

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 **1:30 pm on September 23<sup>rd</sup>, 2020** for the purchase of vehicle listed below. 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), 2021 model, Tandem Axle Conventional Cab and Chassis unit, FOB New Philadelphia, OH.

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

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  
JOE SCIARRETTI  
AL LANDIS

ATTEST: Adam Stilgenbauer, Clerk

Publish: The Times Reporter on September 10<sup>th</sup>, 2020  
<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) 2021 Model Tandem Axle Cab and Chassis Unit

GENERAL

1. Bidder must make notations at each item indicating compliance or exception. 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 specified. Following these instructions is essential for proper bid evaluation. Tuscarawas County will take whatever steps it deems necessary to properly evaluate bids, including contacting one or more bidders for clarification and/or consultation, prior to awarding. Tuscarawas County reserves the right to reject any or all bids and to waive any informalities and / or irregularities in the bids received, and to award the bid that is in the best interest of the County, following review and evaluation.
  
2. Bidder to state tentative available delivery date. \_\_\_\_\_
  
3. Bidder to furnish tandem axle cab and chassis unit, FOB New Philadelphia, OH. \_\_\_\_\_

**Cab and Chassis**

- |   | <b>COMPLY or<br/>EXCEPTION</b> |
|---|--------------------------------|
| Chassis to be suitable for a tandem axle combination dump truck for severe construction service application in road maintenance operations and snow and ice control.                        | _____                          |
| <br>A. CHASSIS GENERAL:   |                                |
| 1. 2021 model year.   | _____                          |
| 2. Minimum 60,000 lbs. gross vehicle weight capacity by axle and suspension ratings, gross vehicle weight rating of 60,000 lb. minimum and expected gross combination weight of 80,000 lbs. | _____                          |
| 3. Wheelbase of 188", cab to tandem axle centerline of 122.4" and axle to end of frame of 63" to accommodate a 15' dump body  | _____                          |

**COMPLY or  
EXCEPTION**

**B. ENGINE:**

1. Detroit or Cummins diesel engine shall be emissions standards compliant for model year bid. \_\_\_\_\_
2. Minimum 410 HP @ 1625 RPM, 1900 GOV \_\_\_\_\_
3. Minimum 1650 ft. lbs. torque @ 975 RPM \_\_\_\_\_
4. Turbocharged, In-line 6 cylinder. \_\_\_\_\_
5. Air-to-air intercooled and oil cooler. \_\_\_\_\_
6. 12.8L minimum engine displacement \_\_\_\_\_
7. Engine shall be electronically controlled \_\_\_\_\_
8. Engine to be wet-sleeve or parent bore. Dealer to state which. \_\_\_\_\_
9. Engine equipped with Jacobs Compression Brake \_\_\_\_\_
10. Aluminum radiator shall be 1500 square inch minimum. \_\_\_\_\_
  - a. Anti-freeze to provide protection to minus 34 degrees F. \_\_\_\_\_
11. Low oil pressure, high coolant temperature automatic engine shutdown \_\_\_\_\_
  - a. Emergency Override \_\_\_\_\_
  - b. Pre-shutdown warning light and buzzer. \_\_\_\_\_
12. Electronic locking throttle \_\_\_\_\_
13. Engine Block Heater, 115V, 1500 watt \_\_\_\_\_
14. Engine Fan Clutch to be automatic with manual override \_\_\_\_\_
15. Exhaust to be horizontal, with RH, outboard, under step, after treatment system assembly and muffler with tailpipe exiting forward of rear tires. \_\_\_\_\_

**COMPLY or  
EXCEPTION**

**C. FILTERS**

- 1. Canister type fuel and oil filters \_\_\_\_\_
- 2. Dry type heavy duty 2 stage air cleaner with restriction gauge at filter \_\_\_\_\_
- 3. DAVCO 487 fuel / water separator with ESOC and 12 V and 120 V pre-heater, frame mounted. \_\_\_\_\_

**D. AUTOMATIC TRANSMISSION:**

- 1. Allison 4500 RDS Automatic transmission with PTO Provision \_\_\_\_\_
- 2. Dash mounted PTO switch with indicator lamp \_\_\_\_\_
- 3. Electronic Transmission customer access connector, firewall mounted, with vehicle interface wiring connector with PDM and no blunt cuts at end of frame. \_\_\_\_\_
- 4. Water to oil transmission cooler, frame mounted \_\_\_\_\_

**E. FRAME:**

- 1. 7/16" x 3-9/16" x 11-1/8" minimum steel frame \_\_\_\_\_
- 2. 1/4" minimum, C-Channel inner liner frame reinforcement \_\_\_\_\_
- 3. Provide 24" minimum integral front frame extension with 1/4" insert. \_\_\_\_\_
- 4. Huck-spin round collar chassis fasteners. \_\_\_\_\_
- 5. Frame mounted front and rear tow hooks. \_\_\_\_\_
- 6. LH and RH side of frame outboard rails to be sufficiently clear from back of cab to forward rear spring hanger to accommodate central hydraulics system reservoir, valves, hydraulic lines and underbody tool box, etc. \_\_\_\_\_
- 7. Electric backup alarm 97db. \_\_\_\_\_
- 8. Trailer hand valve. \_\_\_\_\_
- 9. Air and electrical connectors with glad hands to end of frame with 7-way socket and 36" of additional lines and wiring at end of frame. \_\_\_\_\_
- 10. Custom, three piece, 14" painted steel front bumper with collapsible ends. \_\_\_\_\_

**COMPLY or  
EXCEPTION**

**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 Synthetic FE 75W-90 front axle lube \_\_\_\_\_
- 2. Front springs – taper leaf with 20,000 lbs. capacity (minimum). \_\_\_\_\_
- 3. Rear axles- MT-40-14XP 40,000 lb. R-Series tandem rear axles with iron rear axle carrier and heavy duty axle housing \_\_\_\_\_
  - a. 4.11 gear ratio \_\_\_\_\_
  - b. SPL250XL Dana Spicer Main driveline with half round yokes \_\_\_\_\_
  - c. SPL170XL Dana Spicer Inter axle driveline with half round yokes \_\_\_\_\_
  - d. Driver controlled traction differential- Both tandem rear axles \_\_\_\_\_
- 4. Rear suspension – 46,000 lb. minimum capacity. Hendrickson RT-463 with 54 in. axle spacing. \_\_\_\_\_

**G. STEERING**

- 1. TRW THP-60 Power Steering with RCH45 auxiliary gear. \_\_\_\_\_
- 2. 18” steering wheel- 4 spoke. \_\_\_\_\_
- 3. Adjustable tilt and telescoping steering column \_\_\_\_\_

**COMPLY or  
EXCEPTION**

**H. BRAKES:**

1. Full air (dual system). \_\_\_\_\_
2. WABCO -4S / 4M Anti-skid (ABS) all wheels with traction control and ATC Off –Road Switch. \_\_\_\_\_
3. 19.0 CFM air compressor (minimum), with safety valve. \_\_\_\_\_
4. 30 x 30 parking brakes with dash control, both axles. \_\_\_\_\_
5. Meritor automatic slack adjusters on front and Haldex automatic slack adjusters on rear to allow for asphalt brake chamber clearance. \_\_\_\_\_
6. Front 16-1/2" x 6" Q cam type with dust shields \_\_\_\_\_
7. Rear 16-1/2" x 7" Q cam type with dust shields \_\_\_\_\_
8. Conmet cast iron outboard-mount brake drums with dust shields \_\_\_\_\_
9. OEM brake line air dryer with integral air governor and heater. \_\_\_\_\_
10. Automatic drain valves with heater on wet tank, and without heater on all other tanks. Air tanks to be located inboard and / or below frame just forward of rear suspension. \_\_\_\_\_
11. Brakes shall be Dana ES or Meritor Q Plus \_\_\_\_\_
12. Provide asphalt dump brake chamber clearance. \_\_\_\_\_

**I. TIRES AND WHEELS:**

1. Polished front wheels – Alcoa LVL One 82462 x 22.5 x 12.25, 10 Hub Pilot. 4.68 inset, 10 hand aluminum disk front wheels \_\_\_\_\_
2. Front tires - 425/65 R 22.5, 20 ply, Michelin XFE radials \_\_\_\_\_
3. Rear wheels – Alcoa LVL One 88367X x 22.5 x 8.25, 10 Hub Pilot, aluminum, disk wheels with polished outers. \_\_\_\_\_
4. Rear tires – eight (8) Michelin X Works - XDY 11R 22.5, 16 ply, radial \_\_\_\_\_

**COMPLY or  
EXCEPTION**

J. FUEL TANK AND DIESEL EXHAUST FLUID TANK:

- 1. Minimum 70 gallon useable capacity aluminum diesel fuel tank. \_\_\_\_\_
- 2. Fuel tank to be left side mounted. \_\_\_\_\_
- 3. Provide step in fuel tank or attached to tank. \_\_\_\_\_
- 4. Minimum 6 gallon useable capacity diesel exhaust fluid (DEF) tank. \_\_\_\_\_
- 5. Diesel exhaust fluid tank to be LH side mounted. \_\_\_\_\_

K. ELECTRICAL:

- 1. 12-volt system with three (3) group 31 maintenance-free batteries, 3000 CCA total (minimum), mounted in an aluminum battery box, LH side, under cab. Provide positive lead disconnect switch in cab and positive and negative posts for jump start on frame next to the starter. Provide auxiliary power cable into cab for accessory connection. \_\_\_\_\_
- 2. Minimum 160 AMP alternator. \_\_\_\_\_
- 3. Composite halogen headlights with replaceable bulbs, turn signals, 4-way flashers, and cab mounted LED clearance marker lights. LED flange mounted stop / tail / turn lights with separate backup lights and furnish 7' of additional wiring at end of frame for relocation by body builder. \_\_\_\_\_
- 4. Integral headlight / marker light switch and dual connectors and switch for customer furnished snow plow lights, low beams off with high beams. Headlights on with wipers, with low beam daytime running lights. \_\_\_\_\_
- 5. Four (4) on / off rocker switches in dash with indicator lights; all (4) wired to chassis at back of cab, with label options. \_\_\_\_\_
- 6. Two (2) additional dash mounted switches with indicator lights and wiring for customer furnished beacons. \_\_\_\_\_
- 7. Circuit breakers in lieu of fuses. \_\_\_\_\_
- 8. Overhead Instrument panel. \_\_\_\_\_

**COMPLY or  
EXCEPTION**

L. CAB:

1. Aluminum conventional with fixed rear window and cab roof reinforcements for roof mounted components. \_\_\_\_\_
2. Fiberglass forward tilting hood and fenders with stationary grill. \_\_\_\_\_
3. Short fenders with mud flaps and bolt on flexible fender extensions \_\_\_\_\_
4. Plastic quarter fenders. \_\_\_\_\_
5. Door locks and ignition switch keyed the same, provide four (4) Keys \_\_\_\_\_
6. Seats
  - a. Premium vinyl high-back adjustable air suspension type driver's seat with three chamber air lumbar, dual driver arm rests, integrated cushion extension, forward and rear cushion tilt and adjustable shock absorber. \_\_\_\_\_
  - b. Single fixed high back vinyl passenger seat with inboard armrest. \_\_\_\_\_
7. Air Horn
  - a. Cab roof mounted with snow shield \_\_\_\_\_
8. Dual heated stainless steel west coast mirrors with LH and RH remotes. \_\_\_\_\_
  - a. 8" heated stainless steel bolt on convex mirrors on both sides. \_\_\_\_\_
9. Direct reading gauges and smart switch expansion module– oil pressure, coolant temperature, air pressure, volts or amps, fuel level, tachometer, speedometer, and engine hour meter (oil pressure activated) and DEF level indicator. \_\_\_\_\_
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 with snow shield. \_\_\_\_\_
11. Electric wipers:
  - a. Two speed, intermittent feature and electric washers with 2 gallon washer fluid reservoir with level indicator. \_\_\_\_\_
12. Interior dome light / LH and RH dual reading lights. \_\_\_\_\_
13. LH door mounted map pocket and LH and RH interior entry assist handles. \_\_\_\_\_



**COMPLY or  
EXCEPTION**

- 14. AM/FM WB stereo radio with Bluetooth, USB port and auxiliary inputs. \_\_\_\_\_
- 15. Dual interior sun visors in cab and composite exterior sun visor. \_\_\_\_\_
- 16. 5 lb. fire extinguisher and triangle reflectors with flare holders \_\_\_\_\_
- 17. Tinted glass all around with operating wing windows. \_\_\_\_\_
- 18. Interior convenience package with CB terminal and wiring under header and antenna mounted on LH or RH mirror. \_\_\_\_\_
- 19. Non-removable bug screen behind grille. \_\_\_\_\_
- 20. White winter front. \_\_\_\_\_
- 21. Pre-trip lamp inspection, all outputs flash with smart switch. \_\_\_\_\_
- 22. Hood liner, firewall and floor heat premium insulation required to reduce heat in cab. \_\_\_\_\_
- 23. RH and LH electric powered windows and door locks. \_\_\_\_\_
- 24. 12 Volt power supplies in dash and at back of cab. \_\_\_\_\_
- 25. Electronic cruise control with switches in LH switch panel. \_\_\_\_\_

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

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

**N. WARRANTY:**

- 1. Dealer to state or provide manufacturer's standard warranty information on truck and components. Minimum one (1) year, 100,000 mile, basic vehicle warranty required on truck and drivetrain components \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



**BID SHEET**

**Tuscarawas County**

**One (1) 2021 Model, Tandem Axle Cab and Chassis Unit**

Bid Amount \$ \_\_\_\_\_

Bid submitted by:

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

\_\_\_\_\_

\_\_\_\_\_  
Address

\_\_\_\_\_

Phone #

\_\_\_\_\_

Person preparing bid (signature & printed name)

\_\_\_\_\_

E-mail address

\_\_\_\_\_

Federal Identification Number