Crawford County Road Commission

Donald A. Babcock, Managing Director

NOTICE TO BIDDERS

The Crawford County Road Commission will receive sealed bids until 2:30 p.m. (for a bid opening during the 4:30 zoom meeting) on Thursday, May 27, 2021 at their Grayling office located at 500 Huron Street, Grayling, MI 49738, for furnishing the following:

THREE (3) TANDEM AXLE TRUCKS 66,000# GVWR

Specifications may be obtained by contacting the Crawford County Road Commission at the above address.

> "The Crawford 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."

Submit bid in a sealed envelope that is clearly marked with the words: "**Tandem Axle Truck Bid".** The Crawford County Road Commission reserves the right to reject any or all bids, to waive irregularities in the bid, to waive details in the specifications, to withhold any and all trade-in options of the Road Commission, and to accept the bid deemed to be in the best interest of Crawford County.

Board of Crawford County Road Commissioners

Ryan Halstead, Chairman
Gary Summers, Vice Chairman
Cris Jones, Commissioner
Scott Hanson, Commissioner
Ronald Larson, Commissioner

For publication:
Crawford County Avalanche

500 Huron Street • Grayling, Michigan 49738
Phone: (989) 348-2281 • Fax: (989) 348-6933

CRAWFORD COUNTY ROAD COMMISSION
SPECIFICATIONS
FOR THREE TANDEM AXLE TRUCKS 66,000# GVWR

Three heavy-duty cab and chassis to be utilized as highway maintenance unit. Vehicle shall be equipped with 14' V-style aggregate spreader Unit will be equipped with snowplow and underbody scraper and side wing plow. Unit to be supplied as cab and chassis only.

General Information: The tandem axle truck capacity shall be a minimum of 66,000 lb. GVWR. Transmission to be an Allison 4500 RDS Automatic Transmission. The unit shall have the capability of maintaining a top road speed of 65 MPH, fully loaded.

Additional Requirements:

Engine:	Detroit Diesel DD13, 12.8L, 450 HP @ 1800 PRM, 1650 LB/FT @ 1800 RPM. clutch fan (not fluid), exhaust pyrometer gauge. To be equipped with a 2 stage, compression/turbo brake. Engine after treatment device, automatic over the road regeneration and dash mounted regeneration request switch. Other engines will be considered as optional bids, if recommended by the bidder to meet power requirements, EPA Certification and brand preference. Diesel Exhaust Fluid tank to be enclosed.
Fuel Tank:	Delete. Must have skid proof Right and Left running boards.
Front Bumper:	Delete bumper.
Air Intake:	**Dual element** air cleaner, heavy-duty 14" diameter with restrictor gauge. To be under hood type, capable of providing dry, clean air under all seasonal conditions. Snow valve with, in cab controls.
Exhaust:	RH, Vertical Exhaust with after treatment device, Minimum of 24" ground clearance must be maintained between axles. 3" clearance must be maintained between frame and exhaust pipe.
Transmission:	Allison 4500 RDS Automatic Transmission. Transmission controls to be a pedestal mounted T- handle. Lines and fittings shall be of stainless-steel composition.
Drive Line:	2PCS, RPL-25, 44,000 lbs (U-joint and center rest bearing).

Rear Axle/Rear Suspension:

Tandem, (RT-46-164P), Single reduction, std. width, 46,000 lbs. GAWR, Ratio 5.38
Tuftrac style rear suspension (or equivalent) to meet 46,000 lbs. minimum loading.
Remote axle breathers
Manual control differential & inter axle locks, with indicator light.
Magnetic fill plug.
Synthetic Gear Lube 75W90.
Maximum road speed to be 65 mph at GVWR and engine manufacturer's recommended R.P.M.

Front Axle/Front Suspension:

Minimum 20,000# GAWR. Set back axle. Integral power steering.
Synthetic Gear Lube.
Minimum 20,000# Heavy Duty, at ground as minimum to meet GAWR, heavy duty shock absorbers.

Tires: 12R X 22.5 tubeless 12 ply, 16 ply rating radials. Front and Rear tires to be mud and snow design tread, 8.25" heavy duty wheels, 10-hole, hub piloted, steel.

Frame: Resistance bending moment of 2,200,000, with straight through, integral front frame extension - 24" minimum from grill forward for the purpose of mounting snowplow and pumps. Two (2) rear mounted tow hooks. Frame to extend 3 feet behind last spring hanger. Frame to be double or if single to be minimum of ½" thickness.

Brakes: Full air brakes, S-Cam type. With spring loaded parking brakes, on both rear axles, minimum 16.5 cubic foot gear driven air compressor, air-dryer with spin off filters, automatic slack adjusters. Front wheel limiting valve. Dust covers on front and rear brakes. Anti-Lock 6s/6m. ECU to be mounted in cab.

Cab:	(a) High back air seat with adjustable lumbar and cloth center Panel and armrest. Sears Atlas deluxe series or equivalent. (b) Fixed passenger seat with cloth center panel and under seat storage. (c) Sun Visors, right and left. (d) Dual air horns with snow shields. (Mounted on Drivers side) (e) 6" X 16" West Coast mirrors, (heated, stainless steel). (f) Grab handles. (g) Gauges: ammeter, oil pressure, temperature, tachometer, speedometer (to read in tenths of a mile), and air. Hobbs engine hour meter, oil pressure activated. (h) Engine alarms (light and audio). (i) Tinted glass. (j) AM-FM radio stereo, Bluetooth compatible. (k) Fender mounted turn signals. (l) Cab clearance lights. (m) Tilt hood with fixed grill. (n) Glove compartment or door pouch. (o) Adequate room for hydraulic controls to be mounted inside cab, 20" minimum between rear of cab and rear of motor cover or fire wall. Quiet package, heavy duty insulation. (p) Power windows right and left side. (q) Adjustable steering column. Steering wheel Dia.-18". (r) Air conditioning (s) Intermittent, electric windshield wipers. (t) Cruise Control (u) Suspended brake and fuel pedals
Paint:	Entire unit to be painted "Omaha" orange. Frame to be painted Black.
Electrical:	Minimum 158 amp alternator. 2400 CCA minimum battery capacity, with three batteries. Master Electric disconnect switch mounted near left side of driver's seat.
Wiring:	Heavy duty with circuit breaker protection. Six (6) additional switches mounted in dash-pre-wired, all to have lighted indicators.
Radiator:	Radiator to be sized to allow for crankshaft mounted PTO.

Wheel Base 14' dump body: 230" to be compatible with cab to axle dimensions. 140" CT (cab to trunnion)

Warranty:	Warranties of all various components shall be specified and included in the bid proposal.
Engine Diagnostic Equipment:	Bidder shall supply updates for the engine 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 what type of equipment is existing.
Notes:	Any alternatives to these specifications shall be noted separately at the end of this bid. Bidders are to list all exceptions to the bid requirements. After bids are opened and before award is made, low bidder shall submit a computer printout of unit, showing code numbers and description to ensure truck meets the performance requirements.
MISCELLANEOUS:	The successful bidder is to furnish one (1) per truck parts book including cross reference manual covering all parts not manufactured by the parent company. One (1) Shop service manual, one (1) operator manual, one (1) manual to include the schematics for hydraulic-air-electrical with the stipulation the **5%** of the purchase price will be withheld until the manuals are furnished.
	Bidder requested to offer voluntary options; please describe fully.

BID SHEET

Year, Make Model: _____

GVWR: _____ Engine (Make, Model, HP) _____

Front GAWR: _____ Springs: _____

Rear GAWR: _____ Springs: _____

Transmission (Make, Model): _____

Rear Axle (Make, Model, Gear Ratio): _____

Cab to Axle dim. _____ Wheel Base dim. _____

Options:

Trailer Package: Add $ _____/vehicle

Heated Windshield Add $ _____/vehicle

Voluntary Options:

_____ Add $_____/vehicle

_____ Add $_____/vehicle

Bid Price/vehicle with options. $_____

Bid Price/vehicle without options $_____

Bid firm for: _____days. **Delivery Date**: _____.

_____ _____
Company Name Telephone Number

_____ _____
Address Date

_____ _____
Signature

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