

ADVERTISEMENT FOR BID:

Sealed bids will be received at the Office of the Clerk of the Board of County Commissioners of Tuscarawas County, 125 East High Avenue, New Philadelphia, OH 44663 until **9:45 am** on **December 18, 2014** for the purchase of the vehicle listed below, along with all necessary equipment. Specifications and bid forms are on file in the office of the Tuscarawas County Engineer, 832 Front Avenue SW, New Philadelphia, OH 44663 and [www.co.tuscarawas.oh.us/Engineer/Projects.htm](http://www.co.tuscarawas.oh.us/Engineer/Projects.htm). Copies of Bid Forms and specifications may be obtained free of charge for item being bid.

**Vehicle Purchase**

- 1) The purchase of one (1) 2016 Conventional Cab and Chassis, set-back axle Glider Kit along with furnishing additional items as specified, including all necessary labor, materials and equipment necessary to furnish a road-ready tandem axle cab and chassis unit, FOB New Philadelphia, OH. Bid to include all necessary inspections and title documents required to title truck to the Tuscarawas County Commissioners.

All bids must be in a sealed envelope marked "2016 Cab & Chassis Bid."

A bid bond in the amount of 5% of the bid or a certified check for this amount must accompany all bids for the purchase of the new Cab & Chassis.

The Commissioners have the right to reject any or all bids and to waive any informalities or irregularities in the bids received.

BY ORDER OF THE TUSCARAWAS COUNTY COMMISSIONERS:

CHRIS ABBUHL  
BELLE EVERETT  
KERRY METZGER

ATTEST: Jane E. Clay, Clerk

Publish: The Times Reporter on December 2, 2014  
<http://www.co.tuscarawas.oh.us/Engineer/Projects.htm>

Bid Tabulation will be posted on above website upon award of bid.

TUSCARAWAS COUNTY  
BID SPECIFICATIONS

One (1) 2016 Tandem Axle Cab and Chassis Glider Kit and  
specified equipment, assembled complete

GENERAL

1. Bidder must make notations at each item indicating compliance or deviation. Do not use check marks or X's; mark as "**COMPLY**" or "**EXCEPTION**". All exceptions must be explained in detail on a separate sheet. These specifications are not intended to preclude bidding components with exceptions that are equal in quality and performance to the products described in the specifications. However, bidder must include with each exception a viable argument as to why equipment with these exceptions will be equal to or better than equipment that meets specifications. Following these instructions is essential for the proper bid evaluation. **Failure to do so will cause your bid to be rejected for lack of information.** Tuscarawas County will take whatever steps it deems necessary to properly evaluate bids, including contacting one or more bidders for clarification and/or consultation.
2. A bid bond in the amount of five percent (5%) of bid or a certified check in this amount must accompany all bids.
3. Bidder to state tentative delivery date or time period from receipt of order \_\_\_\_\_
4. Bidder to furnish all items specified along with all labor, equipment and materials necessary in order to furnish a road-ready cab and chassis unit, FOB New Philadelphia, OH. \_\_\_\_\_
5. Bid to include all necessary inspections and title Documents required to title truck to Tuscarawas County Commissioners. \_\_\_\_\_

**Cab and Chassis**

**COMPLY or  
EXCEPTION**

Chassis to be suitable for a tandem axle combination dump truck for severe service application in county road maintenance operations and snow and ice control. \_\_\_\_\_

A. CHASSIS GENERAL:

1. 2016 model year. \_\_\_\_\_
2. Minimum 60,000 lbs. gross vehicle weight by axle and suspension ratings and GVWR of 59,900 lb. minimum \_\_\_\_\_
3. Wheelbase approximately 188" with a 122.45" CA and 63" Axle to E.O.F. to accommodate a 15' dump body \_\_\_\_\_

B. ENGINE:

**COMPLY or  
EXCEPTION**

1. Remanufactured diesel engine shall be 1998 to 2007 emissions standards compliant. \_\_\_\_\_
2. Minimum 410 HP @ 1900 RPM. 2000 GOV. \_\_\_\_\_
3. Minimum 1450 ft. lbs. torque @ 1100 RPM \_\_\_\_\_
4. In-line 6 cylinder. \_\_\_\_\_
5. Turbocharged. \_\_\_\_\_
6. Air-to-air intercooled. \_\_\_\_\_
7. 12.8 L minimum engine displacement \_\_\_\_\_
8. Dealer to state engine horsepower rating and at what RPM. @ \_\_\_\_\_ HP  
\_\_\_\_\_ RPM
9. Dealer to state maximum engine torque rating and at what RPM. @ \_\_\_\_\_ ft.lbs.  
\_\_\_\_\_ RPM
10. Dealer to state governed RPM. \_\_\_\_\_ RPM
11. Engine is to be electronically controlled. \_\_\_\_\_
12. Engine to be either wet sleeve or parent bore. \_\_\_\_\_
  - a. Dealer to state which: \_\_\_\_\_ bore. \_\_\_\_\_
13. Engine displacement, horsepower, torque, block type, and governed RPM may be a factor in contract award. \_\_\_\_\_
14. Engine equipped with off/low/high compression and exhaust brake \_\_\_\_\_
15. Aluminum radiator shall be 1200 square inch minimum. \_\_\_\_\_
  - a. Of sufficient size to prevent over-heating under all conditions including summertime idling and winter snow plowing. \_\_\_\_\_
  - b. Anti-freezing to minus 20 degrees F. \_\_\_\_\_
  - c. Power cool plain coolant filter. \_\_\_\_\_
16. Low oil pressure, high coolant temperature automatic engine shutdown. \_\_\_\_\_

**COMPLY or  
EXCEPTION**

a. Emergency override.

\_\_\_\_\_

b. Pre-shutdown warning light and buzzer.

\_\_\_\_\_

17. Electronic locking throttle.

\_\_\_\_\_

18. Engine block heater, 115 volt/1500W.

\_\_\_\_\_

19. Engine fan clutch to be automatic with manual override.

\_\_\_\_\_

20. Exhaust to be cab mounted

\_\_\_\_\_

21. Front mount PTO.

\_\_\_\_\_

**C. FILTERS:**

1. Canister type oil filter.

\_\_\_\_\_

2. Canister type fuel filter.

\_\_\_\_\_

3. Dry type heavy duty 2 stage air cleaner with restriction gauge at filter.

\_\_\_\_\_

4. DAVCO 382F fuel/water separator, frame mounted with heater.

\_\_\_\_\_

**D. TRANSMISSION AND CLUTCH:**

1. New or Rebuilt Fuller FRO16210B 10 speed transmission.

\_\_\_\_\_

a. filled with OEM approved synthetic oil

\_\_\_\_\_

b. aluminum bell housing

\_\_\_\_\_

2. Eaton 208925-20 clutch, 15 ½", 10 spline, 2" center, rated at 1860 ft lbs torque.

\_\_\_\_\_

3. Air controlled PTO Switch – dash mounted

\_\_\_\_\_

4. Air to Oil Transmission Cooler

\_\_\_\_\_

**E. FRAME:**

1. 11/32 x 3 x 10 15/16 inch steel frame

\_\_\_\_\_

2. ¼ inch c-channel inner frame reinforcement

\_\_\_\_\_

**COMPLY or  
EXCEPTION**

- 3. Provide 24 inch integral front frame extension with 0.25 inch insert, and cheek plate reinforcement in cut out area \_\_\_\_\_
- 4. Huck-spin round collar chassis fasteners. \_\_\_\_\_
- 5. Frame mounted front tow hooks. \_\_\_\_\_
- 6. Left side of frame must be clear from back of cab to forward rear spring hanger to accommodate central hydraulic system reservoir and associated hydraulic lines. \_\_\_\_\_
- 7. Electric backup alarm 97db. \_\_\_\_\_
- 8. Trailer hand valve. \_\_\_\_\_
- 9. A & E connector with glad hands at end of frame with 7-way socket. \_\_\_\_\_
- 10. Body builders connection junction box required at end of frame for dump body connections. \_\_\_\_\_
- 11. Three piece 14" painted steel bumper with collapsible ends \_\_\_\_\_

**F. AXLES AND SUSPENSION:**

- 1. Front axle – 20,000 lbs. capacity (minimum). Detroit DA-F-20.0-5 Drop single front axle or equal. \_\_\_\_\_
  - a. front shock absorbers. \_\_\_\_\_
  - b. Conmet pre-set bearing cast iron hubs filled with Roadranger synthetic FE 75W-90 front axle lube. \_\_\_\_\_
  - c. extended life oil seals \_\_\_\_\_
- 2. Front springs – taper leaf with 20,000 lbs. capacity (minimum). \_\_\_\_\_
- 3. Remanufactured rear differentials and axles, 40,000 lbs. capacity. Rockwell RD 20-145 \_\_\_\_\_
  - a. 4.11 gear ratio \_\_\_\_\_
  - b. drive axles to be supplied with synthetic oil and lube pump \_\_\_\_\_
- 4. Rear suspension – 46,000 lbs minimum capacity. Hendrickson RTE-463. \_\_\_\_\_
- 5. Provide asphalt dump brake chamber clearance. \_\_\_\_\_

**COMPLY or  
EXCEPTION**

6. Provide drive shaft of size and length required for transmission and rear differentials specified

\_\_\_\_\_

**G. STEERING:**

1. Single or dual integral power hydraulic type with cooler.

\_\_\_\_\_

a. Dealer to state manufacturer \_\_\_\_\_.

\_\_\_\_\_

b. Dealer to state model \_\_\_\_\_.

\_\_\_\_\_

2. 18" steering wheel 4 spoke.

\_\_\_\_\_

3. Adjustable tilt and telescoping steering column

\_\_\_\_\_

**H. BRAKES:**

1. Full air (dual system).

\_\_\_\_\_

2. Anti-skid (ABS) all wheels.

\_\_\_\_\_

3. 15.5 CFM compressor (minimum).

\_\_\_\_\_

4. 30 x 30 parking brakes with dash control, both axles.

\_\_\_\_\_

5. Meritor automatic slack adjusters front and rear.

\_\_\_\_\_

6. Front 16-1/2" x 6" Q cam type with dust shields

\_\_\_\_\_

7. Rear 16-1/2" x 6" Q cam type with dust shields.

\_\_\_\_\_

8. Conmet cast iron outboard-mount brake drums with dust shields, all wheels.

\_\_\_\_\_

9. Air dryer – BW AD-9 with heater. Frame mounted.

\_\_\_\_\_

10. Automatic moisture ejector.

\_\_\_\_\_

11. Brakes must be DANA ES or Meritor Q Plus

\_\_\_\_\_

12. Asphalt dump Brake Chamber Clearance

\_\_\_\_\_

**COMPLY or  
EXCEPTION**

**I. TIRES AND WHEELS:**

- 1. Polished Front wheels – Alcoa 82452x 22.5 x 12.25 10 HUB PILOT 4.68  
Insert 10-hand Aluminum Disc Front Brakes \_\_\_\_\_
- 2. Front tires – 425/65 R 22.5, 20 ply radials (Michelin XZY-3) \_\_\_\_\_
- 3. New rear wheels – 22.5 x 8.25 Alcoa ALW – 883667 Alcoa Hub Pilot  
Machine Finish wheels \_\_\_\_\_
- 4. Rear tires – eight (8) Firestone 11R22.5, 14 ply tubeless radial mud and  
snow tread. \_\_\_\_\_

**J. FUEL TANK:**

- 1. Minimum 70 gallon useable capacity aluminum. \_\_\_\_\_
- 2. Provide step in tank or attached to tank. \_\_\_\_\_
- 3. Right side mount. \_\_\_\_\_

**K. ELECTRICAL:**

- 1. 12 volt system with three (3) group 31 maintenance-free batteries  
2100 CCA total (minimum), mounted within an aluminum battery box. \_\_\_\_\_
- 2. Minimum 160 AMP alternator. \_\_\_\_\_
- 3. Composite halogen headlights with replaceable bulbs, turn signals,  
4-way flashers and cab-mounted LED Aerodynamic marker/clearance  
lights. \_\_\_\_\_
- 4. Markerlight/headlight switch with separate interrupter for clearance  
lights. \_\_\_\_\_
- 5. Circuit breakers in lieu of fuses. \_\_\_\_\_
- 6. Two (2) additional dash-mounted toggle switches. \_\_\_\_\_
- 7. Six (6) on/off rocker switches in the dash with indicator lights; four (4)  
wire to chassis at back of cab, two (2) unwired, label all opt. \_\_\_\_\_

**L. CAB:**

- 1. Aluminum conventional with fixed rear window. \_\_\_\_\_

**COMPLY or  
EXCEPTION**

- 2. Fiberglass forward tilting hood and fenders with stationary grill. \_\_\_\_\_
- 3. 2 ½" fender extensions \_\_\_\_\_
- 4. Single vertical muffler – aluminized steel. \_\_\_\_\_
- 5. Vertical stack with elbow and aluminum or stainless steel heat shield. \_\_\_\_\_
  - a. Space-saver type stack mounted on side of cab that does not protrude more than 2" behind cab. No exceptions. \_\_\_\_\_
- 6. Seats \_\_\_\_\_
  - a. Vinyl high-back adjustable air suspension type driver's seat with folding arm rests and mechanical lumbar and integrated D cushion extension \_\_\_\_\_
  - b. Dealer to state brand and model number of driver's seat.  
\_\_\_\_\_ \_\_\_\_\_
  - c. Single fixed high back vinyl passenger seat. \_\_\_\_\_
- 7. Air horn. \_\_\_\_\_
  - a. Cab roof mounted with snow shield. \_\_\_\_\_
- 8. Heated stainless steel west coast mirrors. \_\_\_\_\_
  - a. 8" heated stainless steel bolt-on convex mirrors on both sides. \_\_\_\_\_
- 9. Direct reading gauges – oil pressure, coolant temperature, air pressure, volts or amps, fuel level, tachometer, speedometer, transmission temperature and engine hour meter (oil pressure activated). \_\_\_\_\_
- 10. Fresh air high-output heater/defroster/air conditioner. \_\_\_\_\_
  - a. Side of hood air intake with firewall mounted air cleaner, passive Pre-cleaner and inside/outside air door \_\_\_\_\_
- 11. Electric wipers. \_\_\_\_\_
  - a. Two-speed. \_\_\_\_\_
  - b. Intermittent feature. \_\_\_\_\_
  - c. Electric washers with 8 liter reservoir with level indicator \_\_\_\_\_
- 12. Interior dome light. \_\_\_\_\_



**COMPLY or  
EXCEPTION**

- 13. Door mounted interior left and right hand entry assist handles. \_\_\_\_\_
- 14. AM/FM WB stereo radio with CD player and digital clock. \_\_\_\_\_
- 15. Dual sun visors on cab interior. \_\_\_\_\_
  - a. Composite exterior sun visor \_\_\_\_\_
- 16. Arm rest on each door. \_\_\_\_\_
- 17. Tinted glass all around with operating wing windows. \_\_\_\_\_
- 18. CB terminal and wiring under header and antenna mounted on LH or RH mirror. \_\_\_\_\_
- 19. Non-removable bug screen behind grille \_\_\_\_\_
- 20. White winterfont. \_\_\_\_\_
- 21. Premium insulation with added floor heat and noise insulation. \_\_\_\_\_
- 22. Preflight all outputs flash with smart switch. \_\_\_\_\_
- 23. Insulation under cab floor. \_\_\_\_\_

**M. EXTERIOR PAINT AND INTERIOR COLOR:**

- 1. Exterior painted manufacturer's standard silver. \_\_\_\_\_
- 2. Interior to be manufacturer's standard gray. \_\_\_\_\_

**N. WARRANTY:**

- 1. Remanufactured Engine to have minimum three (3) year warranty. \_\_\_\_\_
- 2. Transmission to have minimum three (3) year warranty. \_\_\_\_\_
- 3. Rebuilt rear differential to have minimum one (1) year warranty. \_\_\_\_\_

**O. LITERATURE/MANUALS:**

- 1. Dealer to submit all available printed literature on chassis and individual drive train components with bid. \_\_\_\_\_

**COMPLY or  
EXCEPTION**

2. One instruction, parts and service manual to be furnished with chassis upon delivery.

\_\_\_\_\_

3. Dealer shall provide access to factory build information.

\_\_\_\_\_

4. Dealer to furnish a 30 day tag.

\_\_\_\_\_

5. Dealer to provide all necessary inspections and title documents to title to the Tuscarawas County Commissioners.

\_\_\_\_\_

**BID SHEET**  
**Tuscarawas County**  
**One (1) 2016 Tandem Axle Cab and Chassis Glider Kit and**  
**specified equipment, assembled complete**

Bid Amount            \$ \_\_\_\_\_

***Bidder to attach "exceptions" sheet to bid.***

Bid submitted by:

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Address

\_\_\_\_\_  
Phone #

\_\_\_\_\_  
Person preparing bid (signature & printed name)

\_\_\_\_\_  
E-mail address

\_\_\_\_\_  
Federal Identification Number