



# COSHOCTON COUNTY ENGINEER

(740) 622-2135 Fax: (740) 623-6512

*Frederick T. Wachtel, P.E., P.S.*

## INVITATION TO BID

Sealed proposals for **One New Heavy Duty Dump Truck Chassis & Cab with Diesel Engine for use as a Snow Plow Truck** will be received by the Coshocton County Commissioners, Coshocton, Ohio at 401½ Main St., **9:00 a.m., local time, February 15, 2012** and then and there publicly opened and read.

Complete specifications, proposal forms and full information for bidders may be obtained via the web at [www.coshoctoncounty.net](http://www.coshoctoncounty.net) or from the office of the County Engineer. Prospective bidders are required to register with Coshocton County in order to receive any addenda information.

Each proposal must be accompanied by a bond with an approved surety company as surety, in the sum of 10% of the amount of the bid as surety for the execution of the contract, or certified check for the amount of 10% of the bid on some solvent bank within the City of Coshocton, and made payable to the Coshocton County Treasurer, Coshocton, Ohio. **Please mark all envelopes One New Heavy Duty Dump Truck Chassis & Cab with Diesel Engine, for use as a Snow Plow Truck 9:00 a.m., local time, February 15, 2012.**

The Owner reserves the right to waive any formalities or to reject any and all bids.

**Board of County Commissioners**  
Coshocton County, Ohio.

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ADVERTISED: January 30, 2012

# COSHOCTON COUNTY ENGINEER - 2012

Bid Sheet for One New Heavy Duty  
Chassis & Cab with Diesel Engine  
for use as a  
Snow Plow Truck

MAKE: \_\_\_\_\_ MODEL: \_\_\_\_\_

BASE PRICE: \$ \_\_\_\_\_

TRADE-IN ALLOWANCE FOR T-28 / 2000 GMC DUMP TRUCK WITH  
PLOW, RIGGING, & SPINNER

VIN NUMBER 1GTEK19V96E230295 - Mileage 122,026

\$ \_\_\_\_\_

EXPECTED DELIVERY DATE: \_\_\_\_\_  
month

BIDDER'S NAME: \_\_\_\_\_

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

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

EMAIL: \_\_\_\_\_

COSHOCTON COUNTY COMMISSIONERS RESERVE THE RIGHT TO  
ACCEPT OR REJECT TRADE IN ALLOWANCE FOR EACH OR ALL  
TRUCKS.

**BE SURE YOU INCLUDED YOUR BID BOND**

# **Specifications For One Heavy Duty Chassis & Cab with Diesel Engine for use as a Snow Plow Truck**

It is the purpose of these specifications to describe a heavy duty diesel engine cab and chassis with dual rear wheels. This will be a severe duty application truck. Therefore, all parts not specifically mentioned but necessary to provide a complete unit for such an application, or which are normally furnished as standard equipment, shall be furnished by the successful bidder and shall conform in strength, quality of material, and workmanship to that which is provided by the industry in general for a severe duty truck equipped as a snow plow.

This unit will be outfitted by others for use as a snow plow truck. The truck will have installed a 10' dump bed and rigging for an 11' snow plow. It will be equipped with a central hydraulics system to control the bed, plow and spinner. If any of these specifications need to be changed to make your unit compatible for this type of use, please so note in your bid.

All routine fluid checks shall be able to be done from standing on the ground. The engine and filters shall be accessible without having to remove other components.

The signing of this bid shall be considered a certification that the model as bid is the latest current model and will include the manufacturer's latest engineering changes.

The manufacturer shall guarantee the cab and chassis against defective workmanship and material for a period of 36 months, unless a longer warranty period is accorded by the industry in general. The engine shall carry a 5 year, 100,000 mile, unlimited hours warranty, which also includes the water pump, turbo, and fuel injectors. The transmission shall carry a 5 year, unlimited mileage warranty. Components, parts, or material found to be defective shall be replaced by the bidder or manufacturer at no cost to the Coshocton County Engineer. Bids

shall include the warranty period for all major components and costs of any extended warranty beyond those specified for this bid.

The County Engineer reserves the right to inspect and test the equipment at the bidder's establishment prior to delivery to the destination. When inspection has not been made at the bidder's establishment, inspection, tests, and acceptance will be made upon delivery to the County Engineer's Office.

The bidder shall supply contact information for at least three different entities that are using similar 2010 emission compliant vehicles.

*Bidder must make notations at each item indicating compliance or exception. All exceptions must be explained in detail on a separate sheet along with the justification as to why equipment with exception will be as good as that specified. Following these instructions is essential for proper bid evaluation...failure to do so may cause your bid to be rejected for lack of information.*

## CAB AND CHASSIS

Size	Comply	Exception
New 2013 single axle cab and chassis		
Minimum 36,000 lbs. GVW		
Cab-to-axle 84"		
Engine	Comply	Exception
Diesel in-line 6 cylinder with wet sleeved removable piston liners		
Minimum 300 horsepower		
Minimum 860 ft.-lbs. of torque		
Turbocharged / After-cooled		
Fuel water separator		
Electronic engine idle speed control		
Appropriate electric block heater for the engine bid		
Appropriate size radiator for the engine bid and the intended use of the truck		
Low oil pressure, high coolant temperature, low coolant level engine alarm system with warning buzzer and light		
An engine air intake pre-cleaner with a driver controlled inside / outside air door		
A single vertical exhaust system mounted on the passenger side and an explanation of the technology used to comply with the 2010 diesel emission standards with adequate room to accommodate a transmission mounted PTO driven hydraulic pump by others		
Transmission	Comply	Exception
Allison 3500 RDS, 6 speed automatic		
When loaded to the full GVW rating equipped to these specifications, the top speed shall not exceed 65 MPH		
Net gradability in low gear shall not be less than 20%		
Transmission oil temperature light		
A SCANN from Allison Transmission Division for the specific truck being proposed shall be included in the bid		
Frame	Comply	Exception
Reinforced, resisting bending moment shall not be less than		

2,000,000 inch pounds		
Factory installed, frame anchored, front tow hooks		
Heavy duty front bumper		
<b>Cab</b>	<b>Comply</b>	<b>Exception</b>
Severe service aluminum cab with a rear window		
Hood and fenders shall be tilting type with center mounted stationary grill of sufficient size to clear plow frame by others		
Air suspension driver's seat and standard bucket type passenger's side seat		
Deluxe interior for noise abatement		
<b>Axles</b>	<b>Comply</b>	<b>Exception</b>
Front axle minimum capacity of 14,000 lbs. with greaseable kingpins		
Clear caps on front axles with extended life oil seals and synthetic lubricant		
Rear axle minimum capacity of 23,000 lbs.		
Rear axle to be single speed with a ratio to meet the maximum speed requirement		
Shall include a differential lock rear end		
<b>Steering Gear</b>	<b>Comply</b>	<b>Exception</b>
Manufacturer's standard recommended for front axle capacity specified, and equipped with integral power steering		
<b>Springs</b>	<b>Comply</b>	<b>Exception</b>
Front springs minimum 14,000 lbs. capacity		
Rear springs minimum 26,000 lbs. capacity with the appropriate auxiliary leaf springs		
Heavy duty front shock absorbers		
<b>Service Brakes</b>	<b>Comply</b>	<b>Exception</b>
Full air cam type rated for the GVW of the truck specified		
Severe service brakes not less than 16.5"x5" front and 16.5" x 8" rear		
All wheels shall have backing plates		
Bendix AD9 air dryer with heater for air brake system		
Automatic slack adjusters on all wheels		

Manufacturer's standard recommended air compressor for the unit bid		
Full trailer air brake controls with hand control valve, 7 wire electrical cable and receptacle, all mounted at end of frame rail		
<b>Tires &amp; Wheels</b>	<b>Comply</b>	<b>Exception</b>
Hub piloted wheels, minimum 8.25		
Tires shall be radial type, 16 ply, size 11R22.5		
Front tires shall be highway tread		
Dual rear tires shall be mud and snow type		
<b>Electrical System</b>	<b>Comply</b>	<b>Exception</b>
12 volt system with dual heavy duty, maintenance free batteries, 2000 CCA total minimum.		
Minimum 130 ampere capacity alternator		
Halogen head lamps with replaceable bulbs and impact resistant lenses, tail lights, turn signals, backup lights, marker lights and clearance lights		
Protective cover shall be installed over fuse box or panel		
<b>Fuel Tank</b>	<b>Comply</b>	<b>Exception</b>
70 gallon minimum capacity aluminum tank or tanks, covered with non-slip safety grating		
<b>Equipment &amp; Accessories</b>	<b>Comply</b>	<b>Exception</b>
Dual air horns with snow shields. Horns to be either stainless steel or chrome		
Instrument panel shall include direct reading oil pressure and temperature indicator gauges, tachometer, hour-meter, voltmeter, and outside air temperature thermometer		
AM/FM radio		
Front and rear license plate brackets		
Dual sun visors		
Arm rests both doors		
Dual, electric, intermittent, heavy duty windshield wipers, windshield washer		
Temperature controlled fresh air heater with windshield defroster, and air conditioner		
Manufacturer's standard grab handles both left and right side of cab		

"West Coast" outside heated rear view mirrors approximately 6" X 16" left and right sides		
Power electric windows		
Tilt / telescopic steering column		
<b>Paint</b>	<b>Comply</b>	<b>Exception</b>
Front and rear wheels to be powder coat paint and painted black.		
Cab, hood and fenders shall be painted red enamel		
Front bumper is acceptable either black or the manufacturer's standard color		
<b>Literature/Manuals</b>	<b>Comply</b>	<b>Exception</b>
Dealer to submit all available printed literature on chassis and individual drive train components with bid including the supplier of the engine		
Dealer to furnish 2 complete sets of operator's manuals, parts, and service manuals for truck upon delivery		
Dealer to furnish a copy of factory order for verification prior to order		
<b>Delivery</b>	<b>Comply</b>	<b>Exception</b>
Vehicle to be completely serviced as per the manufacturer's pre-delivery recommendations. Servicing must be performed in an authorized dealer's facility for the make of truck being quoted. Vehicle will not be accepted unless a pre-delivery inspection form has been completed and signed by the County Engineer		
<i>This vehicle meets or exceeds all state and federal regulations as of date of manufacture</i>		