

HARRY HAGSTROM, CHAIRMAN
HAROLD FALAN, VICE-CHAIRMAN
DEAN JURIK, MEMBER
JIM LEGGETT, MEMBER
ROBERT HILTY, MEMBER

85 WEST HIGHWAY M-115
BOON, MICHIGAN 49618
PHONE 231-775-9731
FAX 231-775-9732
WWW.WEXFORDCRC.ORG

WEXFORD COUNTY ROAD COMMISSION

OUR MISSION IS TO IMPROVE AND MAINTAIN A SAFE AND EFFICIENT ROAD SYSTEM

BID PROPOSAL

Sealed bids will be received at the office of the Wexford County Road Commission, 85 W. M-115, Boon, Michigan 49618 until **2:00 p.m. Monday, November 27, 2023**, for:

Five (5) New Tandem Drive Truck Chassis

Specifications and bid sheets can be obtained at the above address or by visiting www.wexfordcrc.org.

All bids must be submitted in a sealed envelope bearing the name of bidder, item being bid, and clearly marked as a sealed bid.

The Wexford County Road Commission, in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 USC 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of 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 contract 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 gender, disability, race, color, or national origin in consideration for an award.

The Board reserves the right to reject any or all bids, waive any defects, and to accept the bid which, in its opinion, is the most advantageous to the Road Commission.

WEXFORD COUNTY ROAD COMMISSION

Harry Hagstrom, Chairman
Harold Falan, Vice Chairman
Robert Hilty, Member
Jim Leggett, Member
Dean Jurik, Member

Bid due @ 2:00 p.m. Monday, November 27, 2023
85 W. M-115, Boon, MI 49618
231-775-9731

This bid sheet must be used for submitting a bid for five (5) New Tandem Drive Truck Chassis, meeting specifications listed below. Please indicate "yes" if bid meets specification, or list the deviation from specification, for each item.

Western Star 47X, or equivalent.

These specifications include furnishing and delivering five (5) tandem axle chassis having a 66,000 lb. (minimum) G.V.W.R. It is intended for these units to be used as heavy-duty maintenance trucks, each equipped with underbody blade, front snowplow, dual wing plows (left and right), and RDS or Duzmor 10-yard spreader body and rear discharge auger sander. **To be delivered in 2024.**

The chassis units to be complete per these specifications. Bidders may recommend options, indicating type and specifications for the options, as supplementary bids to be considered as part of the bid.

New equipment being bid per specifications on following pages:

Make: _____ Model: _____

Year: _____ G.V.W.R. _____

MINIMUM SPECIFICATIONS:

Chassis dimension and capacity:

1. Cab to axle 138" minimum _____
2. Wheelbase 222" minimum, to be determined by body builder and WCRC at time of bid award _____
3. After Frame 70" minimum _____
4. Set back front axle 20,000 lb. minimum dual gear boxes with power steering _____
5. Front axle 20,000 lbs. with oil lube wheel seals and greaseable draglinks and tie rods _____
6. Springs shall match axle capacity _____
7. Heavy duty shocks are required on all axles _____
8. Rear axle 46,000 lb. Rockwell RT 46 160P with filter guard (4.89 gear ratio) with power divider interaxle lock and driver controlled differential lock for both front and rear differentials. Consult W.C.R.C. about ratio. _____
9. Rear suspension: Airliner 46, 4600 lbs. rear air suspension, 10" ride height with manual dump valves for air suspension with leveling valves for each side and lighted indicator gauges for each side _____

Brakes:

1. Total lining area shall be adequate for size of axles and G.V.W. furnished
 - a. FRONT 16.5" X 6" cam with 6" chambers minimum with dust shields for all axles _____
 - b. REAR 16.5" X 7" S cam minimum with four (4) corner park brakes with Haldex auto slacks and dust shields for all axles _____
2. Rear spring brake chambers to be Anchorlok Life-seal _____
3. BW system guard air dryer with heater BW AD9IP, factory installed _____
4. Antilock brake ECU mounted inside of cab _____

Air Compressor & Air Tanks:

1. B/W 19.0 C.F.M. minimum, water cooled _____
2. Air tanks to be mounted outside of frame rails _____
3. Air Dryer to be mounted of Left Frame Rail _____

Cab:

1. All weather, severe service, full size cab of latest design including cup holders, with deluxe sound suppression cab insulation package _____
2. Two (2) stainless steel, heated, west coast rearview mirrors, right & left _____
3. Electric two (2) speed heated windshield wipers (intermittent) with windshield washers _____
4. Turn signals front and rear _____
5. Tachometer and hour meter _____
6. Mechanical gauges for oil pressure, water temperature, alternator, and fuel tank _____
7. Engine monitor Data Star, or approved equal _____
8. I.C.C. required lights & reflectors _____
9. Heavy duty fresh air type heater & defroster _____
10. Heater in-line shut off valves _____
11. Air conditioning _____
12. Drivers' seat, Atlas Vibration Reduction Seat VRS w/ armrests, high back and air suspension _____
13. Passenger seat, fixed Lo-Back w/ Battery Box (cloth) _____
14. Interior sun-visor, both sides _____
15. Heated Windshield _____
16. Tinted glass, including 3-piece rear window _____
17. Air intake to be inside/outside Donaldson stainless, L-H. mount _____
18. Option – outside air temp gauge _____
19. Option-Tunnel Floor Mounted Shifter _____

- 20. Electric window opener on passenger door with control mounted for driver operation _____
- 21. Dual air horns, with covers _____
- 22. Fire wall suspended brake pedal _____
- 23. Grab handles, interior & exterior, both sides _____
- 24. Tilt forward hood, with stationary radiator and grill to clear Wexford County Road Commission plow mount (38 1/2") _____
- 25. Air ride cab suspension (Cab Mate) 2-point anchor _____
- 26. One-piece molded rubber floor mat _____
- 27. Headliner and back panel _____
- 28. Dome light - door operated _____
- 29. Radio, AM/FM, Bluetooth _____
- 30. Antenna, left-side mount, A-Pillar _____
- 31. Dual power steering, integral _____
- 32. Standard retractable driver & passenger seat belts _____
- 33. Stainless steel sun visor for windshield _____

Frame:

- 1. Frame shall be heat treated alloy full channel reinforced design, 15MM minimum single frame rail, full depth in front extension _____
- 2. Minimum 38.47 cu. in. per rail Section Modulus, 110,000 P.S.I. _____
- 3. Frame painted to match color of cab _____
- 4. Minimum R.B.M. 4,231,785 lbs. in., per rail _____
- 5. Frame to include extra heavy duty tubular cross members _____
- 6. The air tanks, air dryer, and any other item attached to the truck chassis is required to be a minimum of 24" off the ground _____
- 7. Sealed single frame rail minimum of 15MM thickness _____
- 8. Minimum of 80-inch rear frame overhang _____

Engine:

1. Detroit Diesel D.D. 13, 525 H.P. 12.8 liter _____
2. Minimum engine torque 1850 lbs. ft. _____
3. Donaldson dry type air cleaner with summer/winter air intake, dash control. If external type air cleaner, must be mounted on left side of cab and be stainless steel _____
4. Water filtering system, canister type _____
5. Vertical exhaust pipe behind or along back right side of cab with heat guard, with 24" ground clearance. All flex pipe to be stainless steel _____
6. Full description of any exhaust after treatment system shall be provided with bid proposal

7. 7-year extended warranty on engine EW3 or equivalent _____
8. Front of engine P.T.O. mounted for 1300 Series Spicer Shaft _____
- Option- PTO provision from rear of engine _____
9. Tachometer pickup from ECM, not bell housing _____
10. Air intake restriction indicator gauge, dash mounted _____
11. Alarm warning buzzer & light for low oil pressure, high water temperature, and low air pressure _____
12. Air conditioning pump to be pad mounted _____
13. Option: Virtual Tech. _____

Cooling System:

1. Cooling capacity adequate for engine offered _____

Radiator:

1. Heavy duty construction, minimum 4" clearance: if plastic provided, 5-year extended warranty required

2. Radiator to be 1375 sq. inch minimum _____
3. Viscous type cooling fan or automatic clutch type, 5-year warranty _____
4. Winterized to 34 degrees below zero with SCA type antifreeze _____
5. Heavy duty radiator & core mounting, 5-year warranty _____

6. Constant tension air to air and coolant hose clamps _____

Electrical:

1. Alternator, 160 amp. minimum 28 S.I., pad mount _____

2. Starter Delco 39 MT O.C.P., or Heavy Duty Denso _____

3. Battery, 12 volt, 3 battery system, stud type (900CCA each, minimum), to be mounted in cab under passenger seat _____

4. Auto circuit breakers in lieu of fuses _____

5. 6 Extra dash switches, labeling to be determined _____

6. Separate speed signal hook-up provided in cab for purpose of speedometer signal for ground speed control of salt spreader _____

7. Headlight switch and harness to grill for plow lights _____

8. Severe Duty Wiring Harness _____

9. Factory Install Negative (-) Battery Shut Off _____

10: LED heated headlights _____

Transmission:

1. Allison 6 speed 4700 Series _____

2. Input torque capacity of torque convertor & transmission shall not be less than the maximum torque developed by the engine _____

3. In all cases there must be sufficient under clearance (24" minimum) provided to permit installation & complete operation of underbody scrapers, without exception. Contact Butch at Truck & Trailer per spec.

4. Option- Floor mounted pedestal shifter or paddle style shifter _____

Hubs:

1. Conmet Preset Plus Premium Aluminum Front Hubs _____

2. Conmet Preset Plus Premium Aluminum Rear Hubs _____

Wheels and Tires:

1. Front wheels: Aluminum Alcoa severe-duty 10-hole unimount disc wheels with 2-hole openings—
9.00 x 22.5, #29300 X.H. duty _____

2. Front tires: (2) Michelin 385/80R—22.5, 20-ply _____

3. Rear wheels: Aluminum Alcoa 10-hole Unimount disc wheels with 8.25 x 24.5 heavy duty Accuride
extra service rims with 2-hole openings #28827 X.H. duty, or equal_____

4. Rear tires (8) Michelin XDN2 11.R/24.5 tubeless type radial tires, 16 ply mud & snow

5. Tires and rims must meet or exceed G.V.W.R. of completed truck_____

Drive Line:

1. Spicer 1810 H.D. Series (half round) _____

Fuel Tank/D.E.F Tank:

1. Temporary fuel tank for transport, with dual running boards_____

2. 23 Gallon D.E.F. tank, per Truck & Trailer spec. _____

Paint:

1. Cab to be painted bright red _____

2. Frame & balance of chassis, painted to match cab. _____

Warranty:

1. Complete engine and ECM to include but not limited to injectors turbo sensors harnesses and complete
after treatment system, etc. 7-year, 100% parts and labor _____

2. All other major components, including, but not limited to, front end, air to air cooler and supports,
transmission, front and rear axle assemblies, and frame -- 5-year parts and labor

WARRANTY QUESTIONNAIRE:

Indicate month and/or miles of warranty on the listed components:

Complete engine to include injectors turbo, but not limited to after treatment system, etc.:

Engine	Months_____	Miles_____	Provider_____
After Treatment System	Months_____	Miles_____	Provider_____
Transmission:	Months_____	Miles_____	Provider_____
Frame:	Months_____	Miles_____	Provider_____
Front Axle:	Months_____	Miles_____	Provider_____
Rear Axle:	Months_____	Miles_____	Provider_____
Radiator:	Months_____	Miles_____	Provider_____
Seat: 5-year warranty	Yes_____	No _____	

*All warranty start-up dates to be completed by body builder and road ready at WCRC.

*Vehicle engine & drive line components must be complete.

*Top electronic speed set at 58 mph. Gear for best plowing performance at 35 mph.

*Vehicle bid must meet all Federal, State & local safety standards.

*Successful bidder must furnish complete paper book or CD type illustrated parts, operator, electrical & service manuals, engine fault code book, engine & service & parts manual, latest engine diagnostic and programming equipment, such as Detroit Diesel 3DL software (paid for by vendor for one year after in-service date) and line setting tickets at time of delivery, we have software for series 60, 14 liter, year 2008.

*Included in the above-described manuals shall be engine, chassis, transmission, differentials, and brake system software.

*Engine diagnostic and minor repair training shall be provided for the WCRC shop staff at the WCRC facility.

*Bidder must provide descriptive literature with their bid.

*Bidder must indicate any deviations from specifications and mark yes or no at each item bid.

*All bids must be submitted in a sealed envelope bearing the name of the bidder, appropriately marked as to the item being bid, and marked as a sealed bid.

*Price to be F.O.B. Wexford County Road Commission garage, 85 W. M-115, Boon, MI 49618

*Tax exemption certificate will be signed upon request.

*Percent discount for truck payment within 30 days after delivery to body builder.

Total bid price for new unit according to above specifications: _____

Terms _____

Date of Delivery at Wexford County Road Commission _____

Submitted by:

Company Name

Signature

Address

Name (Typed or printed)

City, State, Zip

Title of person signing (typed or printed)

Telephone

Date

Please contact Travis Smith, Fleet & Facilities Manager, at (616)862-3043, with any questions regarding these specifications.