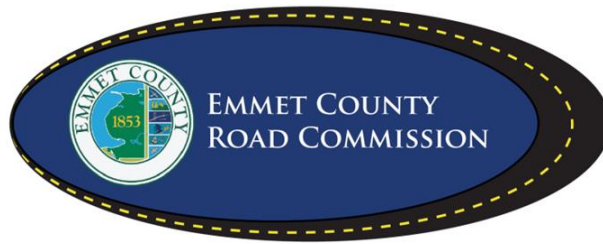


Wade Williams
Robert Notestine
Frank Zulski Jr.
Brian A. Gutowski, P.E.
Engineer-Manager
Lisa Kleeman
Finance Director -
Clerk of the Board



2265 E. Hathaway Road
Harbor Springs
Michigan, 49740
Office: 231 347-8142
Fax: 231 347-5787
emmetcrc@emmetcrc.com

INVITATION TO BID

The Emmet County Road Commission will receive sealed bids until 10:00 a.m., Tuesday February 16, 2021, 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:

Two (2) 48,000 G.V.W.R. Diesel-Powered 4X4 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. Forms can be obtained by contacting the Road Commission at (231) 347-8142.

The right is reserved to reject any and 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 Zulski, Jr. – Chairman
Robert Notestine - Vice-Chairman
Wade Williams - Member

BID DUE 10:00 A.M., Tuesday February 16, 2021
EMMET COUNTY ROAD COMMISSION
2265 E. Hathaway Road, Harbor Springs, MI 49740

Proposal for:
Up to Two (2) Diesel-Powered 4X4 Truck

Gentlemen:

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

Two (2) Diesel-Powered 4X4 Trucks (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 \$ _____

Total \$ _____

Delivery in _____ days after award of bid.

Company _____

Signature & Title _____

Address _____

Phone _____

E-mail _____

EMMET COUNTY ROAD COMMISSION
MINIMUM SPECIFICATIONS
48,000 G.V.W.R. DIESEL-POWERED 4X4 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 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 _____

WHEELBASE: 166.0" w/set back axle

CAB TO TRUNION: 107.0"

ENGINE:

Diesel {Detroit DD13 12.8L 450HP @1625 RPM, 1650 lb.-ft torque with Engine Compression Brake (Jacobs Model), with 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, (Inside/Outside Style) and Dash mounted
Air Restriction Gauge, capable of providing clean dry air under all-season conditions. 120volt OEM engine block heater.
Note: Primary Fuel assembly will be a combination heater/water separator with ejector valve mounted on firewall under hood. Davco Fuel Pro, Primary Fuel filter assembly preferred.

COOLING SYSTEM:

Heavy-duty Aluminum Cross Flow Radiator with petcock-type drain. (1,375 square inch minimum)
*Radiator to be mounted above front-mounted hydraulic pump shaft.

FAN DRIVE:

Air operated with automatic on/off-type control.

TRANSMISSION:
&
Transfer case

Allision 4500 RDS Automatic Transmission
With PTO Provision

Electronic Control Shift Lever
Tunnel/ Floor Mount

Fabco TC-180 Transfer Case with oil cooler

FRONT AXLE: MX-23-160R 23,000# Single Front Drive Axle,
6.14 Front Axle Ratio
(Set back axle)

REAR AXLE: RS-30-185 30,000# U-Series Single 80-82 Track Rear Axle
6.14 Rear Axle Ratio
Driver controlled Traction Differential- Single Rear Axle
Driver Controlled Differential Lock Rear Valve for Single Drive Axle

DRIVELINE: Steering Axle: MXL 17T Meritor Extended Lube with half round yokes.
Main Driveline: MXL 18T Meritor Extended Lube half round yokes.
Inter-transmission driveline: MXL 18T extended lube half round yokes.

FRAME: **Heavy-duty double sealed frame** 3/8" with 1/4" full-length C-channel reinforcement
*for severe duty. With HD reinforcing cross-members.
Full depth at front with a 24" minimum extending forward of grill to facilitate snowplow attachments **Omit front bumper**
*Frame must exceed 60,000 lb. G.V.W.R.
24" frame to ground clearance (required)

REAR SUSPENSION: REYCO 79 KB 31,000# Rear suspension with 1.00-inch spacers with 4.50-inch extended hanger bracket

FRONT SUSPENION: 21,500# Flat Leaf Front Suspension with Front shock absorbers

BRAKES: 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 rear axles, with dust shields.
***Include option for air disk brakes if available ***

STEERING: TRW, TAS-65 power steering with RCS65 auxiliary gear.

AIR COMPRESSOR: 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:

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 (shall have updated springs for one person opening). *Hood opening not to interfere with plow hitch with plow attached*.
 Driver Seat- Atlas VRS (Wide ride if available), 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/ 18” 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 handle 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 temp, tachometer, 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
 Shall have top strobe mounting pad only (**no** strobe light), center roof location complete with wiring and mounting provisions.
 Driver & Passenger door window shall be electric powered and controlled at Drivers 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.

EXHAUST SYSTEM

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:

ALL WIRING HARNESSSES SHALL BE SEVERE DUTY

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.

___ ___

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.

___ ___

2-Way Radio wiring effects.

___ ___

LED headlights

LED turn signals

Auxiliary Snowplow light wiring to front of Hood.

___ ___

Locking Master electrical disconnect switch, interior cab mounted with delay and exterior LED indicator light.

AM/FM ANTENNA MOUNTED ON LH A PILLAR IF POSSIBLE

Wiring shall be Severe Duty

No Multiplex Wiring

TRAILER TOWING:

Trailer tow package to include:

Trailer air hose and trailer electrical connections at end of frame.

WHEELS & TIRES:

Front: Alcoa LVL One 83462X 22.5 x 13.00 10-Hub Pilot 5.30 inset 10-Hand Aluminum Disc Front Wheel
Goodyear G278 MSD 425/65R22.5 20 ply radial front tire.

Rear: Alcoa Ultra One 84U60X 22.5 x 14.00 10-Hub Pilot 0.00 outset 10-Hand Aluminum Rear Wheel
Goodyear G278 MSD 445/65R22.5 20 ply radial tires.

Note: Dealer to supply spare wheel & tire (1) Front & (1) Rear per truck

FUEL TANK:

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

COLOR:

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

Parts & Service Manuals with Electrical schematics & Line-setting sheet.
Parts & Service Manuals shall be on CD-ROM format. Compatible with Windows 10
Component Parts & Serial Numbers on separate sheet, i.e.: Engine, Transmission, Differentials,
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:

(1.) Engine & Drive train, and chassis extended

Warranty, 7 year/ 250,000 miles w/ EW-4 package.
Allison 4500 RDS transmission extended warranty, 7 years/250,000 miles
Cooling: HD Moderate 5 year/200,000 miles

(2.) Towing & Road Service- 5 years/unlimited miles

**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:

Signature & Title

MISCELLANEOUS:

EXCEPTIONS AND CLARIFICATIONS TO BID SPECIFICATIONS

Engine:

Transmission, Driveline & Suspension:

Cab & Chassis:

Electrical:

Wheels & Tires:

Other: