



INVITATION FOR SEALED BID

BID 02-506

**Description: 60,000 LB GVW Pull Truck
Department: PUBLIC WORKS**

NIGP Commodity Code(s): 070-47-00-000-0

Total pages including this page is 24

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 Web-site : www.cityoftulsapurchasing.org

you must notify the buyer **DARLENE DONICA** of your intent to bid by e-mail ddonica@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 web-site.

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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.

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 that 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

My Commission # _____

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.) _____

Person Authorized to Contract _____

Address _____

Telephone No. _____

FAX No. _____

Taxpayer Identification Number _____

Contact Person _____

Phone No. _____

Fax No. _____

E-mail address _____

Web-page Address _____

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.

BID 02-506
60,000 LB. GVW Pull Truck
NIGP CODE 070-47-00-000-0

FOR THE
CITY OF TULSA

PRICING

BIDDER AGREES TO FURNISH THE FOLLOWING IN ACCORDANCE WITH THE MINIMUM BID SPECIFICATIONS AT THE PRICES SHOWN:

Two (2) 60,000 lb. GVW Pull Truck per specification "A" \$ _____/ea \$ _____/total

MAKE AND
MODEL: _____

One (1) 60,000 lb. GVW Pull Truck per specification "B" \$ _____/ea

MAKE AND
MODEL: _____

For Further Information Please Contact: Jim laCourse @ 918-591-4068

**NOTE: BIDDERS MUST SUBMIT ONE (1) ORIGINAL BID AND TWO (2) COPIES,
EACH WITH ATTACHMENTS AS NECESSARY TO SHOW COMPLIANCE
WITH BID SPECIFICATIONS.**

BID 02-506
60,000 LB. GVW PULL TRUCK

INTENT:

THE INTENT OF THESE SPECIFICATIONS IS TO SET MINIMUM REQUIREMENTS, NOT TO OTHERWISE LIMIT BIDDING, FOR THE SUPPLY OF **ONE (1) OR MORE 60,000 LB. GVW Pull Truck** FOR THE CITY OF TULSA PUBLIC WORKS 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 ONE(1) COMPLETE ORIGINAL AND 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 THE INDUSTRY IN 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.

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.

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.

ALTERING BIDS:

Bids cannot be altered or amended after submission deadline. Any interlineation, alteration, or erasure made before opening time and date must be initialed by the signer of the bid, guaranteeing authenticity. Bids must be submitted in ink or typewritten. Penciling will not be accepted.

DELIVERY:

Delivery time must be stated in days in the appropriate spaces of the cover sheet. Indefinite terms such as “promptly”, “without delay”, etc., will not be given consideration. Failure to indicate delivery time shall be cause for rejection of the bid.

BIDDER AFFIDAVITS:

Each bidder shall accompany his bid with a fully executed and notarized copy of the attached Non-Collusion Affidavit and the Interest Affidavit. Failure to do so shall be cause for rejection of the bid.

PRICING:

Bid prices, unless otherwise specified, must be net, including transportation and handling charges fully prepaid by vendor To destination and subject only to cash discount for prompt payment of invoice.

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.

AWARD OF BID:

The bid shall be awarded to the firm whose proposal is responsive to the bid and is most advantageous to the City, considering the factors identified in the bid and Section 406E of Title 6, The Purchasing Ordinance set forth below:

406E. AWARD OF CONTRACT

1. Authority in the Mayor. The Mayor shall have the authority to award contracts within the purview of this chapter.
2. Lowest Secure Bidder. Contracts shall be awarded to the lowest secure bidder meeting specifications. Bid Specifications may include a point system for evaluating the lowest secure bid. In determining "lowest secure bidder", in addition to price, the following factors shall be considered:
 - a. The ability, capacity and skill of the bidder to perform the contract or provide the service required;
 - b. whether the bidder can perform the contract or provide the service promptly or within the time specified, without delay or interference;
 - c. the character, integrity, reputation, judgment, experience and efficiency of the bidder;

- d. the quality of performance of previous contracts or services;
- e. the previous and existing compliance by the bidder with laws and ordinances relating to the contract or service;
- f. the sufficiency of the financial resources and ability of the bidder to perform the contract or provide the service;
- g. the quality, availability and adaptability of the supplies or contractual services to the particular use required;
- h. the ability of the bidder to provide future maintenance and service for the use of the subject of the contract;
- i. where an earlier delivery date would be of great benefit to the requisitioning agency, the date and terms of delivery may be considered in the bid award, and
- j. the number and scope of conditions attached to the bid.
- k. if a point system has been utilized in the bid specifications, the number of points earned by the bidder.

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.

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 IN EVERY SUBCONTRACT OR PURCHASE ORDER OVER \$10,000, SO THAT THE PROVISIONS WILL BE BINDING UPON EACH SUBCONTRACTOR OR VENDOR.

NOTE ON THE FOLLOWING SPECIFICATIONS:

BIDDERS MUST COMPLETE EVERY SPACE IN SECTION 2, BIDDER'S PROPOSAL COLUMN. THE BIDDER MUST GIVE A DESCRIPTION OF THE ITEM BID INCLUDING DETAILS (SUCH AS SIZES, CAPACITIES, DIMENSIONS, MODEL NUMBERS, ETC.) AS REQUIRED TO SHOW COMPLIANCE WITH BID SPECIFICATIONS.

SIMPLY WRITING THE WORD "COMPLY" OR PUTTING A CHECK MARK ON EACH LINE IS NOT SUFFICIENT. THANK YOU.

SPECIFICATION "A"

EQUIPMENT

CURRENT YEAR MODEL 60,000 LB. GVW, Pull Truck. Truck must have capability of handling 120,000 GCW

MODEL YEAR: _____
 MANUFACTURER: _____
 MODEL NUMBER: _____

GROSS VEHICLE WEIGHT

60,000 LBS.

GVW: _____ LBS.

CAB

1. STYLE : Conventional Air Ride Cab
2. SEAT (S): Air ride driver seat and companion seat. Two seat belts w/shoulder restraints.
3. SEAT COVERING: Heavy-Duty Vinyl, tan or grey color.
4. SUNVISORS: (1) L.H. AND (1) R.H.
5. ARM RESTS: (1) L.H. AND (1) R.H.
6. INTERIOR LIGHTING: dome with door activated switches.
7. WINDSHIELD WIPERS: electric 2-speed intermittent with dual washers.
8. MIRRORS: Power exterior west coast style, heated, approximately 7" x 16" with 8" dia. Bolt on type convex heated mirrors, mounted on each side.
9. AIR CONDITIONING: factory installed, through-dash type.
10. GAUGES: full gauge package with factory audible alarms lights:
 - (A) Transmission Temp Gauge
 - (B) Tachometer
 - (C) Oil Pressure or Temp Gauge
 - (D) Air Pressure Gauge
 - (E) Speedometer
 - (F) Hour Meter
 - (G) Coolant Temp Gauge
 - (H) Shutdown switches and Derate system on the following.
 - (1) Low oil pressure
 - (2) Coolant temp gauge
 - (I) Rear axle temp gauge
 - (J) Air cleaner restriction gauge

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
- (A) _____
- (B) _____
- (C) _____
- (D) _____
- (E) _____
- (F) _____
- (G) _____
- (H) _____
- (1) _____
- (2) _____
- (I) _____
- (J) _____

CAB (CONT'D)

- 11. **ADDITIONAL INSTRUCTIONS:**
 INCLUDE THE FOLLOWING:
(A) Cigar lighter
(B) Factory installed am/fm radio
(C) Tinted glass throughout
(D) Tilting hood
(E) Full Headliner
(F) Full Rubber Floor Mat
(G) High Heat Warning Light for
Transmission
(H) Single Air Horns
(I) Two electric horns
(J) Front fender extensions
(K) Bug screen behind grill
(L) Exterior sunshade w/LED
clearance lights

- 11. _____

(A)
(B)
(C)
(D)
(E)
(F)
(G)

(H)
(I)
(J)
(K)
(L)

ENGINE

- 1. **FUEL:** Diesel.
- 2. **LITER:** 12
- 3. **HORSEPOWER 430** at engine-
governed speed
- 4. **DISPLACEMENT:** 732 CUBIC
INCH.
- 5. **TORQUE:** 1650 AT 1200 RPM.
- 6. **AIR CLEANER:** dry type, dual
replaceable elements with dash mounted
restriction indicator.
- 7. **MANUFACTURER & MODEL**
NUMBER OF ACCEPTABLE ENGINES
IS CATERPILLAR C12
- 8. **OIL FILTER:** full flow, spin-on
type.
- 9. **FUEL FILTER:** primary
- 10. **WATER SEPARATOR:** in-line,
racor 30 micron w/heater warn light
- 11. **STARTING AID:** 120 volt, 1500 watt,
electric block heater. Cab control electric
ether start.
- 12. **THROTTLE CONTROL:** in cab.
- 13. **ENGINE HOURMETER:** mounted
inside of cab.
- 14. **ADDITIONAL INSTRUCTIONS:**
(A) Electronic Engine Overspeed
Protection for PTO
(B) Engine Shutdown and Derate
System for Low Oil, Coolant
Temp and Coolant Leve
Manual fan override switch on panal
(fan on w/switch on)

- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____
- 6. _____
- 7. _____
- 8. _____
- 9. _____
- 10. _____
- 11. _____
- 12. _____
- 13. _____
- 14. _____
(A)
(B)
(C)

TRANSMISSION

- 1. **TYPE:** Manual
- 2. **SPEED:** Eighteen (18)
- 3. **MANUFACTURER:** Fuller
- 4. **MODEL NO.:** RTLO (F) 16918B
- 5. **P.T.O.** Hot Shift
- 6. **FLUID COOLER:** Oil cooler w/trans
lube pump. Synthetic Oil for Trans.
- 7. **CLUTCH:** 15.5" HD with self-
adjustment.
- 8. **TRANS TEMP GAUGE:** Include

- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____
- 6. _____
- 7. _____
- 8. _____

9. ADDITIONAL INSTRUCTIONS:
PTO to have enabler capability or "hot
shift" type with electronic "overspeed
protection" to prevent PTO from turning at
more RPMs than system designed for.
Must be geared to allow continuous
operation at 0-30 MPH. Electronic dash-
mounted controls with engagement light.
No levers or cables.
Must be able to shift PTO while truck is in
motion at 15-20 MPH. Chelsea 230 series.

9. _____

COOLING SYSTEM

1. RADIATOR: 1150 sq. in. largest
capacity available from the
manufacturer.
2. COOLANT RECOVERY SYSTEM: to
be included.
3. ADDITIONAL INSTRUCTIONS:
Include heavy-duty radiator with shrouded
fan and gravel/bug guard for radiator.

1. _____

2. _____

3. _____

ELECTRICAL SYSTEM

1. 12 VOLT SYSTEM
2. BATTERY (S):
(A) QUANTITY: Four
(B) C.C.A. EACH: 2600
3. ALTERNATOR AMP HOURS: 130
4. INCLUDE ALL LIGHTS AND
REFLECTORS TO COMPLY WITH
ALL FEDERAL AND OKLAHOMA
STATE LAWS FOR 24 HOUR
OPERATION ON ALL HIGHWAYS.
5. ADDITIONAL INSTRUCTIONS:
Largest available capacity as advertised by
the manufacturer.
6. 2- WAY RADIO WIRING EFFECT
7. BACKUP ALARM REQUIRED
8. Circuit Breakers

1. _____
2. _____

3. _____
4. _____

5. _____

6. _____
7. _____
8. _____

BRAKE SYSTEM

1. SERVICE BRAKES: Heavy-duty
tractor system full air all axles.
16-1/2" X 6" cam front and
16-1/2" x 7" cam rear.
2. PARKING BRAKE: Both rear axles
MGM with release valve.
3. GAUGE: Include air pressure
gauge and alarm.
4. ADDITIONAL INSTRUCTIONS
INCLUDE:: WABCO system saver 1200
air dryer w/automatic drain valves
Bendix DV-2

1. _____

2. _____

3. _____

4. _____

STEERING

TYPE: Tilt steering column with Hydraulic
power assist dual steering gears.

SUSPENSION

- 1. FRONT AXLE: 16,000 LBS. 1. _____
- 2. FRONT SPRINGS: 16,000 LBS. 2. _____
- CAPACITY.
- 3. REAR AXLE: 46,000 LBS. 3. _____
- 4. REAR AXLE SPEED: Single 4. _____
- 5. REAR AXLE RATIO _____ 5. _____
- 6. REAR AXLE MANUFACTURER & 6. _____
- STOCK NUMBER: Hendrickson HAS-
- 460-55 Air suspension
- 7. AUXILIARY SPRINGS: Mfg Std 7. _____
- 8. STABILIZER BAR (S): Mfg Std 8. _____
- 9. SHOCKS: heavy-duty 9. _____
- 10. ADDITIONAL INSTRUCTIONS: 10. _____
- Driver controlled main locking
- differential in forward and
- rear drive axles. Air dump valve for
- suspension. Oil type wheel seals for
- front and rear.

FRAME

- 1. SECTION MODULES: 22 1. _____
- 2. YIELD STRENGTH: 120,000 PSI. 2. _____
- 3. RBM: 2,654,000 LBS. 3. _____
- 4. REINFORCEMENT TYPE: _____ 4. _____
- **To be as required by the**
- manufacturer to adequately support a**
- full load under adverse conditions. Rear**
- frame tapered.**

WHEELBASE

TO BE COMPATIBLE WITH EQUIPMENT BEING BID. (SEE OPTIONS.) _____

CAB TO AXLE DIMENSION

TO BE COMPATIBLE WITH EQUIPMENT BEING BID. _____

FRONT BUMPTER TO BACK OF CAB DIMENSIONS

MANUFACTURER'S STANDARD INCHES. _____

WHEELS

- 1. FRONT SIZE: 22.5X9.00_Hub 1. _____
- piloted
- 2. FRONT TYPE: 10 hole disc 2. _____
- 3. REAR SIZE: 22.5X8.25_Hub 3. _____
- piloted
- 4. REAR TYPE: 10 hole disc 4. _____

TIRES

- 1. FRONT SIZE: 315/80R22.5, 18 ply, 1. _____
- tubeless
- 2. FRONT TREAD DESIGN: Highway 2. _____
- tread.
- 3. REAR SIZE: 11R22.5, 16 ply 3. _____
- tubeless
- 4. REAR TREAD DESIGN: mud and 4. _____
- snow
- 5. SPARE SIZE: required 5. _____
- 6. SPARE TREAD DESIGN: Mud and 6. _____
- snow.

SPECIFICATION "B"

EQUIPMENT

CURRENT YEAR MODEL 60,000 LB. GVW, Pull Truck. Truck must have capability of handling 120,000 GCW

MODEL YEAR: _____
 MANUFACTURER: _____
 MODEL NUMBER: _____

GROSS VEHICLE WEIGHT

60,000 LBS.

GVW: _____ LBS.

CAB

1. STYLE : Conventional Air Ride Cab
2. SEAT (S): Air ride driver seat and companion seat. Two seat belts w/shoulder restraints.
3. SEAT COVERING: Heavy-Duty Vinyl, tan or grey color.
4. SUNVISORS: (1) L.H. AND (1) R.H.
5. ARM RESTS: (1) L.H. AND (1) R.H.
6. INTERIOR LIGHTING: dome with door activated switches.
7. WINDSHIELD WIPERS: electric 2-speed intermittent with dual washers.
8. MIRRORS: Power exterior west coast style, heated, approximately 7" x 16" with 8" dia. Bolt on type convex heated mirrors, mounted on each side.
9. AIR CONDITIONING: factory installed, through-dash type.
10. GAUGES: full gauge package with factory audible alarms lights:
 - (A) Transmission Temp Gauge
 - (B) Tachometer
 - (C) Oil Pressure or Temp Gauge
 - (D) Air Pressure Gauge
 - (E) Speedometer
 - (F) Hour Meter
 - (G) Coolant Temp Gauge
 - (H) Shutdown switches and Derate system on the following.
 - (1) Low oil pressure
 - (2) Coolant temp gauge
 - (I) Rear axle temp gauge
 - (J) Air cleaner restriction gauge

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
- (A) _____
- (B) _____
- (C) _____
- (D) _____
- (E) _____
- (F) _____
- (G) _____
- (H) _____
- (1) _____
- (2) _____
- (I) _____
- (J) _____

CAB (CONT'D)

11. **ADDITIONAL INSTRUCTIONS:**
 INCLUDE THE FOLLOWING:
(A) Cigar lighter
(B) Factory installed am/fm radio
(C) Tinted glass throughout
(D) Tilting hood
(E) Full Headliner
(F) Full Rubber Floor Mat
(G) High Heat Warning Light for
Transmission
(H) Single Air Horns
(I) Two electric horns
(J) Front fender extensions
(K) Bug screen behind grill
(L) Exterior sunshade w/LED
clearance lights

11. _____

 (A) _____
 (B) _____
 (C) _____
 (D) _____
 (E) _____
 (F) _____
 (G) _____

 (H) _____
 (I) _____
 (J) _____
 (K) _____
 (L) _____

ENGINE

1. **FUEL:** Diesel
 2. **LITER:** 12
 3. **HORSEPOWER 430** at engine-
governed speed
 4. **DISPLACEMENT:** 732 CUBIC
INCH.
 5. **TORQUE:** 1650 AT 1200 RPM.
 6. **AIR CLEANER:** dry type, dual
replaceable elements with dash mounted
restriction indicator.
 7. **MANUFACTURER & MODEL**
NUMBER OF ACCEPTABLE ENGINES
IS CATERPILLAR C12
 8. **OIL FILTER:** full flow, spin-on
type.
 9. **FUEL FILTER:** primary
 10. **WATER SEPARATOR:** in-line,
racor 30 micron w/heater warn light
 11. **STARTING AID:** 120 volt, 1500 watt,
electric block heater. Cab control electric
ether start.
 12. **THROTTLE CONTROL:** in cab.
 13. **ENGINE HOURMETER:** mounted
inside of cab.
 14. **ADDITIONAL INSTRUCTIONS:**
(A) Electronic Engine Overspeed
Protection for PTO
(B) Engine Shutdown and Derate
System for Low Oil, Coolant
Temp and Coolant Leve
(C) Manual fan override switch on
panal (fan on w/switch on)

1. _____
 2. _____
 3. _____
 4. _____
 5. _____
 6. _____
 7. _____
 8. _____
 9. _____
 10. _____
 11. _____
 12. _____
 13. _____
 14. _____
 (A) _____
 (B) _____

 (C) _____

TRANSMISSION

1. **TYPE:** Manual
 2. **SPEED:** Eighteen (18)
 3. **MANUFACTURER:** Fuller
 4. **MODEL NO.:** RTLO (F) 16918B
 5. **P.T.O.** Hot Shift
 6. **FLUID COOLER:** Oil cooler w/trans
lube pump. Synthetic Oil for Trans.
 7. **CLUTCH:** 15.5" HD with self-
adjustment.
 8. **TRANS TEMP GAUGE:** Include

1. _____
 2. _____
 3. _____
 4. _____
 5. _____
 6. _____
 7. _____
 8. _____

TRANSMISSION (CONT'D)

9. **ADDITIONAL INSTRUCTIONS:**
PTO to have enabler capability or "hot shift" type with electronic "overspeed protection" to prevent PTO from turning at more RPMs than system designed for.
Must be geared to allow continuous operation at 0-30 MPH. Electronic dash-mounted controls with engagement light.
No levers or cables.
Must be able to shift PTO while truck is in motion at 15-20 MPH. Chelsea 230 series.

9. _____

COOLING SYSTEM

1. **RADIATOR:** 1150 sq. in. largest capacity available from the manufacturer.
2. **COOLANT RECOVERY SYSTEM:** to be included.
3. **ADDITIONAL INSTRUCTIONS:**
Include heavy-duty radiator with shrouded fan and gravel/bug guard for radiator.

1. _____

2. _____

3. _____

ELECTRICAL SYSTEM

1. **12 VOLT SYSTEM**
2. **BATTERY (S):**
(A) QUANTITY: Four
(B) C.C.A. EACH: 2600
3. **ALTERNATOR AMP HOURS:** 130
4. **INCLUDE ALL LIGHTS AND REFLECTORS TO COMPLY WITH ALL FEDERAL AND OKLAHOMA STATE LAWS FOR 24 HOUR OPERATION ON ALL HIGHWAYS.**
5. **ADDITIONAL INSTRUCTIONS:**
Largest available capacity as advertised by the manufacturer.
6. **2- WAY RADIO WIRING EFFECT**
7. **BACKUP ALARM REQUIRED**
8. **Circuit Breakers**

1. _____
2. _____

3. _____
4. _____

5. _____

6. _____
7. _____
8. _____

BRAKE SYSTEM

1. **SERVICE BRAKES:** Heavy-duty tractor system full air all axles.
16-1/2" X 6" cam front and
16-1/2" x 7" cam rear.
2. **PARKING BRAKE:** Both rear axles MGM with release valve.
3. **GAUGE:** Include air pressure gauge and alarm.
4. **ADDITIONAL INSTRUCTIONS**
INCLUDE:: WABCO system saver 1200 air dryer w/automatic drain valves
Bendix DV-2

1. _____

2. _____

3. _____

4. _____

STEERING

TYPE: Tilt steering column with Hydraulic power assist dual steering gears.

SUSPENSION

- 1. FRONT AXLE: 16,000 LBS. 1. _____
- 2. FRONT SPRINGS: 16,000 LBS. 2. _____
- CAPACITY.
- 3. REAR AXLE: 46,000 LBS. 3. _____
- 4. REAR AXLE SPEED: Single 4. _____
- 5. REAR AXLE RATIO _____ 5. _____
- 6. REAR AXLE MANUFACTURER & 6. _____
- STOCK NUMBER: Hendrickson HAS-
- 460-55 Air suspension
- 7. AUXILIARY SPRINGS: Mfg Std 7. _____
- 8. STABILIZER BAR (S): Mfg Std 8. _____
- 9. SHOCKS: heavy-duty 9. _____
- 10. ADDITIONAL INSTRUCTIONS: 10. _____
- Driver controlled main locking
- differential in forward and
- rear drive axles. Air dump valve for
- suspension. Oil type wheel seals for
- front and rear.

FRAME

- 1. SECTION MODULES: 22 1. _____
- 2. YIELD STRENGTH: 120,000 PSI. 2. _____
- 3. RBM: 2,654,000 LBS. 3. _____
- 4. REINFORCEMENT TYPE: _____ 4. _____
- **To be as required by the**
- manufacturer to adequately support a**
- full load under adverse conditions. Rear**
- frame tapered.**

WHEELBASE

TO BE COMPATIBLE WITH EQUIPMENT BEING BID. (SEE OPTIONS.) _____

CAB TO AXLE DIMENSION

TO BE COMPATIBLE WITH EQUIPMENT BEING BID. _____

FRONT BUMPTER TO BACK OF CAB DIMENSIONS

MANUFACTURER'S STANDARD INCHES. _____

WHEELS

- 1. FRONT SIZE: 22.5X9.00_Hub 1. _____
- piloted
- 2. FRONT TYPE: 10 hole disc 2. _____
- 3. REAR SIZE: 22.5X8.25_Hub 3. _____
- piloted
- 4. REAR TYPE: 10 hole disc 4. _____

TIRES

- 1. FRONT SIZE: 315/80R22.5, 18 ply, 1. _____
- tubeless
- 2. FRONT TREAD DESIGN: Highway 2. _____
- tread.
- 3. REAR SIZE: 11R22.5, 16 ply 3. _____
- tubeless
- 4. REAR TREAD DESIGN: mud and 4. _____
- snow
- 5. SPARE SIZE: required 5. _____
- 6. SPARE TREAD DESIGN: Mud and 6. _____
- snow.

FUEL TANK (S)	1. QUANTITY: <u>one</u> 2. CAPACITY: <u>100</u> GALLONS EACH. 3. TOTAL CAPACITY: <u>100</u> GALLONS. 4. TYPE AND CONSTRUCTION: <u>Step tanks, all aluminum</u> <u>construction. Non-slip Grid steps.</u> 5. ADDITIONAL INSTRUCTIONS: _____ _____	1. _____ 2. _____ 3. _____ 4. _____ 5. _____ _____
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UNDERCOATING	<u>AS PER CITY OF TULSA STANDARD</u> <u>NO. 00001.</u>	_____
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PAINT	<u>MANUFACTURER'S STANDARD</u> <u>WHITE</u>	_____
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BUMPERS	1. FRONT: <u>0.189 inch formed steel.</u> 2. TOW HOOKS: <u>One (1) frame</u> <u>mounted loop.</u> 3. REAR: <u>not required.</u> 4. HITCH: <u>See options section.</u> 5. ADDITIONAL INSTRUCTIONS <u>Include front frame attached center</u> <u>tow loop.</u>	1. _____ 2. _____ 3. _____ 4. _____ 5. _____ _____ _____
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ADDITIONAL	1. ADDITIONAL ACCESSORIES AND/OR INSTRUCTIONS: (A) Complete trailer package for pulling air brake trailers, plumbed to rear of frame; to include 7-way electrical connector. With hand valve. (B) Dual aluminum rounded tandem full fenders with heavy-duty mounting brackets. Fenders mounted so that fifth wheel no-tilt pin will clear fenders. With heavy-duty mud flaps. (C) Holland FW35 Air slide 5 th wheel . (D) Coiled air and electrical lines mounted to headache rack. (E) Frame width 6-5/8" OD tailroller with replaceable bearings. 8" x 1-1/4" side plates and an overload roller and tapered frame. 5 th wheel ramps and tailroller will allow the City's Lowboy trailer to be hitched without blocking up the trailer. (F) Oil field type headache rack manufactured 2-1/2 & 3-1/2" sch. 80 pipe. The rack is to have locking storage for chains and boomers. Rack to protect winch and cab. (G) All electrical, air and hydraulic connectors are to be stored on headache rack. (H) Braden Model AHS10-18B or equal hydraulic-driven worm gear winch 30,000 lb. capacity. Installed on high mount brackets, 150 ft. of 3/4 cable with tail chain and hook swaged on. (J) Two (2) parts CD Rom. (K) Two (2) service CD Rom.	1. ADDITIONAL ACCESSORIES AND/OR INSTRUCTIONS: (A) _____ _____ _____ (B) _____ _____ _____ (C) _____ (D) _____ _____ (E) _____ _____ _____ (F) _____ _____ _____ (G) _____ _____ _____ (H) _____ _____ _____ (J) _____ (K) _____
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ADDITIONAL (CONT'D)

(L) Extended warranty on truck for 5 years or 150,000 miles on engine, transmission, engine electronics, chassis electronics.

(L) _____

(M) Jacobs Engine Brake

(M) _____

(N) 20,000 lb Lift axle in front of tandems. Self steering Watson model #SL2089 Tru-Track or equal.

(N) _____

(O) Right passenger door to have a look-down traffic window and look-down mirror.

(O) _____
