



KINGFISHER COUNTY COMMISSIONERS

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Kingfisher, OK 73750

February 5, 2024

Bid # 7-23-24

NOTICE TO BIDDERS

Notice is hereby given that the Board of County Commissioners of Kingfisher County will receive sealed bids for a Wildlands Fire Fighting Apparatuses (built on provided platform), with all necessary equipment fully serviced and ready to operate for the Okarche Fire Department.

Bids will be accepted at the Kingfisher County Courthouse in the Office of the County Clerk until 4:00pm on the 1st day of March, 2024 to be opened at their regular meeting of March 4th, 2024.

Specifications for the Wildlands Fire Fighting Apparatuses and equipment required are included in the bid packet and also available from the purchasing agent located in the Kingfisher County Clerk's office.

The Board of County Commissioners reserves the right to reject any or all bids. All bidders must complete a statement of non-collusion. Please contact Kingfisher County Clerk's office for bid results at 405-375-3887.

Board of County Commissioners
Kingfisher County Courthouse
Kingfisher, Oklahoma

CHAIRMAN: _____
[Signature]
Heath Dobrovolny

MEMBER: _____
[Signature]
Jeff Moss

MEMBER: _____
[Signature]
Ray Shimanek

ATTEST:
[Signature]



COUNTY CLERK

SPECIFICATIONS
FOR
**OKARCHE
FIRE DEPARTMENT**
FOR A
Quick Attack

Wildlands Fire Fighting Apparatus

Minimum Specifications for a Wildlands Fire Fighting Apparatus
(Any Mention of a specific brand name – shall be or equivalent)

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Intent of Specifications:

It is the intent of these specifications to clearly describe the furnishing and delivery to the Purchaser, a complete apparatus equipped as specified. The primary objective of these specifications is to obtain the most acceptable apparatus for service in the Fire Department. These specifications cover specific requirements as to the type of construction and tests the apparatus must conform, together with certain details as to finish, material preferences, equipment, and appliances with which the successful bidder must conform.

The design of the apparatus must embody the latest approved automotive design practices. The workmanship must be of the highest quality in its respective field. Special consideration shall be given to service access to areas needing periodic maintenance, ease of operation, and symmetrical proportions. Construction must be heavy-duty and ample safety factors must be provided to carry loads as specified. The construction method employed will be in such a manner as to allow ready removal of any component for service or repair.

The apparatus shall conform to the National Fire Protection Association Standard for Automotive Fire Apparatus, number 1901 and the National Fire Protection Association Standard for Wildland Fire Apparatus, number 1906, in its most recent edition, unless otherwise specified in this document. Only the specified firefighting support equipment listed in these specifications shall be provided.

The apparatus shall further conform to all Federal Motor Vehicle Safety Standards. **NO EXCEPTION.**

Each bidder shall furnish satisfactory evidence of their ability to design, engineer, and construct the apparatus specified and shall state the location of the factory producing the apparatus. They shall also substantiate they are able to render prompt and proper service and to furnish replacement parts for the apparatus.

Bids will be addressed and submitted in accordance with the instructions provided on the cover sheet. The bid number, the date, and bid opening time shall be stated on the front of the bid envelope.

It shall be the responsibility of the bidder to assure that their proposal arrives at the location and time indicated. Late proposals, telegrams, facsimile, or telephone bids will not be considered. **NO EXCEPTION.**

All bidders are required to detail the payment terms for apparatus on the bidder's proposal page. Any required prepayments or progress payments must be explained in detail.

Service and Warranty Support:

To ensure full service after delivery, the bidder must be capable of providing service when required. The bidder shall show that the company is in position to render prompt service and furnish replacement parts. Each bidder must be able to display that they are actively in the fire apparatus service business by operating an authorized service center and shall stock parts equating to \$250,000.00, No Exceptions.

Any Mention of Brand Name Shall be "or Equivalent"

BIDDER
COMPLIES
YES NO

Detailed information shall be provided on service facilities, personnel, service vehicles, and how long the service facility has been in operation.

Service is a criteria for award of this bid.

Brand Names:

Any brand names, trade names, manufacturer's names, or other product identification names included in these specifications are included to establish a minimum quality and standard. These products listed in our specifications which have name brands attached in no manner limit any bidder, however the items included in your bid must meet or exceed our minimum specifications. The Fire Department will make the sole determination as to which items meet or exceed the specifications.

Proposal Price:

Each bidder's proposal must include all items required in the specifications unless a specific exception is taken. Any bidder who options prices an item included in these specifications that does not specifically require option pricing will have their proposal rejected without further cause.

Proposal Format:

Each bid must be accompanied by a set of detailed contractor's specifications consisting of a detailed description of the apparatus and equipment proposed. All bid proposal specifications must be in the same sequence as the advertised specification for ease of comparison. These specifications shall include size, location, type, and model of all component parts being furnished. Detailed information shall be provided on the materials used to construct all facets of the apparatus body. Any bidder who fails to submit detailed construction specifications, or who photocopies and submits these specifications as their own construction details, or any proposals found to have deviations without listing them will be considered non-responsive and shall render their proposal ineligible for award. **NO EXCEPTION.**

Exceptions:

The following apparatus specifications are considered minimum design and construction standards against which the apparatus will be inspected. It is the intent to receive proposals on equipment/apparatus meeting the attached detailed specifications in their entirety. Any proposals being submitted, without "Full Compliance" with these specifications shall so state on the bid proposal page, followed by a detailed "Letter of Exceptions" listing the areas of non-compliance. The reference must include page number, paragraph, and the exact nature of the exception.

Failure to follow this format, provided for the convenience of the Purchaser, will render the vendor's proposal non-responsive and ineligible for award of contract.

Any Mention of Brand Name Shall be "or Equivalent"

BIDDER
COMPLIES

YES NO

If a product brand name is specified and is commercially available to all bidders, an exception to such items is not acceptable and such bid may be rejected. All deviations, no matter how slight, shall be clearly explained on a separate sheet, in the bid sequence, citing the page and paragraph number(s) of the specifications, how the proposal deviation is different, how the deviation meets or exceeds the specifications and why it is necessary.

The Purchaser may add the statement "No Exception" to a component or design feature in these specifications. In the interest of fleet conformity or specific performance requirements, the Purchaser will not permit exceptions taken to these item(s). The Purchaser reserves the right to reject any or all bid proposals and purchase the equipment it deems most suitable to its needs.

The Purchaser does not, in any way, obligate itself to accept the lowest or any bid. Any bidder taking total exception to the complete specification, or a major element will result in immediate rejection of the proposal.

Delivery:

The bidder shall state the time required for delivery of the completed unit on the proposal page.

The completed unit shall be delivered to the purchaser with full instructions provided to Fire Department personnel on operation, care, and maintenance of apparatus.

Cab & Chassis:

The chassis shall be a customer supplied 2024 regular cab Ford F350 4x4 with a 60" cab to axle.

The chassis will be delivered to the winning bidder when the fire department takes delivery of the chassis.

Cab Console:

An electrical console and enclosure shall be provided to house cab mounted electrical switching devices and equipment.

The console shall be located between the driver's and the officer's seating up to the OEM dash.

Console shall be supplied with Two (2) USB and two (2) 12V power outlets.

There shall be sufficient space available to house siren control and department's radio.

Console shall have a single cup holder offset to driver's side; two (2) armrests and an open storage box.

The center seat will need to be removed.

Grille Guard:

Any Mention of Brand Name Shall be "or Equivalent"

BIDDER
COMPLIES

YES NO

A full front grille guard shall be supplied. The front grille guard shall be black in color.

The front bumper shall have an integrated speaker mount.

Mud Flaps:

Mud flaps shall be provided behind each rear wheel.

Chassis Fuel Fill:

There shall be a fuel fill provided in a recessed area on the rear of the truck.

Body:

The fire body shall be constructed entirely of steel and designed to fit a Ford 60" CA gas chassis.

The fire body dimensions shall be 119"L x 96"W.

The perimeter of the fire body shall be constructed of a heavy duty 5.0" steel channel.

The fire body cross members shall be constructed of heavy duty 3.0" channel.

The steel cross members shall be located on 12" centers.

The fire body mounting sills shall be constructed of heavy duty 6.0" channel.

There shall be .11 ga." diamond plate covering the entire deck of the fire body.

The diamond plate deck shall be stitch welded to the bottom side of the perimeter extrusions.

Headache Rack:

There shall be a headache rack located at the front of the fire body.

The headache rack shall be constructed of heavy duty 2.0" x 3.0 x .125 tube.

The headache rack shall be approximately 96"W.

The headache rack shall have .14ga. diamond plate covering the lower portion of the headache rack.

There shall be louvers installed to help protect the rear window.

Walkway:

Any Mention of Brand Name Shall be "or Equivalent"

BIDDER
COMPLIES
YES NO

There shall be stepwells provided at the front corners of the fire body.

The stepwells shall be approximately 24"W x 24"D.

There shall be 36"T gates provided at the entrance to the manwells.

A 6" LED light shall be supplied in the stepwells to illuminate the step into the walkway.

The gates shall be held in the closed position by a pneumatic piston and have a positive stop as to not let the gate swing inward.

The gates shall have a .125 steel smooth plate cover.

Rear Apron:

There shall be a 95"W x 10.0"D x .11ga. steel diamond plate apron provided at the rear of the fire body.

Rear Receiver and Step:

There shall be a rear step located centered on the lower section of the rear apron made of smooth plate steel; located to the left and right of the receiver.

There shall be a 2.0" receiver tube with D-Ring provided at the rear of the apparatus, located directly below the rear skirt built into the rear step.

Compartmentation:

L1 Compartment:

There shall be one (1) compartment with hinged down compartment door provided on the driver side deck of the fire body.

The body of the compartment shall be constructed of 11ga. smooth plate.

The dimensions of the compartment shall be 48" L x 18" D x 18" H.

R1 Compartment:

There shall be Two (2) compartments with hinged down compartment door provided on the passenger side deck of the fire body.

The body of the compartment shall be constructed of 11ga. smooth plate.

The dimensions of each compartment shall be 42" L x 18" D x 18" H.

Hose Tray:

Rev. 1

Any Mention of Brand Name Shall be "or Equivalent"

BIDDER
COMPLIES
YES NO

There shall be a hose tray located on top of the passenger's side compartment made of expanded metal. The tray shall measure approximately 84" L x 16" D x 6" H.

The tray shall be enclosed on both ends.

Skid Unit:

The water tank, pump and plumbing shall be mounted on a heavy-duty polypropylene frame to allow for the unit to be removed as a single unit.

The skid unit shall be bolt directly through the bed to the steel frame utilizing heavy duty grade 8 bolts.

Polypropylene Water Tank:

A 300-gallon water tank shall be supplied and shall have a 4" overflow. The construction shall be of co-polymer polypropylene and shall be rectangular shaped. **No Fiberglass! No Exception!**

The tank body and end bulkheads shall be constructed of 0.5" thick, polypropylene tested inside and out.

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 0.5" thick cover shall be recessed .375" from the top of the side walls. Hold down dowels shall extend through and be welded to both the covers and the transverse partitions, providing rigidity during filling operations. Drilled pegs for lifting eyes shall be provided in the top area of the water tank.

The water fill tower shall be 0.5" thick polypropylene stock with a hinged lid and a removable polypropylene screen.

The water fill tower shall be located on the front driver's side of the water tank. A sight glass shall be supplied on the rear passenger's corner of the water tank, so the operator can see the lifeline of water remaining during pumping operations from the rear of the apparatus.

An LED light shall be integrated into the poly tank with controls on the pump panel to illuminate the sight glass to see the water level during nighttime operations.

Two (2) tank mounting tabs shall be provided. One shall be at the front and one at the rear to allow the tank to be fastened to the fire body.

The water tank shall have an overflow tube. The overflow tube shall exit below the body, ahead of the rear wheels.

There shall be hose reel mounting runners located on top of the water tank to allow for mounting of the hose reel.

Fire Pump Plumbing System:

The engine driven fire pump plumbing system shall be built completely of stainless-steel piping, stainless steel and/or brass fittings, and connections.

Tank connections, front discharges, and other piping shall use high-pressure flexible piping. Flexible hose couplings shall be threaded stainless steel or Victaulic connections.

Plumbing shall not be welded for ease of disassembly, no exceptions.

Hose Threads:

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

Intake and Discharge Valves:

All valves used in the plumbing installation shall be Akron Brass quarter turn full flow type valves.

Steel – Industrial valves shall not be used due to rusting.

Hose Reel Discharge(s):

One (1) 1” discharge shall be provided and piped to the redline hose reel with flexible high-pressure hose and a 1" Akron Brass quarter turn full flow type valve will be provided for this connection on manifold.

High Pressure Hose Reel Discharge(s):

One (1) 1” discharge shall be provided and piped to the high pressure hose reel with flexible high-pressure hose and a 1" Akron Brass quarter turn full flow type valve will be provided for this connection on manifold

Whipline Discharge(s):

One (1) whipline discharge shall be supplied and mounted in the walkway area of the apparatus. This discharge shall have a 90-degree swivel to allow firefighting operations to be conducted off the side of the apparatus.

The whipline shall be located centered in the walkway.

Fire Pump to Water Tank bypass Line:

Any Mention of Brand Name Shall be "or Equivalent"

BIDDER
COMPLIES
YES NO

A 1" fire pump to water tank refill and pump bypass cooler line shall be provided. The valve shall be a full flow quarter turn ball valve.

A 1" piping and flex hose will be provided from valve to tank. The valve control shall be directly on the valve.

Water Tank to Pump & Suction:

A 2½" water tank to fire pump line shall be provided with an Akron Brass quarter turn full flow type valve with R1 handle. This connection shall have a push/pull T-handle assembly mounted near the valve at the back of the skid.

Suction will be provided with a full flow 2½" quarter turn ball valve so that while pumping you can also be connecting to an additional water source.

A 2½" chrome plug and chain will be provided at the rear for the suction.

Manifold:

A common 304 stainless steel manifold will be provided for all discharges. The manifold shall be mounted on top of the water tank.

Fire Pump:

A Hale HPX200-B23 pump shall be supplied and mounted to the rear of the skid unit.

Performance

The pump/engine shall be capable of meeting the NFPA 1906 performance rating of 50 GPM @ 150 PSI and 150 GPM @ 100 PSI. Typical pump performance from 5-foot draft at sea level shall be: 90 GPM @ 150 PSI, 170 GPM @ 100 PSI and 250 GPM @ 30 PSI.

Pump

The pump body shall be made of anodized alloy aluminum castings coupled together with a stainless-steel band clamp with an O-ring seal which allows quick pump volute removal for servicing. The pump end shall be factory hydrostatically tested to 300 PSI. The impeller shall be bronze. The renewable clearance rings shall be made of bronze to inhibit galvanic corrosion. The impeller shall be 8.75 inches (222.3 mm) in diameter and designed with a sleeve back end to prevent water from coming in contact with the engine shaft. The pump shaft seal shall be an automatically adjusting, maintenance free, mechanical type. The pump body shall be equipped with a petcock drain valve.

Priming

The pump shall be equipped with an exhaust venturi primer of brass and stainless-steel construction. The primer shall be capable of priming at 13 feet lift. The primer shall be actuated

with a spring return, single control lever located at the operator's panel. The primer to pump line shall be equipped with an automatic check valve for priming from an open body of water and a manual shut -off for pumping from a pressurized water source.

Suction/Discharge

The suction and discharge ports shall be female pipe thread, designed and located to accept applicable hose thread adapters (3" NPT / 4" Victaulic Suction, 2.5" NPT Discharge flange).

Engine

The engine shall be a 4 cycle gasoline Briggs and Stratton Vanguard 386447 series V-Twin, overhead valve, air cooled design. Engine rating shall be 23 BHP at 3600 RPM. Engine displacement shall be 627cc and shall be designed to meet current CARB (California Air Resources Board) and EPA (Environmental Protection Agency) standards. A 12-volt electric system shall be provided with electric starter and a 16-amp alternator. Engine shall be equipped with a residential muffler with USDA approved spark arrestor.

Pump Panel:

A standard pump panel shall be supplied and located in the walkway of the apparatus. The pump panel shall be installed on a tilted pump panel for the ease of visibility.

Pump Panel shall have the following controls:

- Pump Panel Light switch
 - The light shall be covered as to not allow it to shine into the cab.
- Start/Stop switch
- Low oil pressure light
- Pump pressure gauge
- Idle control
- Choke

Fuel Tank:

A heavy-duty aluminum 6-gallon fuel tank shall be supplied and mounted to the skid unit frame. The fuel tank shall have fuel level sight gauge and an overflow tube.

Battery Supply:

The skid unit of the apparatus shall have a heavy-duty separate battery supply to power the unit.

The engine will include a 36-watt alternator to keep separate battery charged.

Pump Test:

The skid unit shall be tested after all its associated piping and valves have been installed on the apparatus. The tests shall be conducted at the manufacturer's facility.

Tank Level Gauge(s):

Water Gauge:

A lighted LED water tank level gauge will be provided on the pump panel for view of lifeline of water during nighttime operations.

A mini lighted tank level gauge will be provided inside cab, so operator is able to view tank water levels from the safety of the cab.

Skid Work Light:

One (1) LED flood/spotlights shall be installed in accordance with customer requirements.

Lights shall be 12v 20W low current draw lights and shall be mounted as follows:

- One (1) on top of the water tank offset the rear, to illuminate the pump and plumbing. This shall be controlled by a single switch on the pump panel.

Features:

- 10- and 60-degree spot and flood
- 2,112 Lumen output ea.
- Black, cast-aluminum housing
- Lifetime Warranty

Hose Reel(s):

Booster Hose Reel:

One (1) Hannay hose reel, model EF-30-23-24-DBL-RT with electric rewind shall be provided with a double mounted roller and spool assembly and a brake to adjust tension on the spool.

The hose reel shall be mounted on top of the poly tank with the capability of pulling the hose off both sides of the apparatus.

High Pressure Hose Reel:

One (1) Hannay hose reel, model EF-1520-17-18 LT with electric rewind shall be provided with a single mounted roller and spool assembly and a brake to adjust tension on the spool.

The hose reel shall be mounted on top of the apparatus body offset to the passenger side with the capability of pulling the hose off the rear of the apparatus.

Hose Reel Electric Rewind:

Three (3) electric rewind push buttons will be installed. The electric rewind controls shall be a weather-resistant enclosed momentary push button switch. Switches shall be installed as follows: One (1) switch at pump panel to control the booster hose reel; One (1) switch on the rear of the driver's side compartment, covered to protect from damage for the booster hose reel. One (1) switch on the reel frame for the high-pressure hose reel.

Hose:

Booster Hose:

150' of 1" booster hose shall be provided for the booster hose reel.

Whipline Hose:

One (1) section of 8' of 1" 800 PSI booster hose shall be provided for the whipline discharge.

High Pressure Hose:

150' of ½" high pressure hose shall be provided for the high-pressure hose reel.

Electrical System:

Low Voltage Electrical System Specifications

The following specifications describe the low voltage electrical system on the specified brush truck type fire apparatus. The electrical system shall include all panels, electrical components, switches, and relays, wiring harnesses and other electrical components.

All 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 in all wiring from the power source to the using device shall not exceed 10 percent. The wiring and 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. All exposed wiring shall be run in a loom with a minimum 289-degree Fahrenheit rating. All wiring looms shall be properly supported and attached to body members. The electrical conductors shall be constructed in accordance with applicable SAE standards, except when good engineering practice requires special construction.

The wiring connections and terminations shall use a method that provides a positive mechanical and electrical connection and shall be installed in accordance with the device manufacturer's instructions. Electrical connections shall be with mechanical type fasteners and large rubber grommets where wiring passes through metal panels.

All connections shall be crimp-type to resist moisture and foreign debris such as grease and road grime. Weather-resistant connectors shall be provided throughout to ensure the integrity of the electrical system.

Any Mention of Brand Name Shall be "or Equivalent"

BIDDER
COMPLIES
YES NO

Any electrical junction or terminal boxes shall be weather resistant and located away from water spray conditions.

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

The electrical system shall include the following:

- A) The electrical wiring shall be harnessed or be placed in a protective loom.
- B) No holes shall be made in the roof of chassis, unless approved by end user.
- C) Any electrical component that is installed in an exposed area shall be mounted in a manner that will not allow moisture to accumulate in it.

Breaker:

A 100-amp breaker shall be supplied and located near the master disconnect switch that will prevent potential upfitter electrical issues from affecting chassis battery system.

Electronic Siren:

One (1) Carson 409 Commander full function electronic siren shall be mounted in the cab console. The siren shall have the following features: electronic air horn, siren tones, radio rebroadcast, P.A. and shall have a hard-wired microphone.

Features:

- 100/200-Watt SAE J1849 and Class A output
- Internal programmable siren functions
- Four Position progressive slide switch
- Six backlit and rubberized relay push-button switches
- Scrolling TAP II intersection clearing feature

Speaker:

One (1) Federal Signal ES100, 100-watt speaker shall be mounted behind the front of the chassis bumper or grille. The speaker shall be wired to the electronic siren located in the cab.

Features:

- Neo-driver for increased dependability
- 100-Watt high output power
- Sound output meets SAE J1849 and Class A
- Impedance of 11 ohms

Back-up Alarm:

Any Mention of Brand Name Shall be "or Equivalent"

BIDDER
COMPLIES
YES NO

An automatic electric 97 dB back-up alarm shall be wired to activate when the transmission is placed into reverse. The alarm shall be mounted under the rear of the apparatus body.

Radio:

A customer supplied radio shall be supplied and installed.

A power cable shall be provided in the cab console for the customer supplied radio. Radio Faceplates shall be provided and installed.

Note: Make and model of supplied radios are needed at pre-build.

Antenna:

Antenna wiring with mounting "L" bracket shall be supplied and ran to the driver's side light bar mounting platform. The Antenna shall be customer supplied.

Communication System:

A wireless Firecom communication system with two (2) under the helmet wireless headsets, digital intercom with interface cable and base station shall be installed in the cab console.

Lighting:

Compartment Light(s):

Each compartment shall be provided with two (2) LED vertically mounted lights.

The compartment lights shall be installed one (1) on each side of the compartment door opening with the light actuation controlled with the upfitter switches in the cab.

Headache Rack Light(s):

Two (2) LED flood lights shall be supplied and mounted with one (1) on each side of the headache rack, facing outwards. Controls for these light shall be on the pump panel.

Ground Light(s):

Five (5) LED strip lights shall be supplied to illuminate the walking surfaces and the ground surfaces around the apparatus. The lights shall be installed as follows:

- One (1) 6" LED light under each cab door
- Two (2) 6" LED lights under the rear of the apparatus, with one (1) each side
- One (1) 12" LED light in the walkway to illuminate the walking surface.

License Plate Light:

A license plate light and bracket shall be supplied and mounted to the rear of the apparatus.

Scene Lighting:

Bumper Light(s):

One (1) 75-watt 15 LED High Intensity 20" single row light bar shall be supplied. The flood lights shall be provided at the following locations:

- One (1) mounted on the grille guard on the upper section. Light shall be operated by upfitter switch in the cab.

Features:

- 7290 Lumens
- Flood pattern
- Lifetime Warranty
- Durable aluminum extrusion housing

Switch(es):

Master Disconnect Switch:

A battery disconnect switch shall be located on the floor board of driver's side, below driver's seat area. The switch shall disconnect the upfitter conversion from the 12-volt battery system.

Emergency Lighting:

The warning lights shall be switched in the chassis cab with labeled switching in the cab console. A single warning light switch shall activate all required warning lights. This switch will allow the vehicle to respond to an emergency and call for the right of way.

All electrical equipment switches shall be mounted on a switch panel mounted in the cab convenient to the operator and passenger.

Upper Warning Lights:

Light Bar:

A TOMAR 970L Scorpion 53" red/white LED low profile light bar shall be supplied. The light bar shall have clear lenses to the front and to the rear and will be mounted on the headache rack mounting platform.

Features:

- White flood lights to the front with switching in the cab
- Alley Lights
- NFPA 1901 Compliant

Any Mention of Brand Name Shall be "or Equivalent"

BIDDER
COMPLIES

YES NO

- Variety of selectable flash patterns
- Hermetically sealed

Lower Warning Lights:

Twelve (12) Tomar RECT-14 LED Warning lights shall be provided. These warning lights have eleven (11) different flash patterns to customize to department specifications.

Warning Lights shall be installed as follows:

- Four (4) Red/White LEDs on the front grille guard with Two (2) each side
- Two (2) Red/White LEDs on apparatus chassis with one (1) each side above the front wheel well area.
- Two (2) Red/White on the apparatus body located over the rear wheel well area.
- Four (4) Red/White LEDs on the rear of the apparatus with Two (2) each side

Features:

- Four (4) Ultra-High intensity LEDs
- Multiple selectable flash patterns
- Made of optical Lexan and hermetically sealed
- Meets SAE J845, SAE J595 and CAL Title 13
- Five-year manufacturer's warranty.

D.O.T Lighting:

The 12-volt lighting on the brush truck body shall conform to FMVSS 108 standards. All DOT lighting shall be LED type.

Clearance:

There shall be a minimum of five (5) red clearance lights on the rear of the truck (three (3) in the rear center and one on each outside corner of the rear apparatus bed).

One (1) red clearance light shall be on each side rear corner and one (1) amber clearance light on each front side corner.

Signal, Brake and Reverse:

The rear shall also contain a minimum of two (2) each Stop/Turn/Taillights and two (2) clear reverse lights. These lights shall be oval, flush mounted lights.

Label(s):

Fastened labels shall be supplied and mounted in accordance with their function:

Any Mention of Brand Name Shall be "or Equivalent"

BIDDER
COMPLIES

YES NO

On each walkway entrance door shall have a label that states "All personnel must be seated in cab with seatbelt fastened while vehicle is in motion. Riding elsewhere may cause serious injury or death"

All appropriate switches inside the cab shall be properly labeled with their function.

All appropriate valves on the pump panel shall have a corresponding function label.

Loose Equipment:

The following loose equipment shall be supplied with the apparatus:

Nozzle(s):

1" Nozzle:

One (1) Crestar SF-40 select flow nozzles with pistol grip handles and bell shut off shall be supplied.

Features:

- Selectable gallonage nozzle with multiple flow settings
- Stainless steel spinning teeth
- Straight stream to wide fog and flush without shutting down
- Metal horseshoe handle
- 100 psi (7.0 BAR) standard
- NFPA 1964 compliant

1" Smoothbore:

One (1) 1" pistol grip nozzle with a 3/8" smoothbore tip shall be supplied.

High Pressure Wand:

One (1) high pressure spray wand with pistol grip nozzle shall be supplied for the high-pressure hose reel.

Nozzle(s) Bracket:

Two (2) nozzle brackets shall be supplied to allow the stowage of the pre-connected nozzles.

Two (2) brackets for the high-pressure nozzle.

Misc Equipment:

- Two (2) 5' D-Handle Trash Hooks
- One (1) triple holder spanner/wrench set with mounting bracket

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COMPLIES

YES NO

- One (1) 2.5" Gate Valve
- Two (2) 2.5" Storz x 2.5" Male NST
- Two (2) 2.5" Double Female
- Two (2) 2.5" Double Male
- Three (3) PAC 1004 Brackets

Scotchlite Striping & Lettering:

Cab and Body:

The apparatus cab and body shall be provided with a reflective Scotchlite stripe along the bottom section of the cab doors and along the side of the apparatus body. Color to be determined at prebuild meeting.

The front bumper shall have two (2) vertical color reflective Scotchlite stripes.

Lettering:

Reflective Scotchlite lettering with shading will be installed and colors to be determined at prebuild meeting.

Lettering will consist of a Brush Unit # located on the side front fender wells, and the department's door shield on both front cab doors.

Note: Non-reflective engine turn gold can also be substituted in place of reflective Scotchlite lettering at the department's discretion.

Rear Body:

Chevron "A" style Scotchlite striping shall be provided on the rear receiver hitch only.

The colors shall be White/ Red diamond grade.

Apparatus Paint:

Cab and Chassis:

The apparatus cab and chassis shall be painted in accordance with the policies with the chassis manufacturer with all applicable warranties. The color of the cab shall be Ford Red.

Apparatus Body:

The apparatus body shall have a black protective coating. The walkway doors and the rear apron shall be painted black to allow for graphics.

Compartment(s):

The exterior of the compartments shall have a black protective coating.

Warranty:

1 Year Standard Warranty:

The apparatus manufacturer shall provide a full 1-year standard warranty. All components manufactured by the apparatus manufacturer shall be covered against defects in materials or workmanship for a 1-year period. All components covered by separate suppliers such as engines, transmissions, tires, and batteries shall maintain the warranty as provided by the component supplier. A copy of the warranty document shall be provided with the proposal. No Exceptions

2 Year Pump Warranty:

Pump manufacturer shall warranty products of its manufacture to be free from defects in material and workmanship, under normal use and service, for a period of two years or 2000 hours of usage, whichever comes first. Products used for rental or contracting purposes are warranted for a period of six months or 2000 hours of usage, whichever comes first. This limited warranty is effective only if the equipment or apparatus is used as directed, is not subjected to misuse, negligence, or accident, and is not altered, treated, or repaired by someone other than pump manufacturer or its designee. A copy of the warranty document shall be provided with the proposal. No Exceptions

10 Year 100,000 Mile Structural Warranty:

The apparatus manufacturer shall provide a comprehensive 10 year/100,000-mile structural warranty. This warranty shall cover all structural components of the cab and/or body manufactured by the apparatus manufacturer against defects in materials or workmanship for 10 years or 100,000 miles, whichever occurs first. Excluded from this warranty are all hardware, mechanical items, electrical items, or paint finishes. A copy of the warranty document shall be provided with the proposal. No Exceptions

10 Year Stainless Steel Plumbing Warranty:

The apparatus manufacturer shall provide a full 10-year stainless steel plumbing components warranty. This warranty shall cover defects in materials or workmanship of apparatus manufacturer designed foam/water plumbing system stainless steel components for 10 years. A copy of the warranty document shall be provided with the proposal. No Exceptions

3 Year Graphics Warranty:

The apparatus manufacturer shall provide a full 3-Graphics warranty. This warranty shall cover defects in materials or workmanship of apparatus manufacturer's graphic components for 3 years. A copy of the warranty document shall be provided with the proposal. No Exceptions

5 Year Electrical Warranty:

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BIDDER
COMPLIES

YES NO

The apparatus manufacturer shall provide a full 5 year-electrical warranty. This warranty shall cover defects in materials or workmanship of apparatus manufacturer's electrical components for 5 years. A copy of the warranty document shall be provided with the proposal. No Exceptions

Lifetime Polypropylene Tank Warranty:

The tank manufacturer warranties that tanks will be free from defects in materials and workmanship for a period equal to the service life of the original vehicle on which tank was installed. Original vehicle must be in active fire suppression for warranty to be in full effect. A copy of the warranty document shall be provided with the proposal. No Exceptions.

Optional Equipment:

Rear View Camera:

A rearview camera system shall be supplied.

The screen shall be a windshield-mounted rearview mirror with an integrated 7" LCD monitor that displays the rear-view image when the apparatus is shifted into reverse. The monitor shall automatically adjust in day and night modes and shall have a resolution of 800*480 pixels.

The camera shall be a high-mounted, wide-angle look-down camera with 150-degree visibility and night vision capabilities.

Price:.....\$ _____

Thermal Imaging Camera:

A vehicle mounted driver vision enhancement thermal imaging camera shall be supplied and mounted to the apparatus. The camera shall allow for thermal imaging to be routed through the review mirror monitor.

Features:

- 56 deg- horizontal field of view
- Made of stainless-steel construction
- Provides NTSC video

Price:.....\$ _____

S.A. & I. 425 (2000)

AFFIDAVIT FOR FILING WITH COMPETITIVE BID

State of Oklahoma) SS

County of Kingfisher)

_____, lawful age, being first duly sworn, on oath says, that (s)he is the agent authorized by the bidder to submit the attached bid. Affiant further states that the bidder has not been a party to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding; or with any county official or employee as to quantity, quality or price in the prospective contract, or any other terms of said prospective contract; or in any discussions between bidders and any county official concerning exchange of money or other thing of value for special consideration in the letting of contract.

Bidder:

Name:

Address:

Phone Number:

Signature

Subscribed and sworn to before me the _____ day of _____, 20_____.

Notary Public (or Clerk or Judge)

My commission expires: _____

Note:

Each competitive bid submitted to a county, school district or municipality must be accompanied with the above Affidavit as required by 61 Okla. St. Ann. 138