

Due 10:00 a.m., Monday, March 6, 2023, to:

Emmet County Road Commission
2265 E. Hathaway Road
Harbor Springs, Michigan

Proposal for one (1): **50,000 G.V.W.R. Diesel-Powered Single Axle Cab & Chassis Plow Truck**

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

Year _____ Make _____ Model _____ ,
which will meet the minimum requirements on the attached specification sheet unless otherwise noted.
Exceptions to any of the specifications attached should be clearly noted/highlighted by the bidder and
submitted with this proposal.

F.O.B Conway Garage, 2265 E. Hathaway Rd, Harbor Springs, MI 49740.

Total price (tax exempt) for one \$ _____

Terms _____

Delivery in _____ days after award of bid

Business name: _____

Business address: _____

Business phone: _____

Mobile phone: _____

E-mail address: _____

Print name & title: _____

Signature: _____

Date: _____

EMMET COUNTY ROAD COMMISSION

MINIMUM SPECIFICATIONS FOR:

50,000 G.V.W.R. Diesel-Powered Single Axle Cab & Chassis Plow Truck

GENERAL

The following specifications describe the minimum requirements for a tandem truck of the current model year. Exceptions to any specifications listed shall be noted and highlighted by the bidder. Bids not submitted on these forms will not be considered. 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.

50,000 lbs.

comply yes ___ no ___

WHEELBASE

197.0" minimum w/ set forward axle

comply yes ___ no ___

CAB TO AXLE

108.0"

comply yes ___ no ___

ENGINE

Diesel {Cummins X12, 500 HP @ 1900 RPM, 1700 LB-FT @ 1000 RPM}
or equivalent, with engine compression brake (Jacobs Model) with 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 #382030 unit preferred.

The engine shall have a 1350 adapter plate to accommodate a front-mounted hydraulic pump.

comply yes ___ no ___

TRANSMISSION

Allison 4700 7-speed automatic transmission with PTO provision, programmed per ECRC requirement.

comply yes ___ no ___

COOLING SYSTEM

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.

Air operated fan drive with automatic on/off- type control

comply yes ___ no ___

FRONT AXLE

Drop I-beam type [20,000 lbs. min] with 23,000 lb. multi-leaf springs with torque rods and shock absorbers.
(Meritor FL-941) or (Deit DA-F-20.0-5) (Set forward axle)

comply yes ___ no ___

REAR AXLE

Meritor Single rear axle drive.

30,000 lb. minimum capacity with lube oil pump & spin-on filter.

With driver-controlled locking differentials in rear axle with independent dash-mounted control switch.

comply yes ___ no ___

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 50,000 lb. G.V.W.R.; heavy duty crossmembers at all locations.

REAR SUSPENSION

comply yes ___ no ___

Hendrickson 30,000 lb. minimum capacity with lube oil pump & spin-on filter.
(34,000 lb. leaf springs with overload spring)

BRAKES

comply yes ___ no ___

Dual air anti-lock S-cam system {Meritor Q-Plus front & rear}
All wheels with automatic slack adjusters (front & rear), and heavy-duty spring actuated parking brakes on rear axles, and dust shields. Air & electrical connections to rear of frame with glad hands for trailer functions.

STEERING

comply yes ___ no ___

Sheppard M-100 / M-80 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 (Meritor-Wabco system saver 1200) mounted for 24” ground clearance.
Air dryer and air tanks shall not interfere with underbody or other up-fit equipment. Air dryer shall include quick-change spin on desiccant cartridge.

EXHAUST SYSTEM

comply yes ___ no ___

Locate vertical exhaust pipe at right rear of cab and enclose in perforated protector.
Shall not interfere with mounting or operation of underbody scraper, dump body, fuel/oil tank, or operators’ field of vision through the side-view mirrors. Vertical portion of exhaust shall not be mounted to cab.
Chassis dealer will be responsible for required clearances on chassis.

ELECTRICAL

comply yes ___ no ___

All exterior lights shall be LED (headlight, turn, brake etc.)
12-volt system with a 160 amp [Delco 36-SI] alternator
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.
The four-way flasher system must handle a minimum 35-amp load and hazard lights for heavy duty, continuous duty. Automatic circuit breakers in lieu of fuse.
A body up-fitter electrical wiring junction box shall be 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 three-minute delay and exterior LED indicator light.

CAB

comply yes ___ no ___

Conventional style severe duty, with extra sound abatement package, adjustable air-ride cab.
 Tilt hood with fixed grill and rubber fender extensions. Upgraded hood springs included.
 Hood opening shall NOT to interfere with plow hitch when plow attached.
 Driver 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, Hi-Viz seat belts. Passenger seat shall be fixed foam.
 Steering column shall be 18" wheel with tilting & telescoping.
 Air conditioning with heavy-duty fresh air heater/defroster. Defroster system shall be designed to keep all windows fog and frost-free.
 Heavy-duty multi speed intermittent electric windshield wipers, bottom mount with heated washer system.
 Three-piece rear window, AM-FM radio w/ Bluetooth, adjustable swing-out sun visors.
 Two (2) stainless steel west coast-type heated mirrors with stainless mountings and 8-inch spot mirrors. Cab mounted grab handles shall be mounted on both driver and passenger sides.
 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, tachometer, speedometer, air pressure, fuel, air cleaner restriction gauge (mounted in cab).
 Shall have six (6) additional dash-mounted aux switches for lighting accessories, minimum 20-amp, and shall be labeled as follows: (1) strobe lights (2) plow lights (3) blade lights
 (4) spinner lights (5) work lights (6) wing lights
 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 driver's door panel.
 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.

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) 385/65R22.5 Michelin XZY-3, 20-ply radial load range (J) tires.
 Rear: 22.5 x 8.25 Heavy-duty painted steel 10-stud hub piloted Flanged-nut mount wheels with four (4) 12R22. Michelin XDN2, 16-ply radial load range (H) tires
 Dealer to supply two spare wheels/tires (1) front & (1) rear

COLOR

comply yes ___ no ___

Cab- Red, solid color vermillion Interior- Black

FUEL TANK

comply yes ___ no ___

For transportation only and shall be returned to truck supplier for credit.

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, belts, and 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

- (1) Engine & Drive train and chassis extended Warranty, 7 year/250,000-mile w/ EW-4 package.
- (2) Towing & Road Service- 5 year/unlimited (\$1,000.00 per occurrence)

NOTE

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

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

EXCEPTIONS AND CLARIFICATIONS TO BID SPECIFICATIONS

ENGINE

TRANSMISSION, DRIVELINE & SUSPENSION

CAB & CHASSIS

ELECTRICAL

WHEELS & TIRES

OTHER

Submitted by: _____
Signature and Title Business Name