cab and chassis.

Wheelbase: 179.00"

REAR SUSPENSION

The rear suspension will be a leaf spring type, with a capacity at ground level of 15,000 lbs.

The rear stabilizer bar will be included.

PARKING BRAKE

The parking brake will be located on the rear axle service brake.

Rear axle brakes will be disc style.

HIGH CAPACITY TRAILOR TOW PACKAGE

Package includes:

- Trailer brake wiring kit
- Increase GCW on diesel engine from 32,500 lbs. to 40,000 lbs. (F-550)

BRAKING SYSTEM

Power vented disc with Anti-Lock Brake System (ABS), electronically controlled brake boost and Automatic Emergency Braking (AEB).

SHIFT ON THE FLY

Transfer case: Electronic shift-on-the-fly cab controlled high and low range HD front package, stabilizer bar, front shocks, with auto/manual locking hubs and rotary switch on dash.

SKID PLATE

Transfer Case Skid Plate Shield

POWERTRAIN

- 6.7L Power Stroke V8 Turbo Diesel Engine, OHV (32-valve)
- Horsepower: 330 HP @ 2,200 RPM

As provided by the chassis manufacturer, there will be no means to drain the fuel tank. This apparatus will be non-compliant to NFPA 1900 standards effective at time of contract execution.

REAR AXLE RATIO

The ratio of the rear axle shall be 4.30 limited slip.

Engine Block Heater

PTO PROVISION

Transmission Power Take-Off Provision

CAB TYPE

Conventional, engine forward, four (4) door crew cab

Construction: Welded steel

Accessories:

- Solar Tinted glass in all windows
- Dual sun visors
- Electric windshield washer
- Dome light
- Fresh air heater and defroster
- Dual electric horns
- Driver, passenger, curtain, and rear air bags
- Gray Vinyl Upholstery
- Roof Clearance Lights
- Black vinyl full floor covering
- 12V Auxiliary Power Point
- Black Fender Moldings

Headlamps: dual beam jewel effect

Climate Controls: controls for heat, defroster, and air conditioning

Mirrors: black manually telescope fold-away in/out for view adjustment.

Six (6), 10-hole Disc, 19.50" x 6.00" RW Steel

TIRES

Six (6) LT225/70Rx19.5G BSW Max Traction tires shall come supplied from ford with the chassis.

FORD SUPERDUTY WARRANTY

Description

| Months/Distance | |
|----------------------------|----|
| Basic..... | 36 |
| month/36,000 miles | |
| Powertrain..... | 60 |
| month/60,000 miles | |
| Corrosion Perforation..... | 60 |
| month/unlimited mileage | |
| Roadside Assistance | 60 |
| month/60,000 miles | |
| Diesel Engine | 60 |
| month/100,000 miles | |

CHASSIS PAINT COLOR

The cab shall be painted a single color by the chassis manufacturer.

Color: Ford Race Red

Paint Number: PQ

CHASSIS MODIFICATIONS

The following modifications and installations shall be performed on the chassis upon delivery to the apparatus manufacturer:

RUNNING BOARDS

One (1) set of Trail FX TFX model RBA008TI Aggressive Tread Running Boards shall be mounted to each side of the chassis. They shall be

One (1) 7-prong connector with a weatherproof cover shall be supplied and mounted near the rear receiver tube.

REAR MUD FLAPS

A pair of black rubber mud flaps, with NO Logo's, shall be provided and installed behind the rear wheels.

CONSOLE

A Vehicle Specific Havis type console shall be installed between the driver's and officer's seats.

The console shall have all necessary mounting plates for emergency lighting switch panels and/or electronic siren control boxes, radio plate, and all other relevant accessories within reach of the driver or officer.

The Havis console shall also have a binder slot installed on the officer side 3.30" wide section. The console shall include the following, in addition to the component and switch mounting plates: Dual Cupholder, 2 x Armrests, Dual 12v Power Points (1 x USB & 1 x Round Style).

BATTERY SYSTEM

The battery system shall be supplied with the chassis.

MASTER BODY DISCONNECT SWITCH

A master body disconnect on/off switch shall be provided in the cab, near the driver's door. The switch shall disconnect the power to the apparatus body when the ignition switch is in the off position.

One (1) reset breaker shall be installed between the 12v output and any electrical load.

One (1) indicator light shall be provided to indicate the apparatus 12-volt system is on. The light shall be located in the chassis cab and be visible from the driver's positions. The light shall be green in color and labeled "Master Battery".

KUSSMAUL BATTERY CHARGER

AUTO-EJECT MATING PLUG

A 5-20P, 20 amp mating female cord end shall be shipped loose with the apparatus.

ELECTRICAL INLET LOCATION

The electrical inlet shall be installed near the wheel well, on the left hand side of the body.

BACK-UP ALARM

One (1) 97 DB back up alarm shall be provided and installed at the rear of the unit. It shall be wired to activate when the transmission is placed in reverse.

REAR PUMP MOUNTING

The pump shall be mounted at the rear of the flat bed body.

ELECTRIC START WIRING TO CHASSIS

The 12 volt positive and negative cables shall be provided from the chassis battery to the fire pump area, wired through the master disconnect solenoid system.

PORTABLE PUMP, GASOLINE

A DARLEY model 1-1/2AGE 21H, high pressure, low volume pump shall be furnished and installed.

It shall be a single stage centrifugal pump, bolted directly to the engine, with a 2.00" NPT suction inlet, and a 2.50" NPT discharge outlet. The volute and pump head shall be made from high strength aluminum alloy.

The impeller shall be a bronze, accurately balanced and splined to the pump shaft for a precision fit. With a double seal ring design which eliminates end thrust.

The pump shaft shall be stainless steel, corrosion resistant, precision ground and splined for broached impeller hubs, to resist wear, vibration,

A guzzler hand primer shall be installed. The guzzler hand primer shall have a composite body with aluminum handle and reinforced buna-n diaphragm and flapper valves. It shall have a lift of 12 ft with the capability of approximately 16 ft when a foot valve is used on the pump suction hose. The hand primer shall be capable of handling a maximum pressure of 15 PSI.

The hand primer shall be mounted to the skid base in pump operation area on an angled bracket to for ease of use. Angled bracket shall be made of 1/8" aluminum.

PUMP CONTROL PANEL

The pump control panel shall be installed at the rear of the unit. It shall contain the following:

- Keyless RUN/STOP ignition switch
- Hour Meter / Tach
- Engine Choke Lever
- Discharge Pressure Gauge
- Engine Throttle
- Panel Light
- Reset Breaker

The control panel shall be fully accessible to an operator standing on the ground at the rear of the truck.

DISCHARGE PRESSURE GAUGE

One (1) 2.50" master discharge pressure gauge shall be provided at the pump operator's panel at the rear of the skid unit.. The gauge shall read from -30" Hg. to 300 psi, and have a black face with white markings.

WATER LEVEL GAUGE

One (1) Fire Research **Tank Vision Pro 300** water tank level gauge shall be installed on the apparatus. The gauge shall have an LED display, which flashes when the tank level reaches 25% of capacity. A built in calibration system shall allow a bottom tank mounted transducer to be mounted with any tank configuration.

and prevent damage from freezing. The master drain shall be mounted at the rear of the apparatus on the tail apron.

SUCTION PIPING

All piping on the suction side shall be made of stainless steel.

The suction piping shall consist of a 2.50" tank to pump line with a 2.50" flexible rubber hump hose to minimize flex and vibration between the pump and the tank.

Between the tank and the pump there shall be an Akron Brass 2.50" model 8825 valve. This valve shall remain open to pump from the tank.

This pipe shall have a tee into the suction side of the pump and shall continue to the rear of the truck for overboard suction where there shall be an additional Akron Brass 2.50" model 8825 valve.

To draft, the tank to pump valve shall be closed, a suction hose connected to the overboard suction connection and placed in a static water supply, and the primer activated.

INTAKE ADAPTER

The valve inlet shall be supplied with a 2.50" chrome swivel with FNST rocker lug threads. A screen shall be installed in the intake to prevent debris from entering the pump.

PLUG

One (1) 2.50" chrome plated plug shall be provided. The threads shall be NST and the plug shall be equipped rocker lugs and chain.

TANK REFILL

There shall be one (1) 1.50" tank fill/ re-circulating line provided between the pump and the water tank. It shall be plumbed with a 1.50" valve and flexible, reinforced wire-braid, hydraulic hose.

TANK REFILL VALVE

CAP

One (1) 1.50" Rocker Lug, Chrome Cap w/ chain shall be supplied with the discharge

HOSE REEL PLUMBING

A 1.00" discharge shall be installed and piped to the hose reel with flexible reinforced wire-braid, hydraulic hose.

BOOSTER REEL VALVE

An Akron Brass 1.00" model 8810 swingout valve shall be provided, and shall be controlled by an Akron Brass model TS manual actuator installed on the valve.

BEZEL COLOR: WHITE

BOOSTER REEL

One (1) HANNAY painted steel booster reel with electric rewind shall be supplied and mounted on the right hand side rear of the flat bed. The reel shall be capable of carrying 150.00' of 1.00" booster hose.

The reel shall have a 1.00" FNPT inlet connection with a 90 degree ball bearing swivel joint. The reel shall have a 1.00" MNST outlet.

The reel shall have an auxiliary gear-driven crank rewind that shall be easily accessible.

HOSE REEL PAINTING

The hose reel(s) shall be painted graphite.

REEL LOCATION

The booster hose reel mounted on the right hand side rear corner of the flatbed body.

SWITCH, REWIND BOOSTER REEL

FILL TOWER

The tank shall be equipped with a combination vent/overflow and manual fill tower. The fill tower shall be square and constructed of 0.50" Polyprene TM with dimensions of 10.00" x 10.00" with a hinged cover.

SUMP

There shall be one (1) sump as standard per tank. The sump shall be recessed into the tank floor and be a minimum of 0.625". The sump shall not be visible from or protrude thru the bottom of the tank more than 0.625".

MOUNTING BLOCKS

Tank to incorporate two (2) booster reel-mounting blocks with adjustable T-nuts for maximum use.

TANK OUTLETS

There shall be two (2) standard outlets located in the same vertical plane on the driver side rear wall of the tank. One (1) 2.50" female NPT tank to pump suction fitting, and one (1) 1.50" female NPT tank fill fitting with a flow deflector.

FOAM CELL

One (1) ten (10) US gallon foam cell shall be provided and installed in the main water tank. The foam cell shall be constructed using the same materials and methods as the main water tank. The cell shall be marked to hold class "A" foam only.

ALUMINUM FLAT BED

BODY LENGTH

The apparatus body shall be 114.00" long.

BODY WIDTH

The apparatus body shall be 96.00" wide from side to side.

Door latches shall be 6.00" D-Ring style with a keyed lock.

FENDER PANELS

A single piece fender panel made of 0.125" smooth aluminum shall be installed on each side of the apparatus body.

INTERIOR COMPARTMENT VENTILATION LOUVERS

The interior of the specified compartments shall be provided with louvered ventilation units.

SIDE COMPARTMENTATION

The following compartment(s) shall be supplied on the apparatus:

CROSS FRAME COMPARTMENT, FRONT BODY -- LH AND RH SIDES

One (1) cross frame storage compartment shall be installed on the forward portion of the flatbed body creating two (2) full height compartments, one (1) each side. The dimensions shall be approximately 30.00" wide x 46.00" high x 23.00" deep.

Each compartment shall be equipped with a vertically hinged door with a D-Ring latch installed.

This storage compartment shall have a transverse tunnel that extends from the left hand side to the right hand side bedrail. The transverse tunnel will have approximate dimensions of 16.00" wide X 26.00" tall X width of the body.

LEFT HAND SIDE UPPER BODY COMPARTMENT

A body equipment storage compartment shall be installed on the flatbed surface on the left hand side of the apparatus. The dimensions shall be approximately 50.00" wide, 26.00" high, and 23.00" deep. The compartment shall be equipped with a horizontally hinged lift-up door with a D-Ring latch installed.

LEFT HAND SIDE LOWER BODY COMPARTMENT

stainless steel hinge and two (2) gas shocks strong enough to hold the door open at 70 degrees. Two (2) butterfly latches shall be installed to hold down the door.

HEX PUNCHED TOP BASKET -RIGHT HAND SIDE

One (1) aluminum topside basket approx. 23.00" wide x 12.00" tall x 80.00" long shall be installed on top of the right-side compartment(s). The basket shall be made of smooth aluminum, with rolled over top edges. The faces of the basket shall be "hex punched" in place of traditional expanded metal. The basket shall be open to the top.

UNDERBODY HOSE BOX

A under body compartment shall be fabricated between the long sills and run the length of the bed. The compartment shall be approx. 25.00" wide x 4.625" tall x 101.50" long. The compartment shall be equipped with a hinged drop down door with dual latches installed.

The hose box shall have full length dividers to allow for two (2) 2 sections of suction hose as well as long tool storage.

FUEL PIPING AND FILL CAP

There shall be a fuel fill cap provided to be installed in exterior channel of the left side rear wheel well clearly marked, "**ULTRA LOW SULFUR DIESEL FUEL ONLY**". The fill shall be piped to the fuel tank.

DEF PIPING AND FILL CAP

There shall be a def fill cap and fill neck with enclosed housing. Mounted to the front of the body on the Driver's Side of the body. The fill shall be piped to the DEF reservoir.

REAR LIGHT APRON

A rear light apron shall be installed at the rear of the apparatus body. It shall be constructed of 0.125" thick smooth aluminum x 10.00" deep with 1.50" perimeter stiffening flanges.

12 VOLT ELECTRICAL SYSTEM

CHASSIS GROUND LIGHTS

Two (2) TecNiq model E10-WS00-1 LED ground lights with outward facing angle brackets shall be installed, one (1) under each chassis door.

FRONT OF BODY GROUND LIGHTS

Two (2) TecNiq model E10-WS00-1 LED ground lights with outward facing angle brackets shall be installed under the front of the body. One (1) light shall be located on the driver side and one (1) light shall be located on the officer side of the apparatus.

REAR OF BODY GROUND LIGHTS

Two (2) TecNiq model E10-WS00-1 LED ground lights with outward facing angle brackets shall be installed under the rear of the body. One (1) light shall be located on the driver side and one (1) light shall be located on the officer side of the apparatus.

REAR STEP GROUND LIGHTS

Two (2) TecNiq model E10-WS00-1 LED ground lights with outward facing angle brackets shall be installed under the rear step of the apparatus, one (1) each side.

GROUND LIGHT SWITCHING

The ground lights shall be switched to come on automatically when doors are opened, as well as switched in the cab to turn all ground illumination lights on regardless of whether a cab door is opened.

HAZARD LIGHT

One (1) flashing red LED light, located in the driving compartment, the light shall be illuminated automatically whenever any compartment door is ajar.

The hazard light shall be marked with a sign that reads "Do Not Move Apparatus When Light is On".

BACK-UP CAMERA INSTALLATION

The chassis supplied back-up camera shall be installed at the rear of the body.

NFPA AUDIBLE AND LIGHTING WARNING PACKAGE

The following warning light package shall include all of the minimum warning light and actuation requirements for the current revision of the NFPA 1900. The lighting as specified shall meet the requirements for both "Clearing Right of Way" and "Blocking Right of Way" which includes disabling all white warning lights when the apparatus is in "Blocking Right of Way" mode.

WARNING LIGHT FLASH PATTERN

All of the perimeter warning lights shall be set to the default NFPA flash pattern as provided by the warning light manufacturer.

WARNING PACKAGE ACTUATION CONTROLS

All warning light switches shall be wired and integrated to the Whelen Cencom Core system.

LIGHTBAR

One (1) WHELEN model JE2NFPA 56.00" LED lightbar shall be supplied and mounted. The lightbar shall have clear lenses and contain the following modules:

Four (4) RED LIN6 LED modules, two (2) on each corner.

Four (4) RED CON3 LED modules, across the front.

Two (2) WHITE CON3 LED modules, on the front.

The forward facing white lights shall be automatically disabled for the "Blocking Right of Way" mode.

LIGHT BAR MOUNTING

The light bar shall be mounted on the roof of the chassis.

CONTROL HEAD

The control head shall be a Whelen model #CCTL7 and include (21) push button switches, 4-position slide switch, and a noise canceling microphone.

ELECTRONIC SIREN SPEAKER

One (1) Whelen model SA315P 100 watt speaker shall be provided. The speaker shall produce a minimum sound output of 120 dB at 10 feet to meet current NFPA 1900.

The speaker shall be mounted behind the chassis grille on the right hand side.

SIREN NOISE WARNING LABEL - FAMA# 42

A permanent label shall be provided inside the driver's door warning of potential injury that could be received from the noise of the siren. The label shall also state safety precautions that should be taken when the siren is in use.

PAINT, STRIPING, AND LETTERING SECTION

CHASSIS PAINT COLOR

The cab shall be painted a single color by the chassis manufacturer.

Color: Ford Race Red

Paint Number: PQ

WHEEL PAINTING

The exterior faces of the front wheels and outer rear wheels only, shall be finish painted by the apparatus manufacturer.

COLOR: **Black**

BODY FINISH

APPARATUS BODY WARRANTY, LIFETIME

The apparatus body as detailed herein shall have a LIFETIME WARRANTY provided by the body builder. (NO EXCEPTIONS).

APPARATUS ELECTRICAL WARRANTY, TWO YEAR

The apparatus electrical system as detailed herein shall have an electrical warranty against defects in materials and workmanship for a period of two (2) years, effective upon final payment in full by the Purchaser, and pick up or delivery of the completed apparatus to the Purchaser. Any unauthorized alterations or modifications to the electrical system shall void this warranty.

AKRON BRASS WARRANTY

The Akron Brass valves shall be warranted by Akron Brass for a period of ten (10) years from the date of delivery. The warranty for electronics shall be warranted by Akron Brass for a period of five (5) years from date of delivery.