

Pittsburg County, Oklahoma
COUNTY PURCHASING OFFICE
 Pittsburg County Court House
 McAlester, Oklahoma
 Phone: (918) 423-4934

INVITATION TO BID

PLEASE REVIEW TERMS AND CONDITIONS ON REVERSE SIDE RELATING TO SUBMISSION OF THIS BID.

Notarized Affidavit completions and signature required on reverse side.

DATE ISSUED	18-Mar-13
PAGE 1 OF _____	

BID NUMBER Bid # 20	BID CLOSING DATE AND HOUR April 1, 2013 @ 10:00AM	REQUIRED DELIVERY DATE <small>Days after award of Purchase Order</small>
TERMS:		DATE OF DELIVERY:

Item	Quantity	Unit of issue	DESCRIPTION	Unit Price	Total
			Board of County Commissioners Pittsburg County wishes to advertise for the following for the Indianola Volunteer Fire Department: One (1) Ton Brush Truck See specifications attached		

TERMS AND CONDITIONS

1. Sealed bids will be opened in the Commissioner's Conference Room, Pittsburg County Courthouse, McAlester, Oklahoma, at the time and date shown on the invitation to bid form.
2. Late bids will not be considered. Bids must be received in sealed envelopes (one to an envelope) with bid number and closing date written on the outside of the envelope.
3. Unit prices will be guaranteed correct by the bidder.
4. Firm prices will be F.O.B. destination.
5. Purchases by Pittsburg County, Oklahoma, are not subject to state or federal taxes.
6. This bid is submitted as a legal offer and any bid when accepted by the County constitutes a firm contract.
7. Oklahoma laws require each bidder submitting a bid to a county for goods or services to furnish a notarized sworn statement of non-collusion. A form is supplied below.
8. Bids will be firm until delivered

(DATE)

AFFIDAVIT: I, the undersigned, of lawful age, being first duly sworn on oath say that he (she) is the agent authorized by the bidder to submit the above 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 state 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 state official concerning exchange of money or other thing of value for special consideration in the letting of a contract; that the bidder/contractor has not paid, given or donated or agreed to pay, give or donate to any officer or employee of the State of Oklahoma (or other entity) any money or other thing of value, either directly or indirectly in the procuring of the award of a contract pursuant to this bid.

Subscribed and sworn before this _____ day
of _____ 2011 _____ (seal)

Firm: _____

My commission expires _____ Signed by: _____ Title: _____

(MANUAL SIGNATURE OF UNDERSIGNED)

NOTARY PUBLIC (CLERK OR JUDGE) Address: _____ Phone: _____

City: _____ State _____

Zip _____

NOTE: Other terms and conditions can be added at the discretion of the county officers.

RESOLUTION
To
Advertise

The Board of County Commissioners, Pittsburg County, met in regular session on Monday, March 18, 2013.

WHEREAS, the Board of County Commissioners, Pittsburg County, wishes to advertise for the following for the Indianola Volunteer Fire Department:

One (1) Ton Brush Truck

A bid package containing complete specifications and an "Invitation to Bid" are available at the Pittsburg County Clerk's Office, 115 E. Carl Albert Parkway, Room 103, McAlester, OK 74501

THEREFORE, each competitive bid submitted to the County must be accompanied with an affidavit for filing with the competitive bid form, as required by 61 O.S. § 138.

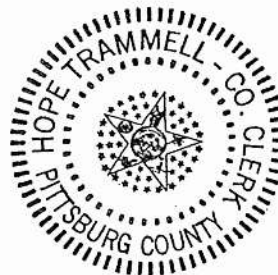
Sealed bids will be received and filed with the Pittsburg County Clerk and opened on Monday, April 1, 2013 at 10:00 a.m. in the Board of County Commissioners Conference Room, Pittsburg County Courthouse, 115 E. Carl Albert Parkway, McAlester, OK. Contract will be awarded to the lowest or best bidder. The Board of County Commissioners, reserves the right to reject all bids and re-advertise.

BOARD OF COUNTY COMMISSIONERS
PITTSBURG COUNTY, OKLAHOMA


Chairman


Member


Member



ATTEST:


County Clerk

SPECS FOR 1 TON BRUSH TRUCK

INDIANOLA FIRE DEPARTMENT

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Service Requirements

Each bidder shall supply, with their proposal, detailed information on the bidder's ability to perform routine and emergency service on the apparatus after delivery. Detailed information shall be provided on service facilities, personnel, service vehicles, and the type and nature of repair work the bidder is able to provide. Bidder shall have a full service repair facility located within the State of Oklahoma, No Exceptions. It is the intent of the Purchaser to assure that parts and service are readily available for the equipment specified. Service capabilities will be one of the criteria for award of this contract.

Oklahoma Motor Vehicle License

Each manufacturer, dealer, and sales person must furnish a copy of their Oklahoma Motor Vehicle Commission License NO EXCEPTIONS. This is an Oklahoma Law and must be furnished.

Proposal Price

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

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 for the County. 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 in a position to render prompt and proper service and to furnish replacement parts for the apparatus.

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 photo copies and submits these specifications as their own construction details will be considered non-responsive and shall render their proposal ineligible for award. **NO EXCEPTION.**

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.

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.

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 at the purchaser's location.

(Pump test) The fire pump shall be tested after all of its associated piping and valves have been installed on the apparatus. The tests shall be conducted at the manufacturer's facility and certified by the manufacturer.

(Cab & Chassis) The chassis shall be a 2013 Ford F350 4X4 regular cab chassis with XL trim or equivalent. The cab to axle is 60" with a 141" wheelbase. The chassis will have a 6.2L V8 gas Triton or equivalent, with 6 speed automatic transmission and dual rear wheels. The GVWR minimum is 13,000#. Chassis shall have heat & air with a 40/20/40 vinyl split front seat and a rear sliding glass. All terrain tires shall be supplied on all wheels with a limited slip rear axle at a gear ratio of 4.30 with all standard equipment applied to chassis. NOTE: Chassis is due upon receipt at local Ford Dealer. Upon payment MSO will be provided. Total amount due \$.....

Grille Guard/Brush Guard

A black front Grille Guard/Brush Guard will be provided on the front of the chassis.

Winch Systems

A 12K WARN Tabor or equivalent winch system with kit will be supplied.

Nerf/Step bars & Skid Plate

A black set of nerf/step bars or equivalent will be provided on each side of the chassis entrance with a bolt on skid plate between nerf/step bars to cover transmission and transfer case.

Cab Console

A Jotto electrical console and enclosure or equivalent 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 under the dash & to the floor board. Note: A CM300 Motorola radio or equivalent with narrow banding will be provided and installed console. An antenna will be mounted on the headache rack for radio.

Body

The apparatus body shall be of the flatbed design, and be constructed of all welded steel. The body shall be custom designed for use in the fire service, and shall incorporate the latest design & construction techniques. The body shall be built of all steel diamond plate & expanded metal on all walk-way surfaces. Six (6) cross braces will run from one side to the other for unmatched strength. The body will be mounted on 5 inch steel channel.

Flatbed dimensions shall be approximately 92" wide x 111" long. All cross members shall be 3" C-channel and there shall be a minimum of six (6) cross members. There will be approximately a 52" X 20" walkway across substructure frame and a 20" X 20" X 20" stand-up area on each front corner of the body.

The floor of the flatbed shall be constructed of 1/8" diamond plate for non-slip surface. The floor shall be welded to the cross members with a full framing effect.

The rear skirt of the apparatus shall be constructed of 1/8" diamond plate. The rear skirt shall be welded to steel angles that are welded to the rear framing of the flatbed body. A rear drop down C-channel hitch with ball placement will be provided and framed into body. A rear fold down step will be provided on driver's side corner for access to top of body.

The headache rack of the flatbed body shall be constructed of 2" x 3" heavy wall steel tubing, and shall be recessed into the framing of the flatbed body. Two (2) vertical braces will be provided across headache rack and welded to three (3) louvers covering rear window. Lower base section of headache rack shall be covered with 12 gauge smooth plate for a super structure kick plate. This design shall allow for maximum strength of the headache rack. The headache rack / roll bar system shall be of the same contour of cab with louvers to protect the rear window glass from firefighting operations. The headache rack shall have mounting bracket out over top of cab to mount a lightbar and radio antenna.

A walk down railing will be provided on each side of body starting just behind stand-up areas and follow to the back of body rear corner. This railing will measure approximately 36" tall measured from top surface of body to top of rail and made from 1 1/2" X 1 1/2" heavy wall steel tubing.

There shall be Two (2) steel compartment mounted on driver side. The compartment shall be made of 1/8" steel plate and all non-formed edges shall be welded. The door shall be drop down with a weather-proof seal preventing water leakage into the compartment. A locking latch shall be provided to secure the door. All hardware shall be stainless steel. Each compartment dimensions shall be 48" long, 18" tall, and 18" deep.

There shall be Two (2) steel compartment mounted on passenger side. The compartment shall be made of 1/8" steel plate and all non-formed edges shall be welded. The door shall be drop down with a weather-proof seal preventing water leakage into the compartment. A locking latch shall be provided to secure the door. All hardware shall be stainless steel. Each compartment dimensions shall be 48" long, 18" tall, and 18" deep.

A steel compartment will be provided under the body between frame rails of chassis. The compartment will be up to approximately 110" deep x 30" wide x 5" tall with a hinge up steel door and slam latch. This compartment can be used to store ladders, pike poles, hard suction hose and other misc. equipment.

A high tensile strength chain will be provided across stand-up areas with a steel clasp that's easy to use with a gloved hand to lock or unlock.

The body will be provided with mudflaps behind each rear wheel and a fuel fill on top of body on driver's side rear corner.

Complete body will have line-x on top, sides, front, rear, chain and upper compartment for durability.

300 Gallon Water Tank

A 300 gallon water tank shall be supplied and measure approximately 50" long x 50" wide x 35½" tall. The tank shall have a 3" 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 1/2" thick, polypropylene, nitrogen-welded and tested inside and out. 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 ½" 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 provided of 1/2" thick polypropylene, with a hinged lid and a removable polypropylene screen and provided above tank on driver's side front corner. The size of the fill tower will be 12" x 8" The overflow tube shall be installed in the fill tower and piped with schedule 40 and provided thru body to the ground with a flexible rubber hose.

The tank shall be bolted down at the front and rear thru tank straps. Two (2) safety straps shall be provided down both sides and across top of tank and bolted to body for added safety.

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 Victraulic connections.

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 stainless steel or brass quarter turn full flow type valves

Fire Pump to Water Tank bypass Line

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. A permanent 3/8" cooler line will be provided so that as long as water is in the tank, the pump will not overheat.

Water Tank to Pump & Suction

A 2½" water tank to fire pump line shall be provided with a full flow 2½" quarter turn ball valve, 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.

The line shall be flow tested during the fire pump testing to insure safety to firefighters.

Fire Pump

The fire pump shall be a Hale HPX200-B23 or equivalent with electric start and exhaust primer. This pump will have a rear mount control panel. The pump will be mounted at the rear of the water tank. The unit shall have a Briggs & Stratton 23 horsepower gasoline engine and plumbed to the chassis fuel tank.

The fire pump shall be equipped with an electric starting system, with the skid unit powered off the chassis. A heavy duty separate battery supply will be provided as a back-up. The engine will include a 36 watt alternator to keep separate battery charged.

The pump panel shall be separate for the fire pump and plumbing area. All of the valves will be mounted at their discharge location.

- Light switch
- Start and stop switch
- Low oil pressure light
- Pressure gauge
- Engine controls

The plumbing system shall be of all stainless steel with Victaulic type couplings when needed between the plumbing and the fire pump. The primer shall be an exhaust type, with controls at pump panel area.

Manifold

A rear mounted common stainless steel manifold will be provided for all discharges.

Walkway Area Discharge

One (1) 1" discharge shall be provided and piped to walkway area, with a 90 degree swivel. A 1" Stainless steel valve or equivalent will be provided for connection. The valve will be mounted on manifold.

Hose Reel Discharge

One (1) 1" discharge shall be provided and piped to the hose reel with flexible high pressure hose and a 1" Stainless steel valve or equivalent will be provided for this connection on manifold.

Booster Hose Reel

One (1) Hannay 4000 series hose reel or equivalent model EF4038-17-18 with electric rewind will be provided and placement shall be on top of tank. The reel will be provided with 150' of 3/4" 800psi booster hose. A dual roller and spool assembly will be provided with a brake to adjust tension on spool.

Hose Reel Electric Rewind

Two (2) electric rewind push buttons will be installed. The electric rewind control shall be a weather-resistant enclosed momentary push button switch. One (1) switch on each side of body with a full metal brush guard to protect switch.

Spare Discharge

A 1" spare discharge will be provided off manifold. A stainless steel valve or equivalent will be provided for this connection.

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 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 to ensure the integrity of the electrical system.

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. The wiring shall be secured in place and protected against heat, liquid contaminants and damage.

The electrical circuits shall be provided with low voltage overcurrent protective devices. Such devices shall be accessible and located in required terminal connection locations or weather resistant enclosures. The overcurrent protection shall be suitable for electrical equipment and shall be automatic reset type 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. The system shall have electro-magnetic interference suppression provided as required in applicable SAE standards.

The electrical system shall include the following:

- a) Electrical terminals in weather exposed areas shall have a non-conductive grease or spray applied. A corrosion preventative compound shall be applicable to all terminal plugs located outside of the cab or body.
- b) The electrical wiring shall be harnessed or be placed in a protective loom.
- c) Heat shrink material and sealed connectors shall be used to protect exposed connections.
- d) No Holes shall be made in the roof of chassis (No Exception).
- e) 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.
- f) All lights that have their sockets in a weather exposed area shall have corrosion preventative compound added to the socket terminal area.

The warning lights shall be switched in the chassis cab with labeled switching in an accessible location. Individual push button switches shall be provided only for warning lights provided over the minimum level of warning lights in either the stationary or moving modes. All electrical equipment switches shall be mounted on a switch panel mounted in the cab convenient to the operator and passenger. The warning light switches shall be of the push type. For easy nighttime operation, an integral indicator light shall be provided to indicate when the circuit is energized. All switches shall be appropriately identified as to their function.

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.

Light Bar

Signal Interceptor model 8400H or equivalent, 46" minimum halogen light bar that includes half red and half blue lenses to the front and to the rear will be provided upon the headache rack out over top of cab.

Lower Rear Halogen Warning Lights

Two (2) Federal Signal model RHK910 halogen lights or equivalent shall be provided and installed with durable bezels.
Light color shall be one (1) red and one (1) blue and mounted on the rear of skid frame.

Federal Electronic Siren or equivalent

One(1) Federal Signal PA-640 or equivalent full function electronic siren shall be mounted in the cab. The siren shall have the following features: electronic air horn, wail, yelp, hi-lo, radio rebroadcast, P.A. and shall have a hard wired microphone.

(Speaker) A Federal Signal model #ES100 watt speaker or equivalent 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.

(DOT Lighting Package) The 12 volt lighting on the brush truck body shall conform to DOT standards. Incandescent lighting shall be used.

(Work Lights) A work light shall be installed on the rear of the skid to illuminate pump area.

(License Plate Light & Bracket) There shall be a license plate mount with light supplied at the rear of the apparatus.

(Master Disconnect Switch) A battery disconnect switch shall be located conveniently to the driver of the apparatus. The switch shall disconnect the 12 volt power supply from the battery system.

(Backup Alarm) An automatic electric back-up alarm shall be wired to the back-up light circuit and mounted under the rear of the apparatus body.

(Lettering)Scotchlite or equivalent lettering with shading will be installed to County requirements and colors to be determined at pre build meeting.

(Scotchlite Striping) The apparatus cab and body shall be provided with orange scotchlite striping with black outline installed to County requirements and colors to be determined at pre build meeting.

(Nozzles) 1" Nozzles.....one(1) Crestar SF-40 1" nozzle or equivalent will be provided as follows: One(1) for hose reel. Nozzle will consist of a pistol grip with bell shut off and adjustable gallonage from 5gmp, 10gpm, 24gpm and 40gpm with a flush mode without shutting down nozzle. A rubber bumper will be provided on the front of nozzle to allow precise control of water pattern in all positions.

(Fire Extinguishers) One (1) 20lb. fire extinguisher with bracket will be provided and mounted in walkway area on drivers side of body just behindstand-up area

BIDDER
COMPLIES

YES

NO

One (1) 10 Lb. ABC fire extinguisher with bracket will be provided and mounted in walkway area on drivers side of body just behind stand-up area.

Fold Down Step

One fold down step will be provided and mounted on the rear apron on driver's side.

Total of one (1) complete apparatus with chassis:\$