



## INVITATION FOR SEALED BID

**BID 01-309**

**Description: FUEL DELIVERY VEHICLE**

**Department: FIRE**

**NIGP Commodity Code(s): 700-00-00-000-0**

**Total pages including this page is 21**

**NOTE: FAXED BIDS 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](http://www.cityoftulsapurchasing.org)

you must notify the buyer **LARRY HOOD** of your intent to bid by e-mail [lhood@ci.tulsa.ok.us](mailto: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 information 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: December 20, 2001**

**BID NUMBER: 01- 309**

**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: December 3, 4, 5, 6, 7, 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 con -  
tract, 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 is 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.



# 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 01-309  
Fuel Delivery Vehicle  
Price Sheet Summary**

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Vendor Name: \_\_\_\_\_ Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

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**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 ONE(1) OR MORE FUEL DELIVERY VEHICLES TO THE CITY OF TULSA IN ACCORDANCE WITH THE MINIMUM BID SPECIFICATIONS AT THE UNIT PRICE SHOWN:**

\$ \_\_\_\_\_ EACH

**MAKE AND MODEL:**

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**BID 01-309**  
**FUEL DELIVERY VEHICLE**

**INTENT:**

THE INTENT OF THESE SPECIFICATIONS IS TO SET MINIMUM REQUIREMENTS, NOT TO OTHERWISE LIMIT BIDDING FOR THE SUPPLY OF **ONE(1)** OR MORE FUEL DELIVERY VEHICLES 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 01-309

**FUEL DELIVERY VEHICLE  
FOR THE  
TULSA FIRE DEPARTMENT**

**GENERAL**

- 1.01 The bidder will provide as much detail concerning the proposed apparatus. Items or issues that are not specifically described by the bidder's proposal may be considered absent, non-responsive, and non-compliant to these specifications.
- 1.02 The apparatus will have a wheelbase no greater than 173 inches with a cab to rear axle length of no greater than 102 inches.
- 1.03 The apparatus will have an overall height of no greater than 126 inches.

**MANUALS**

- 1.04 Two (2) chassis parts manuals for the chassis will be provided.
- 1.05 Two (2) chassis operation and maintenance manuals will be provided.

**2.0 CHASSIS**

**GENERAL**

- 2.01 The desired chassis is an International model 4400 with a wheelbase of 169 inches and a cab to rear axle of 102 inches.
- 2.02 The chassis cab will have two doors and seating for two.

**FRAME**

- 2.03 The chassis frame will be designed and selected by the bidder and manufacturer. The selected frame will be designed to support the Gross Vehicle Weight (GVW) of the finished and equipped apparatus in a safe and serviceable manner under adverse conditions. Sufficient cross members will be provided to properly support the cab and body.
- 2.04 The frame rails, cross-members, and other related components will be provided with no less than a five (5) year warranty against cracks and structural failure.
- 2.05 The bid will include a description of the frame in terms of design, yield strength, and warranty.

**AXLES AND SUSPENSION**

**FRONT AXLE**

- 2.06 The front axle will be an "I" beam type, made from forged steel, and manufactured by Meritor or International.

- 2.07 The front axle weight rating will be selected by the bidder and manufacturer. The selected axle will not be less than the anticipated load of the apparatus fully equipped with personnel, tools, equipment and related resources.
- 2.08 The front axle will be provided with Stemco, or equal, oil seals with viewing windows.
- 2.09 The front suspension will consist of parabolic tapered leaf springs. The springs will be rated at a capacity to safely support the designed front axle load of the vehicle.
- 2.10 Heavy duty double acting shock absorbers will be provided on the front axle.
- 2.11 The front axle will provide a minimum of a 50 degree cramp angle.
- 2.12 The front axle will be designed to accommodate a hub piloted wheel.

#### REAR AXLE

- 2.13 The rear axle will be manufactured by International or Meritor. The selected axle will not be less than the anticipated load of the apparatus fully equipped with personnel, tools, equipment and related resources.
- 2.14 The rear axle is to be a single reduction differential with a top speed of approximately 70 mph at governed engine speed.
- 2.15 The rear suspension will consist of semi-elliptical leaf springs. The springs will be rated at a capacity that will safely carry the designed load over the rear axle.
- 2.16 The rear axle will be provided with oil seals.
- 2.17 The rear spring hangers are to be castings with provisions for lubrication.
- 2.18 The rear axle will be designed to accommodate hub piloted wheels.

#### BRAKES

- 2.19 Both the front and rear brakes will be S-Cam type brakes. The bid will include the size of the selected brakes and shoes.
- 2.20 The brakes will be provided with automatic slack adjusters.
- 2.21 The vehicle will be provided with a Bendix Anti-lock Braking System (ABS). The ABS will provide braking control on both the front and rear wheels. Each wheel is to be monitored by a digitally controlled monitoring system.
- 2.22 The ABS system will also provide an electronic limited-slip type traction control to transfer power from a spinning drive wheel to a slower or stationary drive wheel. The desired system will be Bendix ValuTrac or equal.
- 2.23 Diagnostic software for use with a lap-top computer or Pro-Link diagnostic tool will be provided for use by City of Tulsa Fire Garage Mechanics assigned to inspect, calibrate, and/or repair the ABS system. The bid will include a description of the software or cartridge.
- 2.24 The parking brake will consist of a spring brake actuated on the rear axles.
- 2.25 The entire braking system will **meet or exceed FMVSS 121 for loaded and unloaded buses.** (NOTE: the accepted braking distance is more restrictive than that required for normal trucks.)
- 2.26 The air brake system will consist of the following components.
  - 2.2401 A Bendix TRU-FLO 550 with 13.2 cubic feet per minute output air compressor.

- 2.2402 An air system with a capacity of no less than 5, 800 cubic inches
  - 2.2403 An air drier with an automatic and heated moisture ejector
  - 2.2404 Two air pressure gauges, or a dual needle gauge, to identify the air pressure for the front and rear air systems
  - 2.2405 Red warning lights and audible alarm to indicate low air pressure (mounted on the dash of the cab)
  - 2.2406 Parking brake with a “Parking Brake” warning light mounted on the dash of the cab
  - 2.2407 Bendix-Westinghouse SR-1 valve with a double check valve system to provide automatic spring brake application at 40 psi
  - 2.2408 The brake lines are to be color-coded lines wrapped in a loom for the full length of the hose. The need to wrap the lines in a loom may be waived if the lines are protected from abrasion.
- 2.27 An air inlet system, allowing station air to be supplied to the brake system through a shoreline hose, will be provided in the vicinity of the driver’s door or seat. The inlet is to be equipped with a male coupling. A check valve must be provided to prevent reverse flow of air. The inlet will discharge into the “wet” tank of the brake system.
  - 2.28 An air outlet, allowing air to be discharged from the apparatus will be provided. The outlet is to be located near the driver’s door and provided with a female coupling. The air outlet will be connected to a non-strategic air tank.
  - 2.29 Both the air inlet and air outlet will be located in a convenient and protected location near the driver’s door or seat. Both will be provided with couplings that are compatible with Type B Camel 61-527 female and Camel 61-528 male fittings.

#### WHEELS AND TIRES

- 2.30 The front wheels will be 22.50” x 8.25” hub piloted aluminum disc, ten (10)-hole pattern.
- 2.31 The front wheels will be provided with Michelin 11R22.50, 14-ply radial highway tread tires.
- 2.32 The front axle will be provided with a pair of stainless steel hub covers with an oil level viewing window and a full set of plated lug nuts.
- 2.33 The rear wheels will be 22.50” x 8.25” hub piloted aluminum disc, ten (10)-hole pattern.
- 2.34 The rear axle will be provided with a pair of stainless steel high hat hub covers and a full set of chrome plated lug nuts.
- 2.35 The rear wheels will be provided with Michelin 11R22.5, 14 ply radial XDN mud and snow tires with a capacity of 23,000 pounds.
- 2.36 One spare front wheel and one spare rear wheel with mounted tires will be provided with each vehicle.
- 2.37 Heavy duty mud flaps, black in color, will be provided behind each of the front and rear wheels of the vehicle.

#### AUXILIARY BRAKING

- 2.38 An engine exhaust style retarder will be provided.
- 2.39 The engine exhaust style retarder will be capable of three settings controlled by a switch located on the dash. The settings will be Low – Off - High

#### BUMPERS AND TOW HOOKS

- 2.40 A full-width, aerodynamic, chrome plated steel bumper, will be attached to the front frame rail extensions.
- 2.41 Two (2) painted tow hooks will be located behind or beneath the front bumper. The tow hooks will be directly attached to the chassis frame or frame extension.

**DRIVELINE**

2.42 The engine will be a new International DT 530E diesel engine with the following specifications:

Engine Type	Diesel, 4 cycle
Configuration	In-line six cylinder
Displacement	530 cubic inches (7.6 liters)
Bore and Stroke	4.59x 5.35 in. (116.5x 135.9mm)
Compression Ratio	17.2:1
Rated brake horsepower	300
Peak torque	950
Aspiration	Turbocharged with Wastegate and air-to-air intercooled
Governed RPM	2200 RPM
Combustion system	Direct injection

2.43 Engine accessories will include:

Fan Clutch	Kysor Series 8000 with nylon fan
Air Cleaner	Dry type, with restriction indicator in the cab
Fuel Filters	Dual, with check valve
Governor	Limiting speed type
Lube Oil Cooler	
Lube Oil Filter	Full flow
Starting Motor	12 volt
Coolant Filter/Conditioner	
Oil fill and level gauge	
Hand Operated, re-prime pump	

- 2.44 The engine will include a five (5) year warranty.
- 2.45 Appropriate diagnostic hardware and software will be provided to allow the City of Tulsa Fire Garage Mechanics to inspect, diagnose, calibrate, and/or repair the engine and related components.

**EXHAUST**

- 2.46 The exhaust system will be no less than 4.0” diameter and will terminate on the right side of the vehicle directly ahead of the rear wheels.
- 2.47 The exhaust will be finished with a chrome fitting for connection to a Plymovent vehicle exhaust system. The fitting will be angled slightly rearward as specified by Plymovent.

**COOLING**

- 2.48 A radiator of sufficient size with cooling capacity recommended by the engine manufacturer will be provided. The radiator will include a de-aeration tank and sight glass.
- 2.49 Premium rubber hose will be used for all engine coolant lines installed by the chassis manufacturer. Hose clamps will be of a design commonly called “constant torque type” to prevent coolant leakage.
- 2.50 Air for the radiator will be provided through a chrome finished hood mounted grill.

**FUEL**

- 2.51 A 50-gallon fuel tank will be provided and mounted at the right-hand cab step. The tank will be constructed of welded steel.
- 2.52 The successful body builder will enclose the fuel tank with bright aluminum tread plate to provide a pleasing finish.

#### TRANSMISSION AND DRIVELINE

- 2.53 An Allison model MD3060P, five (5)-speed torque converting automatic transmission will be provided.
- 2.54 The transmission will include a power takeoff provision.
- 2.55 The transmission will be controlled with a "T" handle shift module located to the right of, and within easy reach of the driver.
- 2.56 An external transmission oil cooler approved by Allison will be provided.
- 2.57 An extended five (5) year (in lieu of the standard two year) transmission warranty will be provided by Allison Transmissions.
- 2.58 Drivelines will be a heavy duty metal tube equipped with Spicer 1700 series universal joints. A splined slip joint will be provided in each driveshaft.

#### MIRRORS

- 2.59 The cab will be provided with Lang Mekra 15.75" x 7.09" mirrors, with breakaway type brackets, integral convex, heated, thermostatically controlled and bright finish.

#### GLASS

- 2.60 All window glass used in the chassis will be tinted automotive glass.
- 2.61 The chassis will be provided with electrically operated variable speed, intermittent delay, windshield wipers with automatic park provisions.

#### INTERIOR

- 2.62 The cab will be provided with an AM/FM radio with a minimum of two speakers.
- 2.63 The chassis will be provided with dual sun-visors.
- 2.64 Each cab entrance will be provided with 18" long, 1.28" diameter extruded aluminum handrails with rubber inserts on each side behind the cab doors.
- 2.65 The cab will be provided with black rubber floor mats.
- 2.66 The cab will be provided with a heater and defroster with a variable speed fan.
- 2.67 The cab will be provided with International Blend-Air air conditioning with integral heater and defroster. The system will deliver 12,000 BTU/hour in the air conditioning mode when tested per SAE J1484 with inlet air conditions of 80 degrees F. dry bulb and 67 degrees F. wet bulb. The system will be charged with the applicable refrigerant.
- 2.68 The steering column is to be capable of being tilted into the desired position by the individual driver.
- 2.69 The steering wheel will not be less than 18 inches in diameter.
- 2.70 The steering column will include an integrally attached self-cancelling turn signal control lever.

- 2.71 Cab instruments will include  
 Engine temperature gauge and warning buzzer  
 Engine oil pressure gauge and warning buzzer  
 Speedometer with odometer  
 Engine tachnometer  
 Engine hour meter  
 Fuel level gauge  
 Voltmeter: low voltage red warning light and audible alarm  
 Air brake pressure gauge  
 Air restriction indicator  
 Circuit breakers for overload protection of electrical circuits  
 Keyless ignition type  
 Windshield wiper controls with interittent feature  
 Windshield washer controls  
 Parking light, interior cab, and headlight light switch with dimmer control for instrument panel and interior lighting
- 2.72 The interior of the cab will be gray in color.

#### SEATS

- 2.73 The driver's seat will be a Seats Inc. 911 model Magnum 100 air suspension seat or equal. The seat will have a high profile back rest, complete ride suspension adjustments, back angle and adjust forward and backwards.
- 2.74 The passenger's seat will be a Seats Inc. 911 fixed seat.

#### CENTER CONSOLE

- 2.83 A center console will be manufactured by the City of Tulsa for the mounting of electronic equipment and storage of map books and other assorted items.

### **3.00 CHASSIS ELECTRICAL**

- 3.01 The chassis will incorporate a fully multiplexted electrical system. NO EXCEPTIONS
- 3.02 The chassis will use a single battery system that will consist of three (3)-12 volt, 650 CCA maintenance –free, group 31 batteries. The battery system will have a total of 1950 CCA with a minimum reserve capacity of 540 minutes.
- 3.03 A master battery switch, to activate the battery system, will be provided inside the cab within easy reach of the driver. The master battery disconnect switch will be wired between the starter solenoid and the remainder of the electrical loads on the apparatus.
- 3.04 A green “battery on” indicator light, visible from the driver's position will be provided.
- 3.05 A Kussmaul Autocharge 1000 battery charger with internal battery saver will be provided.
- 3.06 A display bar graph, indicating the state of charge, will be provided on the left side of the driver's seat riser to show if the charger is operating.
- 3.07 A Kussmaul 20 amp automatic power line disconnect will be provided. The unit will use a 120 volt, 20 amp, NEMA 5-20 connector. The unit will be provided with an auto-eject interrupter and

- the mating female connection for the unit. The unit will be installed onto the exterior cab wall just behind the driver's door. The cover for the unit will be red.
- 3.08 The alternator will be a Leece-Neville, model 4864JB, internally regulated, with a capacity of 12 volt 270 amperes.
  - 3.09 The alternator will be provided with a 2.40" diameter pulley to increase alternator output at engine idle speed.
  - 3.10 All exterior lighting will meet or exceed current Federal Department of Transportation, Federal Motor Vehicle Safety Standards and National Fire Protection Association requirements.
  - 3.11 The front headlights will be halogen type and they will comply with all FMVSS requirements.
  - 3.12 The headlight system will be equipped with a running light feature that automatically turns the headlights on during the daylight hours.
  - 3.13 Five clearance and marker lights will be installed across the leading edge of the cab.
  - 3.14 Two (2) engine compartment lights will be installed under the engine hood, of which the switches are an integral part.
  - 3.15 A solid state back-up alarm that actuates when the transmission is shifted into reverse will be provided. The alarm will sound at 60 pulses per minute and automatically adjust its volume to maintain a minimum of five (5) dba above the surrounding noise levels.
  - 3.16 An engine 1,000 watt block heater with automatic temperature control will be provided. It will be supplied power from the Kussmaul 20 amp shore line disconnect.

#### **4.0 TANK, PLUMBING, AND BODY**

- 4.01 An aluminum tank and body from TST, or equal, will be provided. The tank will meet, or exceed, the specifications for an MC-406 tank.
- 4.02 The tank will be divided into two compartments, one of 1,000 gallons for the storage of diesel fuel, and the second to be no greater than 300 gallons for the storage of gasoline.
- 4.03 The tank will use double bulkhead construction with dished heads that are flanged for maximum strength. Surge heads are to be installed and spaced to meet all applicable Department of Transportation (DOT) specifications.
- 4.04 Full length flashing that is double legged with leak proof overturn rails are to be provided and designed to meet DOT MC406 specifications.
- 4.05 Two external 1-1/2" O.D. drains will be provided at the front with black PVC 1-1/2" tubing that extends down below the bottom of the compartments.
- 4.06 Each of the tanks will be provided with 16 inch manholes with 10 inch fills
- 4.07 Two (2) inch emergency valves with two (2) inch pipelines will be plumbed directly into the applicable pumps.
- 4.08 Two (2) hot shift PTO operated pumps will be provided, one for diesel fuel and the second for gasoline.

- 4.09 The controls for both PTO pumps will be located within the cab.
- 4.10 An emergency PTO disengagement switch will be located at the rear of the vehicle.
- 4.11 Engagement of either of the two PTO pumps will automatically operate or engage both the parking brake and the four-way emergency flashing lights on the chassis and body. Disengagement of the PTO will automatically disengage or turn-off the four-way flashers.
- 4.12 Each of the pumps will be provided with heavy-duty drive shafts.
- 4.13 The PTO operated pumps will be Blackmer TX-1.5A one and one half (1-1/2) inch diameter pumps with strainers, liquid controls, and M-5-C direct reading meters facing out of the rear door. The pumps will be calibrated for gasoline and diesel fuel.
- 4.14 An additional moisture separator will be provided for the gasoline distribution system. The separator will be located in a convenient location for routine maintenance.
- 4.15 The diesel fuel will be distributed from two, one on each side, side facing Hannay electric hose reels, constructed of aluminum. Each reel is to be provided with 100 feet of 3/4 inch Goodyear fuel delivery hose finished with a 3/4-inch automatic diesel nozzle. Each hose reel and delivery system will be provided with the appropriate swivels and connections to allow complete function of the hose reel and hose.
- 4.16 Roller guides will be provided for both diesel fuel reels to allow easy deployment of the hose as it is pulled in either the forward or the rearward direction in relation to the position of the vehicle.
- 4.17 The gasoline will be distributed from one Hannay electric hose reel, constructed of aluminum, with 50 feet of 3/4 inch Goodyear fuel delivery hose finished with a 3/4-inch automatic gasoline nozzle. The hose reel and delivery system will be provided with the appropriate swivels and connections to allow complete function of the hose reel and hose from the rear of the vehicle.
- 4.18 Roller guides will be provided for the gasoline reel to allow easy deployment of the hose.
- 4.19 The tank is to be provided with a fully skirted walkway on each side of the tank.
- 4.20 The tank will be provided with 70-inch long aluminum cabinets with vertically hinged doors on both sides of the tank.
- 4.21 The doors will be provided with vertical braces, extra wide "C" spring hold open devices, loose ping hinges with stainless steel pins and grease zerks. The latches are to be stainless steel.
- 4.22 An additional aluminum compartment with a long horizontally hinged door will be provided over each rear wheel.
- 4.23 An aluminum bucket box at the rear for meters and hose reels will be provided at the rear of the vehicle. The compartment will include two doors, one on each side for the hose reels, and one top hinged door at the rear for access to the plumbing, meters, and related components.
- 4.24 The rear or bucket box compartment at the rear of the vehicle will be illuminated by two or more lights mounted at the top of the compartment. The lights will illuminate the equipment within the compartment and the area immediately outside the compartment.
- 4.25 All lights, switches, and electrical wiring within the rear or bucket compartment will be suitable for class 1, division 1, group C atmospheres. This is intended to include the electric reels and associated switches.

- 4.26 The rear of the tank body will include steps and handholds on both sides to allow access to the manholes and fills.
- 4.27 The vehicle will be provided with appropriate metal placards on all four sides of the vehicle.
- 4.28 A 25-ft electrical cable with a large clamp will be used as a bonding cable between the fuel delivery vehicle and the receiving container. The cable may consist of a self-retracting wire coil with one end permanently attached to the vehicle and the clamp simply attached to a storage bracket or stud. The bonding cable will be located at the rear of the vehicle.
- 4.29 The rear of the body will be provided with four, two on each side, combined tail, brake, and turn signal lights. The lights should be LED type if possible.
- 4.30 Two, one on each side, clear back-up lights will be provided. The lights will automatically operate upon the placement of the transmission into Reverse.
- 4.31 All applicable clearance and marker lights should be LED type.

**5.00 PAINT AND FINISH**

- 5.01 The cab will be painted red.
- 5.02 The body will be left with a bright aluminum finish.
- 5.03 The City of Tulsa will provide the appropriate striping and lettering for the vehicle.