City of Conway – Mayor's Office
1201 Oak Street
Conway, AR 72032
www.cityofconway.org

CANCELLED

Invitation and Bid # 2010-14

INVITATION

TO THE VENDOR ADDRESSED:

Bidders are invited to furnish the items listed herein in accordance with the terms and conditions attached. **Sealed** bids must be in the hands of the Mayor not later than **10 am, February 23, 2010** at which time all bids will be opened and read in the Downstairs Conference Room in City Hall. Successful bidders will receive purchase order, if necessary **within 30 days after the City Council approval.** ***Unsigned bids will be rejected.***

City of Conway, AR

CANCELLED

2010 Automated Side Loading Refuse Truck – Sanitation Dept

*** SPECIFICATIONS – AUTOMATED SIDE LOADING REFUSE TRUCK***

It is intended that the following set of bid specifications be used as a guideline

- *2010 new and unused automated side loading refuse truck.*
- *The body must be capable of compacting and transporting refuse to a landfill and dispensing the load by hydraulically ejecting the load from the rear of the body.*
- *The truck must be able to maintain a highway speed of 70 mph.*
- *Equipment must be ready to use when delivered on site.*
- *Bidder must have a complete parts and service center for the chassis and packer body within a 60 mile radius of the City of Conway and have on hand a representative amount of parts suggested by the manufacture.*
- *The service center must have factory trained technicians at their facility.*
- *Parts, service, and operator's manuals must be provided with this unit. A complete copy of the warranty for the chassis and packer body must be provided.*
- *Awarded bidder shall deliver the complete unit within 120 days after receiving notice of award via a City of Conway issued, signed, and dated Purchase Order.*
- *All specifications are set at a minimum. Any exceptions must be listed and summated to the City of Conway Sanitation Dept. within five business days before bid is awarded.*
- *All cylinders shall have a five year manufacturer's warranty.*

GENERAL SPECIFICATIONS:

1. Truck must have a minimum GVW of 58,000lbs.
2. Cab must be low entry cab over design.
3. Cab to axle measurements shall be 192".
4. Refuse body shall be a minimum of 28 cubic yards.
5. Truck must meet requirements for severe duty operations.
6. Right hand drive only will be accepted.

ENGINE:

1. 6 cylinder in-line water cooled turbo diesel.
2. Shall provide a minimum of 350hp/ 1250 lb-ft.
3. Shall have a 120 volt AC engine block heater with a plug mounted in the front of the truck.
4. Shall be equipped with extended life coolant.

5. A gear driven air compressor shall be provided.

TRANSMISSION:

1. Allison 4500 RDS.
2. Electronic push-button shift console.
3. Water to oil cooler.
4. Transmission PTO mounting option required.

FRONT AXLE:

1. Front axle shall be a minimum of 18,000lbs.
2. Front springs shall be 18,000lbs tapered leaf springs.
3. Front shock absorbers are required.

REAR AXLE:

1. Rear axle capacity shall be a minimum of 40,000lbs.
2. Axle shall be rear leaf spring design.
3. Shall have a driver controlled differential lock.

BRAKES:

1. Air brakes must be provided.
2. Steer and drive axles must have automatic slack adjusters.
3. Both drive axles must be park brake equipped.
4. Air tanks must have drain valves.
5. An air dryer is required.

FUEL TANK:

1. Fuel tank shall provide a minimum of 80 U.S. gallons.

CAB EXTERIOR:

1. The cab must be painted DuPont # 96939 Bengal Tan.
2. Heated West Coast and convex style mirrors shall be mounted to the cab with breakaway features.

CAB INTERIOR:

1. Driver's seat shall be air ride equipped.

2. Gauges shall include; speedometer, tachometer, engine oil pressure, engine temperature, voltmeter, air pressure, and fuel gauge.
3. An AM/FM radio shall be provided.
4. Cab interior grab handles.
5. Safety belts shall be standard.
6. Driver and passenger side sun visors.
7. Air conditioning and heat is required.

WHEELS AND TIRES:

1. Front and rear wheels shall be 22.5 hub pilot design.
2. Hubs shall be oil lubricated.
3. Tires shall be manufacturer recommended for this application.

STEERING:

1. Power steering with a sight glass reservoir.
2. Multi position tilting steering column.

EXHAUST:

1. A vertical mounted muffler and tail pipe shall be mounted on the left side of the vehicle.

ELECTRICAL SYSTEM:

1. 12-volt 160 amp alternator.
2. 3 batteries (12 volt) with 650/1950 cca.
3. Reset circuit breakers.
4. 102 dba back up alarm.
5. Work lights shall be mounted on the arm, hopper, and back up position.
6. A colored camera system with an arm, hopper, and reverse camera must be provided.

REFUSE BODY:

1. The minimum capacity of the body shall be 28 cubic yards excluding the hopper.
2. The minimum capacity of the hopper shall be 5 cubic yards.
3. The body shall pack a minimum of 900 lbs. per cubic yard.
4. Refuse body shall be painted Du Pont #546 Green.

BODY DIMENSIONS:

1. Maximum width shall be 96”.
2. Maximum length shall be 284 “.
3. Maximum height above the chassis frame shall be 103”.

BODY CONSTRUCTION:

1. The body floor shall be flat without a trough.
2. The body sides and roof shall be curved and smooth.
3. No hydraulic cylinders, hoses, or control valves shall come in contact with refuse being packed into the body.
4. Roof and sides shall be continuously welded and interlacing with the main frame bolsters.
5. Floor shall be a minimum of 3/16” x 150,000 psi yield flat steel.
6. Floor bracing shall be 3”x6”x10 gauge 80,000 psi yield channels on 18” centers.
7. Body roof shall be a minimum of 8 gauge, 80,000psi yield steel fully welded to an 8 gauge inner and an 11 gauge outer roof crown rail.
8. Body sides shall be a minimum of 8 gauge, 80,000psi yield steel fully welded to the roof crown rail and the body floor.
9. The front floor area of the body shall have a sump with a minimum of 40 gallon capacity. Sump shall have a sealed clean out door on each side of the body.

HOPPER:

1. Hopper shall be flat with straight vertical sides.
2. Hopper shall be a minimum of five (5) cubic yards.
3. Hopper floor shall be a minimum of ¼” x 150,000psi yield steel.
4. Hopper sides shall be a minimum of 3/16” x 150,000psi yield steel.
5. A 26” x 38” access door shall be located on the left side of the hopper wall.

PACKER PANEL:

1. Packer panel shall have a minimum of 60” of travel before returning to the home position.
2. The maximum cycle time shall be 14 seconds.
3. A proximity switch shall automatically reverse the packer panel and return it to the home position.
4. The packer panel face shall be a minimum of ¼” x 80,000psi yield steel.

5. A follower plate shall be a minimum of 7 gauge, 50,000psi yield steel and attached to the top of the packer panel as to prevent refuse from being dumped behind the packer panel.

6. Packing cylinders shall be two (2) double acting, multi-stage cylinders.

7. Cylinders shall be 5 ½"x 4 ½ "x3 ½" bore x 151" stroke hydraulic cylinders.

8. Packer cylinders shall be capable of extending to the rear most of the body to dispense the load.

TAILGATE:

1. Tailgate shall be constructed of a minimum of 10 gauge, 80,000psi yield steel on the rear and side walls.

2. Tailgate shall be reinforced with a minimum of 10 gauge, 80,000psi yield horizontal boxed brace.

3. Tailgate shall be hinged at the top with two (2) hinges with 2" greaseable pins.

4. A rubber seal shall be full length at the bottom and 60" up the sides.

5. Tailgate shall be raised and lowered by two (2) hydraulically actuated cylinders. Cylinders shall be a minimum of 3" bore x 35 ¼" stroke with 1 ½" rod.

6. Tailgate shall be locked hydraulically by two (2) hydraulic cylinders with 3" bore x 3.62" stroke with 1 ½" rod.

LIFTING ARM:

1. The arm shall be a 4 ½" x 9 ½" tube structure and be supported by a 4" x 6" structure.

2. The lift arm base shall be ½" x16" x 61", 50,000psi yield steel and be bolted to the chassis frame rails.

3. The lifting mechanism shall be capable of lifting a minimum of 1000 lbs.

4. Lifting arm shall have a minimum of 9" of reach.

5. Dumping cycle time shall be a minimum of 6 seconds at an idle.

6. Arm shall be capable of extending, grabbing, raising, dumping, and returning the container from any position without the need to retract the lift arm.

7. All hinge points shall be greaseable.

8. Reach cylinder shall be one (1) dual acting 3.14" bore x 16" stroke with a 1.57" rod hydraulic cylinder.

9. Grip and release cylinder shall be one (1) dual acting 3.14" bore x 8" stroke x 1.57" rod hydraulic cylinder.

10. Lift cylinder shall be one (1) dual acting 3.14" bore x 16" stroke x 1.57" rod hydraulic cylinder.

11. Lift controls shall be self centering, returning to neutral. Lift arm functions shall not interfere with the packing cycle.

12. In cab controls shall be a joystick that is mounted conveniently for the operator. Another set of controls shall be mounted by the driver's lower portion of the seat. Controls shall be mounted to allow the operator to reach, lift, dump, and return the container from outside the driver's station.

13. Grip gears shall be sealed and encased in 80-90 gear oil to prevent wear and keep them free of debris.

14. Grippers shall be capable of dumping 30 to 300 gallon containers.

HYDRAULICS:

1. Minimum operating pressure shall be 2500psi.

2. Pump shall be a tandem, dual vane, and front mounted pump producing 40 GPM at 700 RPM.

3. All hydraulic tubes shall be mounted securely to prevent vibration and abrasion.

4. Hydraulic shall hold 50 US. Gallons.

5. System shall have a replaceable, it-tank, return line filter and a washable suction line screen.

6. Hydraulic control valves shall be air or electric over hydraulic.

Additional Information

The bidder shall include all charges, including taxes, fees, and shipping. (If applicable)

The bidder needs to include an anticipated delivery date. (If applicable)

In submitting this bid, it is understood by the undersigned bidder that the right is reserved by the City of Conway to reject any and all bids:

Contact Information: Cheryl Harrington
Cheryl.harrington@cityofconway.org
City of Conway Sanitation Department
(501)450-6155

Bid Specifications can be obtained from our website:
www.cityofconway.org

****Please be sure to mark envelope:**
Bid Number 2010-14
Bid Opening Date: February 23, 2010

City of Conway
2010-14 Automated Side Loading Refuse Truck
Bid Opening Date: February 23, 2010
City Hall - Downstairs Conference Room @ 10:00am
www.cityofconway.org

Total Cost of 2010 Automated Side Loading Refuse Truck

$ _____

Unsigned bids will be rejected:

Authorized Agent Bidding on this project:

_____
Company Name

_____
Company Representative Name

_____
Representative's Signature

_____
Address Email Address

_____
City State Zip

_____
Telephone Number Fax Number

_____
Date

Please feel free to submit additional information on this bid on a separate piece of paper; however this sheet should be included & signed with any bid submitted.

City of Conway – Mayor's Office
Terms & Conditions
www.cityofconway.org
Important – Read Carefully

By Submission of bid, bidder certifies that he has read all terms and conditions and that bid is submitted in accordance therewith.

1. Prices quoted will be considered to be net prices unless otherwise stated by the bidder. Cash discounts requiring payments in less than 30 days will not be considered in making awards.
2. Prices quoted shall be FOB Conway unless otherwise specifically stated on proposal. In either case, delivery charges must be prepaid.
3. All charges including taxes, shipping, freight, and any miscellaneous taxes shall be included in prices quoted, if applicable.
4. Bidder certifies that he will make delivery of items for which he bids within 10 days after receipt of award – ***unless otherwise specifically stated***. Time of delivery in excess of 10 days may be considered a factor in making awards.
5. In case of default of contractor in making deliveries as per contract, the City may procure the articles or services from other sources and hold the contractor responsible for all excess costs occasioned thereby. Bidder's record as to satisfactory performance under previous contracts will be considered a factor in making awards and retention on bid lists.
6. The City reserves the right to reject any or all bids, in part or in whole and to waive information in bids received.
7. If not otherwise specified, bidder must furnish brand names with catalog number, if any, on items which are offered as "equal." In all such cases the burden of establishing equality is upon the bidder and failure to do so within a reasonable time may result in rejection. Alternative bids will not be considered unless no other type bid for the item is received.
8. In the case of equal or tie bids, preference will be given to Arkansas bidders. Other than as stated in the first sentence, awards on tie bids will be made at the discretion of the purchasing official. In such cases, "splitting" will be avoided and awards of previous contract(s) to one or more of the bidders will not be a factor.
9. In the event that bidder is unable to furnish all of an item, bids on portions thereof may be considered.
10. Final inspections and acceptance or rejection will be made after delivery. Items rejected because of non-conformance shall be removed and replaced immediately with those which meet specifications, all at the expense of the contractor. In the event that necessity requires the use of non-conforming items, payment therefore will be made at a proper reduction in price which shall be not greater than contractor's actual cost by purchase, fabrication, manufacture or other production method plus transportation paid to carriers. All costs in connection with testing items that do not meet specifications shall be paid by contractor.
11. Quality, time of performance, probability of performance, and location of bidder will be factors in awards of all contracts.
12. The City reserves the right to purchase any, all or none of the items listed, in combinations thereof that may be in the best interest of the City of Conway.

13. The City reserves the right to change any specifications, terms and/or conditions at any time, with adequate notice in writing to bid invitees of those changes, if any.
14. The City is qualified for "GSA" pricing schedules***, if available and applicable***.
15. The City reserves the right to waive any informalities or minor defects, but this shall not be construed to indicate waiver of any specification, term and/or condition unless in the best interest of the City in the judgment of the City.
16. **CONSTRUCTION/INSTALLATION:** Any construction work that is worth $20,000 or more must comply with Arkansas Code Annotated § 22-9-204.
17. **Arkansas Prevailing Wage Law A.C.A. §22-9-301 through 3-15:** The City of Conway, general contractors or any subcontractors is subject to the Arkansas Prevailing Wage Law, A.C.A. **§22-9-301 through 3-15.** The Labor Standards Division enforces laws related to prevailing wage (PDF). Arkansas's prevailing wage law is commonly referred to as the "little Davis-Bacon Act." The law requires the division to issue a wage determination for each public works project where the cost of all labor and materials exceeds $75,000. *Exemptions are public school construction; work done for or by any drainage, improvement, or levee district; highway, road, street or bridge construction and maintenance, or related work contracted for or performed by incorporated towns, cities, counties, or the Arkansas Highway Department.* If you need a copy of the Prevailing wage Regulation and Laws that are required; this information is available at http://www.arkansas.gov/labor/pdf/prevailing_wage_regs.pdf .
18. **PROHIBITED INTEREST CONDITION:** No official of the City authorized on behalf of the City to specify, plan, design, negotiate, make, accept or approve, or take part in specifying, planning, negotiating, making, accepting or approving any construction or material purchase contract or any subcontract in connection with any purchase made by the City of Conway shall become directly or indirectly interested personally in the purchase in the purchase or any part thereof.
19. **EQUAL OPPORTUNITY IN EMPLOYMENT:** All qualified bidders will receive consideration without regard to race, color, religion, sex, age, disability or national origin.