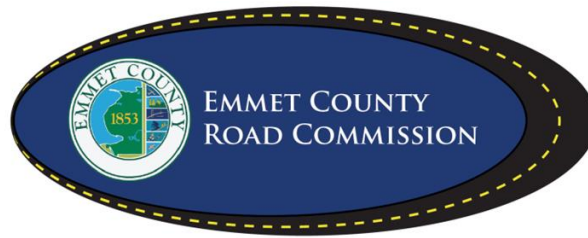


Wade Williams  
Mark W. Hoffman  
Frank Zuluski Jr.  
Brian A. Gutowski, P.E.  
Engineer-Manager  
Lisa Kleeman  
Finance Director -  
Clerk of the Board



2265 E. Hathaway Road  
Harbor Springs, MI 49740  
Office: 231-347-8142  
Fax: 231-347-5787  
[www.emmetcrc.org](http://www.emmetcrc.org)

## INVITATION TO BID

The Emmet County Road Commission will receive sealed bids until 10:00 a.m., March, Wednesday, 16, 2022, at which time they will be publicly opened and read aloud at their offices located at 2265 E. Hathaway Road, Harbor Springs, Michigan 49740, for:

### **One (1) 66,000 G.V.W.R. Diesel-Powered Tandem Truck**

Bids shall be on forms furnished by the Road Commission and shall be submitted in a sealed envelope clearly marked as to its contents. Bid form and specifications can be found online at [www.emmetcrc.org](http://www.emmetcrc.org) or by contacting the Road Commission at (231) 347-8142.

The right is reserved to reject any and or all bids, to waive irregularities in the bid procedure and to award bids in the best interest of the Emmet County Road Commission.

#### EMMET COUNTY ROAD COMMISSION

Frank Zuluski, Jr. – Chairman  
Wade Williams – Vice-Chairman  
Mark Hoffman – Member

BID DUE 10:00 A.M., Wednesday, March 16, 2022  
EMMET COUNTY ROAD COMMISSION  
Harbor Springs, Michigan

**Proposal for:**  
One (1) 66,000 G.V.W.R. Diesel-Powered Tandem Truck

Board of Emmet County Road Commissioners  
2265 E. Hathaway Road  
Harbor Springs, Michigan 49740

Commissioners:

We agree to furnish the Emmet County Road Commission with the following:

One (1) Diesel-Powered Tandem Truck (Cab & Chassis)

Make \_\_\_\_\_ Model \_\_\_\_\_

Which will meet the minimum requirements of the attached specification sheet.

An attached factory specification sheet shall be considered part of the bid requirements, Bids not supplied on Emmet County Road Commission forms will not be considered. Bids not received by specified time will not be considered.

F.O.B Conway Garage- No Tax

Price for One (1) Cab & Chassis \$ \_\_\_\_\_

Term \_\_\_\_\_

Delivery in \_\_\_\_\_ days after award of bid.

Name of Company: \_\_\_\_\_

Signature: \_\_\_\_\_

Printed Name & Title: \_\_\_\_\_

Company Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

EMMET COUNTY ROAD COMMISSION  
MINIMUM SPECIFICATIONS  
66,000 G.V.W.R. DIESEL-POWERED TANDEM TRUCK

**General:**

These specifications describe the minimum requirements for a tandem Plow Truck. Bids not supplied on Emmet County Road Commission specification forms will not be considered.

Exceptions to specifications shall be noted and highlighted.

The Board reserves the right to waive irregularities in the bid procedure, to accept or reject any and or all bids, and to award the bid in the best interest of the Emmet County Road Commission.

**G.V.W.R:** Comply Yes \_\_\_\_\_ No \_\_\_\_\_  
66,000lbs.

**Wheelbase:** Comply Yes \_\_\_\_\_ No \_\_\_\_\_  
214.0" w/set back axle

**Cab to Trunion:** Comply Yes \_\_\_\_\_ No \_\_\_\_\_  
138.0"

**Engine:** Comply Yes \_\_\_\_\_ No \_\_\_\_\_  
Diesel {Detroit DD13 12.8L 525HP @1625 RPM}, with Engine Compression Brake (Jacobs Model), with 1400sq.inch aluminum radiator, and spin-on & cartridge filters to include, oil, air & fuel filters, air filters shall be dry-type dual element. Air filter enclosure shall have integral snow valve within cab control, capable of providing clean dry air under all-season conditions. **Note:** Primary Fuel filter assembly will be a combination heater/water separator with ejector valve mounted on firewall under hood. Davco Fuel Pro unit preferred. Engine shall have a 1350 adapter plate to accommodate front-mounted hydraulic pump.

**Cooling System:** Comply Yes \_\_\_\_\_ No \_\_\_\_\_  
Heavy-duty Aluminum Cross Flow Radiator with petcock-type drain. (1,400 square inch minimum)  
\*Radiator to be mounted above front-mounted hydraulic pump shaft.

**Fan Drive:** Comply Yes \_\_\_\_\_ No \_\_\_\_\_  
Air operated with automatic on/off-type control.

**Transmission & Clutch**  
DT12-1850-OV Vocational 12-speed Overdrive Automated Manual Transmission  
Heavy duty automated manual transmission clutch

**Front Axle:** Comply Yes \_\_\_\_\_ No \_\_\_\_\_  
Drop I-beam type [20,000 lbs. min] with 23,000 lb. multileaf springs with torque rods and shock absorbers. (Meritor FL-941) or (Deit DA-F-20.0-5)  
(Set back axle)

**Rear Axle:** Comply Yes \_\_\_\_ No \_\_\_\_

Tandem dual drive Meritor RT-46-164p, 46,000 lb. min. capacity with lube oil pump and spin-on oil filter.  
Shall have driver-controlled traction differentials in forward rear and rear-rear axle (with independent dash-mounted control switches).  
To include Driver controlled Inter-axle lock.

**DRIVELINE:** Comply Yes \_\_\_\_ No \_\_\_\_

1810HD Dana Spicer Main Driveline w/ half round yokes  
1710HD Dana Spicer Inter-axle Driveline w/ half round yokes.

**Frame:** Comply Yes \_\_\_\_ No \_\_\_\_

Heavy-duty **single channel** frame (15.0 MM) with full-length Heat-Treated C-channel reinforcements for severe duty. **Omit front bumper**

Full depth at front with an 18" minimum extending forward of grill to facilitate snowplow attachments. 24" frame to ground clearance (required), with minimum 65" A.F.

\* Frame assembly must exceed 66,000 lb. G.V.W.R.  
Heavy duty crossmembers at all locations.

**REAR SUSPENSION:** Comply Yes \_\_\_\_ No \_\_\_\_

Hendrickson HN-462-54  
Walking beam type with 54" axle spacing; 46,000 lb. Capacity  
With rubber end bushings, Transverse Torque Rods, less Shock absorbers & 10.5" ride height.

**Brakes:** Comply Yes \_\_\_\_ No \_\_\_\_

Dual Air Anti-lock S-cam system (Meritor Q Plus front and rear).  
All wheels, with automatic slack adjusters (front & rear), and Heavy-duty spring actuated parking brakes on both rear axles, With dust shields.  
Air & Electrical connections to rear of frame with Glad Hands for trailer functions.

**Steering:** Comply Yes \_\_\_\_ No \_\_\_\_

TRW, TWP-60 & RCH-45 dual full power steering gears with Engine mounted direct-drive pump.

**Air Compressor:** Comply Yes \_\_\_\_ No \_\_\_\_

19.0 CFM Air Compressor, engine-mounted direct drive with air storage tanks and air dryer.  
\* Air dryer shall have a quick-change spin on desiccant cartridge.  
\* Air dryer shall be mounted on outboard RH frame rail and not interfere with underbody or other equipment

**Cab:**

Comply Yes \_\_\_\_ No \_\_\_\_

Conventional style Severe Duty, with extra sound abatement package, adjustable air-ride cab with premium trim package.

Tilt hood with fixed grill and rubber fender extensions. \*Hood opening not to interfere with plow hitch with plow attached\*. Upgraded hood springs included.

Driver's Seat shall be a **Sears Atlas II VRS Seat**. Fabric covered Air Suspension type with High Back, Isolated with Air Lumbar support, and Arm Rests. w/ Hi-Viz Seat Belts. Passenger Seat to be fixed foam cushion type.

Steering Column to be Tilting & Telescoping w/ 20" wheel.

Air conditioning with heavy-duty fresh air heater/defroster. \*Defroster system shall be designed to keep all windows fog and frost-free.

\*Heavy-duty multiple speed intermittent electric Windshield wipers, bottom mount with heated washer system.

Tinted Cab Glass with fixed rear window.

Adjustable swing-out sun visors.

Two (2) stainless steel west coast-type heated mirrors with Stainless mountings and 8-inch spot mirrors, left & right sides. Grab handles both sides. (Cab mounted)

Turn signals shall be self-canceling, with a heavy-duty Solid-state flasher (signal- stat 915) or equivalent.

Gauges: voltmeter, hour meter, oil pressure, and coolant temperature, tacho meter, speedometer, air pressure, fuel, air cleaner restriction gauge (Mounted in cab).

AM-FM radio w/ Bluetooth.

Shall have Six (6) extra dash-mounted Aux. switches for lighting accessories, shall be minimum 20-amp. Labeled as.

(1) Strobe lights

(2) Plow lights

(3) Blade lights

(4) Spinner lights

(5) Work lights

(6) Wing lights \* on two units, (Work lights) on third unit.

Class-1 Amber/ Green LED Top Strobe, center roof location, complete with wiring and mounting provisions.

Driver & Passenger door window shall be electric powered and controlled at Drivers door panel.

Single solar tinted rear window, 31"x20"

Dual air horns with snow covers.

Outside Cab lights shall be of a low-profile or flush mounted.

Drive Speed sensor for sander control.

Under Cab & Interior Cab floor Undercoating.

**Exhaust System:**

Comply Yes \_\_\_\_ No \_\_\_\_

Right Hand Outboard frame mounded vertical After-treatment system assembly with top stack.

Shall not interfere with mounting or operation of underbody scraper, dump body, fuel/oil tank, or operator's vision, through the rear-view mirrors.

**Chassis dealer will be responsible for required clearances on chassis.**

Vertical portion of exhaust shall not be mounted to cab

**Electrical:**

Comply Yes \_\_\_\_ No \_\_\_\_

12-volt system with a 160 amp alternator minimim.  
Three (3) Absorbed Glass Mat Group 31 batteries with a minimum 3,375 C.C.A. Total.  
Battery box mounting, (left side) (under cab), \*under passenger seat is acceptable\* with jumpstart provision located on frame next to starter.  
Starter shall be grounded directly to battery with a separate ground cable.  
Four-way flasher system must handle a minimum 35-amp load and 16, 32/3 c.p. hazard lights for continuous duty.  
Automatic circuit breakers in lieu of fuse.  
A body up-fitter electrical wiring junction box mounted Behind cab at left frame area for lighting connections and shall be labeled.  
Trailer towing wiring effects on unit. (Per Road Commission requirement)  
2-Way Radio wiring effects.  
Auxiliary Snowplow Light wiring to front of Hood.  
Locking Master electrical disconnect switch, interior cab mounted with delay and exterior LED indicator light.  
Negative side of battery

**Wheels & Tires:**

Comply Yes \_\_\_\_ No \_\_\_\_

Front: 22.5 x 12.25 Heavy-duty painted steel 10-stud hub piloted flanged-nut mount wheels with Two (2) 425/65R22.5 Goodyear Unisteel G291 load range "J" tires.  
Rear: 22.5 x 8.25 Heavy-duty painted steel 10-stud hub piloted Flanged-nut mount wheels with Eight (8) 12R22.5 Goodyear Unisteel G622 load range "H" tires.  
Note: rear wheels equal to Dayton #28828PW, Dealer to supply Two spare wheels/tires  
(1) Front & (1) Rear.

**Fuel Tank:**

Comply Yes \_\_\_\_ No \_\_\_\_

For Transportation only and shall be returned to Truck Supplier for credit.

**Color:**

Comply Yes \_\_\_\_ No \_\_\_\_

Cab: Red, Solid Color (Paint Code 2303)  
Interior: Gray or brown

**Miscellaneous:**

Comply Yes \_\_\_\_ No \_\_\_\_

Parts & Service Manuals with Electrical schematics & Line-Setting Sheet.  
Component Parts & Serial Numbers on separate sheet, i.e.: Engine, Transmission, Differentials, and Belts & Cooling hoses.  
Differences in bid specifications must be Noted & Highlighted on page marked Exception and Clarifications to Bid Specifications.  
And other such items as required by Federal and State Safety Statutes.

**Options:**

Comply Yes \_\_\_\_ No \_\_\_\_

- (1.) Engine & Drive train and chassis extended Warranty, 7year/250,000-mile w/ EW-4 package.
- (2.) Towing & Road Service

**NOTE:**

This truck will be used as a plow/sander/dump truck with attachments.  
Component clearances to accommodate hydraulic system, plow, sander,  
underbody, and dump body, etc., will be the responsibility of chassis dealer.

I have read and understand the instructions in the bid specifications. I certify that the above minimum specifications will be met with the following exceptions:

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Signature & Title

**EXCEPTONS AND CLARIFICATIONS TO BID SPECIFICATIONS**

**Engine:**

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**Transmission, Driveline & suspension:**

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**Cab & Chassis:**

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**Electrical:**

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**Wheels & Tires:**

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**Other:**

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