

**NOTICE TO BIDDERS
2022 ROAD MAINTENANCE EQUIPMENT**

**OGEMAW COUNTY ROAD COMMISSION
WEST BRANCH, MICHIGAN
(989) 345-0234**

Sealed proposals will be received by the Board of County Road Commissioners of the County of Ogemaw at their offices at 1250 S. M-33, P.O. Box 157, West Branch, Michigan 48661 until **4:30 P.M. on September 28, 2021**. Bids will be publicly opened and read aloud at **9:00 A.M.** local time, on **September 29, 2021** for furnishing the following:

One (1) New 2023 66,000 GVWR Heavy Duty Tandem Axle Chassis'

Further specifications may be obtained from the Ogemaw County Road Commission or from our website at www.ogemawcrc.org.

All bids must bear bidder's name and name of bid item plainly marked on the outside of the sealed envelope.

The Ogemaw County Board of Road Commissioners reserves the right to accept or reject any bid or portion thereof as they deem to be in the best interest of the Ogemaw County Road Commission.

Board of County Road Commissioners
County of Ogemaw
Dan Winter, Chairman

OGEMAW COUNTY ROAD COMMISSION
1250 S. M-33, P.O. BOX 157
WEST BRANCH, MI 48661
(989) 345-0234

ONE (1) 2023 MINIMUM BID SPECIFICATIONS
NEW HEAVY-DUTY TANDEM TRUCKS
AND HIGHWAY MAINTENANCE CHASSIS SPECIFICATIONS

The following specifications shall be a minimum and any variations shall be noted on the bid.

It is the intent that this unit may be used as a highway maintenance truck equipped with underbody blade, snow plow, and front hitch.

- Quantity:** One (1)
- GVWR:** 66,000
- Front GAWR:** 20,000
- Rear GAWR:** 46,000
- Engine Options:** 450 HP, 1650 torque
With manufacturer's engine braking options (contact Road Commission prior to installation of engine brake).
- Engine Fan:** Kysor fan clutch
With manual override switch – Dash mounted
- Air Cleaner:** Dry type filter with air intake capable of providing dry clean air under all seasonal conditions with all joints clamped. With inside-outside air intake available with manual adjustment or air.
- Exhaust:** Vertical muffler and straight vertical tail pipe, with safety shield assembly. Must be mounted outside the frame rails. 24" ground clearance must be maintained. 3" clearance between frame and exhaust pipe.
- Fuel Tank:** Fuel system may be disposable for transport only. Deliver to county with truck. DEF tank large enough to treat 80 hours of engine operation, 20 gallon minimum. Davco Fuel Pro-filter. DEF tank behind left front tire.
- Bumpers:** Delete for credit.
- Transmission:** Detroit DT12
Option: Eaton Fuller 13-speed non-automated

Clutch:

List:

Type:
Rating:
Options:

Drive Line:

1810 Series, U joint, heavy duty, quick change.

Rear Axle:

Meritor 46,000 rear axle tandem RT-160P with gear ratio to accommodate 65 MPH road speed.

OR Option: RT-164P

Differential lock and axle lock both forward/rear and rear/rear axles air operated differential with indicator light from in cab 51" spread.

Wet type wheel seals. Magnetic fill plugs. Dust Shields. Cast steel wheel hubs, hub must be same size as axle to facilitate wheel change.

Rear Suspension:

40,000 lb. Airliner with FOR and AFT transverse torque rods with dual leveling valves.

Rear Tires:

12R22.5, Michelin XDS load range H, hub pilot wheel with single lug nut 8-1/4" wide.

Front Axle:

20,000 lbs. GAWR

Grease-able drag link and tie rods.

Oil lubricated wheel seals.

Integral power steering with two (2) steering gears.

Set back design.

Dust shields.

Specify max wheel cut (turn radius).

Cast steel wheel hubs.

Front Springs:

23,000 lbs. at ground as a minimum to meet GAWR for snow plow service.

H.D. shock absorbers.

Threaded spring bushings.

All cast steel hangers and shackled rear spring eyes.

Front Tires:

315/80 R 22.5, Michelin X-works load range H or equal, Hub pilot wheel, 22.5 X 9 steel 10,000# load range.

Frame:

Single 1/2" thick minimum resistance bending moment 3,200,000 with straight through integral front frame extension straight through – 24" from grill forward for the purpose of mounting snowplow. Front frame crossmember for front mount hydraulic pump. Full bolted construction with no obstructions on top of frame rails behind cab, i.e. bolt heads & rivets. 80" after frame from trunnion to rear of frame for the purpose of mounting a wing.

Brakes:

Full air brakes. S-Cam drum air brakes only.

Spring loaded parking brakes on both rear axles.

15.5 minimum cubic foot gear driven air compressor.

Outboard mounted rims on rear axles with drum brakes.

Gunitite automatic slack adjustors with 6" rear center to center or longer.

Front 16.5 X 6 drum with 3" long stroke brake chamber.

Rear 16.5 X 7 long stroke brake chamber.

Brake con't: ABS sensors at all wheels with traction control, Model 656M with ATC.

Air Dryer: Wabco 1200 plus with spin on filter cartridge or equivalent. Factory installed.

Paint: Omaha orange.

Cab: Galvanneal treated steel cab with dual seal doors. To have flat floor from pedal area to rear of cab. Large 350 lb. capacity HD cloth air ride drivers seat high back design minimum of 20" X 20" bottom cushion minimum, dual arm rests. Fixed single person passenger seat with under-seat battery box. Electric intermittent operated windshield wipers, electric windshield washers, telescoping tilt wheel, power windows, dual sun visors, dual air horns with snow shields, 6" x 16" heated west coast mirrors, 2 – 8" convex mirrors, stainless 7/8" mirror frames, outside grab handles, tool box cab steps on both left and right sides with ground clearance for underbody scraper, and stainless steel sill plates.
Tinted glass at top of heated windshield, all windows to have sun glare protection. Lower right-hand visibility window on passenger door.
Fleet instrument panel to have direct read individually replaceable gauges and circuit breakers in lieu of fuses.
Gauges to be volt, oil pressure, temperature, tachometer with hour meter, speedometer to read in tenths of miles, turbo boost. Outside ambient air temperature sensor to read inside cab.
Sensors to assist driver pre-check for engine oil, coolant, transmission oil levels.
Auxiliary window fan.
Air cleaner restriction gauge mount in cab, engine alarms with light and audio for air, oil, and water, AM/FM radio, and factory installed in dash air conditioner. Highline insulated interior trim – no exposed metal. Rear window.
Air ride cab, suspended brake, & fuel pedals.
Rubber chloride/salt resistant floor covering.
Backwall mounted record storage filing system – 3 pocket.

Hoods: To be of fiberglass construction, tilt hood and fixed metal grill.
Option: Hood lift assist.
Option: High visibility.
Option: Heavy duty vocational.

Electrical: 160-amp Delco 36SI alternator brushless, with 2775 CCA minimum capacity sealed battery under passenger seat.
OR Alternate alternator, list model.
Gear reduction starter.
Capable of accepting Flaming River battery disconnect system with 3-minute delay meeting MCRCSIP specifications.
Fender mount turn signals.
Halogen head lights.
Option: LED lights
Wire harness for plow lights to work alternately with head lights and switch mounted in cab.
Full wrap wire harness (no split-loom).
Independent speed sensor hookup for ground speed control, available in cab.
Wire effects for 2-way radio factory installed overhead console.

- Electrical con't:** Factory installed 6-way switch panel for county installed electrical equipment 20 amp per circuit cab mounted junction box.
No multiplex except as needed for engine gauges.
Cruise control to 5 mph – PTO control from driver’s seat with 1000 RPM capability.
- Software:** Listing of all installed software components: PTO settings, cruise control, road speed in all gears, etc.
- PTO:** Front end of crankshaft mount for mounting 1310 series, spicer shaft and joints from hydraulic pump.
- Radiator:** Minimum 1375 sq. inch cooling surface area. With cut outs for PTO shaft, if necessary for heavy duty for slow speed blading operations. 100% duty cycle.
- Special Equipment:** 24” ground clearance under running boards, toolboxes, frame rails, diesel exhaust fluid tank (DEF), and exhaust particulate furnace.
- Cab to Axle:** 138” or longer C-to-A (129” between front and rear tire depending on make & model).
(or rear of exhaust) To be determined at bid letting.
- After Frame:** 80” minimum from trunnion to rear of frame.
- Between Tires:** 129” from back side face of steer tire to front side face of front drive axle.

Dimensions	Inches
Bumper to Back of Cab (BBC)	134.5
Bumper to Centerline of Front Axle (BA)	71.2
Min. Cab to Body Clearance (CB)	3.0
Back of Cab to Centerline of Rear Axle(s)	138.7
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	120.8
Back of Cab Protrusions (Exhaust/Intake) (CP)	17.9
Back of Cab Protrusions (side Extenders/Trim Tab) (CP)	0.0
Back of Cab Protrusions (CNG Tank)	1.0
Back of Cab Clearance (CL)	17.9
Back of Cab to End of Frame	218.7
Cab Height (CH)	73.0
Wheelbase (WB)	202.0
Frame Overhang (OH)	80.0
Overall Length (OAL)	353.2
Rear Axle Spacing	51.0
Unladen Frame Height at Centerline of Rear Axle	42.2

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Warranty: State complete warranty details.

Written Warranties and Exceptions on:

**Note: Warranty to begin on the in-service date of each truck*

**Note: List available extended warranties not included in bid*

Cab, Body ECM, Wipers, Heater, A/C:
Engine & Component Parts (Engine ECM):
Brakes, Chambers, Slack Adjusters, & ABS ECM:
Driveline, Transmission, Transmission ECM, Drive Axles, & Clutch:
Starter & Alternator:
Suspension Front & Rear:
Cooling System:
Other (Computers & Sensors):

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Engine Diagnostic Transmission Diagnostic Equipment: Bidder shall supply the engine setup and diagnostics software and hardware. Bidder shall supply the transmission setup and diagnostics software and hardware. Bidder to include training to Road Commission personnel for usage of diagnostic equipment. Bidder shall check with Road Commission prior to bid if updates are needed and the type equipment existing.

Annual Diagnostic Software Charges: \$ _____

Manuals: Online access shall be provided.

Manuals on CD Software Charges: \$ _____

Literature: Submit two (2) copies of current model bid for body and cab and chassis.

Delivery: Prices shall be F.O.B., Ogemaw County Road Commission, West Branch, Michigan. Estimate of miles at delivery.

Bid Deadline: Equipment bid deadline is September 28, 2021 at 4:30 p.m.

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Bid Price: \$ _____

Signature

Company

Title

Date

E-Mail Address

Phone Number