

PROPOSAL

TO THE BOARD OF COUNTY ROAD COMMISSIONERS  
COUNTY OF BERRIEN, STATE OF MICHIGAN

Gentlemen:

- 1. This is the proposal of \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

To furnish **Three (3)** tandem axle chassis with cab, with a minimum gross vehicle rating of 66,000 lbs.

- 2. This proposal consists of this printed form, plus such pertinent attached data, which is supplemental hereto, but not in conflict herewith. It is understood and agreed that this proposal will not be accepted unless it is signed in ink, sealed in an envelope conspicuously marked "SEALED BID, TANDEM TRUCKS", and in the possession of the Board of County Road Commissioners by 11:00 a.m. E.D.T. October 22nd 2015.

It is the intent of these specifications to describe truck cab and chassis units in sufficient detail to secure bids on comparable equipment. All parts not specifically mentioned, which are necessary to provide a complete cab and chassis unit, shall be included in the bid and shall conform in strength, workmanship, and quality of material to what is usually provided to the trade in general. The trucks shall be a current model (2016) under standard production by the manufacturer. All specific parts and equipment mentioned in this bid are intended to be compatible in engineering and rating. If there is a problem, the dealer shall bid only those components that are compatible and point this out on the bid sheet.

Any units not conforming to these specifications may be rejected, and it will be the responsibility of the manufacturer to conform with the requirements unless deviations have been specifically cited by the bidder and acceptance made on the basis of the exception.

- 3. It is understood and agreed that the trucks offered by the undersigned are identical production line models of the manufacturer indicated and meet or exceed the following specifications,
- 4. It is further understood and agreed that the Board of County Road Commissioners reserves the right to reject any or all proposals, to waive informalities, and to award the purchase in any manner deemed to be in the best interest of the Berrien County Road Commission.
- 5. In accordance with Title VI of the Civil Rights Act of 1964, no person in the United States shall, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity.
- 6. In submitting this proposal, the undersigned declares that the only person or parties interested in the proposal as principals are those named herein, and that the proposal is made without collusion with any other person or firm.
- 7. It is recommended that prior to bidding any questions arising from these specifications be thoroughly researched with the BCRC Superintendent, Don Geisler (269) 925-1196 ext. 4405.

**Schedule of Prices**

The above trucks offered shall be:

Manufactured by: \_\_\_\_\_ Year \_\_\_\_\_

Make \_\_\_\_\_ Model No. \_\_\_\_\_

Unit delivered Price: \$ \_\_\_\_\_ 3 Trucks Total Price \$ \_\_\_\_\_

Please attach all warranty information.

Delivery \_\_\_\_\_ days from bid acceptance.

**Please answer yes or no in right hand column. Include price or dimensions when possible/applicable. Price should include 1 service manual and 1 parts manual in both hard copy and CD format.**

**Class 8 truck platform preferred**

**ENGINE:**

- Minimum Electronically controlled-12 liter diesel \_\_\_\_\_
- 6 cylinder in line \_\_\_\_\_
- 4 cycle, high torque \_\_\_\_\_
- Minimum 425 horsepower \_\_\_\_\_
- Minimum torque 1650 ft. lbs. \_\_\_\_\_
- List factory warranty \_\_\_\_\_
- Engine And After treatment to have 5 yr/100,00 mile Warranty \_\_\_\_\_

- List engine brake cost as option \_\_\_\_\_

**EQUIPPED WITH: COOLANT SYSTEM**

- Shall incorporate a heavy duty, petcock drain radiator having a minimum 1300 sq. in. frontal area. (Capacity) \_\_\_\_\_  
The system shall have a large capacity and be capable of withstanding excessive work loads in adverse temperatures, adequate for engines up to 425 H.P. ratings. \_\_\_\_\_
- Extended life anti-freeze winterized to -20 F. \_\_\_\_\_
- Stainless steel constant torque clamps. \_\_\_\_\_
- Radiator bug screen. \_\_\_\_\_
- Shall be provided with crankshaft flange and clearance for under the radiator, front mounted Spicer 1310 Series PTO. \_\_\_\_\_
- Fan Drive Clutch-electric modulating 2 speed with dash-mounted manual override switch. \_\_\_\_\_
- Minimum 18.7 CFM air compressor \_\_\_\_\_
- Electric Block Pre-heater \_\_\_\_\_
- Manual fuel primer pump \_\_\_\_\_
- Dry element type air cleaner, with outside air intake system for summer, inside hood intake for winter. \_\_\_\_\_
- Magnetic drain plug \_\_\_\_\_
- Coolant water filter \_\_\_\_\_
- Exhaust to be mounted behind cab, all components above frame \_\_\_\_\_

**TRANSMISSION & DRIVELINE: CONSTRUCTION GRADE**

**Allison Automatic, model 4500 RDS**

- Recommended rear axle ratio 5.25 \_\_\_\_\_
- Transmission cooler \_\_\_\_\_
- T-Handle shifter or equivalent and location \_\_\_\_\_
- List factory warranty \_\_\_\_\_
- Warranty Allison 5yr/ unlimited \_\_\_\_\_
- Trans ECM to be located in the cab and programmed for snow plowing \_\_\_\_\_

**CHASSIS**

- 217" wheel base or appropriate \_\_\_\_\_
- Set back front axle \_\_\_\_\_
- Back-up alarm \_\_\_\_\_
- Approximately 72" from center of the steer axle to the back of cab \_\_\_\_\_
- Approximately 132" from back of cab to center of the rear axles \_\_\_\_\_
- Extend rearward 70" from center of tandem overhang \_\_\_\_\_
- Extend 20" in front of radiator \_\_\_\_\_
- Air tanks with pull cord drains \_\_\_\_\_

**The road commission desires to work with the successful bidder to reduce these lengths as much as possible to increase our front axle loading, while accommodating the 24" under clearance needed for the underbody scraper. Truck MUST have a minimum of 75" in width of clear space directly behind the cab to facilitate fuel and hydraulic tank mounting of body builder, or manufacturer must make other accommodations for OEM fuel and hydraulic tanks while accommodating 24" required clearance of the underbody scraper.**

**FRAME**

1/2" single full length Hi tensile steel frame adequate for the Section Modulus \_\_\_\_\_  
GVW and type work this unit will be exposed to. RBM \_\_\_\_\_

- List additional cost and ratings for double frame option

Strength (PSI) \_\_\_\_\_  
 Cost \_\_\_\_\_  
 Section Modulus \_\_\_\_\_  
 RBM \_\_\_\_\_  
 Strength (PSI) \_\_\_\_\_

**AXLES**

**Front:**

- Heavy duty set back
- Rated capacity of front axle, minimum 20,000 lbs., including 20,000 lb. springs with heavy duty shocks
- Factory front axle alignment

Make: \_\_\_\_\_  
 Model: \_\_\_\_\_  
 Capacity: \_\_\_\_\_  
 \_\_\_\_\_

**Rear:**

- Rated capacity of rear axle, minimum 46,000 lbs.
- Single reduction, with lube oil pump.
- Driver controlled differential lock forward drive axle & rear drive axle.
- Driver warning light when Diff. lock is engaged
- Diff. Lock auto disengage option
- 54" axle spacing
- Main and Inter-axle driveline 1810 HD Series or equivalent with center bearing
- Magnetic oil drain plugs
- Factory rear axle alignment

Make: \_\_\_\_\_  
 Model: \_\_\_\_\_  
 Capacity: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\*Include literature describing specification of axles, diff. Lock options & warranty

**REAR SUPENSION**

- 46,000 lbs. heavy duty Air Ride (air trac or Neway ADZ 246 preferred)
- 4 heavy duty shocks
- Dash mounted load gage
- Dash mounted dump valve and indicator light
- Transverse control rods

Make: \_\_\_\_\_  
 Model: \_\_\_\_\_  
 Capacity: \_\_\_\_\_

**BRAKES:**

- Front – 16.5" X 7", S Cam with dust shields
- Rear – 16.5" X 7", S Cam with dust shields
- Bendix type AD-9 air dryer with heater.
- Dual air brake system, with A.B.S.
- Piggyback park brake, type 30/30 chambers both rear axles
- Trailer connections to rear of frame for air brakes, with hand control valve and tractor protection valve. Shall have 7 way electrical connection for trailer lights.
- Haldex auto slack adjusters.

Make: \_\_\_\_\_  
 Model: \_\_\_\_\_  
 Dimensions: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**STEERING:**

- Power steering
- Preferable dual Sheppard 100 or comparable
- Grease zerts on tie rod ends, king pins & drag link

Make: \_\_\_\_\_  
 Model: \_\_\_\_\_  
 \_\_\_\_\_

**BUMPER:**

To be furnished and installed by body fabricator.

**CAB:**

- Premium all weather full size cab (aluminum preferred)

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- with no exposed interior sheet metal, air ride mounted to frame with shock system. (Interior color gray)
- Exterior cab sun visor
- Passenger cab door with peep window
- Air ride seat for driver with lumbar support adjustment, head & arm rest, regular seat for passenger
- Steering column shall have tilt telescopic w/max of 18" steering wheel
- Turn signal switch self canceling
- Highway hazard switch
- Electric windshield wipers, intermittent control
- Electric windshield washers
- Dual air horns, roof mounted with weather covers
- Electric horn
- Cab steps, right and left hand side
- Cab grab handles, both sides as necessary for safe and easy cab access
- Tilting hood and fenders. Must be type that can be opened with snow plow hitch installed on truck
- Inner fender mud shields
- Front fender extensions
- Heavy-duty heater, defroster and air conditioning
- Smartsound cab insulation package, or equivalent
- Power windows and power locks both doors.
- Two adjustable breakaway heated west coast style exterior mirrors, with left and right side 8" heated convex mirrors
- Two cup holders
- Seat belts, **orange** lap and shoulder with cab mounted shoulder belt and adjustable D-ring
- Windshield glass safety tinted (2 piece flat preferred)
- Door glass safety tinted
- Sun visors: Driver and passenger sides
- Ignition keyed random- 3 keys required
- AM/FM radio, weather band and bluetooth
- Radio antenna, cab mounted

**CAB Cont'd.**

- 2- 12V auxiliary power outlets
- CB radio mounting reinforcement in header console
- Overhead storage, 2 compartments with net retainers storage pouch in door panels
- Gauges- voltmeter, water temperature, oil pressure, oil temperature, exhaust pyrometer, transmission oil temperature, manifold pressure, air pressure, tachometer, speedometer with trip odometer, and hour meter, fuel
- Snowplow light switch and wiring harness to front of hood
- Provide (6) miscellaneous 12v in dash switches- (2) 15 amp ignition, (1) 20 amp ignition, (1) 10 amp ignition, (1) 15 amp battery, (1) 20 amp battery
- 2 overhead interior lights

- Cab mounted dual SS beacon strobe pads w. wiring
- Halogen headlights
- Clearance lights (5) roof mounted

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\*Exterior lighting to meet DOT and I.C.C. standards, LED type where possible

**PAINT:**

- Cab exterior paint will be viper red
- Cab, urethane base coat with clear coat
- Chassis running gear, black

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**ELECTRICAL:**

- Battery box preferred location is under the passenger seat with jumper post located on the frame. Battery cables must be a minimum of 00 wire and continuous with no splices from the battery box to the starter. Must be equipped with a battery shut off switch
- 3 Optima DT31T 900 CCA 12 volt batteries
- Battery shock pad
- Minimum 130 amp brushless alternator
- All circuit breakers, in lieu of fuses

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**WHEELS:**

- Front: 12.25 X 22.5 Steel
- 10 hole, hub piloted.
- Rear: 8.25 X 22.5 Steel
- 10 hole, hub piloted.

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**TIRES:**

- Front – 385/65 R X 22.5 Tubeless Radial Ply/load range
- Rear - 11R X 22.5 Tubeless Radial Ply/load range

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**EXHAUST:**

- Exhaust to provide 24" ground clearance

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**MISCELLANEOUS:**

- BCRC would prefer dealer sponsored warranty for minor repairs.