



INVITATION FOR SEALED BID

BID 01-304

Description: GRASS RIG TANK, PUMP, SKID & EQUIPMENT

Department: FIRE

NIGP Commodity Code(s): 720-27-00-000-0

Total pages including this page is 19

NOTE: FAXING OF BID WILL NOT BE ACCEPTED

Important Instruction - Read Carefully:

**If you have obtained these bid specifications from either of:
City of Tulsa's Fax-on-Demand (918-596-1171) or
City of Tulsa's Website : www.cityoftulsapurchasing.org**

**you must notify the buyer LARRY HOOD of your intent to bid by
e-mail lhood@ci.tulsa.ok.us in order to receive addenda. The buyer
will always acknowledge your e-mail for your records. All addenda
will be posted on fax-on-demand and the website.**

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Pay special attention to those pages with a reference to the following notes:

Note #1: Signature of an authorized agent required

Note #2: Signature of an authorized agent and notary required

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Your bid response should follow the same format listed above plus any additional format requested in the body of the bid invitation.

**INVITATION FOR SEALED BIDS
TO
City of Tulsa**

200 CIVIC CENTER, ROOM 109, TULSA, OKLAHOMA 74103

Bid number and date of bid opening must appear on the lower
left outside corner of bid envelopes and all related containers.

DATE OF OPENING: November 29, 2001

BID NUMBER: 01- 304

BID MUST BE IN THE CITY CLERK'S OFFICE AT THE ABOVE ADDRESS BY 5:00 P.M. THE DAY PRECEDING THE "DATE OF OPENING" SHOWN ABOVE.

BIDS WILL BE OPENED AT 8:30 A.M. IN THE CITY COUNCIL ROOM ON THE DAY SPECIFIED UNDER "DATE OF OPENING."

PUBLISHED IN THE TULSA DAILY COMMERCE AND LEGAL NEWS: October 29, 30, 31 & November 1 & 2, 2001

Bid must be accompanied by bidder's bond, cashier's check or certified check in the amount of: \$1,000.00

PLEASE READ TERMS AND CONDITIONS ON THE NEXT PAGE BEFORE COMPLETING BID DOCUMENTS

***** **THE FOLLOWING SECTION MUST BE COMPLETED BY BIDDER** *****

Delivery will be made in not more than _____ days after receipt of order.

Payment terms _____ % _____ days.

City of Tulsa may increase quantity of order at the unit price bid for _____ days. (Bidder to Specify Days)
I have examined the terms and specifications and the instructions to bidders herein and agree, provided I am awarded a contract, to provide the above described items for the sum shown in accordance with the terms and specifications stated herein. All deviations are in writing and attached hereto.

Enclosed is a [] BID BOND ; [] CASHIER'S CHECK; [] Certified Check in the amount of \$ _____, which I agree the City of Tulsa may retain as liquidated damages in the event of my failure to comply with the terms of this bid.

MUST BE SIGNED BY AUTHORIZED AGENT TO BE VALID

FIRM NAME _____ by _____

STREET _____ TITLE _____

CITY STATE _____ ZIP CODE _____ PHONE NUMBER _____ DATE _____

GENERAL TERMS AND CONDITIONS OF SEALED BIDS

THESE ITEMS APPLY TO AND BECOME A PART OF THE BID.

NO EXCEPTIONS TO THESE TERMS & CONDITIONS WILL BE CONSIDERED.

1. **BIDS MUST BE SUBMITTED ON THIS FORM ONLY INCLUDING A SIGNATURE OF AN AUTHORIZED AGENT.** Each bid shall be placed in a separate envelope. Be sure envelope is completely and properly identified and sealed, showing the bid number and date in the lower left hand corner. Bids must be time stamped in the office of the City Clerk by 5:00 P.M. on the day before date of opening.
2. No bidder may withdraw his proposal for a period of thirty (30) days after the date and hour set for the opening of bids.
3. All prices shall be quoted F.O.B. Tulsa, Oklahoma, and delivery to City of Tulsa location shall be without additional charge.
4. The bidder shall attach the manufacturer's name of the equipment or material to be furnished, type, model numbers, manufacturer's descriptive bulletins and specifications. All guarantees and warranties should be clearly stated. This data shall be in sufficient detail to describe accurately the equipment or material to be furnished. Manufacturer's specifications, in respect to the successful bidder, shall be considered as part of his contract with the City of Tulsa.
5. The bidder shall show in the proposal both the unit prices and total amount, where required, of each item listed. In the event of error or discrepancy in the mathematics, the unit prices shall prevail.
6. Any exceptions or deviations from written specifications shall be shown in writing and attached to the bid form.
7. Each bidder agrees to comply with the terms of Title 5, Chapter 1, of Tulsa, Oklahoma Charter and revised ordinances relating to equal employment opportunity.
8. **THE ENCLOSED FORMS REGARDING NON-COLLUSION AND FINANCIAL INTEREST MUST BE SIGNED, NOTARIZED, AND RETURNED WITH THE BID.**
9. The City of Tulsa reserves the right to reject any and all bids, to waive any technicalities in the bidding, and to award each item to different bidders or all items to a single bidder.
10. All bids must be accompanied by bidders bond, cash, certified or cashier's check in the amount shown on the face of the bid form. This amount shall be retained by the City of Tulsa as liquidated damages in the event the successful bidder (or bidders) fails to execute a contract, if required. The bidder agrees that said amount is presumed to be the damages sustained by the City due to the impracticability and extreme difficulty in fixing the actual damages. The office of the City Clerk will return the bid deposits to the unsuccessful bidders, after a contract has been awarded or all bids have been rejected.
11. In the event cash discounts are offered by the bidder, the discount date shall begin with the date of invoice, the date of receipt of all material covered by the purchase order, or the date of receipt by the City of Tulsa of the original copy of the purchase order with properly executed Affidavit of Claimant, whichever is the later date.
12. Direct purchase of certain items of equipment or material by the City of Tulsa are exempt from Federal Excise Tax and Oklahoma Sales Tax. In such cases the bidder shall quote prices which do not include Federal Excise Tax and Oklahoma Sales Tax. The City of Tulsa will furnish executed exemption certificates upon presentation by the bidder at the time of purchase.
13. Bid must show number of days required for delivery under normal conditions. Failure to state delivery time obligates bidder to complete delivery in fourteen (14) calendar days. Unrealistically short or long delivery promises may cause bid to be disregarded. Contractor must keep Purchasing Department advised at all times of status of order. Default in promised delivery or failure to meet specifications authorizes the Purchasing Agent to purchase supplies elsewhere and charge full increase of cost and handling to defaulting contractor. Consistent failure to meet delivery promises without valid reason may cause removal from bid list.
14. Bidder agrees to defend and save City of Tulsa from and against all demands, claims, suits, costs, expenses, damages and judgments based upon infringement of any patent relating to goods specified in this order or the ordinary use or operation of such goods by City or use or operation of such goods in accordance with bidders direction.
15. If the bid requires a written contract, the successful bidder shall execute a written contract with the City of Tulsa and return the required bonds and insurance certificates within ten (10) days after submission of contracts to said bidder by the City.

INTEREST AFFIDAVIT

STATE OF _____ }
 } ss
COUNTY OF _____ }

_____, of lawful age, being first duly sworn, states that s(he) is the agent authorized by the bidder to submit the attached bid. Affiant further states that no officer or employee of the City of Tulsa either directly or indirectly, owns a twenty-five percent (25%) interest in the bidder's business or such a percentage which constitutes a controlling interest. Affiant further states that the following officers and/or employees of the City of Tulsa have some direct or indirect interest in the bidder's business:

By _____
(Signature)

(Title)

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

NOTARY PUBLIC SIGNATURE

My Commission Expires:

The Interest Affidavit must be completed, signed by an authorized agent, and notarized.

BIDDER AFFIDAVIT - TITLE 74 O.S. (1974 SUPP.) 85.22-85.25

STATE OF _____ COUNTY OF _____

_____, of lawful age, being first duly sworn on oath says
Authorized Agent

1. (s)he is the duly authorized agent of _____, the bidder submitting the competitive bid which is attached to this statement, for the purpose of certifying the facts pertaining to the existence of collusion among bidders and between bidders and municipal officials or employees, as well as facts pertaining to the giving or offering of things of value to government personnel in return for special consideration in the letting of any contract pursuant to the bid to which this statement is attached.
2. (s)he is fully aware of the facts and circumstances surrounding the making of the bid to which this statement is attached and has been personally and directly involved in the proceedings leading to the submission of such bid; and
3. neither the bidder nor anyone subject to the bidder's direction or control has been a party;
 - a. to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding,
 - b. to any collusion with any municipal official or employee as to quantity, quality or price in the prospective contract, or as to any other terms of such prospective contract, nor
 - c. in any discussions between bidders and any municipal official concerning exchange of money or other thing of value for special consideration in the letting of a contract.

SIGNATURE OF AUTHORIZED AGENT

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

Signature of Notary Public

MY COMMISSION EXPIRES

The Bidder Affidavit must be completed, signed by an authorized agent, and notarized.

CONTRACTOR/BIDDER INFORMATION SHEET

To be completed by all Bidders
For Contracts with the City of Tulsa
(Please print or type)

Project No. or Description _____

Full Name of Bidder _____

Legal Identity
(Corporation, Partnership,
Individual, etc.) _____

Address _____

Telephone No. _____

FAX No. _____

Taxpayer Identification Number _____

Contact Person _____

Phone No. _____

Fax No. _____

E-mail address _____

Webpage Address _____

BID 01-304
Grass Rig Tank, Pump, Skid, & Equipment
Price Sheet Summary

Vendor Name: _____ Signature: _____
Date: _____

You will be able to obtain a copy of the Bid Summary on the City of Tulsa's Purchase-Net Fax-on-Demand and Website shortly after bid opening.

BIDDER AGREES TO FURNISH TWO(2) OR MORE GRASS RIG TANK, PUMP, SKID, & EQUIPMENT UNITS TO THE CITY OF TULSA IN ACCORDANCE WITH THE MINIMUM BID SPECIFICATIONS AT THE UNIT PRICE SHOWN:

\$ _____ EACH

MAKE AND MODEL: _____

BID 01-304
GRASS RIG TANK, PUMP, SKID, & EQUIPMENT UNITS

INTENT:

THE INTENT OF THESE SPECIFICATIONS IS TO SET MINIMUM REQUIREMENTS, NOT TO OTHERWISE LIMIT BIDDING FOR THE SUPPLY OF **TWO (2)** OR MORE GRASS RIG TANK, PUMP, SKID, & EQUIPMENT UNITS FOR THE CITY OF TULSA FIRE DEPARTMENT.

INASMUCH AS SOME DESIGNS OF EQUIPMENT VARY AMONG DIFFERENT MANUFACTURERS, THE CITY MAY ACCEPT BIDS ON EQUIPMENT WITH MINOR DEVIATIONS TO THE WRITTEN SPECIFICATIONS. GENERALLY, A MINOR DEVIATION IS DEFINED AS A DEVIATION WHICH DOES NOT: (A) MATERIALLY AFFECT THE ABILITY OF THE PRODUCT TO ACHIEVE OR ACCOMPLISH A NECESSARY FUNCTION OR TASK IN THE MANNER REQUIRED BY THE SPECIFICATIONS; (B) COMPROMISE THE SAFETY OF THE USER THEREOF; AND, PRODUCE HIGHER LATENT OR PATENT COSTS TO THE CITY IN ANY OF A MULTIPLICITY OF WAYS. THE CITY OF TULSA SPECIFICALLY RESERVES THE RIGHT TO MAKE THE JUDGMENT CONCERNING WHAT IS OR IS NOT A MINOR DEVIATION AND TO AWARD THE BIDDER (S) WHOSE BID(S) BEST SUIT THE CITY'S NEED FOR THE PRODUCT BEING PURCHASED.

GENERAL:

BIDDERS SHALL SUBMIT TWO (2) COMPLETE COPIES OF THE BID AND ALL DATA.

ALL EQUIPMENT AND/OR SUPPLIES LISTED IN THIS BID SHALL BE NEW, UNUSED, FIRST LINE QUALITY, MANUFACTURER'S LATEST MODEL AND READY FOR IMMEDIATE SERVICE.

THE MANUFACTURER SHALL CONFORM TO THE BEST PRACTICE KNOWN TO FIRE APPARATUS TRADE DESIGN, QUALITY OF WORKMANSHIP AND MATERIAL, AND BE SUBJECT TO THE SPECIFICATIONS IN FULL. SHOULD THE MANUFACTURER'S CURRENT PUBLISHED DATA OR SPECIFICATIONS EXCEED THE CITY'S SPECIFICATIONS, THEY SHALL BE CONSIDERED MINIMUM AND FURNISHED.

ALL APPARATUS, EQUIPMENT AND/OR SUPPLIES BID THAT ARE COVERED UNDER THE CURRENT NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARDS, SHALL COMPLY WITH SUCH.

THE APPARATUS SHALL BE SO DESIGNED THAT VARIOUS PARTS ARE READILY ACCESSIBLE FOR LUBRICATION, INSPECTION, ADJUSTMENT AND REPAIR.

WHERE SPECIAL TOOLS, WHICH ARE NOT NORMALLY USED OR AVAILABLE, ARE REQUIRED TO SERVICE ANY COMPONENTS OF THE APPARATUS BUILT OR SUPPLIED BY THE SUCCESSFUL BIDDER, SUCH TOOLS SHALL BE PROVIDED WITH THE APPARATUS AND INCLUDED IN THE BID PRICE.

PRICING TERMS:

PRICE(S) BID SHALL BE FIRM FOR A MINIMUM PERIOD OF NINETY (90) DAYS FROM BID OPENING DATE ALTHOUGH A FIRM PRICE PERIOD OF ONE (1) YEAR IS DESIRABLE WITH OPTION TO RENEW ANNUALLY FOR A TWO (2) YEAR PERIOD (**SEE PRICE ADJUSTMENT CLAUSE HEREIN**).

PRICE ADJUSTMENT OPTION

THE PRICE PAID FOR A COMMODITY UNDER THIS CONTRACT SHALL NOT CHANGE DURING THE TERM OF THIS CONTRACT. HOWEVER, IF THE BIDDER ANTICIPATES THAT IT WILL NOT BE ABLE TO MAINTAIN FIRM PRICES FOR ANY RENEWAL PERIOD, A CHANGE IN PRICE MAY BE ALLOWED IN A RENEWAL OF THIS CONTRACT IF THE FOLLOWING CRITERIA ARE MET:

- (1) THE BIDDER INCLUDES A FORMULA, TO BE USED TO CALCULATE A CHANGE IN PRICE AT THE TIME OF RENEWAL, **IN THE BID FOR THE INITIAL CONTRACT**. SUCH FORMULA SHALL BE REASONABLE, OBJECTIVE AND CAPABLE OF MEASUREMENT.

- (2) THE CONTRACTOR NOTIFIES THE CITY, IN WRITING, NO LATER THAN 30 DAYS PRIOR TO THE EXPIRATION OF THE INITIAL CONTRACT PERIOD, OR ANY RENEWAL PERIOD, OF ITS INTENT TO EXERCISE THE RIGHT TO ESCALATE OR DE-ESCALATE PRICES UNDER THE CONTRACT. THE NOTICE SHALL INCLUDE A CALCULATION OF THE PRICE INCREASE OR DECREASE REQUESTED INCLUDING THE FORMULA USED

THE CITY WILL NOT ACCEPT BIDS BASED ON PROGRESSIVE PAYMENTS.

PAYMENT WILL BE MADE IN APPROXIMATELY THIRTY (30) DAYS AFTER RECEIPT AND ACCEPTANCE OF VEHICLE(S) WHEN POSSIBLE.

WARRANTY:

THE MANUFACTURER SHALL WARRANT EACH UNIT TO BE OF GOOD MATERIAL AND WORKMANSHIP AND AGREES TO PROMPTLY REPLACE ANY PART OR PARTS, WHICH BY REASON OF DEFECTIVE MATERIALS OR WORKMANSHIP SHALL FAIL UNDER NORMAL USE, FREE OF NEGLIGENCE OR ACCIDENT, FOR A MINIMUM PERIOD OF 1 YEAR FROM THE DATE OF DELIVERY. SUCH REPLACEMENT MUST BE FREE OF ANY CHARGE TO THE OWNER. IN ADDITION, IF SUCH FAILURES TAKES PLACE OUTSIDE THE DEALER'S SERVICE AREA, THE VENDOR SHALL BE RESPONSIBLE FOR REIMBURSING THE NEAREST AUTHORIZED DEALER FOR SERVICES RENDERED UNDER THIS WARRANTY.

THE CITY OF TULSA SHALL EXPECT THE MANUFACTURER TO HAVE AN ADEQUATE STOCK OF REPLACEMENT PARTS AVAILABLE TO SERVICE THE UNITS AND TO MAKE DELIVERY WITHIN SEVENTY-TWO (72) HOURS AFTER NOTIFICATION ON ALL NORMAL REPLACEMENT PARTS.

WARRANTY WORK WILL BE CONDUCTED IN, OR NEAR, THE CITY OF TULSA WHENEVER POSSIBLE. SHOULD THE EQUIPMENT SUPPLIED REQUIRE WARRANTY SERVICE OUTSIDE THE LIMITS OF THE CITY OF TULSA, ALL TRANSPORTATION COST INCURRED WILL BE AT THE EXPENSE OF THE BIDDER.

THE BIDDER SHALL ACCEPT RESPONSIBILITY FOR ANY LIABILITIES, LOSSES OR DAMAGES INCURRED WHILE APPARATUS IS IN THEIR POSSESSION DURING WARRANTY REPAIRS.

UPON DELIVERY OF THE APPARATUS, THE SUCCESSFUL BIDDER SHALL SUPPLY THE FOLLOWING SETS OF MANUALS WITH EACH UNIT:

- (A) OPERATIONS MANUALS FOR ALL COMPONENTS.
- (B) PARTS MANUALS INCLUDING CROSS REFERENCES FOR ALL AFTER MARKET PARTS.

- (C) TWO (2) EACH, SHOP SERVICE (REPAIR) MANUALS INCLUDING ENGINEERING DRAWINGS, WIRING SCHEMATICS, LUBRICATIONS CHARTS, ETC., NECESSARY FOR COMPLETE SERVICING AND REPAIR OR VEHICLE AND EQUIPMENT.
- (D) TWO (2) COMPLETE TRAINING MANUALS.

ACCEPTANCE:

ACCEPTANCE OF THE UNIT WILL OCCUR WHEN THE PURCHASE ORDER FOR THE UNIT IS SIGNED AND PAYMENT IS AUTHORIZED. THIS WILL OCCUR AFTER THE UNIT HAS BEEN INSPECTED AND FOUND TO BE COMPLIANT WITH THE DELIVERY, SPECIAL INSTRUCTIONS PREVIOUSLY DESCRIBED, AND SUCCESSFUL COMPLETION OF VARIOUS ACCEPTANCE TESTS.

TRAINING:

THE SUCCESSFUL BIDDER SHALL PROVIDE TRAINING AND INSTRUCTIONS TO CITY OF TULSA PERSONNEL ON PROPER OPERATION AND ROUTINE MAINTENANCE OF THE EQUIPMENT. TRAINING SHALL BE PERFORMED AT A CITY OF TULSA FACILITY UPON DELIVERY OF EQUIPMENT.

ADDENDA AND INTERPRETATIONS:

IF IT BECOMES NECESSARY TO REVISE ANY PART OF THIS BID, A WRITTEN ADDENDUM WILL BE PROVIDED TO ALL THE BIDDERS. THE CITY OF TULSA IS NOT BOUND BY ANY ORAL REPRESENTATION, CLARIFICATIONS OR CHANGES MADE IN THE WRITTEN SPECIFICATIONS BY CITY OF TULSA EMPLOYEES UNLESS SUCH CLARIFICATION OR CHANGE IS PROVIDED TO BIDDERS IN WRITTEN ADDENDUM FORM FROM THE PURCHASING DIVISION.

CONTRACT AND PERFORMANCE BOND:

THE SUCCESSFUL BIDDER WILL BE REQUIRED TO ENTER INTO CONTRACT WITH THE CITY IN ACCORDANCE WITH ITEM 15 OF THE **GENERAL TERMS AND CONDITIONS** AS PRINTED ON PAGE 4.

BID BOND:

A CERTIFIED OR CASHIER'S CHECK OR BIDDER'S SURETY BOND, IN THE SUM OF **\$1,000.00** WILL BE REQUIRED FROM EACH BIDDER TO BE RETAINED AS LIQUIDATED DAMAGES IN THE EVENT THE SUCCESSFUL BIDDER FAILS, NEGLECTS OR REFUSES TO ENTER INTO SAID CONTRACT AND FURNISH THE NECESSARY BONDS, INSURANCE CERTIFICATES, ETC., AS SPECIFIED, WITHIN TEN (10) DAYS FROM AND AFTER THE DATE THE CONTRACT DOCUMENT IS RECEIVED FROM THE CITY OF TULSA LEGAL DEPARTMENT.

BONDS AND/OR EVIDENCE OF INSURANCE:

BONDS AND/OR EVIDENCE OF INSURANCE REQUIRED OF THE SUCCESSFUL BIDDER ON THIS BID SOLICITATION MUST DELIVER THESE DOCUMENT TO:

LEGAL DEPARTMENT - CITY OF TULSA
200 CIVIC CENTER, ROOM 316
TULSA, OK 74103

EACH BOND OR INSURANCE CERTIFICATE **MUST BE IDENTIFIED WITH BID REQUEST NUMBER OF THIS BID SOLICITATION.**

DESCRIPTIVE LITERATURE:

EACH BIDDER IS REQUIRED TO FURNISH WITH THEIR BID, CATALOG CUTS AND/OR DESCRIPTIVE LITERATURE, PROPERLY LABELED WITH THE BID NUMBER AND BIDDER'S NAME, WITH FULL ILLUSTRATIONS AND DETAILED SPECIFICATIONS FOR EACH ITEM OFFERED AS EQUAL TO BRAND NAMES SPECIFIED. IN ADDITION, **ALL DIFFERENCES IN SPECIFICATIONS FROM THE SPECIFICATIONS STATED HEREIN MUST BE SO MARKED.** DESCRIPTIVE LITERATURE IS REQUIRED TO ESTABLISH, FOR THE PURPOSE OF BID EVALUATION AND AWARD, DETAILS OF THE PRODUCT(S) THE BIDDER PROPOSES TO FURNISH AS TO DESIGN, MATERIALS, METHOD OF MANUFACTURER, CONSTRUCTION, ASSEMBLY OR OPERATION, AS APPROPRIATE. **FAILURE TO SUBMIT THE DESCRIPTIVE LITERATURE MAY BE CAUSE FOR REJECTION OF YOUR BID.**

AMERICANS WITH DISABILITIES ACT:

THE CONTRACTOR SHALL TAKE THE NECESSARY ACTIONS TO ENSURE ITS FACILITIES AND EQUIPMENT ARE IN COMPLIANCE WITH THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT. IT IS UNDERSTOOD THAT THE PROGRAM OF THE CONTRACTOR IS NOT A PROGRAM OR ACTIVITY OF THE CITY OF TULSA. THE CONTRACTOR AGREES THAT ITS PROGRAM OR ACTIVITY WILL COMPLY WITH THE REQUIREMENTS OF THE ADA. ANY COSTS OF SUCH COMPLIANCE WILL BE THE RESPONSIBILITY OF CONTRACTOR. UNDER NO CIRCUMSTANCES WILL CONTRACTOR CONDUCT ANY ACTIVITY WHICH IT DEEMS TO NOT BE IN COMPLIANCE WITH THE ADA.

EMPLOYMENT DISCRIMINATION BY CONTRACTOR PROHIBITED

A. DURING THE PERFORMANCE OF THIS CONTRACT, THE CONTRACTOR AGREES AS FOLLOWS:

- (1) THE CONTRACTOR WILL NOT DISCRIMINATE AGAINST ANY EMPLOYEES OR APPLICANT FOR EMPLOYMENT BECAUSE OF RACE, RELIGION, COLOR, SEX OR NATIONAL ORIGIN, EXCEPT WHERE RELIGION, SEX OR NATIONAL ORIGIN IS A BONA FIDE OCCUPATIONAL QUALIFICATION REASONABLY NECESSARY TO THE NORMAL OPERATION OF THE CONTRACTOR. THE CONTRACTOR AGREES TO POST IN CONSPICUOUS PLACES, AVAILABLE TO EMPLOYEES AND APPLICANTS FOR EMPLOYMENT, NOTICES SETTING FORTH THE PROVISION OF THIS NONDISCRIMINATION CLAUSE.
- (2) THE CONTRACTOR, IN ALL SOLICITATIONS OR ADVERTISEMENTS FOR EMPLOYMENT PLACED BY OR ON BEHALF OF THE CONTRACTOR, WILL STATE THAT SUCH CONTRACTOR IS AN EQUAL OPPORTUNITY EMPLOYER.
- (3) NOTICES, ADVERTISEMENTS AND SOLICITATIONS PLACED IN ACCORDANCE WITH FEDERAL LAW, RULE OR REGULATION SHALL BE DEEMED SUFFICIENT FOR THE PURPOSE OF MEETING THE REQUIREMENTS OF THIS SECTION.

B. The contractor will include the provision of the foregoing paragraphs of this section in every subcontract or purchase order of over \$10,000, so that the provisions will be binding upon each subcontractor or vendor.

BID 01-304

GRASS RIG TANK, PUMP, SKID, & EQUIPMENT UNITS

**FOR THE
TULSA FIRE DEPARTMENT
GRASS AND WILDLAND FIRE APPARATUS**

September 2001

1.00 GENERAL

-
- 1.01 It is the intent of these specifications to create a wildland fire apparatus which will consist of a four wheel drive one ton chassis with a flatbed equipped with some compartments and a slide-in type water tank, fire pump, and hose reels.
- 1.02 The bidder will construct, plumb and prepare the skid-unit for operation before delivery. However, the hose reels will be mounted separate of the skid unit and will not be attached or plumbed to the skid unit.
- 1.03 The City of Tulsa will install the flat bed body and the slide-in type water tank, fire pump, and hose reels.

2.00 ACCESSORIES & WARNING SYSTEMS

- 2.01 The following items will be provided but will be installed by the City of Tulsa.
- 2.02 A single piece, heavy duty, black Polar Bear by Elegant USA (973)812-8820 wrap around brush guard will be provided. The City of Tulsa will install the guard.
- 2.03 A Federal Signal Vector model VCS4815 48-inch light bar will be provided over the cab roof. The pods will have the following equipment: Pod-1 to have 95 FPM rotator with red lens; Pod-2 to have Take down/Left alley/Rear flashing with blue filter; Pod-3 to have 175 FPM rotator with red lens; Pod-4 to have 175 FPM rotator with clear lens; Pod-5 to have 175 FPM rotator with red lens; Pod-6 to have Take down/Right alley/Rear flashing with blue filter; Pod-7 to have 95 FPM rotator with red lens. The light bar is to include a Federal Signal model SML8 directional arrow.
- 2.04 The light bar will be provided with a Federal Signal mounting hardware for a 2001 year model Ford F450.
- 2.05 A Federal Signal model SMC3 control unit, used to control the SignalMaster directional arrow, will be provided.

- 2.06 Two (2) Whelen model 580C20RU linear strobe light heads, surface mount, red lens.
- 2.07 Two (2) Whelen model 580C20KU linear strobe light heads, surface mount, red/amber lens.
- 2.08 One pair, left and right, Whelen F series grill lights, with red lens, for a 2000 year model Ford F450.
- 2.09 One Whelen UPS158 strobe light power supply.
- 2.10 A Federal Signal Unitrol TM4-1 electronic siren will be provided.
- 2.11 Two (2) Federal Signal Dynamax speakers, black in finish.
- 2.12 A Federal Signal model FHL2 headlight flasher.
- 2.13 A Federal Signal model 252 back-up alarm.
- 2.14 A Kussmaul Auto Charge model 1000.
- 2.15 A Kussmaul 20 amp automatic power line disconnect.
- 2.16 Two (2) six-inch Unity spot light with integral switch and round base.
- 2.17 Two (2) Signal-Stat model 3613W clear recessed chrome utility light fixtures.
- 2.18 Two (2) Signal-Stat model 426WD chrome light fixture.
- 2.19 One (1) Signal-Stat white and chrome combo license plate bracket, model 435W.
- 2.20 Galls 3-Unit horizontal organizer for siren control, radio control, and arrow stick control.

3.00 SKID UNIT

- 3.01 A combined slip-on water tank and pump platform will be provided. As a single and integral unit, the slip-on tank and pump platform is be designed to facilitate transfer of the unit from one vehicle to another without the need of disconnecting any plumbing or components of the pump or tank. The only exception in this case will be the booster reels which will be mounted separate of the slip-on unit.

The skid will not be greater than 108 inches in length nor greater than 96 inches in length nor more than 46 inches in width.

If the skid uses a metal frame, it will be provided with ¼” rubber to serve as a barrier between the skid and the surface of the bed of the vehicle.

The skid will include pre-drilled mounting points designed and intended for the fastening of the skid unit to the vehicle.

- 3.02 The water tank will contain 250 gallons of water and will have an internal foam storage tank to contain no less than ten gallons of foam concentrate.
- 3.03 The slip-on unit, and water tank, will be constructed of U.V. stabilized polypropylene and carry a lifetime warranty. The tank is to be manufactured by United Plastics or Pro-Poly.
- 3.04 The tank will be provided with swash partitions to prevent unwanted water movement when the vehicle is in motion. The partitions will be equipped with vent and air holes to permit movement of air and water between compartments. The tank is to be designed to provide maximum water flow. All partitions will be weld to each other as well as to the walls of the tank.
- 3.05 There will be one (1) sump and a combination vent and manual fill tower. The fill tower will be constructed of polypropylene. The minimum dimension of the tower is to be no less than 8” x 8” in outer perimeter. The tower is to be provided with a removable polypropylene screen and a hinged type cover.
- 3.05 The tank will be provided with a storage tray for a 150 feet of pre-connected 1-3/4” hoseline. The hose storage will be crossways to the length of the slip-on unit.
- 3.06 The foam tank is to have a dedicated fill tower with a removable screen and hinged cover. The cover is to have a seal and latch to hold the cover in place.
- 3.07 The pump will be of either option 1 or option 2.

Option 1

The pump will be a Hale HP200X portable pump powered by an 18 BHP Briggs and Stratton Vanguard engine with electric start. The pump is to include exhaust priming, a 3” suction and a 2.5” discharge.

Option 2

The pump will be a Waterous model PB18-2515 portable pump powered by an 18 BHP Briggs and Stratton Vanguard engine with electric start. The pump is to include exhaust priming, a 2-1/2” suction and a 1-1/2” discharge.

- 3.08 The pump will be provided with a three-gallon fuel tank.

- 3.09 The exhaust will be turned upwards and provided with a rain cap. If the exhaust pipe is greater than six inches, it will be braced to prevent it from rotating.
- 3.09 The pump engine is to be provided with a 16 amp alternator and a heavy-duty battery.
- 3.10 A lighted pump panel will be provided with a 30-0-600 liquid filled gauge package, start and stop switch and throttle control.
- 3.11 The pump is to be mounted on the skid frame used to support the water tank.
- 3.12 All piping will be constructed of galvanized pipe and fittings. High pressure flexible hose is acceptable for providing water from the discharge of the pump to the booster reels, pre-connected 1-3/4", and circulating line.
- 3.13 The skid will be provided with a 2-1/2" Akron quarter turn swing out ball valve between the tank and the suction side of the pump.
- 3.14 The suction side of the pump will also be provided with a 2-1/2" Akron quarter turn swing out ball valve for filling the water tank or drafting. The ball valve will be provided with a 2-1/2" NST female swivel, plug, and retaining chain.
- 3.15 The discharge from the pump will be plumbed into a common manifold of no less than 2-1/2" diameter pipe.
- 3.16 Two (2) 1" discharges with 1/4 turn ball valves will be provided. The valves will be used for the booster lines. The booster lines will be plumbed with 1" high-pressure hydraulic hose. The booster reels will not be attached to the skid unit, but will be located on either side of the pump location on the slip-on unit.
- 3.17 A pre-connected 1-3/4" hand-line stored in the cross-lay hose tray will be plumbed with a 2" quarter turn valve, 2" high pressure hose, and a 1-1/2" NST male chickashan fitting.
- 3.18 A 1-1/2" discharge valve will be provided at the manifold. The discharge will be finished with a 1-1/2" NST male fitting with a cap and retaining chain.
- 3.19 A 1" Akron quarter turn ball valve and plumbing will be used for the tank fill and circulating line. The line may consist of 1" high-pressure hydraulic hose.
- 3.20 All applications using high-pressure hydraulic hose will use appropriate compression fittings. The use of hose clamps is not acceptable.
- 3.21 A 1/4" recirculating line will be provided. The line will take water from the discharge side of the pump, where a pressure gauge would normally be fitted, and discharge it directly into the tank or tank fill line. The recirculating line will be

provided with a brass quarter turn valve to allow the pump to be primed. The line will not be exposed or contain foam or foam concentrate.

- 3.22 A metered injected foam system will be provided and will consist of one of the two following options.

Option 1

A Hale 1.0 Foam Master Foam System will be provided and installed. The foam system will be plumbed, so that all discharges other than the tank fill line, will be able to have foam. The foam system will be able to accurately proportion foam concentrates between 0.1% through 1% with flows between 10 and 250 GPM.

Option 2

A FoamPro 1600 series foam system will be provided and installed. The foam system will be plumbed, so that all discharges other than the tank fill line, will be able to have foam. The foam system will be able to accurately proportion foam concentrates between 0.1% through 1% with flows between 10 and 250 GPM.

- 3.23 Two Hannay model SBF30-23-24 polished aluminum electric rewind booster reels will be supplied. The reels will be provided with manual cranks for retrieval of the hose during electric motor failure. The reels will include a two way flow hub so that the swivel joint may be attached to either end of the reel.
- 3.24 Each reel will be provided with stainless steel hose guides.
- 3.25 Each of the two booster reels will have a capacity, and will be provided with, 200 feet of 3/4" ID 800 test booster hose coupled in 50 foot lengths and 1" NST brass couplings.

4.00 LOOSE EQUIPMENT

- 4.01 Two (2) Vestanks water vests with trombone type water pumps.
- 4.02 Two (2) McLeod Fire Tool, combination hoe rake with bolted blade, 3-1/2" teeth, and 48" fiberglass handle
- 4.03 Two (2) steel fire rakes with soft eye and back with tempered steel blades or teeth. Rakes are to have 60 inch fiberglass handles.
- 4.04 Four (4) Pulaski fire axle with 36" fiberglass handle
- 4.05 Two (2) Double edge bush axe with 36" fiberglass handle

- 4.06 One (1) 16" Stihl gasoline powered, 2 cycle, chain saw
- 4.07 One spare 16" chain saw bar
- 4.08 Two (2) spare 16" carbide tip, laser weld chains for the chain saw
- 4.09 Safety orange color chain saw leggings tested and certified by UL for injury protection requirements of the American Pulpwood Association (APA) Standard 92-A-12
 - One pair Medium/Large, 34" length, Grainger 6AJ60
 - One pair X-Large, 38" length, Grainger 5AN17
 - One pair XX-Large, 42" length, Grainger 5AD18
- 4.10 One (1) Peltor Lumberjack combination helmet with flip down mesh style full face shield, and flip down earmuffs. Grainger 4T022
- 4.11 Four (4) hay forks with 4 tines with 48" handles
- 4.12 One Elkhart model 470 hydrant and spanner wrench holder with wrenches
- 4.13 Two (2) combination ¾" and 1" hole and pin type spanner wrenches for booster lines
- 4.14 Two (2) Elkhart SM-3FG 1" Select-O-Matic booster line nozzle with pistol grip
- 4.15 One (1) SM-20FG 1-1/2" Select-O-Matic nozzle
- 4.16 One Elkhart 246S foam aeration tube
- 4.17 Two (2) 1" ball shut off valves with hose bail style handle
- 4.18 Two (2) 1" Spot & Mop Class A foam nozzles, 10 GPM, Darley Par AJ474
- 4.19 Two (2) 1" Spot & Mop Class A foam nozzles, 18 GPM, Darley Part AJ475
- 4.20 One (1) Akron 1-1/2" piercing nozzle with ball valve and mounting bracket
- 4.21 Two (2) Akron 1410 1" rigid female straight tip nozzles with 3/8" orifice.
- 4.22 Two (2) Kohler Model 100 rechargeable hand lights with batteries and two dual chargers
- 4.23 One spring driven cable reel for use as the power source of the shoreline. Reel to be provided with 50 feet of 12-3 conductor and rated at 18 amperes. Reel to be provided with ratchet lock and an adjustable guide arm. Grainger part 4V069

- 4.23 Two Motorola portable radios, Motorola model Astro Digital XTS3000, model III, FM tested with Smartzone features, CAI Digital operation, H499 Ruggedized, H64 public yellow, H223 FM battery
- 4.24 Two Motorola model NTN1168 chargers for the portable radios.
- 4.25 Two (2) Heavy duty 1/4" rubber mud flaps measuring approximately 20"W x 18"L for the rear of the vehicle.
- 4.26 Two (2) 18" long 1-1/4" OD thick wall handrails with stanchions.
- 4.27 Two (2) 24" long 1-1/4" OD thick wall handrails with stanchions.
- 4.28 Thirty (30) twelve-inch plastic tiles of DriDek matting for use within the compartments.
- 4.29 One (1) clevis mount for use in any 2" x 2" receiver. The intended use is for pulling the vehicle out from the rear if it should get stuck.
- 4.30 Two (2) E-Z step slide-out step, finished with black powder coating, approximately 14.5" wide by 28" long. Unique Truck Equipment, Inc., P.O. Box 8798, Grand Rapids, MI 49518 800/777-4855 or fax 616/245-4918
- 4.31 One pair one HK Porter 18" bolt cutters
- 4.32 One pair of HK Porter 36" bolt cutters