

PURCHASE ORDER

VENDOR

TEXAS A&M FOREST SERVICE
PURCHASING DEPARTMENT

Order Date
12/18/2024

Page 01

200 Technology Way, Suite 1120, College Station, TX 77845-3424; Phone 979-458-7380, FAX 979-458-7386

Purchase Order No.	(Include this number on all correspondence and packages)
P500220	

VENDOR GUARANTEES
MERCHANDISE DELIVERED ON
THIS ORDER WILL MEET OR
EXCEED SPECIFICATIONS IN
THE BID INVITATION.

INVOICE TO:

TEXAS A&M FOREST SERVICE
FRP--CAPACITY BUILDING
200 TECHNOLOGY WAY, SUITE 1162
COLLEGE STATION TX 77845-3424

VENDOR
18543462420 CAVENDER FORD MOTOR COMPANY LTD DBA CAVENDER GRANDE FORD 4358 LOCKHILL SELMA RD STE 200 SAN ANTONIO, TX 78249-4167

ALL TERMS AND
CONDITIONS SET
FORTH IN OUR BID
INVITATION BECOME
A PART OF THIS
ORDER.

SHIP TO:

TEXAS A&M FOREST SERVICE
FRP--CAPACITY BUILDING
200 TECHNOLOGY WAY, SUITE 1162
COLLEGE STATION TX 77845-3424

ANY EXCEPTIONS TO PRICING OR DESCRIPTION CONTAINED HEREIN MUST BE APPROVED
BY THE TEXAS A&M FOREST SERVICE PURCHASING DEPARTMENT PRIOR TO SHIPPING.

PLEASE NOTE: IF YOUR INVOICE IS NOT ADDRESSED AS INSTRUCTED
PAYMENT WILL BE DELAYED.

Item	Description	Quantity	UOM	Unit Price	Ext Price
1	USER REF: 000000-SLB C-3460 SKEETER TYPE 6 RESCUE-SIDE, NWCG TYPE 5, WILDLAND ENGINE, FORD F550, 4X4. DIESEL 4 DOOR RESCUE SIDE, ALUM, 114 & LOOSE EQUIPMENT PER SPECIFICATION 2042 Delivery within 28 months of order date ** BELOW IS FOR TAMFS REFERENCE ** For Central Branch - Bryan FD- FCID # 424	1	EA	281,476.020	281,476.02
2	BUYBOARD FEE ** FOR TAMFS REFERENCE ONLY ** CENTRAL BRANCH - BRYAN FD - FCID # 424	1	EA	1,500.000	1,500.00
				TOTAL	282,976.02
	***** NET 30 ***** NOTE TO VENDOR: "SHIP TO" AND "INVOICE TO" ADDRESSES MAY DIFFER. FAILURE TO SUBMIT INVOICE TO PROPER ADDRESS MAY RESULT IN DELAYED PAYMENT. GROUP PURCHASE - AS PER TAMUS REGULATION 25.99.02 SECTION 3 AND TAMUS PROCUREMENT CODE SECTION 15. BY ACCEPTANCE OF THIS PURCHASE ORDER VENDOR AGREES TO ALL TERMS AND CONDITIONS (AS APPLICABLE) LISTED ON ATTACHED "TEXAS A&M FOREST SERVICE PURCHASE ORDER--ATTACHMENT A". PRICING IS COMPLIANT WITH BUYBOARD CONTRACT# 746-24. SPECIFICATION # 2042. ALSO ATTACHED				

RTL

Texas A&M Forest Service cannot accept collect freight shipments.

FOB: NOT SPECIFIED

Terms:

FAILURE TO DELIVER - If the vendor fails to deliver these supplies by the promised delivery date or a reasonable time thereafter, without giving acceptable reasons for delay, or if supplies are rejected for failure to meet specifications, the State reserves the right to purchase specified supplies elsewhere, and charge the increase in price and cost of handling, if any, to the vendor. No substitutions nor cancellations permitted without prior approval of Purchasing Department.

IN ACCORDANCE WITH YOUR BID, SUPPLIES/EQUIPMENT MUST BE PLACED IN THE
DEPARTMENT RECEIVING ROOM BY

The State of Texas is exempt from all Federal Excise Taxes.

STATE AND CITY SALES TAX EXEMPTION CERTIFICATE: The undersigned claims an exemption from taxes under Texas Tax Code, Section 151.309 (4), for purchase of tangible personal property described in this numbered order, purchased from contractor and/or shipper listed above, as this property is being secured for the exclusive use of the State of Texas.

The Terms and Conditions of the State of Texas shall prevail.

THIS ORDER IS NOT VALID UNLESS SIGNED BY THE PURCHASING AGENT

PURCHASING AGENT FOR

TEXAS A&M FOREST SERVICE

PURCHASE ORDER

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Item	Description	Quantity	UOM	Unit Price	Ext Price
	IS SMEG QUOTE #700-0017041 FOR LOOSE EQUIPMENT TO BE SUPPLIED WITH VEHICLE. AGENCY TERMS AND CONDITIONS SHALL APPLY, AND ARE INCLUDED WITH DOCUMENTATION. VENDOR QUOTE: 2042 VENDOR REF: JEFF DORAN 800-784-6806				

RTL

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PURCHASING AGENT FOR
TEXAS A&M FOREST SERVICE

Delivery Date:	28 months ARO	G. Total Purchase Price (D+E+F):	\$282,976.02
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Option			Published	Unpublished
Number	Qty	Description	Options	Options
3499	1	Skid Plate - Transfer Case - 1/4in Aluminum	\$568.58	
3520	1	Console - Poly Custom Enclosure	\$2,775.00	
3511	1	Winch Power Plugs, 12V, Quick Disconnect	\$2,258.01	
3513	1	Front Winch - 10000lbs - WARN - Portable	\$2,670.77	
4056	1	Fog Lights - FRC - SoBrite 6in LED	\$754.00	
3542	1	Camera System - RVS - 2 Cams	\$2,655.34	
3496	1	Front Bumper - Skeeter Aluminum	\$1,172.77	
4438	1	D/S Hose Tray - Solid - 72"	\$2,543.36	
4448	1	P/S Hose Tray - Solid - 72"	\$2,543.36	
3977	1	D/S & P/S Rear Underbody Compartments	\$3,776.00	
3947	1	Pump Darley 2 BE 18V Engine Mounted	\$10,755.79	
3714	1	Ground Sweep Discharges, Front Bumper	\$2,438.52	
4123	1	Siren, Electronic, Whelen, Carbide	\$2,515.05	
911362	1	Equipment per quoted list	\$26,246.00	
		Base Bid	\$233,000.00	
		Published Options	\$63,672.56	
		Total Published Options	\$296,672.56	
		Unpublished Options	\$0.00	0.00%
		Total Options w/o Fee	\$296,672.56	



Specification for:
NWCG T6
C-3460 (Ford F550 - 4x4 - Diesel - 4 Door - 60" CA)

Submitted To:
Jared Karns
TIFMAS
200 Technology Way College Station, TX 77845

Specification **2042**
09/04/2024

Prepared by:
Bill Davidson
Skeeter Emergency Vehicles



C-3460 FORD F550 - 4X4 - DIESEL - 4 DOOR - 60" CA

One (1) FORD F-550, two axle drive 4x4, dual rear wheels (DRW), four (4) door, XL, Crew Cab chassis.

Measurements / Capacities:

Cab to Axle: 60 inch

Fuel tank size: 40 US Gallon

Wheelbase: 179 inches

D.E.F Tank Size: 7.4 US Gallon

Weight Ratings:

GVWR: 19,500 LBS

Front GAWR: 7,500 LBS

Rear GAWR: 14,706 LBS

Engine:

Powerstroke 6.7L Diesel V8 OHV

Intercooled Turbo

330 HP at 2,600 RPM

825 ft.-lbs. of torque at 2,000 RPM

Transmission:

TorquShift 10 speed automatic transmission with overdrive.

PTO Provision

Axles:

Front Axle: 7,500 LBS HD front package, stabilizer bar, front shocks, auto locking front hubs with a manual backup feature.

Rear Axle: 14,706 LBS HD rear package, stabilizer bar, rear shocks.

Differential gearing: 4.10 gears, limited slip

Electric Shift on the Fly transfer case.

Wheels:

Factory tires: 225/70/R19.5, radial all-weather tread.

Front wheels: two (2) 19.50" x 6" steel disc, ten (10) hole pattern steel wheels

Rear wheels: four (4) 19.50" x 6" steel disc, ten (10) hole pattern dual rear wheels.

Electrical System:

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
Operator controlled Manual Regeneration System
Trailer Brake Controller
Trailer harness
High Idle Control: Capability

Cab Controls:

Controls for heat, defroster, and air conditioning
Powered Door Locks
Powered Windows
Powered Mirrors
Manual tilt steering wheel: (Unless superseded below in options)

Safety / Security:

Air bags: Safety canopy system, first row and second 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
Factory Tow hooks

Seats:

Seating capacity: Six (6)
Front 40-20-40 HD folding split bench seat
Rear 60-40 HD folding vinyl 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
Chrome Grill with Black Insert

C-3478.2 CAB PAINT - SOLID - STOCK COLOR

Cab Color: OEM Original Color

The color shall be Ford WHITE

C-4136 60" CAB TO AXLE

The chassis Cab to Axle measurement shall be 60".

C-3479 NO LIFT OR LARGER TIRES

No Lift or Larger Tires/Wheels shall be installed on the apparatus.

C-3867.2 SPARE - OEM TIRE/WHEEL

One (1) OEM steel wheel and spare tire shall be supplied with the chassis

C-3489 SPARE MOUNT - TOP OF TANK

The spare tire and wheel shall be mounted on top of the water tank.

C-3497 SKID PLATE - FRONT BUMPER - 1/4IN ALUMINUM

A 1/4" (0.25") aluminum skid plate will be installed from the bumper area extending below the bumper and chassis radiator area.

C-3499 SKID PLATE - TRANSFER CASE - 1/4IN ALUMINUM

A removable heavy duty .250" aluminum skid plate assembly shall be installed to protect the oil pan and transfer case.

C-4552 CAB STEPS - FORD CREW CAB

The cab shall be equipped with steel step assemblies, on each side of the cab. There shall four (4) stirrup steps mounted two (2) each side on the cab steps. They shall be installed in the best location to allow easy access to the cab.

C-3520 CONSOLE - POLY CUSTOM ENCLOSURE

A custom fabricated poly (plastic) 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 extend fully to the dash.

C-4551 POWER OUTLETS, 12V, DUAL 4.8A USB, CAB

There shall be 1 Dual USB-A/USB-C power outlets rated at 4.8amps shall be provided in cab.

LOCATIONS: Determined at preconstruction.

C-3511 WINCH POWER PLUGS, 12V, QUICK DISCONNECT

two (2) Anderson type 12 volt quick disconnect electrical receptacles with covers shall be installed for the portable winch. Power cables shall be color coded "red" positive and "black" neutral; rated at 125% of winch power requirement including line drop; protected with conduit for mechanical abrasion and equipped with circuit breaker protection at the battery area.

A 500 amp 12 volt industrial series solenoid shall be installed to supply power to the Anderson plugs. The solenoid shall be activated by the upfitter switch.

Location shall be: one (1) front of the apparatus and one (1) rear of the apparatus

C-4620 GALVANIZED WINCH CABLE

The Warn Winch shall come with a galvanized cable and will be installed on the winch drum. The cable shall meet or exceed the pull rating of the winch.

The winch shall have the fairlead installed for the galvanized cable.

C-3513 FRONT WINCH - 10000LBS - WARN - PORTABLE

A Warn Winch Company Model ZEON 10,000# capacity 12-volt electric portable winch shall be provided incorporating a portable mounting system with two carrying handles. The unit shall include the following:

- a) extreme duty seals for weather resistance
- b) thermo-metric indicator for motor monitoring
- c) A cable guide and 80 feet of 5/16" diameter galvanized cable and fairlead & safety hook assembly shall be supplied.
- d) Winch speed shall be constant with forward and reverse modes controlled with a push button device at the end of a twelve foot control

cable which connects to the winch through a weatherproof receptacle.
e) Carrying handles

The winch shall be attached to the body at the specified locations with a steel tube insert secured with steel pins. Power shall be supplied through a 12 volt pigtail with an Anderson type plug.

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-3481 TIRES/WHEELS - OEM TIRES AND WHEELS

Chassis will use stock tires and wheels provided by chassis manufacturer.

C-3530 TRAILER PLUG - 12V - 7 PIN

Wiring shall be provided at the rear of the apparatus for the towing of an auxiliary trailer. A 12 volt seven (7) pin electrical connector shall be wired to the chassis stop, running, and turn lights.

C-4056 FOG LIGHTS - FRC - SOBRITE 6IN LED

There shall be two (2) FRC SoBrite 6" LED lights installed on front bumper/grille guard.

C-3539 GPS UNIT

A Garmin NUVI 1300 dash mounted GPS unit shall be installed. It shall display the actual vehicle speed in the lower right hand corner. Traveling speeds in excess of the posted speed limit shall be displayed in RED. If a full screen speedometer is desired, the second accessible screen will display a full size speedometer.

C-3542.2 CAMERA SYSTEM - RVS - 2 CAMS

One (1) Rear View Systems camera system shall be furnished utilizing two (2) cameras 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.

LOCATIONS:

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

One (1) camera shall be installed on the passenger's side of the body, on top of the compartment. It shall match previous TFS T6 apparatus.

C-3533 RADIO INSTALL - 1 RADIO (CUSTOMER PROVIDED)

One (1) fire radio, one (1) faceplate (if applicable) and one (1) speaker shall be supplied by the purchaser to be installed.

THIS OPTION DOES NOT INCLUDE INSTALLATION OF ANTENNAS, CABLES, OR MDT/MCT.

ALL EQUIPMENT NECESSARY TO INSTALL/OPERATE A CUSTOMER SUPPLIED RADIO MUST BE PRESENT AT SKEETER BRUSH TRUCKS WITHIN 30 DAYS OF COMPLETED PRE-CONSTRUCT. IF ALL COMPONENTS ARE NOT PRESENT THE RADIO WILL NOT BE INSTALLED

C-3496 FRONT BUMPER - SKEETER ALUMINUM

The factory bumper shall be removed and replaced with a custom fabricated, heavy duty aluminum bumper and grille guard protection assembly. It shall include fog lights mounted on the bumper.

The bumper shall have a 2" receiver mount included.

C-4086 FRONT BUMPER - PAINTED FINISH

The bumper shall have a painted finish. The paint color/code shall be:
TBD

Aftermarket Paint Warranty covers defects in the applied paint for up to three years or 36,000 miles, whichever comes first.

C-4003 INSTALL RADIO ANTENNAS (ANTENNAS ONLY)

One 1 radio antenna with cable shall be supplied by the purchaser and installed on the apparatus at a location to be determined by the purchaser.

THIS OPTION DOES NOT INCLUDE INSTALLATION OF RADIOS, OR MDT/MCT.

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C-4438.2 D/S HOSE TRAY - SOLID - 84"

A hose storage tray shall be installed over the driver side equipment compartment, on the driver side of the apparatus. The exterior dimensions shall be approximately: 16" wide, 10" high, and 84" long. The hose tray shall be constructed entirely of .125" aluminum on all exterior surfaces. The assembly shall be equipped with a hinged, lift-up aluminum door on top, enclosed front panel, and open rear area. There shall be a gas shock installed on the lid of the tray to aid in opening and closing the tray in a safe manner. The hose tray shall be equipped with ventilated vinyl floor liner.

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

C-4448.2 P/S HOSE TRAY - SOLID - 84"

A hose 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 84" long. The hose tray shall be constructed entirely of .125" aluminum on all exterior surfaces. The assembly shall be equipped with a hinged, lift-up aluminum door on top, enclosed front panel, and open rear area. There shall be a gas shock installed on the lid of the tray to aid in opening and closing the tray in a safe manner. The hose tray shall be equipped with ventilated vinyl floor liner.

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

C-4152 TANK ACCESS LADDER

There shall be a tank access ladder installed at the rear of the water tank. It shall allow access from the body deck to the top of the water tank. It shall be made of 1" tubular aluminum.

C-3575 TRANSVERSE COMPARTMENT (RESCUE) 18"W

A transverse compartment 96" long x 18" wide x 30" high (exterior dimensions) will be installed in front of the water tank, on the body floor, between the vertical compartments. The compartment floor shall be lined with ventilated vinyl floor liner.

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

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 .125" 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

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 .125" 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-3946.2 R100 - RESCUE SIDE, ALUM, 114" X 96", 60CA

The body will be a custom fabricated severe service rescue-side type, constructed of all aluminum. The body shall be 114" long by 96" wide, designed for a 60" cab to axle 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 the frame. There shall be brackets installed at the middle of the body frame to prevent side to side movement. The body shall be spring mounted at the front of the body frame. The flexible mounting system shall allow for body/chassis flexing during extreme off road conditions.

SQUARE CORNERS

The front corners of the body shall be square.

HEADACHE RACK

The front of the body shall have a 2" formed aluminum tube headache rack. The rack shall extend the full width of the body and be attached to the front body corners. The assembly shall extend above the chassis cab and have mounting platform for installation of the light bar and other lights. Wiring for the lights will be placed inside the tubing for protection. The headache rack shall have four (4) vertical 2" tubes for extra strength.

SIDE BODY ACCESS STEP

There shall be a body access step assisting in access to top of the tool/hose trays from the side of the apparatus. It shall be a stirrup design, and be fabricated from 1" aluminum tubing. They shall be installed under the front of the body, one (1) each side.

FENDER PANELS

The lower portion of the flat-bed body shall have fender panels over and aft of the rear wheel panel area. The panels shall be constructed of aluminum. The wheel well openings will be cut out to conform to the wheels.

REAR BODY PANEL

A vertical body panel shall be installed at the rear of the body constructed of .125" smooth aluminum. The panel shall house the running lights, taillights, back-up lights, and emergency lights. The body panel shall be angled to allow for a 27 degree angle of departure.

PROTECTIVE RAILS

The upper body area shall be protected with radius corner 1" diameter aluminum tube railing assembly installed around the top of the body. The corners of the body shall have vertical risers space in critical areas. The railings shall act as protection for the upper body structures when off road in heavy brush conditions. The rear upper body corner rails shall house the upper emergency lights and work lights.

SIDE BODY COMPARTMENTS, FRONT BODY -- DRIVER AND PASSENGER'S SIDES

Two (2) body equipment storage compartments shall be installed at the front of the body just behind the headache rack, one each side of the apparatus. The dimensions shall be approximately: 30" wide, 52" high, and 24" deep. The compartments shall be constructed of .125" aluminum on all exterior surfaces. Each compartment shall be equipped with a vertically hinged door with a single latch installed. The doors shall be equipped with gas operated door opening assistant cylinders.

Each vertical compartment shall have one (1) fixed shelf.

The compartments shall be equipped with:

- key type door locks.
- 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 openings shall be approximately 3" smaller in dimension.

C-4132 DIAMOND PLATE

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

C-3555 FRONT OF BODY, 22 DEG CORNERS

The front corners of the body will be angled at approximately 22 degrees.

C-3560 HEADACHE RACK MESH INSERT

Headache rack shall have Slotted aluminum insert covering all open areas.

C-3977.3 D/S & P/S REAR UNDERBODY COMPARTMENTS

Two (2) under flat bed equipment storage compartments shall be installed under the flatbed surface, on the passenger's and driver's side of the apparatus, behind the rear axle. The exterior dimensions shall be approximately: 20" wide, 15" high, and 21" deep. The compartments shall be constructed of .125" aluminum on all exterior surfaces. The compartments shall be equipped with a vertically hinged door with latch installed. The compartment shall have ventilated vinyl floor liner installed.

The compartments shall have a LED light installed.

C-4209.2 ADJUSTABLE SHELF

There shall be 1 adjustable shelf located in the *** Enter Location Below*** compartment constructed of .190 smooth aluminum. There shall be adjustable tracking mounted to the wall of the compartment to allow height adjustment of the shelf. The shelf shall be no larger than 4 feet wide by 2 feet deep. The tracking shall be as long as possible to allow for max adjustment range of shelf.

LOCATION:

C-3879.2 TRANSVERSE TOOL STORAGE FRONT OF TANK

A tool storage Tray shall be installed in front of the water tank. The dimensions shall be approximately: 56" long, 18" wide, 16" high. The compartment shall be constructed of .125" aluminum slotted plate on all exterior surfaces. There shall be ventilated vinyl floor liner installed in the bottom of the tray.

C-4691 SLIDE OUT TRAY

The rear center compartment shall be equipped with an .190" aluminum slide out tray on UHMW plastic slide pads and poly rollers. The tray shall be 29" wide and full length of the compartment interior. There shall be a retention latch installed on the tray.

C-3593 REAR CENTER UNDER BODY COMPT 108"

An under body equipment storage compartment shall be installed under the flatbed surface located in the center rear of the apparatus. The compartment shall be between the vertical body beams, upper floor surface, and an aluminum lower floor area. The compartment shall be equipped with a hinged drop down door with dual latches installed. The floor shall be constructed of .190" aluminum.

The exterior dimensions shall be approximately: 108" Deep

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-3942 RECESSED/POCKET STEP REAR OF BODY

There shall be two (2) body access pocket steps located at the rear of the body, one (1) each side. They shall be installed behind the rear wheel opening.

C-3797 NFPA COMPLIANCE

The fire apparatus shall be built to the purchaser's requirements stated in this specification in compliance with all state and federal highway

safety requirements. The vehicle is designed to meet NFPA 1906.

Unless included in the specification, the customer will provide all the necessary equipment to comply with NFPA 1906 Section 10.2.

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-3947 PUMP DARLEY 2 BE 18V ENGINE MOUNTED

A Darley model number 2 BE 18 Vanguard gasoline powered centrifugal pump shall be Installed. The medium pressure, high volume pump, direct drive, engine mounted shall meet the following performance requirements:

375 GPM @ 25 PSI
300 GPM @ 45 PSI
100 GPM @ 140 PSI

Pump Design

Pump casing shall be of anodized aluminum and vertically split, with a 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 bodies are bronze with stainless steel components. The outlet of the primer is equipped with a 1.5" male NPT . Is easily operated via push-pull control wire connected to an internal butterfly valve. The venturi components are sized for the most efficient priming time and height possible utilizing the exhaust pressure available from the engine. Significantly lighter than a 12V electric primer. Requires much less physical effort by the operator than a mechanical hand primer.

Dimensions & Weight

27"L x 21"W x 25"H, 145lbs (66kg)

Suction: 3" NPTF

Discharge: (2) 1.5" NPTF and (1) 2.5" NPTF

Documentation

Pump Warranty/Guarantee to be included with each proposal. Pump warranty shall be for three (3) years or 3,000 hrs. Additional details about the warranty can be found in the Skeeter user's manual of this vehicle.

Engine

The pump shall be powered by an 18 horsepower, Briggs and Stratton Vanguard gasoline engine with a 16 amp regulated alternator and 12 volt electric starter with a backup recoil starter. A 6 gallon plastic fuel tank shall be supplied.

The auxiliary fire pump and engine assembly shall have a muffler and vertical exhaust pipe. The exhaust pipe shall be directed upward and away from the pump operator. A rain cap will be installed on the vertical exhaust outlet.

The fire pump engine shall have an oil drain line installed. It shall allow for easy oil draining.

The auxiliary fire pump shall be installed at the rear of the body. The sub-structure shall have welded in mounting sub-plates between the structural members.

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 local "on-valve" handle control, with custom embossed labeling for each valve.

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-3897 NH HOSE THREADS

The hose threads shall be National Hose Standard (NH) on all base threads on the apparatus intakes and discharges, unless otherwise specified.

C-4256 FLUSH PLUMBING

The plumbing at the rear of the bed shall not protrude beyond the perimeter of the deck surface.

C-3741 PRIMER, ELECTRIC, AUX PUMP, ADDITIONAL

There shall be an electric oil less primer assembly installed for the auxiliary fire pump. The electric primer assembly shall be capable of taking suction and discharging water with a lift of 10 feet in not more than 30 seconds with the pump dry, through 20 feet of suction hose of appropriate size. A vacuum test with a capped suction of at least 20' long shall develop 22" of vacuum and hold a vacuum with a drop not in excess of 10" in 5 minutes. Priming pump shall be activated by a mechanical/electric valve with a single pull control located at the pump operator's panel area.

C-4162 PUMP CONTROL PANEL - RECESSED REAR BUMPER MOUNT

A recessed pump panel enclosure shall be installed. The enclosure shall be fabricated of .125" aluminum with a DA finish, bolted in place with a pump instrument panel installed.

An engine and pump control panel shall be provided at the rear of the vehicle. The following shall be located at the operator's position:

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

The pump control panel shall be recessed into the passenger's side rear corner of the rear vertical body wall. It shall be angled slightly for ease of access.

C-3834 IN CAB PUMP CONTROLS - GAS PUMP

The cab shall be equipped with secondary electrically controlled pump instrument control in the cab. There shall be a pressure gauge, start/stop switch, Oil pressure light, and electronic throttle control.

C-3703 PUMP FUEL FROM FUEL CAN (STAINLESS) GAS ONLY

A stainless steel custom built remote fuel tank shall be installed for the auxiliary fire pump assembly at the rear of the apparatus. The fuel tank shall be bolted both the bed and aft bulkhead of the upper body

compartment. The fuel tank shall have capacity of approximately six (6) gallons. There shall be a fuel hose with plug in connections furnished between the fuel tank and carburetor assembly for the auxiliary pump.

C-3686 PUMP COOLER, BYPASS-TO-TANK, 3/8"

The fire pump shall be equipped with 3/8" cooling line from the pump to the water tank. This re-circulation line shall be controlled by a pump panel control valve with nameplate label noting it as the "fire pump bypass cooler".

C-3717 3" PUMP INTAKE PLUMBING

The pump intake plumbing shall consist of the tank to pump line and the suction line.

The tank to pump line shall be installed with a flexible hump hose connection and stainless steel clamps to the water tank. A 3" 1/4 turn ball valve shall be controlled with a manually operated handle directly on the valve.

The suction line shall be installed on the rear area to supply the fire pump from an external water supply. A 3" 1/4 turn ball valve shall be controlled with a manually operated handle directly on the valve. There shall be a 2.5" NH female thread connection with removable screen. There shall be a 2.5" plug attached with a cable.

C-3715 TANK FILL AND COOLING LINE 1" WATER TANK

One (1) 1" fire pump to water tank refill and bypass cooler line shall be provided. The pump to tank valve shall be a 1" full flow quarter turn ball valve with local control handle. A 1" flex hose shall be installed to the water tank.

C-3708 DISCHARGE, 2.5", REAR, 2.5"FM X 1.5"M, 1

One (1) 2-1/2" discharge shall be installed at the rear pump area, controlled by a quarter turn ball valve. The discharge shall have 2-1/2" NH male hose threads. The discharge shall be equipped with 2-1/2" female x 1-1/2" chrome plated brass reducer, 1-1/2" chrome cap and cable.

C-3710 DISCHARGE, 1.5", REAR, W/1.5" CAP

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

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-3725 200 FOOT REEL CAPACITY

Each hose reel shall have a capacity of 200 feet of hose.

C-3731 HOSE, WATER, 300#, 1" X 150'

One (1) 150' foot length of 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-3737 ROLLER, HOSE REEL, TOP

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

C-3714 GROUND SWEEP DISCHARGES, FRONT BUMPER

Two (2) ground sweep discharge nozzles shall be installed, one each side of the front bumper. Each nozzle shall have a 1" electric control valve, switched independently in the cab. The discharges shall be equipped with removable ground sweep nozzles angled accordingly with a 180 degree total front sweep pattern. The flow rate shall be 15-30 gpm.

Each nozzle shall have a custom fabricated brush guard installed to protect from damage when off road. The valves and manifold shall be protected from damage by the front bumper and skid plate.

One (1) 1.5" front bumper ground sweep discharge shall be piped to the front bumper area. The discharge shall be controlled by a 1.5" manual override valve at the rear pump area. Flexible 1.5" diameter high pressure hose shall be provided from the pump to the sweep nozzles with low point drains where necessary.

There shall be an 1.5" stainless steel valve, with a flexible supply hose installed to feed the front discharge manifold.

C-3817 WHIP HOSE LINES (2) FRONT BODY 1" X 12'

A 1.5" discharge shall be piped from the rear pump area to the front on the body. A 1.5" master control valve shall be installed at the rear pump manifold area with direct control handle. Two (2) 1" valves with swivels shall be installed at the front of the water tank.

Two (2) 1" x 12 feet long 300# working pressure hose whips with threaded couplings shall be installed at front of body, one each side, with securement devices.

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.

There shall be 3/4" "Y" strainer installed on the tank to the foam system.

MAXIMUM WORKING PRESSURE: 300 PSI

C-3660 WATER TANK GAUGE - REAR+CAB

One (1) Class 1 "Intelli-Tank" water tank level gauge shall be installed on pump panel. The tank level gauge shall indicate the liquid level on an easy to read LED display and show increments of 1/8 tank. A pressure transducer shall be mounted on the outside of the tank in an easily accessible area.

Cab Mounted -

One (1) Class 1 "Intelli-Tank" mini water tank level gauge shall be installed in the cab or center console. The tank level gauge shall indicate the liquid level on an easy to read LED display and show increments of 1/4 tank.

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 tank prior to delivery of the apparatus. This capacity shall be recorded on the manufacturer's data plate.

The water tank shall be rectangular in shape and engineered for a low center of gravity.

The water tank construction shall conform to applicable NFPA standards.

A 1.5" drain plug shall be installed in the bottom of the water tank

under P/S wheel well for water tank draining and flush-out of debris.

The fill tower shall incorporate a vent and overflow system shall be designed into the water tank. The system shall include a 3" diameter pipe that functions both as an air vent while emptying the tank and as an overflow when filling the tank. The overflow shall discharge excess water below the frame rails of the vehicle.

The tank fill tower shall be located in the driver's side rear corner of the water tank.

The water tank shall be equipped with translucent water level sight gauge in the rear wall of the tank.

C-3657 PERIMETER WALL AROUND TANK

An 8" vertical poly wall shall be installed around the perimeter of the water tank to allow for storage on top of the water tank.

This shall only work up to a 500 gallon tank.

C-3661 FOAM TANK CAPACITY, 10 GALLONS, CLASS A,

The Class A foam tank shall have a capacity of 10 gallons.

The foam concentrate tank shall be provided with a fill pipe having a volume of not less than 2 percent of the total tank volume. The filler opening shall be capped with a sealed air-tight threaded cover. The fill opening shall be designed to incorporate a removable screen and shall be located so that foam concentrate from a five (5) gallon container can be dumped into the tank.

The foam tank filler shall be equipped with a pressure/vacuum vent that enables the tank to compensate for changes in pressure or vacuum when filling or withdrawing foam concentrate from the tank. The pressure/vacuum vent shall not allow atmospheric air to enter the foam tank except during operation or to compensate for thermal fluctuations. The vent shall be protected to prevent foam concentrate from escaping or directly contacting the vent at any time. The vent shall be of sufficient size to prevent tank damage during filling or foam withdrawal.

A color coded label or visible permanent marking that reads "CLASS A -- FOAM TANK FILL" shall be placed at or near the foam concentrate tank fill opening. An additional label shall be placed at or near any

foam concentrate tank fill opening stating the type of foam concentrate the system is designed to use.

Any restrictions on the types of foam concentrate that can be used with the system shall also be stated, along with a warning message that states "WARNING: DO NOT MIX BRANDS AND TYPES OF FOAM."

A 3/4" fitting shall be provided on the foam tank for connection of the foam tank to the suction side of the foam system.

A 3/4" diameter connection, piping, and valve shall be installed for the foam tank for draining purposes.

C-3890 AUX FIRE PUMP MTNG, REAR CENTER, BOLTED

The auxiliary fire pump shall be installed at the center rear of the body. The sub-structure shall have welded in mounting sub-plates between the structural members.

C-3933.2 LOW WATER PRESSURE CUT-OFF

There shall be a low water pressure cut-off switch that will shut off the pump engine when pump pressure is lost. There shall be a manual override switch to bypass the cut-off.

C-3712 DISCHARGE, 3/4"GH, REAR, GARDEN HOSE OUT

One (1) 3/4" garden hose discharge shall be installed on the rear pump area, controlled by a quarter turn ball valve with local control handle. The discharge shall have a 3/4" male garden hose threads and cap.

C-3743 LIGHTBAR, WHELEN, LEGACY

A Whelen Legacy low profile Super-LED NFPA lightbar shall be installed. The 54" lightbar shall be designed to meet the minimum clearing requirements for Zone A Upper. The internal components of the lightbar shall be housed within a two piece extruded aluminum base/top. The outer shell shall be clear optic polycarbonate lenses designed to maximize light output and shield against environmental elements.

The lightbar shall utilize snap-in brackets to hold in the lightheads. The brackets shall give the end user the ability to make quick repairs. The lightbar shall have all solid state components. The lightbar shall have two wire harnesses exiting the unit: one (1) 17 conductor 22 gauge

control cable which controls all internal light functions; and one (1) 2 conductor 10 gauge cable for main power and ground. Each cable shall be 15' long.

The lightbar shall have four (4) red Linear Super-LED corner modules to provide off angle protection for the front and rear of the vehicle. Each corner module shall consist of twelve (12) Super-LEDs mounted within a vacuum metalized parabolic reflector. The corner module shall also utilize an optic collimator for maximum light output. The twelve (12) LEDs shall be mounted in one straight line.

The solid state I/O board shall be microprocessor controlled. The I/O board shall have built-in reverse-polarity protection and output-short protection. The board shall have the ability to flash sixteen (16) LED warning lights. There shall be a data bank of 13 Scan-Lock flash patterns including steady burn. The board shall also have outputs to add takedown and alley lights. Low power and cruise light function shall also be included. The cruise light function shall allow the user to employ the four (4) corner modules as marker courtesy lights.

The lightbar shall include clear "Take Down" and "Alley Lights".

The lightbar shall have an amber "Traffic Advisor" built into the rear portion of the lightbar.

C-3598 DOOR AJAR LIGHT, LED

A "door ajar" warning light shall be installed on the center console. The light shall be flashing red LED light with a clear lens.

The door ajar light shall be activated by door ajar switches installed on every compartment door.

C-3764 STOP/TAIL/TURN LIGHTS, WHELEN M6BTT/M6FC

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 lightheads 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-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 lighthead configuration shall consist of RED 18 Super-LEDs and a clear optic polycarbonate lens. The lightheads shall be surface mountable via two screws. The lightheads 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 lighthead 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 lighthead 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

Two (2) Whelen M-7 Series Model #M7RC 3" x 7" warning lights with chrome flanges shall be lower rear of body. 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.

C-4070 GROUND LIGHTS - CHASSIS - LED STRIPS - 4DOOR

Four (4) LED ground strip lights shall be installed under the cab step area in compliance with NFPA standards, two (2) on each side of the apparatus, wired to the Cencom, and the chassis interior lights.

C-3617 GROUND LIGHTS, UNDER REAR STEP

Two (2) led ground lights shall be installed under the rear step area, one on each side of the apparatus.

C-3618 BODY WORK LIGHTS, (4)

Four (4) Grote #63871 LED body work lights with clear lens shall be installed, wired to switch on the Cencom. They shall have an aluminum housing, and be 800 lumens at 1.4 amps.

Location shall be: in each corner of the protective tubing assembly to light the pump panel and the front body walkway area.

C-4123 SIREN, ELECTRONIC, WHELEN, CARBIDE

One (1) Whelen, Model #CCSRNT4A CenCom Carbide siren with auxiliary switches with noise canceling microphone shall be provided.

Siren head will be mounted on the center console in easy reach of the driver.

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.

Location shall be: Behind the front grille.

C-3744 LIGHTBAR MOUNT, FRONT OF BODY, WITH GUARD

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

C-3756 SCENE LIGHT, (6) RIGID

Six (6) Rigid Manufacturing Dually 202113 scene lights shall be installed. The LED scene lights shall incorporate clear LED's with a clear optic polycarbonate lens for maximum illumination.

Location shall be: Two (2) outward facing, each side of body, two (2) rear facing.

C-3528 KUSSMAUL 1000 - WITH AUTO-EJECT

A Kussmaul Autocharge 1000, Model 091-215-12, high output automatic battery charger shall be provided. The battery charger shall be wired to the 12 volt battery system. The unit shall be mounted in a clean, dry area accessible for service and/or maintenance. It shall be wired to the specified shore power receptacle.

It shall include a compatible Digital Status Display Center.

It shall also include 15 amp "auto-eject" shore power receptacle with hinged weatherproof cover and an enclosure for protection from dirt and damage. The shore power plug shall be "ejected" when the chassis' engine starter is engaged and the receptacle shall be wired to any 120 volt A/C equipment requiring shore power.

Location shall be: Rear body panel, d/s

Color of Digital Status Display Center and Auto Eject: Red

C-3766.2 LETTERING, CAB, 3" REFLECTIVE

The cab lettering shall be WHITE or BLUE Scotchlite reflective material. A quantity of up to fifty (50) three inch (3") letters shall be installed as directed by Fire Department.

The lettering shall match previous TIFMAS T6 apparatus.

C-3769.2 CUSTOM DOOR GRAPHICS

The apparatus shall be provided with Two (2) custom designed sign gold graphics, emblems, or seals. The installation shall be designed primarily with letters and numbers as specified. The purchaser shall approve of the design graphics prior to installation.

The door shields shall match previous TIFMAS T6 apparatus.

C-4195.2 CAB ROOF NUMBERS

There shall be up to four (4) BLUE scotchlite numbers on the roof of the cab, 18" tall.

They shall match previous TIFMAS T6 apparatus.

C-3771.2 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.

The stripe shall be BLUE, and match previous TIFMAS T6 apparatus.

C-3777.2 STRIPE, REFLECTIVE, 3M DIAMOND GRADE, FRONT CHEVRON,

There shall be alternating chevron striping installed across the front bumper where permitted. The chevron striping shall consist of 6" diamond grade in the following colors:

Colors to be determined at preconstruction meeting.

C-3779.2 STRIPE, REFLECTIVE, 3M DIAMOND GRADE, REAR CHEVRON,

There shall be alternating chevron striping installed on the rear vertical body panel. The chevron striping shall consist of 6" diamond grade in the following colors:

Colors to be determined at preconstruction meeting.

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-4429 MUD FLAPS, REAR WHEELS, SEV LOGO

The chassis shall be supplied with mud flaps with the manufacturer's logo. The mud flaps shall be installed behind the rear wheels.

C-3760 ELECTRICAL HARNESS & WIRING

The following describes the low voltage electrical system on the apparatus including all panels, electrical components, switches and relays, wiring harnesses and other electrical components. The apparatus manufacturer shall conform to the latest Federal DOT standards, current automotive electrical system standards and the applicable requirements of the NFPA.

Wiring shall be stranded copper or copper alloy conductors of a gauge rated to carry 125 percent of the maximum current for which the circuit is protected. Voltage drops shall not exceed 10 percent in all wiring from the power source to the using device. The wiring, wiring harness and insulation shall be in conformance to applicable SAE and NFPA standards. The wiring harness shall conform to SAE J-1128 with GXL temperature properties. Exposed wiring shall be run in a loom with a minimum 289 degree Fahrenheit rating. Wiring looms shall be properly supported and attached to body members. Electrical conductors shall be constructed in accordance with applicable SAE standards, except when good engineering practice requires special construction.

All wiring connections and terminations shall provide positive mechanical and electrical connections and be installed in accordance with the device manufacturer's instructions. When wiring passes through metal panels, electrical connections shall be secured with

mechanical type fasteners and rubber grommets

Wiring between cab and body shall be split using connectors or enclosed in a terminal junction panel allowing body removal with 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.

All lights in a weather exposed area that have their sockets shall have corrosion preventative compound added to the socket terminal area.

All wiring shall be hidden, enclosed, or protected under the body in protective material, or within the apparatus body components. In addition, split loom conduits shall be installed and enclosed, suitably secured and protected against heat and physical damage.

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-3762 CLEARANCE LIGHTS, LED, DOT

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

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-3758 BACK UP ALARM

One (1) back up alarm shall be installed.

C-3780 CAPACITIES PLACARD, REFLECTIVE

The apparatus shall have a reflective placard that provides the following information:

Water Tank Capacity
Pump Capacities

C-3570.2 EMBLEMS, SKEETER

Three (3) Skeeter emblems will be affixed to the cab and body.

C-3630 FINAL ASSEMBLY

The apparatus shall be assembled in a high quality and controlled environment. The fit, form, and finish of the body shall be to the highest level fire apparatus manufacturing standards. Upon completion, the apparatus shall be ready for final inspection and road testing as required herein.

C-3795.2 OPERATIONAL PUMP TEST

The fire pump shall have an operational pump test performed by a Skeeter Emergency Vehicles technician with a run time of one (1) hour to confirm proper operations of all pump related components.

*** NOTE: ALL TESTING SHALL BE DONE AND PERFORMANCE OBSERVED BETWEEN SEA LEVEL AND 1000' ELEVATION.

*** HIGH ALTITUDE PERFORMANCE MAY NOT REPRESENT TESTING RESULTS SHOWN.

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-3800.2 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-3474 CHASSIS PREP

The chassis cab shall be "prepped" for fire apparatus production as follows:

- a) Wash and clean chassis
- b) Weigh chassis for NFPA reports
- c) Quality control check in.

C-4022 DRAWINGS

There shall be design drawings submitted to the customer prior to the pre-construct conference. The CAD drawings shall include all sides of the apparatus. The customer shall agree to the drawings reflecting the correct apparatus design and layout prior to construction.

C-3761 WIRING HARNESS, BODY ELECTRICAL

All wiring shall be hidden, enclosed, or protected under the body in protective material, or within the apparatus body components. In addition, split loom conduits shall be installed and enclosed, suitably secured and protected against heat and physical damage.

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
- 10. (10)
Cab tilt mechanism fluid
- 11. (11)
Transfer case fluid
- 12. (12)
Equipment rack fluid
- 13. (13)
CAFS air compressor system lubricant
- 14. (14)
Generator system lubricant
- 15. (15)*
Front tire cold pressure
- 16. (16)*
Rear tire cold pressure
- 17. (17)
Maximum tire speed ratings

There shall be a label identifying the number of seat belted locations on the unit.

A final stage manufacturer shall install "hearing loss" potential warning labels on the vehicle in any areas or fixed equipment that produces excessive noise levels. (exhaust outlet, sirens and air horns shall not be required for such equipment.)

A warning label stating: "NO RIDING ON REAR OF APPARATUS" shall be installed on rear of the apparatus. The label shall be applied to the vehicle at the rear step area. The label shall warn personnel that riding in or on these areas, while the vehicle is in motion, is prohibited.

The below listed labels shall be installed on/in the apparatus. All label shall comply with NFPA 1906, 2016 Edition standards on location and design set in each standard.

- (1) NFPA 1906: 12.2.3.3 - Fluid Data Label
- (2) NFPA 1906: 14.1.3.7 - Safety Sign FAMA07, Seat Belt Use
- (3) NFPA 1906: 14.1.7.5 - Safety Sign FAMA43, No Helmets Vehicle in Motion
- (4) NFPA 1906: 16.13.1.3.1 - Pump Test Label

The following shall be installed or provided on the apparatus in accordance with NFPA 1906:

One (1) placard indicating fluid type and capacity shall be installed on 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-3785.2 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-3787 PAYMENT TERMS, 100% ON DELIVERY AND ACCE

Terms of payment for the specified vehicle shall be only cash or equivalent on delivery and acceptance for the unit. No bid will be considered which requires the purchaser to deposit with the bidder a down payment, prepayment of chassis, or any other such

consideration as a condition of the bid. Such a requirement shall be grounds for immediate rejection of the bid.

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.

*** NOTE, UNLESS PRIOR APPROVAL BY SKEETER BRUSH TRUCKS, FINAL INSPECTION AT THE PLANT IS MANDATORY ***

C-3790 TRAINING, FACTORY SUPPLIED, FACTORY LOCA

The bidder shall demonstrate and familiarize the purchaser regarding the vehicle's operation. This shall include operation of chassis, major components, review of delivery information and documentation. This demonstration shall be completed at Skeeter Brush Trucks factory location in Hillsboro, Texas.

C-3792 DELIVERY, PURCHASER PICKUP

The apparatus shall be picked up at the manufacturer's plant by the purchaser.

*It is the purchaser's responsibility to transport all loose equipment not physically mounted to the apparatus

SP-1529 ICE CHEST

There shall be an ice chest installed with a strap and base mount. It shall be Yeti brand or equal.

It shall be mounted on the passenger's side rear corner of the body.

External dimensions shall be approximately: 24.0 x 16.0 x 16.25

SP-1530 TIFMAS LOOSE EQUIPMENT

The standard TIFMAS T6/T3 Loose Equipment shall be supplied. SMEG Quote #700-0017041 (9-4-24).



Siddons-Martin Emergency Group
3500 Shelby Lane
Denton, TX, 76207
USA
Phone: (940) 315-4948

ESTIMATE

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Customer Info:

Skeeter
115 Industrial Loop
Hillsboro, TX, 76645
USA

Document Info:

Quote #: 700-0017041
Taken By: John Morris
Expiration Date: 10/04/2024

Item #	Description	Quantity / Unit	Unit Price	Amount
187999	Deluxe Chainsaw Chaps 32" Stanco TSC-769-10004 32	1.00 / EA	0.00	0.00
194242	QUICK CHOCK MEDIUM CHOCK 3025-110-000 ZIA-AC-1	2.00 / EA	0.00	0.00
291866	MINI-STRIKER MSTR-P PUMP 1-STG GXH50 PORTABLE LIGHTWEIGHT FIRE PUMP WAT-1000053	1.00 / EA	0.00	0.00
007385	DRIP TORCH 1.25 TSC-770-64501	1.00 / EA	0.00	0.00
138121	M2 BASICS 300 Piece First Aid Kit B01M0MWXOZ	1.00 / EA	0.00	0.00
194359	25FT, 3/8" CHAIN ZOR-10038-25BXGRA	1.00 / EA	0.00	0.00
078332	2.5" NH x 2.5" NH DBL SW RL F -FG- ADAPTERS KOC-35R2525-H52	1.00 / EA	0.00	0.00
079965	2.5" NH x 2.5" NH DBL RL MALE -FG- ADAPTER KOC-36R2525-H52	1.00 / EA	0.00	0.00
165790	2.5" x 10' PVC NH LH (3" HOSE) KOC-P251-10-A52	2.00 / EA	0.00	0.00
165785	1.5" x 10' PVC NH RLHARD SUCTION KOC-P152-10-H51	2.00 / EA	0.00	0.00
165635	1.5" NH BARRL STRNR w/POPPET TYP CHK VLV -FG- KOC-BS151-H51	1.00 / EA	0.00	0.00
165528	1" NH RIG RL F x 1" NPSH M -FG- KOC-37R11P-H52	4.00 / EA	0.00	0.00
165571	1" NPSH RIG RL F x GHT M -FG- ADAPTER	4.00 / EA	0.00	0.00



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KOC-37R1PG-H52

165541	1.5" NH RIG RL F x 1" NPSH M -FG- ADAPTER KOC-37R151P-H52	6.00 / EA	0.00	0.00
006013	2.5" NH BARREL STRAINER -FG- KOC-BS25-P09	1.00 / EA	0.00	0.00
165547	1.5" NH RIG RL F x 2.5" NH M -FG- ADAPTER KOC-37R1525-H52	1.00 / EA	0.00	0.00
295011	3/4" GATED WYE THD-2482	6.00 / EA	0.00	0.00
165555	1.5" NPSH RIG RL F x 1.5" NH M -FG- KOC-37R15P15-H52	2.00 / EA	0.00	0.00
165613	GHT RIG RL F x 1" NPSH M ADAPTER KOC-37RG1P-H52	1.00 / EA	0.00	0.00
165566	1" NPSH RIG RL F x 1.5" NH M -FG- KOC-37R1P15-H52	2.00 / EA	0.00	0.00
165473	1" NPSH x 1" NPSH DBL SW RL F -FG- KOC-35R1P1P-H52	1.00 / EA	0.00	0.00
165509	1" NPSH x 1" NPSH DBL RL M -FG- KOC-36R1P1P-H52	1.00 / EA	0.00	0.00
165463	1.5" NH x 1.5" NH DBL SW RL F -FG- ADAPTER KOC-35R1515-H52	2.00 / EA	0.00	0.00
165500	1.5" NH x 1.5" NH DBL RL M -FG- ADAPTER KOC-36R1515-H52	1.00 / EA	0.00	0.00
165571	1" NPSH RIG RL F x GHT M -FG- ADAPTER KOC-37R1PG-H52	3.00 / EA	0.00	0.00



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007031	1" NPSH-F X 1" NPSH-M X 1" NPSH-M, W/CAP SH-T-1NP-1NP	4.00 / EA	0.00	0.00
007030	1.5" NH-F X 1.5" NH-M X 1" NPSH-M, W/CAP SH-T-15NH-1NP	4.00 / EA	0.00	0.00
007032	1.5" NH-F X 1.5" NH-M X 1" NPSH- W/VALVE SH-TV-15NH-1NP	2.00 / EA	0.00	0.00
004931	1.5" NH-F, AUTOMATIC CHECK AND BLEEDER CFE-11153	1.00 / EA	0.00	0.00
295015	BRASS HOSE-END SHUT OFF COUPLING HOSE CONNECTOR THD-27933	5.00 / EA	0.00	0.00
182308	SHUT-OFF VALVE, 1 NH SHUT- OFF SWIVEL SH-SOV-SW-1NH	1.00 / EA	0.00	0.00
182307	SHUT-OFF VALVE, 1-1/2 NH SHUT-OFF SWIVEL SH-SOV-SW-15NH	1.00 / EA	0.00	0.00
144033	LIFELINE ROPE 1/2" (BY THE FOOT) ORANGE CMC-273210	150.00 / EA	0.00	0.00
144150	ROPE BAG #2 RED (1/2" 200') (7/16" 250') CMC-430203	1.00 / EA	0.00	0.00
007270	BUBBLE CUP w/GRIP 1"FEMALE 10 & 40 GPM FOAM ASPIRATING SLEEVE TFT-DS1040BCP	1.00 / EA	0.00	0.00
186777	QUADRAFOG w/GRIP 1.5" F 30-125 GPM @ 100 PSI SPINNING TEETH TFT-FQS125PS	1.00 / EA	0.00	0.00



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146481	1" WILDLAND NOZZLE STRAIGHT STREAM & FOG NST CSS-TT300 NST	1.00 / EA	0.00	0.00
182276	1 NP DUAL RANGE NOZZLE SH-NZ-DR-1NP	4.00 / EA	0.00	0.00
182240	2 PIECE MOP UP APPLICATOR SH-APP-2	2.00 / EA	0.00	0.00
182180	MOP UP NOZZLE SH- NZ-MOP	4.00 / EA	0.00	0.00
007035	GATED WYE, 1" NPSH X 1" NPSH SH-WV-1NP-1NP	4.00 / EA	0.00	0.00
182327	WYE, GATED 1.5" NH X (2) 1.5" NH SH-WV-15NH-15NH	4.00 / EA	0.00	0.00
146684	WILDLAND COMBINATION TOOL (SHOVEL & PICK) CTL-CT42 FSS	2.00 / EA	0.00	0.00
007034	WYE, 1.5" NH X 1" NPSH SH-WV-15NH-1NP	1.00 / EA	0.00	0.00
146685	FOREST FIRE SHOVEL SOLID SHANK CTL-FFSHOSS38 FSS	3.00 / EA	0.00	0.00
146691	WILDLAND MCLEOD TOOL CTL-MT48 FSS	1.00 / EA	0.00	0.00
293046	ANCHOR INDUSTRIES NEW GEN FIRE SHELTER-STANDARD WIT-ANC-9003077	4.00 / EA	0.00	0.00
187991	OPERATOR SHELTER PACK TSC-604-30251 BLACK	4.00 / EA	0.00	0.00
295016	48 OZ DEAD BLOW HAMMER THD-15152	1.00 / EA	0.00	0.00
159768	RIGID 24" PIPE WRENCH HD-31030	1.00 / EA	0.00	0.00
159767	RIGID 14" PIPE WRENCH HD-31020	1.00 / EA	0.00	0.00



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179320	DBL END HOLE TYPE, SPANNER RHB-104	2.00 / EA	0.00	0.00
146668	FORESTRY SERVICE PULASKI FIRE AXE 3.75LBS 42" FIBERGLASS HANDLE CTL-38PE142FG NFES	2.00 / EA	0.00	0.00
194361	CHANNELOCK 85 PLIERS ZOR-G2991405	2.00 / EA	0.00	0.00
146692	SLEDGE HAMMER 10LB w/34" FIBERGLASS HANDLE CTL-PR1000FG	1.00 / EA	0.00	0.00
293589	MULTIPURPOSE (ABC) DRY CHEMICAL – ALUMINUM VALVE 5LB w/VEHICLE BRACKET 3A:40B:C BFE-25614	1.00 / EA	0.00	0.00
005042	COLLAPSIBLE BACK PUMP DAR-U235	2.00 / EA	0.00	0.00
295023	DOZER RADIO CHEST HARNESS GEN 3 TRUE NORTH TSC-603-92722	4.00 / EA	0.00	0.00
184791	CHAINSAW CHAIN 20" LOOP .325 .063" SUPER STHL-26RS 81	3.00 / EA	0.00	0.00
184810	STIHL MS 261 C-M 20 GAS CHAINSAW w/20" BAR & CHAIN STL-MS 261 C-M 20	1.00 / EA	0.00	0.00
010749	Honda 06176-1450C No-Spill Can,5 Gal 06176-1450C	1.00 / EA	0.00	0.00
168328	30" HEAVY DUTY BOLT CUTTER MAX-69	1.00 / EA	0.00	0.00
155910	WILDLAND HOSE CLAMP, 1" & 1.5" HOSE FSCRD	6.00 / EA	0.00	0.00



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295031	FOX OUTDOOR PRODUCTS NATO STYLE RUCKSACK OLIVE DRAB AMA-B000YWDZWO	8.00 / EA	0.00	0.00
149152	1.5"NH x 50' ECO 10 LIGHTWEIGHT DOUBLE JACKET RUBBER LINED ATTACK HOSE YELLOW w/ALUMINUM COUPLINGS DP15-800-ECO-50-YARN	5.00 / EA	0.00	0.00
149255	2.5"NH x 50' ECO 10 LIGHTWEIGHT DOUBLE JACKET HOSE RUBBER LINED ATTACK HOSE YELLOW w/ALUMINUM COUPLINGS DP25-800-ECO-50-YARN	1.00 / EA	0.00	0.00
164936	2.5"NH x 25' ECO 10 LIGHTWEIGHT DOUBLE JACKET RUBBER LINED ATTACK HOSE YELLOW w/ALUMINUM COUPLINGS DP25-800-ECO-25-YARN	1.00 / EA	0.00	0.00
165018	1"NSPH x 100' SINGLE JACKET LIGHTWEIGHT YELLOW FORESTRY HOSE PU/RUBBER LINED TYPE II w/ALUNIMUM COUPLINGS FF10-600PU-100-Y-ARI	8.00 / EA	0.00	0.00
165005	3/4" x 100' 1061 PENCIL LINE SMALL DIAMETER FORESTRY HOSE w/GHT COUPLING FF075-600-100-W-GHT	8.00 / EA	0.00	0.00
300056	FREIGHT FREIGHT	1.00 / EA	0.00	0.00

Total of All Services

Labor total	\$0.00	Shop supplies	\$0.00
Parts total	\$0.00	Sublet total	\$0.00
Freight total	\$ 0.00	Core charges	\$0.00
		Sales tax	\$0.00

Total: \$0.00

ATTACHMENT A

TEXAS A&M FOREST SERVICE

TERMS AND CONDITIONS

1. BIDDING REQUIREMENTS

- 1.1 Bidders must comply with all rules, regulations and statutes relating to purchasing in the State of Texas in addition to the requirements of this form.
- 1.2 Bidders must price per unit shown. Unit prices shall govern in the event of extension errors.
- 1.3 Bids should be submitted on this form. Any alternations to the original format and content of this form will result in the disqualification of bid.
- 1.4 Late and/or unsigned bids will not be considered under any circumstances. Person signing bid must have the authority to bind the firm in a contract.
- 1.5 Quote F.O.B. destination, freight prepaid and allowed unless otherwise stated within the specifications.
- 1.6 Bid prices are requested to be firm for TFS acceptance for 60 days from opening date. Cash discounts are not considered in determining an award. Cash discounts offered will be taken if earned.
- 1.7 Bids should give Payee ID Number, full firm name and address of bidder on the face of this form. Enter in the space provided, if not shown. The Payee ID Number is the taxpayer number assigned and used by the Comptroller of Public Accounts of Texas.
- 1.8 Bid cannot be altered or amended after opening time. Any alterations made before opening time should be initiated by bidder or his authorized agent. No bid can be withdrawn after opening time without approval by TFS Purchasing Office based on a written acceptable reason.
- 1.9 Purchases made for TFS are exempt from the State Sales tax and Federal Excise tax. Do not include tax in quotation. Excise Tax Exemption Certificate will be furnished by TFS upon request.
- 1.10 TFS reserves the right to accept or reject all or any part of any bid, waive minor technicalities and award the bid to best serve the interests of the TFS.
- 1.11 The telephone number for FAX submission of bid is (979) 458-7387. This is the only number that will be used for the receipt of bids. TFS shall not be responsible for failure of electronic equipment or operator error. Late, illegible, incomplete, or otherwise non-responsive bids will not be considered.

2. SPECIFICATIONS

- 2.1 Catalogs, brand names or manufacture's references are descriptive only, and indicate type and quality desired. Bids on brands of like nature and quality will be considered, unless advertised as a Proprietary Purchase in accordance with TAMU Procurement Code Section 1 (b) and TFS Purchasing Procedures, Section 4.13. If bidding on other than references, bid should show manufacturer, brand or trade name, and other description of product offered. If other than brand(s) specified is offered, illustrations and complete description of product offered is requested to be made part of the bid. Failure to take exception to specifications/reference data will require bidder to furnish specified brand names, numbers, etc.
- 2.2 Unless otherwise specified, items shall be new and unused and of current production.
- 2.3 All electrical items must meet all applicable OSHA standards and regulations, and bear the appropriate listing from UL, FMRC or NEMA.
- 2.4 Samples, when requested, must be furnished free of expense to TFS. If not destroyed in examination, they will be returned to the bidder, upon request, at bidder's expense. Each sample should be marked with bidder's name and address, and Purchase Order number. Do not enclose in or attach bid to sample.
- 2.5 TFS will not be bound by any oral statement or representation contrary to the written specifications of this Invitation For Bid (IFB).
- 2.6 Manufacturer's standard warranty shall apply unless otherwise stated in the IFB.
3. **TIE BIDS**
Awards will be made in accordance with TAC Rule 20.36 (b) (3) and 20.38 (preferences).
4. **DELIVERY**
 - 4.1 Show number of days required to place material in receiving agency's designated location under normal conditions. Delivery days mean calendar days, unless otherwise specified. Failure to state delivery time obligates bidder to deliver in 14 calendar days. Unrealistic delivery promises may cause bid to be disregarded.
 - 4.2 If delay is foreseen, vendor shall give written notice to TFS. Vendor must keep TFS advised at all times of order status. Default of promised delivery (without accepted reasons) or failure to meet specifications authorizes TFS to purchase supplies elsewhere and charge full increase, if any, in cost and handling to defaulting vendor.
 - 4.3 No substitutions permitted without TFS written approval.
 - 4.4 Delivery shall be made during normal working hours only, unless prior approval has been obtained from TFS.
 - 4.5 Each shipment must be accompanied by a packing slip which shows the TFS Purchase Order number and the description, quantity shipped and any back-ordered quantity for each item shipped. Each package must be clearly marked with the destination address and TFS Purchase Order number.
5. **INSPECTION AND TESTS**
All goods will be subject to inspection and test by TFS. Authorized TFS personnel shall have access to any supplier's place of business for the purpose of inspecting merchandise. Tests shall be performed on samples submitted with the bid or on samples taken from regular shipment. All costs shall be borne by the vendor in the event products tested fail to meet or exceed all conditions

and requirements of the specification. Goods delivered and rejected in whole or in part may, at the TFS' option, will be returned to the vendor or held for disposition at vendor's expense. Latent defects may result in revocation of acceptance.

6. AWARD OF CONTRACT AND FORCE MAJURE

6. A response to this IFB is an offer to contract based upon the terms, conditions and specifications contained herein. Bids do not become contracts until they are accepted through a TFS purchase order. The contract shall be governed, construed and interpreted under the laws of the State of Texas, and as same may be amended. Any legal actions must be filed in Brazos County, Texas. The TFS may grant relief from performance of the contract if the vendor is prevented from compliance and performance by the act of war, order of legal authority, act of God, or other unavoidable causes not attributed to the fault or negligence of the contractor. To obtain release on Force Majure, the vendor must file a written request to the TFS.

7. PAYMENT

7. Vendor shall submit one (1) copy of an itemized invoice showing TFS Purchase Order number. TFS will incur no penalty for late payment if made in 30 or fewer days from receipt of goods or services and an uncontested invoice.

TFS will not be liable for payment of invoices received six (6) or more months after receipt of goods/services. PATENTS OR COPYRIGHTS

8. Vendor agrees to protect the TFS from claims involving infringement of patents or copyrights.

9. VENDOR ASSIGNMENTS

9. Vendor hereby assigns to TFS any and all claims for overcharges associated with this contract arising under the antitrust laws of the United States 15 U.S.C.A. Section 1, et seq. (1973), and the antitrust laws of the State of Texas, TEX. Bus. & Comm. Code Ann. Sec. 15.01, et seq. (1967). Inquiries pertaining to quotation must give the quotation number and opening date.

10. BIDDER AFFIRMATION

10. Signing this bid with a false statement is a material breach of contract and shall void the submitted bid or any resulting contracts, and the bidder shall be removed from all bid lists. By signature hereon affixed, the bidder hereby certifies that:

- 10.1 The bidder has not given, offered to give, nor intends to give at any time hereafter any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, or service to a public servant in connection with the submitted quotation.

- 10.2 The bidder is not currently delinquent in the payment of any franchise tax owed the State of Texas.

- 10.3 Neither the bidder nor the firm, corporation, partnership or institution represented by the bidder, or anyone acting for such firm, corporation or institution has violated the antitrust laws of this State, or the Federal Antitrust Laws, (see Section 9 above) nor communicated directly or indirectly the bid made to any competitor or any other person engaged in such line of business.

- 10.4 Pursuant to Section 2155.004(a) Government Code the bidder has not received compensation for participation in the preparation of the specification for this IFB.

- 10.5 Pursuant to Section 231.006 (d), Family Code, re: child support, the bidder certifies that the individual or business entity named in this bid is not ineligible to receive the specified payment and acknowledges that this contract may be terminated and payment may be withheld if this certification is inaccurate.

- 10.6 Pursuant to Section 2155.004(b) Government Code the bidder certifies that the individual or business entity name in this bid is not ineligible to receive the specified payment and acknowledges that this contract may be terminated and/or payment withheld if this certification is inaccurate.

- 10.7 The Contractor shall defend, indemnify, and hold harmless the State of Texas, all of its officers, agents and employees from and against all claims, actions, suits, demands, proceedings, costs, damages, and liabilities, arising out of, connected with, or resulting from any acts or omissions of contractor or any agent, employee, subcontractor, or supplier of contractor in the execution of performance of this contract.

- 10.8 Bidder agrees that any payment due under this contract will be applied towards eliminating any debt or delinquency, regardless of when it arises, including but not limited to delinquent taxes and child support that is owed to the State of Texas.

- 10.9 Bidder certifies that they are in compliance with section 669.003 of the Government Code, relating to contracting with executive head of a State agency. If section 669.003 applies, bidder will complete the following information in order for the bid to be evaluated:

Name of Former Executive: _____

Name of State Agency: _____

Date of Separation from State Agency: _____

Position with Bidder: _____

Date of Employment with Bidder: _____

- 10.10 Bidder agrees to comply with Government Code 2155.4441, pertaining to service contract use of products in the State of Texas.

- 10.11 Contractor understands that acceptance of funds under this contract acts as acceptance of the authority of the State Auditor's Office, or any successor agency, to conduct an audit or investigation in connection with those

funds. Contractor further agrees to cooperate fully with the State Auditor's Office or its successor in the conduct of the audit or investigation, including providing all records requested. Contractor will ensure that this clause concerning the authority to audit funds received indirectly by subcontractors through Contractor and the requirement to cooperate is included in any subcontract it awards.

11. BUSINESS OWNERSHIP

Pursuant to Section 231.006 (c), Family Code, quotation must include name and Social Security Number of each person with at least 25% ownership of the business entity submitting the quotation. Bidders that have pre-registered this information on the TPASS Centralized Master Bidders List have satisfied the requirement. If not pre-registered, attach name & social security number for each person. Otherwise, information must be provided prior to award.

12. NOTE TO BIDDER

Any terms and conditions attached to a bid will not be considered. Such terms and conditions may result in disqualification of the bid.

13. ALTERNATIVE DISPUTE RESOLUTION

The dispute resolution process provided for in Chapter 2260 of the Texas Government Code shall be used, as further described herein, by Texas A&M Forest Service and the Contractor to attempt to resolve any claim for breach of contract made by the contractor:

(a) A contractor's claim for breach of this contract that the parties cannot resolve in the ordinary course of business shall be submitted to the negotiation process provided in Chapter 2260, subchapter B, of the Texas Government Code. To initiate the process, the contractor shall submit written notice, as required by subchapter B, to Travis Zamzow, Associate Director for Finance and Administration. Said notice shall specifically state the provisions of Chapter 2260, subchapter B, are being invoked. A copy of the notice shall be given to all other representatives of Texas A&M Forest Service and the contractor otherwise entitled to notice under the parties' contract. Compliance by the contractor with subchapter B is a condition precedent to the filing of a contested case proceeding under Chapter 2260, subchapter C, Texas Gov't Code.

(b) The contested case process provided in Chapter 2260, subchapter C, of the Texas Government Code is the contractor's sole and exclusive process for seeking a remedy for any and all alleged breaches of contract by Texas A&M Forest Service, if the parties are unable to resolve their disputes under this subparagraph (A).

(c) Compliance with the contested case process provided in subchapter C is a condition precedent to seeking consent to sue from the Legislature under Chapter 107 of the Civil Practices and Remedies Code. Neither the execution of this contract by Texas A&M Forest Service nor any other conduct of any representative of Texas A&M Forest Service relating to the contract shall be considered a waiver of sovereign immunity to suit.

(1) The submission, processing, and resolution of the contractor's claim is governed by the published rules adopted by the Office of the Attorney General of the State of Texas pursuant to Chapter 2260, as currently effective, hereafter enacted or subsequently amended. These rules are found under Title 1, Part 3, Chapter 68 of the TAC.

(2) Neither the occurrence of an event nor the pendency of a claim constitutes grounds for the suspension of performance by the contractor, in whole or in part.

(3) The designated individual responsible on behalf of Texas A&M Forest Service for examining any claim or counterclaim and conducting any negotiations related thereto as required under Title 10, Subchapter B, Section 2260.052 of the Texas Government Code shall be Travis Zamzow, Associate Director for Finance and Administration (979) 458-7300.

14. PUBLIC DISCLOSURE

(a) Bidder acknowledges that Texas A&M Forest Service is obligated to strictly comply with the Public Information Act, Chapter 552, *Texas Government Code*, in responding to any request for public information pertaining to this Agreement, as well as any other disclosure of information required by applicable Texas law.

(b) Upon Texas A&M Forest Service's written request, bidder will provide specified public information exchanged or created under this Agreement that is not otherwise excepted from disclosure under chapter 552, Texas Government Code, to Texas A&M Forest Service in a non-proprietary format acceptable to Texas A&M Forest Service. As used in this provision, "public information" has the meaning assigned Section 552.002, *Texas Government Code*, but only includes information to which Texas A&M Forest Service has a right of access.

(c) Bidder acknowledges that Texas A&M Forest Service may be required to post a copy of the fully executed Agreement on its internet website in compliance with Section 2261.253(a)(1), *Texas Government Code*.

15. REHAB ACT, VEVRAA, SECTION 503

This contractor and subcontractor shall abide by the requirements of 41 CFR §§ 60-1.4(a), 60-300.5(a) and 60-741.5(a). These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities, and prohibit discrimination against all individuals based on their race, color, religion, sex, or national origin. Moreover, these regulations require that covered prime contractors and subcontractors take affirmative action to employ and advance in employment individuals without regard to race, color, religion, sex, national origin, protected veteran status or disability.

**ATTACHMENT A
TEXAS A&M FOREST SERVICE
TERMS AND CONDITIONS**

16. **Conflict of Interest.** By executing this Agreement, Contractor and each person signing on behalf of Contractor certifies, and in the case of a sole proprietorship, partnership or corporation, each party thereto certifies as to its own organization, that to the best of their knowledge and belief, no member of The A&M System or The A&M System Board of Regents, nor any employee, or person, whose salary is payable in whole or in part by The A&M System, has direct or indirect financial interest in the award of this Agreement, or in the services to which this Agreement relates, or in any of the profits, real or potential, thereof.
17. **Prohibition on Contracts with Companies Boycotting Israel.** Prohibition on Contracts with Companies Boycotting Israel. To the extent that Texas Government Code, Chapter 2270 applies to this Agreement, PROVIDER certifies that (a) it does not currently boycott Israel; and (b) it will not boycott Israel during the term of this Agreement. PROVIDER acknowledges this Agreement may be terminated and payment withheld if this certification is inaccurate.
18. **Certification Regarding Business with Certain Countries and Organizations.** Pursuant to Subchapter F, Chapter 2252, Texas Government Code, Contractor certifies it is not engaged in business with Iran, Sudan, or a foreign terrorist organization. Contractor acknowledges this Agreement may be terminated if this certification is inaccurate.
19. **Prohibition on Contracts Related to Persons Involved in Human Trafficking.** Under Section 2155.0061, Government Code, the Contractor certifies that the individual or business entity named in this Agreement is not ineligible to receive the specified contract and acknowledges that this contract may be terminated and payment withheld if this certification is inaccurate.