

CITY OF THREE RIVERS, MICHIGAN

SPECIFICATIONS FOR BIDS

for

Biosolids Hauling Truck

All vendors are encouraged to submit bids, which conform to the stated specifications, as well as, suggested deviations from the specifications, which in the vendor's opinion would be beneficial to the City in terms of price and performance. The City reserves the right to accept or reject any bid under these terms.

I. Instructions to Bidders.

- A. Bidding information is available on the City of Three Rivers website by contacting Doug Humbert (269) 273-5885 or at DHumert@threeriversmi.org.
- B. Bids must be submitted in sealed envelopes, clearly marked on the outside, "Bids for BIOSOLIDS HAULING TRUCK". **FAX bids will not be considered.**
- C. Bids will be received by the Office of the City Clerk, City Hall, Three Rivers, Michigan, until 11:00 AM local time, Wednesday, July 9, 2014. All bids will be date stamped and time marked.

II. Conditions Applicable to Bids.

- A. Applicable Laws: The Ordinances and Charter of the City and laws of the State of Michigan concerning competitive bidding, contracts and purchases will be employed.
- B. Taxes: The City of Three Rivers is exempt from Federal Excise and Michigan State Sales Tax. Prices should not include Tax.
- C. If the bidder elects to deviate from specifications stated, all exceptions or other changes must be clearly noted.

- D. The City reserves the right to reject any and all bids, waive informalities or defects in bids, accept or reject line items of the bid, or accept such bids as it shall deem to be in the best interest of the City of Three Rivers.
- E. Delivery must be made within time frame in specifications on notification of acceptance of bid.
- F. Bid prices shall be effective from July 9, 2012 through August 9, 2014.

III. **Bid Specifications for Biosolids Hauling Truck**

A. **General**

These specifications shall be construed as the minimum acceptable standards for a heavy duty dump truck chassis. Should the manufacturer's current published data or specifications exceed these standards, the manufacturer's standards shall be considered minimum and shall be furnished. All integral parts not specifically mentioned in the scope of these specifications that are necessary to provide a complete working unit shall be furnished. Additionally, the machine offered for bid shall include all standard manufacturer's equipment.

The use of specific names or numbers in the specifications is not intended to restrict the bidder or any seller or manufacturer, but is intended solely for the purpose of indicating the type, size, and quality of equipment considered best adapted to the uses of companies participating in the bid.

Note all units offered for bid must be of manufacturer's current production model and meet current EPA emission standards and other Federal standards and include the appropriate diesel particulate filter exhaust after treatment system.

B. **Bid Submittal Form**

Each bidder must submit his or her bid on the Bid Submittal Form included in the invitation to bid package.

C. **Bid Price**

The price bid shall include all destination charges, delivery charges, title fee's, rebates and all other costs and refunds.

D. **Manuals**

Each unit shall be provided with one (1) copy of the operator's manual, one (1) copy of the repair manual and one (1) copy of the parts manual. Units will not be accepted for delivery until the manuals as outlined above are received by the purchaser.

- E. Warranty**
Bidders shall submit a copy of the manufacturer's standard warranty along with a complete explanation of the warranty with their bid. Warranty must include minimum power train coverage for three (3) years. Warranty shall be transferable.
- F. Assembly and Delivery**
The truck chassis will be purchased for use with a 14 foot dump body and optional body equipment that is to be bid separate and apart from the truck chassis. The dump body company will be responsible for assembly and installation of the dump body and related optional equipment, including cost of the same. The selling truck chassis dealer will be responsible for delivery of the chassis to the dump Body Company for installation and for delivery of the complete dump truck unit to the city following installation and assembly of the dump body and related options onto the truck chassis. Freight to and from the dump Body Company will be included in the truck bidder's proposal. Dump body installation and assembly costs will be included in the dump body bidder's proposal.
- G. DOT Inspection and Safety Equipment**
Prior to delivery this unit shall be DOT inspected. In addition, each unit shall be equipped with the required fire extinguisher and reflective triangle kit.
- H. Engine and Related Components**
Shall be an in line 6 design 13 liter minimum, turbo charged diesel engine capable of developing 400 HP. Aluminum core radiator with silicone hoses throughout and coolant protection to -10 degrees F. Exhaust to be single vertical diesel particulate filter mounted on the passenger side with a bright finish heat shield. Factory installed integral Engine Brake. Engine electronics to have full diagnostic capability and feature cruise control, road speed limiting and shutdown capabilities for critical engine functions.
- Note:* Bids will be accepted on the following engines: CAT, MACK, CUMMINS, DETROIT DIESEL, MERCEDES BENDTZ, and VOLVO VED.
- I. Starting and Electrical System**
12-Volt system fuse/circuit breaker protected, 12V gear reduction starter, 12V 100 amp alternator. 2-12V maintenance free group 31 batteries with 950 cold cranking amps each, batteries to be mounted in a single steel box.
- J. Transmission and Driveline**

Allison 3500 RDS 4th generation; Wide Ratio 6 Speed, With double overdrive; ON/OFF Hyw; Includes Oil Level Sensor, With PTO provision, Less Retarder, with 80,000 lb GVW or equivalent.

K. Cab Exterior

Cab to be Class 8 designed for construction and vocational applications. Cab doors should also have high visibility roll style windows. Cab to be air suspended. Cab should feature air horn in addition to the standard electrical signal horn, headlights with replaceable halogen lamps, cab glass to be safety tinted, cab to have grab or entry handles on both sides of cab, in addition cab exterior and chassis to have all required DOT and ICC lighting (turn signal indicators, emergency flashers, rear stop, tail, turn and backup lighting.) Hood is to be a full tilting fiberglass design with safety latch. Cab and hood paint color to be selected from manufacturer's standard non-metallic paint chart. White.

L. Cab Interior

Cab interior to include the following: coat hook(s), dome light(s), construction application cab, fleet interior, rubber floor covering/plus rubber floor mats. Cab should have interior sun visors on both sides of cab. Dash features to include: cup holders, adjustable steering column with 18" Steering Wheel, air pressure gauge, voltmeter, fuel level gauge, engine oil pressure gauge, coolant temperature gauge, low air pressure indicator with light and audible signal, speedometer with odometer and trip odometer, tachometer with hour meter, transmission oil temperature gauge, high beam indicator and park brake indicator. Cab seats should be: Air Suspension Driver High Back with headrest Bostrom 914 or equal with High Back fixed Passenger seat, both with required lap and shoulder belts, vinyl seat covering. Factory installed integral air conditioning with R134A refrigerant and rotary type air conditioner compressor. AM/FM radio with clock and weather band, two-way radio power leads with mounting plate on top of dash and dual factory installed C.B. antennas. Two additional dash mounted power outlets to be furnished. Windshield wiper to be two (2) speed electric with washer and intermittent feature.

M. Air Brakes

Brake system to be antilock design with automatic traction control with dash mounted switch. Heated air dryer.

N. Frame/Bumper/Fuel Tanks

Steel 120,000 PSI frame rails. Adequate wheelbase to provide a 144" cab to axle and a 211" load platform. Heavy-duty cross members throughout. Front bumper steel swept back channel design with right and left hand bumper recessed tow hooks. Fuel tank(s) to be aluminum with a minimum of 115-gallon total capacity.

O. Front Axle

16,000# steel I beam axle with 16,000# multi leaf suspension, 16,000# integral power steering, shock absorbers. Unitized sealed (maintenance free) front wheel hubs. Meritor "S" cam design 16.5" x 6" Q+ brakes with outboard mounted drums, dust shields and automatic slack adjusters. Front wheels to be steel hub piloted 22.5 x 12.25". Front tires to be Goodyear 18 ply 385/65R22.5 radials or equal.

P. Rear Axle

46,000# capacity (4.42) ratio tandem rear axle with 46,000# construction type rear suspension, Power divider lockout controls must be provided. Meritor "S" cam design 16.5" x 7" Q+ brakes with outboard drums. Dust shields and automatic slack adjusters. Brake chambers shall be (4) 30/30 style chambers with raised chambers on rear axle. Rear wheels to be Steel hub piloted 24.5 x 8.25. Rear tires to be Goodyear 14 ply 11R 24.5 G164 traction radials or equal.

Q. Options

Allison 4500-RDS-6 six speed automatic over drive Rugged Duty Series Gen 4 with transmission cooler, external oil cooler, internal filter, oil level sensor, temperature gauge and aluminum bell housing. Allison transmission to be factory filled with TRANSYND synthetic lubricant. Allison transmission low gear ratio = 4.70 and transmission high gear ratio = .67 over drive.

IV. PROPOSAL TO THE CITY OF THREE RIVERS, MICHIGAN:

Bids to include total cost of the **WWTP Biosolids Hauling Truck** in accordance with the specifications and plans as prepared by the Wastewater Plant Superintendent, City of Three Rivers, Michigan, for the following price:

WWTP Biosolids Hauling Truck \$ _____

NAME OF COMPANY _____

ADDRESS _____

CITY _____ STATE _____ ZIP CODE _____

SIGNATURE _____ DATE _____

TITLE _____

TELEPHONE _____

FAX _____