

**NOTICE TO BIDDERS**

**GRATIOT COUNTY ROAD COMMISSION**

Sealed bids will be received by the Board of Gratiot County Road Commissioners at their office at 200 Commerce Drive, P.O. Box 187, Ithaca, MI 48847, until **10:00AM, Monday, October 16, 2017**, for furnishing the following:

**ONE NEW TANDEM SCRAPER ROAD MAINTENANCE TRUCK**

Bid information and specifications are available at the Road Commission office, or online at [www.gratiotroads.org](http://www.gratiotroads.org).

The Board reserves the right to accept or reject any or all bids, waive any irregularities and to accept the bid which, in their opinion, is in the best interest of the County of Gratiot.

Any bid received after the specified time will be returned unopened.

COUNTY ROAD COMMISSIONERS  
OF GRATIOT COUNTY

BY: Wesley Federspiel, CHAIRMAN

**GRATIOT COUNTY ROAD COMMISSION**  
200 COMMERCE DRIVE  
PO BOX 187  
ITHACA, MI 48847

**TANDEM ROAD MAINTENANCE TRUCK SPECIFICATIONS AND BID PROPOSAL**

Minimum specifications for **ONE NEW ROAD MAINTENANCE TRUCK**, tandem axle, for which sealed bids will be received until **10:00am, Monday, October 16, 2017** at the Road Commission office, 200 Commerce Drive, PO Box 187, Ithaca, MI 48847. Bids are to be submitted in a **sealed envelope marked "TANDEM SCRAPER TRUCK BID"**. Bidders may recommend any suggested option, indicating type and specifications for such options, as supplementary bids to be considered as part of their bid proposal.

The Commission reserves the right to reject any and all bids, waive any informality, and make the award that is in the best interest of the Gratiot County Road Commission. Any bid received after the specified time will be returned unopened.

**GENERAL:**

Furnishing and delivering ONE NEW ROAD MAINTENANCE TRUCK, having a minimum of 66,000 GVW. Designed to allow for the installation of live hydraulic system, installation of new snow plow hitch, underbody scraper and dump box. These units are to be complete and ready for operations with no additional charge to the Road Commission.

Make \_\_\_\_\_ Model \_\_\_\_\_  
Year \_\_\_\_\_ GVW \_\_\_\_\_

1. **CAB (Air ride with shock system)**
  - a. All weather full size aluminum cab with no exposed interior sheet metal (Premium), air ride mounted to frame. Cab to have additional thermal and sound insulation.
  - b. Two adjustable western type rear view stainless steel, heated mirrors with 8" round stainless spot mirrors. Motorized right/left hand mirrors.
  - c. Dual intermittent windshield wipers mounted and operated in a manner resistant to snow and ice build up at bottom of windshield.
  - d. Gauges for oil pressure, water temperature, fuel tank, pyrometer, speedometer, tachometer, and volt meter. Dash mounted air filter restriction gauge and oil pressure activated hour meter.
  - e. Lights & reflectors to meet federal and state requirements.
  - f. Factory installed heater, defroster and air conditioner.
  - g. Cruise control.
  - h. Sun shades - both sides.
  - i. Right & left arm rest - door mounted
  - j. Electric operated windows - driver and passenger.
  - k. Grab handles on cab - left & right.

- l. Tilt hood must be type that can be opened with snow plow hitch installed on truck
- m. Hood & fenders - fiberglass with 4" rubber extensions.
- n. Air horns & caps - Dual Hadley
- o. Paint - Solid Omaha Orange - truck cab only. Frame black.
- p. Cab mounted exterior stainless steel sun visor.
- q. Hanging accelerator and brake pedals if available Yes \_\_\_\_\_ No \_\_\_\_\_
- r. Overhead interior full console with power leads for radios.
- s. Inner fender mud shields.
- t. Radio AM/FM stereo with built in Bluetooth.
- u. Seats, Driver and Passenger
  - 1. Best available individual driver & passenger seats with passenger having a low back and the driver seat having a high back with right hand and left hand adjustable arm rests.
  - 2. Air suspension for driver's seat with adjustable lumbar support.
  - 3. Under seat storage on passenger seat if available.
  - 4. Driver's seat must be 20" width & cloth fabric type material with full length seat back.
  - 5. Driver's seat to have fore & aft shock insulator built in to eliminate back slap.  
 Seat Manufacturer \_\_\_\_\_ Companion Seat Model \_\_\_\_\_  
 Driver's Seat Model \_\_\_\_\_ Width of Driver's Seat \_\_\_\_\_
- v. Cigarette Lighter
- w. Tilt and Telescoping Wheel
- x. CB antennas mounted on mirrors with leads to overhead console.
- y. Wire connection in dash for ground speed connection.
- z. Center storage console below dash with cup holders.
- aa. Center mounted map light with switch.
- bb. Temporary front bumper.
- cc. Snow plow light switch and wiring package.
- dd. Large rear window or double window if available , 2" extended window preferred.
- ee. All glass tinted.
- ff. Six additional switches in dash that are wired and labeled.
- gg. Two speed fan clutch
- hh. Aluminum toolbox with step on passenger side. Must have minimum of 24" ground clearance.

2. **DIMENSION & CAPACITY**

- a. Cab to axle - 140 inches (minimum). The exact dimension will be determined by equipment supplier.
- b. Wheel base - 217 inches (minimum). The exact dimension will be determined by equipment supplier.
- c. Front axle 20,000#. Front springs 20,000# with shocks.
- d. Rear axle 46,000#.
- e. Ground clearance 24" on truck, drive lines, transmission fuel tanks and running boards for underbody installation.

3. **ENGINE**

Minimum Displacement 13 liter Engine must meet or exceed all US Emission Standards and current regulations. If the manufacturer offers different engine options list the make, model, and cost of differences.

Min. Gross torque 1,650 ft lbs. at 2100 RPM

Min. Gross Horsepower 450

RPM - Max of 2100

<u>Make</u>	<u>Model</u>	<u>Horsepower</u>	<u>Ft. lbs. of torque</u>
<u>Paccar</u>			
<u>Cummins</u>			
<u>Detroit/MBE</u>			
<u>Volvo</u>			
<u>Other</u>			

- a. Automatic warning and shut down device for low oil and/or high temperature.
- b. Dry type air cleaner with inside/outside air intake, manually switchable. Air intake must be capable of providing dry clean air under all seasonal conditions, especially snow plowing conditions.
- c. Cooling capacity shall be adequate for maximum horsepower of engine - 450 HP and antifreeze type recommended by engine manufacturer.
- d. Heavy duty radiator to be full core with no hole for PTO.
- e. Single vertical muffler system - mounted at rear of cab with stainless steel heat shield and chrome over cab extension.
- f. Radiator hoses - Gates Green Stripe - No silicon
- g. Engine warranty to be 5 year 200,000 mile. (Copy of warranty upon delivery)
- h. P.T.O. End of crankshaft mount for 1300 series Spicer shaft and universal joints.
- i. Current Engine diagnostic programs and any necessary cables or adapters will be supplied by engine supplier at "NO" cost to Road Commission and upon delivery of truck to GCRC. Future upgrades will also be supplied at "NO" additional cost. Yearly upgrades to programs will be supplied to the Road Commission at "NO" additional cost.
- j. Emission System – Describe after treatment: \_\_\_\_\_
- k. Emission System Warranty- 5 year 200,000 mile. Additional Cost \_\_\_\_\_

4. **ELECTRICAL**

- a. 160 amp alternator
- b. Four - 12 volt 2920 CCA total dual purpose batteries mounted in an aluminum battery box mounted on left side under driver's door with a step incorporated into the box. Box will allow for 24" ground clearance to accommodate underbody scraper.
- c. All wires color coded.
- d. External electrical junction box under hood and at rear of frame.
- e. All circuits protected by breakers.
- f. Manual type electrical battery disconnect (Flaming River) located near drivers door with light to indicate when power is on.

5. **Allison - HD - 4500P, CR 6 speed Construction Special.**

- a. Dash mounted push button control.
- b. Transmission cooler.
- c. Transmission warranty of 5 year, unlimited miles
- d. Synthetic automatic transmission fluid.
- e. ECM relocated inside of cab to protect from elements.

6. **REAR AXLE & SUSPENSION**

- a. Meritor single reduction.
- b. Model RT-46-160
- c. Rear axle ratio to be determined at time of order
- d. Driver controlled differential lock for both axles with switch and light in dash.
- e. Driver controlled interaxle lock with switch and light in dash.
- e. HD Air ride suspension. (Hendrickson HMX 460 or equivalent)
- f. Rear shock absorbers at all wheels
- g. Synthetic lube
- h. If truck is equipped with "traction control" it will have a switch that will allow the system to be turned off for snow plowing in icy conditions.

7. **DRIVE LINE** - 1800 series shaft and U-joints with half round yokes.

8. **FRONT AXLE - Set Back Type (No exceptions)**

- a. The capacity of the front springs shall be 20,000# leaf type.
- b. Power steering gear with true dual steering boxes. Optional TAS85 gear if available.
- c. Stemco bearing self oiling - Ventless SSI Seals
- d. Front shock absorbers

9. **FRAME**

- a. Frame shall be Hi-Tensile single ½" frame
- b. Full length frame adequate for the GVW & type work this unit will do.  
Thickness of rail in. \_\_\_\_\_.
- c. Frame must have minimum 2,683,000 # RBM.  
Depth of rail in. \_\_\_\_\_  
Width of flange in. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Sec. Modulus  
PSI Allowable  
RBM
- d. Continuous integral front frame extended for snow plow hitch mounting minimum of 20" from grill. (no bolt-ons)
- e. After frame 75".

10. **BRAKES**

- a. Anti lock brake system - controller located inside cab if available
- b. Full air
- c. Brake dust shields
- d. Cam type with self adjusting slack adjusters (Meritor or Gunite)
- e. Front brakes - S-Cam type
- f. Rear brakes S-Cam type with spring loaded parking chambers

11. **AIR COMPRESSOR**

- a. 25.9 CFM minimum capacity
- b. Warranty to be included with engine 5 year - 200,000 miles.

12. **AIR DRYER** – Bendix ADIS-EP with heat element with spin on filter cartridge. Factory installed and mounted outside of frame rail.
13. **WHEELS**  
10 – Heaviest Available ISO Hub piloted Aluminum wheels (front & rear) Front - 22.5 X 9.00  
Rear - 22.5 X 8.25
14. **TIRES**
  - a. Front - 2 regular tread – Bridgestone 315 R/80 X 22.5 tubeless radial M860- 20ply rating.
  - b. Rear - 8 Bridgestone 11:00R X 22.5 M843MSD Tubeless radial traction type – 16 ply rating.
15. **FUEL TANKS** – Temporary style.
16. **MISCELLANEOUS**  
Successful bidder will be requested to furnish:
  - a. Specification sheet and complete service manual & parts manual including wiring schematic
  - b. Written warranty on chassis and equipment
  - c. Maintenance procedures on complete unit
  - d. Line set ticket and a truck parts listing of each truck built
  - f. Safety equipment, fire extinguisher, triangles
17. **DELIVERY DATE**  
To be specified by bidder. \_\_\_\_\_
18. **PAYMENT**  
Cash fifteen days after delivery and acceptance by the Road Commission.

**TO BE COMPLETED BY BIDDER:**

The undersigned has examined the above specifications and completed the information requested.

The undersigned proposes to furnish the requested equipment at the following price:

ONE NEW ROAD MAINTENANCE TRUCK, tandem axle cab and chassis, meeting or exceeding the above specifications.

**BID PRICE FOR ONE TRUCK \$ \_\_\_\_\_**

Upgrade cab from standard day cab to 'EXTENDED' day cab 10" top to bottom with an additional 4" head room. Cab to include additional thermal and sound insulation.

**BID PRICE FOR ONE TRUCK WITH EXENDED DAY CAB \$ \_\_\_\_\_**

**BID EXTENSION OPTION:**

This bid, if awarded, can be extended for future purchases within two years of the date of this bid, if mutually agreeable between the truck supplier and the Gratiot County Road Commission.

If your company offers any option changes that meet our specifications, describe and list the cost savings:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Estimated Delivery Date: \_\_\_\_\_

BIDDING DEALER: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

TELEPHONE \_\_\_\_\_ FAX \_\_\_\_\_

FEDERAL ID #: \_\_\_\_\_

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

REMARKS:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_