



Antrim County Road Commission

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March 11, 2025

NOTICE TO TRUCK BIDDERS

Sealed bids will be received for the purchase of a current model year tandem axle trucks until 1:00 PM, Wednesday, April 9, 2025 at which time they will be publicly opened and read. Bids shall be received at the office of the Antrim County Road Commission, PO Box 308, 319 E. Lincoln St, Mancelona, Michigan 49659-0308. Bids will be tabulated and a recommendation will be made to the Board of County Road Commissioners at their next regular meeting.

General Description

These specifications are for two (2) current model year tandem axle cab and chassis' having GVWR's of 64,000 pounds. These trucks will be used as heavy duty road maintenance vehicles and will be equipped with underbody scrapers, thirteen (13) foot all-purpose material spreaders with on board pre-wet capabilities, front snow plow hitches and side mounted snow wings.

These are minimum specifications. Pricing shall include manufacturers' standard warranty. Extended warranty packages will be priced separately as an optional bid. Bidders may recommend options, indicating specifications and pricing for each.

General Specifications

GVWR	64,000 pounds
Wheelbase WB	205 inches
Cab to Trunion CA	Approximately 132 inches
After frame EOF	65 inches
Bumper to Back of Cab BBC	123 inches
Front axle FA	Set back with a capacity of 20,000 pounds
Rear axle RA	46,000 pounds

Exact specifications are to confirmed with the ACRC prior to ordering

Engine

Detroit Diesel, Cummins, or Paccar
Minimum 410 HP at rated RPM, 1550 lb/ft torque at rated RPM
DEF tank and hoses, of sufficient length. to allow for relocation by body builder
12V, 160A pad mounted alternator
19 CFM single cylinder air compressor
Engine braking capabilities
Air conditioning compressor
Kysor air operated fan clutch

Engine (cont)

1350 Adapter flange for front mounted PTO

12V, 39MT starter

Three (3) Group 31S 1000CCA AGM batteries

Winterized to -34F

Radiator shall be sized to allow for crankshaft mount PTO

Provisions for inside/outside air intake, selectable from dash mounted switch

Real time vehicle system monitoring software shall be installed and activated at the time of delivery, coordinate with the Road Commission for contact information

Aftertreatment device

If possible, the aftertreatment device is to be of a compact design

To be located vertically, behind the cab, on the passenger side or horizontally under passenger step provided sufficient clearance for underbody scraper with vertical exhaust stack.

Transmission

Eaton Ultrashift Endurant XD Vocational Transmission

Eaton-Fuller Model EXDP-16F118D

All cab mounted warning lights and temperature gauges

Transmission shall have a pedestal mounted, "cobra head" style controller

Vehicle speed sensor shall have dual leads, to allow for ground speed sander control connection without splicing

Low speed capabilities of approximately 5 MPH at rated RPM without braking

Top speed at rated RPM shall be 55MPH

Must maintain 24" ground clearance

Driveline to have all 1810 half-round u-joints

Frame

Single rail frame

Frame shall have these minimum specifications:

Section modulus 21.0 in³

RBM 2,500,000 inch pounds

120 KSI

Front frame extensions, 20" minimum

Front frame shall not be splayed

Front frame reinforcement as necessary for front mount snow plow

65" end of frame

Rear most cross member shall be tubular

All items attached to the frame must maintain a 24" ground clearance

Front axle and suspension

Setback 20,000 pound single front axle

Front axle and suspension (cont)

Iron, hub piloted, front hubs with vented hub caps, window and center plug
Dual power steering gearboxes
Synthetic 75W-90 front axle lube
22,000 pound leaf springs
Heavy duty front shock absorbers

Rear axle and suspension

46,000 tandem rear axle, RT-46-160 or equivalent
Gear ratio compatible for 55 MPH and vocational use
Iron, hub piloted, hubs
Rear ends are to be of an axle lock design and shall be controlled from the cab
Synthetic 75W-90 rear axle lube
Hendrickson Haulmax rear suspension, 10.5" ride height
Four (4) heavy duty shock absorbers

Braking System

Braking system shall be air disc design
Heavy duty calipers with dual pistons
ABS to be 6S/6M with driver controlled ATS shut-off
All steel tanks, must maintain 24" ground clearance
Air dryer with governor and heater
Rear brake geometry to allow for asphalt spreader

Chassis equipment and fuel tanks

Omit front bumper
Front mounted tow hooks, coordinate with bodybuilder for placement
No rear mud flaps or brackets
Transit fuel tank only

Tires and Wheels

Front tires shall be 385/70R22.5, 20 ply, with an aggressive all weather tread
Rear tires shall be 11R22.5, 16 ply, with a mud and snow gripper style tread.
All tires shall be of the same brand.
Brand and tread style shall be approved by the Road Commission prior to ordering.
All wheels shall be steel and sized appropriately
All wheels shall be 10 bolt, hub piloted severe duty with two hand holes

Cab Exterior

Aluminum/galvanized steel air ride conventional cab
Bolt on flexible front fender extensions
LED or Integral halogen headlights
All exterior lighting, with the exception of the headlights, are to be LED
Integral stop/tail/turn/backup lighting with 7 feet additional wire at rear
Auxiliary wiring harness to the front of the truck, to allow for plow and fog lights
Tilt forward fiberglass hood with stationary front grille with fender extensions

Cab Exterior (cont)

Dual roof mounted air horns
Door locks and ignition keyed alike
Furnish three (3) keys
Grab handles on both sides
Dual stainless steel heated west coast style mirrors, both sides
Dual 8" convex mirrors mounted under primary mirrors, both sides
Electric windows on both sides, controlled from drivers side
Electric wipers with intermittent controls and washers on both sides
Aluminum enclosure with integrated step on driver's side containing batteries
Aluminum toolbox enclosure with integrated step on the passenger side (provided aftertreatment not located in this position)

Cab Interior

Deluxe soundproof interior with head and back wall liner
Molded rubber floor mats
Standard heater, defroster, air conditioner
HVAC ducting to guard against snow infiltration on fresh air intake
Deluxe high back air suspension driver seat with lumbar support and armrests
Standard suspension passenger seat
Steering column to be adjustable, with fore and aft tilt and telescopic functions
Firewall mounted suspended brake pedal
Door operated dome light
All interior lighting to be LED
Orange seatbelts on both sides
Interior sun visors on both sides
No fire extinguisher or safety triangles

Instruments and Controls

All standard gauges, including but not limited to speedometer, tachometer, odometer, ammeter, hour meter and engine coolant temperature with warning buzzers
Dual air gauges with warning buzzer

Instruments and Controls (cont)

Electric fuel gauge

Electric DEF gauge

Diagnostic interface connector, 9 pin, SAE J1939

AM/FM radio with dual speakers with antenna mounted on left "A" pillar

Solid state circuit protection and fuses

12V, negative ground system

Switch layout is to be approved by the Road Commission, prior to ordering

Six (6) dash mounted auxiliary switches with indicator lights, switches are to be on individual 20 amp circuits. Switches are to factory labeled as follows; two (2) switch covers to be blank, two (2) labeled "strobe light", two (2) labeled "work light"

Switch for plow light package

Switch for fog light circuit

Turn signal switch with dimmer and washer/wiper control

Factory installed battery disconnect on ground wire circuit, to be located on the cab floor outboard of the driver's seat

When in the disconnect position, the switch shall disable all circuits

If necessary, the disconnect switch shall allow for an automatic delay for DEF system purging

Paint

Cab and hood to be BC/CC Omaha Orange

Frame to be black

Wheels to be white

Documentation and Support

Provide on-line access to parts and service manuals, including electrical diagrams

Provide all current diagnostic software, include first year free of charge; contact the Road Commission for currently owned software.

Provide on-site technician training as needed

Provide on-site warranty repairs

Extended warranty packages

Specify length of extended warranties and providers

Itemize costs for all extended warranty package

Miscellaneous

All warranty start dates will be after completion by ACRC and considered road ready by ACRC

Contact the Road Commission for review of order specifications prior to the truck being ordered

Bid Submission

Complete listing of specifications must be included with bid
Enclose informational brochures
Specify approximate lead time

Pricing to be FOB Mancelona, MI

Bids shall be placed in a sealed envelope and marked “**2025 CAB & CHASSIS BID**”

Antrim County Road Commission contact: Andrew Fisher, Fleet and Facilities Manager 231-587-8173 or
E-mail (preferred) at afisher@antrimcrc.org

The Antrim County Road Commission reserves the right to accept or reject any or all bids, to waive any irregularity or defect in a bid, or to accept the bid which in the opinion of the Road Commission is in its best interest.

Burt R. Thompson, P.E.
Engineer-Manager