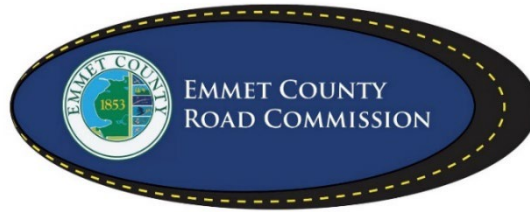


Frank Zulski
Wade Williams
Jim Kargol
Brent Shank, PE
Engineer-Manager
Lisa Kleeman
Finance Director



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

Single Axle and Tandem Axle Truck Bid Documents and Specifications

The Emmet County Road Commission will accept sealed bids for two (2) Single Axle Cab and Chassis Trucks and three (3) Tandem Axle Cab and Chassis Trucks.

Bids shall be submitted on the enclosed ECRC Truck Bid Sheet (Page 20 and 21) in a sealed envelope clearly identifying the bidder and marked "ECRC Truck Bid". All bids must include pages 2 – 19 of these specifications with the appropriate information and items completed.

Bidders shall include written statement of specification(s) not met, allowable discounts, terms of payment, and expected delivery on the provided bid sheet.

Bid prices shall be valid for a period of 90 days from date of bid opening.

Bids are due at **9:00 a.m. on Monday, November 9, 2026**, at which time; the bid will be publicly opened and read aloud.

THE BIDDER UNDERSTANDS AND AGREES THAT THE EMMET COUNTY ROAD COMMISSION RESERVES THE RIGHT TO REJECT ANY AND ALL BIDS; TO WAIVE IRREGULARITIES OR INFORMALITIES; AND NO CONTRACTUAL RELATIONSHIP SHALL EXIST BETWEEN THE BIDDER AND THE EMMET COUNTY ROAD COMMISSION UNTIL SUCH TIME THE SUCESSFUL BIDDER RECEIVES AND ORDER FOR THE TRUCKS INCLUDED IN THE BID RECEIVED.

The Emmet County Road Commission, in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office the Secretary, Part 21, Nondiscrimination in Federally assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively insure that in any contact entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

Please direct questions to: Tony Shaler
Emmet County Road Commission
(231) 347-8142

Single Axle Cab and Chassis Trucks

GENERAL DESCRIPTION

The bid is for two (2) current model year single axle cab and chassis trucks. These trucks will be used as a heavy-duty road maintenance vehicle and will be equipped with an underbody scraper, all-purpose material spreader with onboard pre-wet capabilities, front snowplow and side mounted snow wing and a trailer package.

The following specifications are to be considered the minimum specifications for the truck bid. Pricing shall include the manufacture's standard warranty. Extended warranty packages shall be priced separately as an optional bid. Bidders may recommend options, indicating specifications and pricing for each.

SPECIFICATIONS

49X Western Star (or equivalent) - Single Axle Truck

S1 GVWR:

Minimum Specifications

- 47,120 pounds

Yes: _____

No: _____

Exceptions: _____

S2 DIMENSIONS:

Minimum Specifications

- 185 inch wheel base with set back front axle.
- 122 inch cab to trunnion.
- 24 inch ground up clearance to accommodate underbody scraper.

Yes: _____

No: _____

Exceptions: _____

S3 FRAME:

Minimum Specifications

- Heavy duty single channel frame (15.0 mm) with full-length heat-treated C-channel reinforcements for severe duty.
- Heavy duty cross members at all locations.
- Frame assembly must exceed 46,000 lbs. GVWR.
- The front frame shall be full depth at front and extend 18 inches beyond the grill.
- Omit the front bumper.
- 24 inch frame to ground clearance required with 65" A.F.

Yes: _____

No: _____

Exceptions: _____

S4 ENGINE:

Minimum Specifications

- Diesel (Cummins X12 desired).
- 500 hp @ 1900 RPM, 1850 Lb-Ft of torque @ 950 RPM.
- Engine compression brake (Jacobs Model).
- Cartridge Filters.
 - o Oil.
 - o Coolant.
 - o Air (dry-type dual element).
 - o Fuel.
- Air filter enclosure shall have integral snow valve with cab control, inside/outside control and dash mounted.
- Air restriction gauge capable of providing clean, dry air under all-season conditions.
- The primary fuel assembly will be a combination heater/water separator with ejection valve mounted under the hood.
 - o Daco Fuel Pro primary fuel filter assembly preferred.
- The engine shall have a 1350 adapter plate to accommodate a front-mounted hydraulic pump.

Yes: _____

No: _____

Exceptions: _____

S5 TRANSMISSION:

Minimum Specifications

- Allison 4500 RDS - Automatic Transmission, 6 speed.
- Gear ratio to be 4.30.
- Transmission and rear axle geared not to exceed 75 mph.
- Provide computer printout of drive train showing ground speed and torque in all gears at specified engine RPM.

Yes: _____

No: _____

Exceptions: _____

S6 FRONT AXLE AND SUSPENSION:

Minimum Specifications

- Axle
 - o Meritor FL-941 or Deit DA-F-20.0-5 preferred.
 - o Driver controlled traction differential with independent dash-mounted control switch.
 - o Set back axle.
- Suspension
 - o Drop I-beam type (20,000 lbs. minimum).
 - o 23,000 lbs. multi-leaf springs.
 - Torque rods.
 - Shock absorbers.

Yes: _____

No: _____

Exceptions: _____

S7 REAR AXLE AND SUSPENSION:

Minimum Specifications

- Axle
 - o Single drive Meritor RS-30-185
 - 23,000 lbs. minimum.
 - Lube oil pump.
 - Spin-on filter.
 - o Driver controlled traction differential with independent dash-mounted control switch.

- Driver controlled inter-axle lock.
- Suspension
 - Flat Leaf Spring
 - 30,000 lbs. minimum
 - Radius rod and helper

Yes: _____

No: _____

Exceptions: _____

S8 TIRES AND RIMS:

Minimum Specifications

- Front (2)
 - 22.5 x 12.25 Heavy-duty painted steel 10 stud hub piloted flange-nut mount wheels.
 - 385/65R22.5 Michelin XYZ-3, 20 ply radial load range (J) tires
- Rear (4)
 - 22.5 x 8.25 Heavy-duty painted steel 10 stud hub piloted flange-nut mount wheels.
 - 12R22 Michelin XDN2, 16 ply radial load range (H) tires.
- Dealer to supply two spare wheels/rims one (1) front and one (1) rear.

Yes: _____

No: _____

Exceptions: _____

S9 DRIVE LINES:

Minimum Specifications

- RPL35 Meritor main driveline
- RPL25 Meritor inter-axle driveline.

Yes: _____

No: _____

Exceptions: _____

S10 COOLING SYSTEM:

Minimum Specifications

- 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.

Yes: _____

No: _____

Exceptions: _____

S11 EXHAUST:

Minimum Specifications

- Right hand outboard mounted vertical after-treatment system assembly with top stack.
- Shall not interfere with mounting of operation of underbody scrapper, dump body, fuel/oil tank, or operator's field of vision through the rear-view mirrors.
- The vertical portion of the exhaust shall not be mounted to the cab.
- The chassis dealer will be responsible for required clearances on chassis.

Yes: _____

No: _____

Exceptions: _____

S12 BRAKES:

Minimum Specifications

- Dual air anti-lock S-cam system (Meritor Q-plus front and rear preferred).
- All wheels with automatic slack adjuster (front and rear).
- Heavy-duty spring actuated parking brakes on rear axle.
- Dust shields.
- Air and electrical connections to rear of frame with glad hands for trailer functions.

Yes: _____

No: _____

Exceptions: _____

S13 STEERING:

Minimum Specifications

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

Yes: _____

No: _____

Exceptions: _____

S14 AIR COMPRESSOR:

Minimum Specifications

- 19.0 CFM air compressor.
- Engineer mounted direct drive.
- Storage tanks.
- Air dryer (Meritor-Wabco system saver 1200) mounted on outboard righthand frame rail.
 - o Shall be mounted to not interfere with underbody or other equipment.
 - o Air dryer shall include a quick-change spin on desiccant cartridge.

Yes: _____

No: _____

Exceptions: _____

S15 ELECTRICAL:

Minimum Specifications

- 160-amp alternator (Delco 36-SI preferred).
- Batteries
 - o 12-volt system.
 - o Three (3) absorbed glass mat group 31 batteries with a minimum 3,375 CCA total.
 - o Battery box mounting.
 - Left side of vehicle.
 - Under cab or passenger seat.
 - o Jump start provision located on frame next to starter.
- Locking master electrical disconnect switch.
 - o Interior cab mounted.
 - o Three(3) minute delay.
 - o Exterior LED indicator.

- All exterior lights shall be LED.
- The four-way flasher system must handle a minimum 35-amp load and hazard lights for heavy duty. Automatic circuit breakers in lieu of fuse.
- A body up-fitter electrical wiring junction box shall be mounted behind cab at the left frame area for lighting connections and shall be labeled.
- Trailer towing wiring effects on unit (per Road Commission requirements).
- Auxiliary snowplow light wiring to front hood.

Yes: _____

No: _____

Exceptions: _____

S16 CAB:

Minimum Specifications

- Conventional style severe duty adjustable air-ride with extra sound abatement package.
- Hood
 - o Tilt with fixed grill and rubber fender extensions.
 - o Upgraded hood springs.
 - o Hood opening shall not interfere with plow hitch when plow attached.
- Driver's seat
 - o Fabric covered air suspension type with high back.
 - o Air lumbar support.
 - o Left and right armrest.
 - o Hi-Viz seatbelts.
- Fixed passenger seat.
- 18 inch tilt steering wheel with telescoping column.
- Heavy duty fresh air heater/defroster. The defroster shall be designed to keep all windows fog and frost free.
- Air conditioning.
- Heavy-duty multi-speed intermittent electric windshield wipers, bottom mount with heated washer system.
- AM/FM Radio with Bluetooth.
- Adjustable, swing out sun visors.
- Under cab and firewall insulation (Arctic Package).
- Stainless steel heated west coast type mirrors with stainless mountings and 8 inch spot mirrors.
- Cab mounted grab handles on both driver and passenger sides.
- Turn signals shall be self-canceling, with a heavy duty flasher (signal-stat 915 or equivalent).
- Gauges
 - o Voltmeter.
 - o Hour meter.
 - o Oil pressure.

- Coolant temperature.
- Tachometer.
- Speedometer.
- Air pressure.
- Fuel.
- Air cleaner restriction gauge mounted in cab.
- Shall have six (6) additional dash mounted auxiliary 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 and passenger door windows shall be electric powered and controlled at driver's door panel.
- Dual air horns with covers.
- Outside cab lights shall be of a low profile or flush mounted.
- Dome light in cab.
- Drive speed sensor for sander control.
- Under cab and interior cab floor undercoating.

Yes: _____ No: _____

Exceptions: _____

S17 FUEL TANK:

Minimum Specifications

- Disposable type for transport only.
- Shall be returned to supplier for credit.

Yes: _____ No: _____

Exceptions: _____

S18 RUNNING BOARDS:

Minimum Specifications

- Provide two (2) at a minimum of 24 inches clearance ground up, 6 inches in

width.

Yes: _____

No: _____

Exceptions: _____

S19 PAINT:

Minimum Specifications

- Cab: red, solid color vermillion.

Yes: _____

No: _____

Exceptions: _____

S20 REQUIRED DOCUMENTATION SUPPORT:

Minimum Specifications

- Parts and service manuals with electrical schematics and line-setting sheet.
- Component parts and serial numbers on separate sheets, i.e. engine, transmission, differentials, belts, and cooling hoses.

Yes: _____

No: _____

Exceptions: _____

Tandem Axle Cab and Chassis Trucks

GENERAL DESCRIPTION

The bid is for three (3) current model year tandem axle cab and chassis trucks. These trucks will be used as a heavy-duty road maintenance vehicle and will be equipped with an underbody scraper, all-purpose material spreader with onboard pre-wet capabilities, front snowplow and side mounted snow wing and a trailer package.

The following specifications are to be considered the minimum specifications for the truck bid. Pricing shall include the manufacture's standard warranty. Extended warranty packages shall be priced separately as an optional bid. Bidders may recommend options, indicating specifications and pricing for each.

SPECIFICATIONS

47X Western Star (or equivalent) – Tandem Axle Truck

T1 GVWR:

Minimum Specifications

- 66,000 pounds.

Yes: _____

No: _____

Exceptions: _____

T2 DIMENSIONS:

Minimum Specifications

- 214 inch wheel base with set back front axle.
- 138 inch cab to trunnion.
- 24 inch ground up clearance to accommodate underbody scraper.

Yes: _____

No: _____

Exceptions: _____

T3 FRAME:

Minimum Specifications

- Heavy duty single channel frame (15.0 mm) with full-length heat-treated C-channel reinforcements for severe duty.
- Heavy duty cross members at all locations.
- Frame assembly must exceed 64,000 lbs. GVWR.
- The front frame shall be full depth at front and extend 18 inches beyond the grill.
- Omit the front bumper.
- 24 inch frame to ground clearance required with 65" A.F.

Yes: _____

No: _____

Exceptions: _____

T4 ENGINE:

Minimum Specifications

- Diesel (Cummins X12 desired).
- 500 hp @ 1900 RPM, 1850 Lb-Ft of torque @ 950 RPM.
- Engine compression brake (Jacobs Model).
- Cartridge Filters.
 - o Oil.
 - o Coolant.
 - o Air (dry-type dual element).
 - o Fuel.
- Air filter enclosure shall have integral snow valve with cab control, inside/outside control and dash mounted.
- Air restriction gauge capable of providing clean, dry air under all-season conditions.
- The primary fuel assembly will be a combination heater/water separator with ejection valve mounted under the hood.
 - o Daco Fuel Pro primary fuel filter assembly preferred.
- The engine shall have a 1350 adapter plate to accommodate a front-mounted hydraulic pump.

Yes: _____

No: _____

Exceptions: _____

T5 TRANSMISSION:

Minimum Specifications

- Allison 4500 RDS - Automatic Transmission, 6 speed.
- Gear ratio to be 4.30.
- Transmission and rear axle geared not to exceed 75 mph.
- Provide computer printout of drive train showing ground speed and torque in all gears at specified engine RPM.

Yes: _____

No: _____

Exceptions: _____

T6 FRONT AXLE AND SUSPENSION:

Minimum Specifications

- Axle
 - o Meritor FL-941 or Deit DA-F-20.0-5 preferred.
 - o Driver controlled traction differential with independent dash-mounted control switch.
 - o Set back axle.
- Suspension
 - o Drop I-beam type (20,000 lbs. minimum).
 - o 23,000 lbs. multi-leaf springs.
 - Torque rods.
 - Shock absorbers.

Yes: _____

No: _____

Exceptions: _____

T7 REAR AXLE AND SUSPENSION:

Minimum Specifications

- Axle
 - o Single drive Meritor RT-46-164p.
 - 46,000 lbs. minimum.
 - Lube oil pump.
 - Spin-on filter.
 - o Driver controlled traction differential with independent dash-mounted control switch.

- Driver controlled inter-axle lock.
- Suspension
 - Hendrickson Haulmaax EX
 - Walking beam type
 - 54-inch axle spacing.
 - 52,000 lbs. capacity.
 - Rubber end bushings.
 - Transverse torque rods.
 - Less shock absorbers.
 - 10.5-inch ride height.

Yes: _____

No: _____

Exceptions: _____

T8 TIRES AND RIMS:

Minimum Specifications

- Front (2)
 - 22.5 x 12.25 heavy-duty painted steel 10 stud hub piloted flange-nut mount wheels.
 - 425/65R22.5 Michelin XYZ-3, 20 ply radial load range (J) tires.
- Rear (8)
 - 22.5 x 8.25 heavy-duty painted steel 10 stud hub piloted flange-nut mount wheels.
 - 12R22 Michelin XDN2, 16 ply radial load range (H) tires.
- Dealer to supply two spare wheels/rims one (1) front and one (1) rear.

Yes: _____

No: _____

Exceptions: _____

T9 DRIVE LINES:

Minimum Specifications

- RPL35 Meritor main driveline.
- RPL25 Meritor inter-axle driveline.

Yes: _____

No: _____

Exceptions: _____

T10 COOLING SYSTEM:

Minimum Specifications

- 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.

Yes: _____

No: _____

Exceptions: _____

T11 EXHAUST:

Minimum Specifications

- Right hand outboard mounted vertical after-treatment system assembly with top stack.
- Shall not interfere with mounting of operation of underbody scrapper, dump body, fuel/oil tank, or operator's field of vision through the rear-view mirrors.
- The vertical portion of the exhaust shall not be mounted to the cab.
- The chassis dealer will be responsible for required clearances on chassis.

Yes: _____

No: _____

Exceptions: _____

T12 BRAKES:

Minimum Specifications

- Dual air anti-lock S-cam system (Meritor Q-plus front and rear preferred).
- All wheels with automatic slack adjuster (front and rear).
- Heavy-duty spring actuated parking brakes on rear axles.
- Dust shields.
- Air and electrical connections to rear of frame with glad hands for trailer functions.

Yes: _____

No: _____

Exceptions: _____

T13 STEERING:

Minimum Specifications

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

Yes: _____

No: _____

Exceptions: _____

T14 AIR COMPRESSOR:

Minimum Specifications

- 19.0 CFM air compressor.
- Engineer mounted direct drive.
- Storage tanks.
- Air dryer (Meritor-Wabco system saver 1200) mounted on outboard righthand frame rail.
 - o Shall be mounted to not interfere with underbody or other equipment.
 - o Air dryer shall include a quick-change spin on desiccant cartridge.

Yes: _____

No: _____

Exceptions: _____

T15 ELECTRICAL:

Minimum Specifications

- 160-amp alternator (Delco 36-SI preferred).
- Batteries
 - o 12-volt system.
 - o Three (3) absorbed glass mat group 31 batteries with a minimum 3,375 CCA total.
 - o Battery box mounting.
 - Left side of vehicle.
 - Under cab or passenger seat.
 - o Jump start provision located on frame next to starter.
- Locking Master electrical disconnect switch.
 - o Interior cab mounted.
 - o Three(3) minute delay.
 - o Exterior LED indicator.
- All exterior lights shall be LED.

- The four-way flasher system must handle a minimum 35-amp load and hazard lights for heavy duty. Automatic circuit breakers in lieu of fuse.
- A body up-fitter electrical wiring junction box shall be mounted behind cab at the left frame area for lighting connections and shall be labeled.
- Trailer towing wiring effects on unit (per Road Commission requirements).
- Auxiliary snowplow light wiring to front hood.

Yes: _____

No: _____

Exceptions: _____

T16 CAB:

Minimum Specifications

- Conventional style severe duty adjustable air-ride with extra sound abatement package.
- Hood
 - o Tilt with fixed grill and rubber fender extensions.
 - o Upgraded hood springs.
 - o Hood opening shall not interfere with plow hitch when plow attached.
- Driver's seat
 - o Fabric covered air suspension type with high back.
 - o Air lumbar support.
 - o Left and right armrest.
 - o Hi-Viz seatbelts.
- Fixed passenger seat.
- 18 inch tilt steering wheel with telescoping column.
- Heavy duty fresh air heater/defroster. The defroster shall be designed to keep all windows fog and frost free.
- Air conditioning.
- Heavy-duty multi-speed intermittent electric windshield wipers, bottom mount with heated washer system.
- AM/FM Radio with Bluetooth.
- Adjustable, swing out sun visors.
- Under cab and firewall insulation (Arctic Package).
- Stainless steel heated west coast type mirrors with stainless mountings and 8 inch spot mirrors.
- Cab mounted grab handles on both driver and passenger sides.
- Turn signals shall be self-canceling, with a heavy duty flasher (signal-stat 915 or equivalent).
- Gauges
 - o Voltmeter.
 - o Hour meter.
 - o Oil pressure.
 - o Coolant temperature.

- Tachometer.
- Speedometer.
- Air pressure.
- Fuel.
- Air cleaner restriction gauge mounted in cab.
- Shall have six (6) additional dash mounted auxiliary 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 and passenger door windows shall be electric powered and controlled at driver's door panel.
- Dual air horns with covers.
- Outside cab lights shall be of a low profile or flush mounted.
- Dome light in cab.
- Drive speed sensor for sander control.
- Under cab and interior cab floor undercoating.

Yes: _____ No: _____

Exceptions: _____

T17 FUEL TANK:

Minimum Specifications

- Disposable type for transport only.
- Shall be returned to supplier for credit.

Yes: _____ No: _____

Exceptions: _____

T18 RUNNING BOARDS:

Minimum Specifications

- Provide two (2) at a minimum of 24 inches clearance ground up, 6 inches in width.

Yes: _____

No: _____

Exceptions: _____

T19 PAINT:

Minimum Specifications

- Cab: red, solid color vermillion.

Yes: _____

No: _____

Exceptions: _____

T20 REQUIRED DOCUMENTATION SUPPORT:

Minimum Specifications

- Parts and service manuals with electrical schematics and line-setting sheet.
- Component parts and serial numbers on separate sheets, i.e. engine, transmission, differentials, belts, and cooling hoses.

Yes: _____

No: _____

Exceptions: _____

Emmet County Road Commission
Single Axle and Tandem Axle Truck Bid Sheet

(To be completed by bidder in ink or typewritten)

Company Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____

Contact Person w/Title: _____

E-Mail: _____

F.O.B. to Emmet County Road Commission, 2265 East Hathaway Rd, Harbor Springs, MI 49740

	2 - Single Axle Trucks	3 - Tandem Axle Trucks
Year		
Make		
Model		
Price per Unit		
Sub-total		
TOTAL FOR ALL FIVE (5) TRUCKS		

Anticipated Delivery Date: _____

Allowable Discounts and/or Payment Terms

OPTIONS:

Engine, Drive Train & Chassis Extended Warranty:

Towing & Roadside Service:

Costs:

	2 - Single Axle Trucks	3 - Tandem Axle Trucks
Engine, Drive Train & Chassis Extended Warranty		
Towing & Roadside Service		

Authorized Signature

Date

Printed Name