



SPECIFICATIONS AUTOMATED REFUSE TRUCK

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**ADVERTISEMENT FOR BIDS
CITY OF FOND DU LAC**

2011-106

NOTICE IS HEREBY GIVEN that sealed bids will be received in City Administrative offices located on the fourth floor of the City-County Government Center, 160 South Macy Street, Fond du Lac, Wisconsin 54936-0150 on or before 2:00 PM Tuesday, December 20, 2011 at which time bids will be publicly opened and read aloud in the City Manager's conference room. Telephone and Fax bids will not be accepted.

Specifications and Proposal Forms may be obtained in City Administrative offices. Proposals shall be submitted on forms supplied by the City of Fond du Lac and placed in bidder's own sealed envelope marked **"SEALED BID – AUTOMATED REFUSE TRUCK, FILE NO. 2011-106"**.

Only one bid shall be submitted in each sealed envelope.

Late proposals will not be accepted under any circumstances. Any proposal(s) received after the scheduled time for closing will be returned to the proposing firm unopened. Sole responsibility rests with the proposing firm to see that their proposal is received on time.

The City of Fond du Lac reserves the right to accept or reject any or all bids and to accept the bid deemed most advantageous to the City.

DEPARTMENT OF PUBLIC WORKS

Advertised December 6th and 13th, 2011

AUTOMATED REFUSE TRUCK SPECIFICATIONS

It is the intent of these specifications to describe the minimum requirements for an automated refuse truck

- 1) The bid price shall be F.O.B. City of Fond du Lac, 530 Doty Street, Fond du Lac, WI. 54935
- 2) Bid price shall NOT include any federal or state taxes.
- 3) Bidder shall furnish a separate letter which will fully explain the conditions of warranty and or guarantee.
- 4) The bidder shall submit their proposal on the forms furnished by the city.
- 5) Any deviations from these specifications shall be noted in writing by the bidder. When variations are not stated clearly, it will be understood the bidder proposed to meet all details of the specifications.
- 6) One (1) set of factory service manuals to include emissions manual, & parts manuals shall be furnished by the successful bidder.
- 7) Trade-in: City No. 208, 2004 International 7400 4X2 w/ Labrie Expert 2000 17 yard box with "Helping hand" automated side loader cart tipper. Serial #1HTWCAAR94J084293. 5972 hours as of November 15, 2011. Mileage as of same date is 46,820.
- 8) Bid price shall include title and registration fee, tire and plate transfer or new Plate.
- 9) Any items not specifically described, but required for operation, or provided as standard equipment by the manufacturer, are to be provided

CHASSIS REQUIREMENTS INTERNATIONAL 7400 6X4

GENERAL Manufacturer's G.V.W. 56,000 lbs.

- Manufacturer's Year: 2011 or 2012
- Body style requirement: Conventional cab
- Fuel tank 80 gal. (minimum)

AXLES

- Front Axle G.V.W.R. 16,000 lbs.
- Rear Axle G.V.W.R. 40,000 lbs.
- Single speed, 5.57 Ratio

SUSPENSION

- Rear suspension shall be air (Hendrickson HMX-400-54), 40,000 lb. capacity

ENGINE 6 Cylinder, 300H.P. 800 lb-ft torque at 1400 R.P.M. Int. DT466

- 16.5 cu ft air compressor
- Heavy duty starting system
- Left side vertical exhaust with heat shield
- Front mounted PTO drive flange

TRANSMISSION Allison 3500 RDS P 6 speed automatic

- Auxiliary transmission cooler
- Provisions for a auto neutral system

BRAKES Air Brakes

- 16.5"x 6" S-cam Front Brakes
- 16.5"x7" S-cam Rear Brakes
- Non-Asbestos brake lining
- Bendix air dryer (Ad-Lp Twin) with heaters and Evenflo module.
- Automatic slack adjusters

ELECTRICAL 12-volt negative ground

- Battery-3 Each, 1950 CCA
- Alternator 130 amp Leece-Neville M105R
- Delco starter
- Circuit breakers in lieu of fuses

ACCESSORIES Left and Right hand controls

- Engine hour meter
- Low oil pressure and high coolant temperature light and alarm
- Sun visors

- Mirror type = Breakaway type w/integral convex (both sides) heated, w/clearance lights, electrically powered both sides of cab
- Dual Air ride clothe seats
- AM/FM radio
- Delay wipers
- Air Conditioning

NOTE: All controls; wipers, turn signals, heater etc. must be accessible from both driving stations

CAB OR BODY

- Right hand gauges
- Factory installed dual steering
- Color of cab shall be WHITE

TIRES 22.5 X 8.25 HUB PILOTED ACCURIDE STEEL WHEELS

- 315/80-r22.5 front tires highway tread,
- 11r22.5 rear tires mud and snow
- 1 spare rim

PACKER REQUIREMENTS

AUTOMATED REFUSE BODY, 31CUBIC YARD CAPACITY ON A TANDEM AXLE CHASSIS

BODY

- Body floor and lower side walls to be Hardox steel.
- Sides 12 Ga. A-607 T1 abrasion resistant steel
- Roof 12 Ga. A-607 T1 abrasion resistant steel
- Tailgate 12 Ga. A-607 T1 abrasion resistant steel

HOPPER

- Capacity 6 cubic yard fully enclosed, directly behind cab
- Floor and sides ¼” Hardox 450 steel
- Hydraulically operated crusher panel

HYDRAULICS

- 66 Gal. Hydraulic oil reservoir
- 3,000 PSI maximum pressure
- 100 mesh strainer at pump inlet w/ manual shutoff
- 7 micron in-tank return filter at 150 GPM
- Quadruple braided wire hoses with nylon wrap
- Extensive hydraulic zinc chromate tubing to minimize use of hydraulic hoses
- Packer operation shall be done using electric over hydraulic (Air over hydraulic will not be accepted).

CYLINDERS

- Front mounted telescopic hoist 180” stroke, 4 stage, 6.5” bore.
- Outer cover and bottom lifting
- Two (2) 2.5” double acting cylinders activate the tailgate

ELECTRICAL

- All switches shall be watertight and shall be mounted in anti-corrosion
- All circuits to circuit breaker protected with color coded and numbered wiring

PAINT

- Body and hopper sandblasted
- Two (2) coats of quality primer
- Fog coat and finishing coat of BLUE color polyurethane type paint (Dupont Imron N2240HN)

AUTOMATED ARM

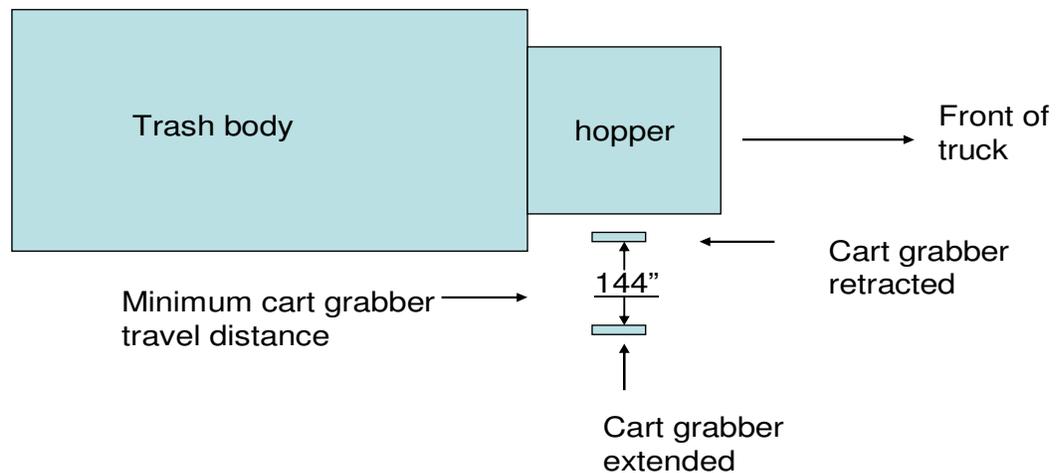
- Automated arm reach shall be minimum of 144” from center of grabber fully retracted to center of grabber fully extended as described in the enclosed diagram. This shall be the minimum travel of the cart grabber. See diagram below.

- Automated arm shall have a spill shield to prevent trash spillage.
- Automated arm shall have electric over hydraulic controls.

OPTIONAL EQUIPMENT

- Right and left side controls
- Rear alternating flashing lights
- 31 yard capacity minimum
- Drive & pack system,
- Pack at idle.
- Dual camera system: One (1) hopper camera, & One (1) backup camera activated when in reverse.
- All controls must be accessible from both left and right drivers positions
- Cart counter
- Any item not specifically mentioned in these specifications, but normally included in the complete unit shall be included.

PLEASE NOTE: A Demo unit will be considered if it meets with the City of Fond du Lac's approval. If a demo unit is bid it must be on a separate bid proposal.



PROPOSAL
AUTOMATED REFUSE TRUCK

To: City of Fond du Lac
Fond Du Lac, WI. 54935

We, the undersigned, propose to furnish the City of Fond Du Lac, Fond Du Lac, Wisconsin, with the following equipment as herein specified by us in accordance with the specifications hereto attached:

ONE (1) _____ \$ _____
Make and Model REFUSE TRUCK

Less Trade-in City # 208: 2004 Int. w/ Labrie Expert 2000 17 yd. box. Automated Labrie "Helping Hand" cart grabber. Serial #1HTWCAAR94J084293, 46,820 miles, 5972 hours as of November 15, 2011.

Less Trade \$ _____

Net Bid \$ _____

NAME OF COMPANY _____

BY _____ **TITLE** _____

ADDRESS _____

DATE _____ **TELEPHONE NUMBER** _____

SIGNATURE _____