

ROSCOMMON COUNTY ROAD COMMISSION
SPECIFICATIONS
ONE (1) TANDEM AXLE TRUCKS 56,000# GVWR

One (1) Heavy Duty cab and chassis to be utilized as highway maintenance unit equipped with dump bodies and/or aggregate spreaders, snow plows and underbody scrapers. Units to be supplied as cab and chassis's only. Road Commission personnel shall install additional equipment.

General Information: The Tandem Axle trucks capacity shall be a minimum of 56,000 lb. GVWR. Engine specifications shall meet 2010 EPA Emissions, with a minimum of 410 hp @ 1900 RPM, and 1650 lb/ft @ 1100 RPM equipped with an engine brake, clutch fan (not fluid). Transmission to be a 6-speed Allison 4560 RDS w/PTO provisions on left side of transmission, and push button pedestal mounted controls (**no dash mount**). The unit shall have the capability of maintaining a top road speed of 62 MPH at 2,000 RPM fully loaded. Other engines will be considered, if recommended by the bidder to meet power requirements and brand preference.

Additional Requirements:

Fuel Tank: Saddle tanks will be considered only if they have a minimum of 24" of ground clearance with a combined capacity of 100 gallons.

Front Bumper: Delete

Tow Hooks: Front & Rear.

Air Intake: Dual element air cleaner, heavy duty 14" diameter with restrictor gauge. To be an under hood type, capable of providing dry, clean air under all seasonal conditions. Snow valve with in cab controls.

Exhaust: Vertical exhaust with safety shields mounted on the right side of cab. The exhaust pipe must be above the frame

Drive Line: Heavy Duty 1810 Series.

Rear Axle: Minimum 46,000# GVWR Single Speed, Rockwell RT 46-160 with Power Divider and front & rear differential lock switch on dash (4 wheel lock)

Rear Suspension: Tuftrac 46,000# 2-Stage Rear Spring Suspension.

Front Axle: Minimum 18,000# GVWR. Set back axle., Integral power steering

Front Spring: Minimum 18,000# Heavy Duty, at ground as minimum to meet GAWR, heavy duty shock absorbers.

Tires: 12R X 22.5 tubeless 16 ply rating radials. Front tires to be Goodyear G288. Rear tires to be G282 mud and snow design tread, 8.25" radial rims, heavy duty steel wheels, (**Accuride #28828 22.5X8.25 wheels only.**)

- Frame: Resistance bending moment of 3,800,000 with full C double frame straight through, integral front frame extension- 18" minimum from grill forward for the purpose of mounting snowplow. Two (2) front and two (2) rear mounted tow hooks. Frame to extend 4 feet behind last spring hanger.
- Brakes: Full air brakes, S-Cam type. With spring loaded parking brakes, on both rear axles, minimum 18.7 CFM gear driven air compressor, **air dryer (Bendix AD9)**, automatic front wheel limiting valve. Dust covers on front and rear brakes. Tanks to be equipped with cable operated bleeders.
- Cab:
- (a) Bostrom Viking Model high back air seat with cloth center panel and right hand arm rest or equal to.
 - (b) Fixed passenger seat with under seat storage.
 - (c) Sun Visors, right and left.
 - (d) Dual air horns (on top of cab).
 - (e) 6" X 16" West Coast stainless steel mirrors, **(Heated)**.
 - (f) Grab handles.
 - (g) Gauges to be: volt meter, oil pressure, temperature, tachometer, speedometer (to read in tenths of a mile), and air.
 - (h) Engine alarms (light and audio).
 - (i) Cup holders mounted on dash or engine cover.
 - (j) AM-FM stereo radio (spring loaded antenna mounted on driver side).
 - (k) Fender Extensions
 - (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.
 - (p) **Quiet package, Heavy-Duty Cab Insulation (NO BARE METAL)**.
 - (q) Power windows LH & RH.
 - (r) Adjustable steering column. Steering wheel Dia. - 18".
 - (s) Air conditioning.
 - (t) Air ride cab.
 - (u) Cigar lighter.
 - (v) Manually switched rear axle differential lock and power divider.
- Paint: Entire unit to be painted "Omaha" orange. (Including frame).
- Electrical: Minimum 160 amp. Delco 22si alternator with 2280 CCA minimum battery capacity, with three batteries.
- Wiring: Heavy-duty with circuit breaker protection. Also a factory installed heavy-duty rocker switches in dash. (4 switch's for road commission equipment, radio's, tarps, spreader controls, lighting, etc., body builder wiring package). To include a master battery disconnect (inside cab drivers side). Also to be factory pre-wired for Plow Lights.

PTO: Left side of 4560RDS Allison transmission

Cab to Axle: Shall be 136".

Wheel Base: 203" to be compatible with cab to axle dimensions.

Safety Package: Triangles, flares & fire extinguisher w/bracket

Warranties: Allison 4560 RDS must have a 5 year warranty.
Engine must have a 7 year 250,000 mile warranty.

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 insure that the trucks meet the performance requirements.

MISCELLANEOUS: The successful bidder is to furnish one (1) parts book including cross reference manual covering all parts not manufactured by the parent company. One (1) Shop service manual, one (1) operators manuals, one (1) manual to include the schematics for hydraulic-air-electrical with the stipulation that 5% of the purchase price will be withheld until the manuals are furnished.

Submit bids in a sealed envelope that is clearly marked with the words: ‘Tandem Axle Truck Bids’. The Roscommon County Road Commission reserves the right to reject any or all bids, to waive irregularities in the bid, to waive details in the specifications, and to accept the bid deemed to be in the best interest of Roscommon County.

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Road Commissioners

Jackie Bertsch, Chair
R. Bill Ancel, Vice-Chair
Clint L. Stauffer, Member
Kim Akin, Member
Thomas McGinnis, Member

ROSCOMMON COUNTY ROAD COMMISSION
BID SHEET
TANDEM AXLE TRUCK

Year, Make Model: _____

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

Front GVWR: _____ Rear GVWR: _____

Rear Axle (Make, Model, Gear Ratio) _____

Cab to Axle dim. _____ Wheel Base dim. _____

Exceptions to bid specifications: _____

Voluntary Options: _____

BID PRICE \$ _____ **EA** Bid firm for: _____ days.

Delivery Date: _____ Fax Number _____

Company Name Telephone Number

Address Date

Signature

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