

**DEKALB COUNTY HIGHWAY DEPARTMENT**

**CAB & CHASSIS SPECIFICATIONS**

Sealed proposal for the purchase of one (1) new tandem axle truck with cab & chassis as specified will be received by the Highway Committee of the DeKalb County Board until 10:00AM, Wednesday, February 1<sup>st</sup> 2017 at the DeKalb County Highway Department, 1826 Barber Greene Road, DeKalb, Illinois and at that time publicly opened and read.

The County reserves the right to reject any and all bid and to waive any technicalities.

The bid shall not include taxes for which we are exempt.

One (1) 2006 Sterling M8500 will be traded in. The trade-in may be inspected at the County Highway Department by appointment @ (815) 756-9513.

Bid price (1) new cab & chassis specified \_\_\_\_\_

Trade allowance one (1) 2006 Sterling M8500 \_\_\_\_\_

Net cost (1) new Cab & Chassis as specified \_\_\_\_\_

Proposal submitted by:

Name \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Signature \_\_\_\_\_

## **CAB & CHASSIS SPECIFICATIONS**

SPECIFICATIONS - 207" wheelbase minimum, **back of cab to center of tandem must be 138"**, center of tandem to back of frame 60" minimum.

G.V.W.R. - 60,000 pounds

GENERAL – This vehicle shall be capable of accommodating a front mounted 12’ snowplow, 11’ under body scraper, and a 14’ dump body with a replacement tailgate spreader.

ENGINE - Diesel-330HP **minimum** net, 1000 LB-FT Peak Torque **minimum**. **Shall be four cycle in line six cylinders, Cummins ISL9-330** with coolant filter. Engine shall have 1310 series crankshaft pulley adaptor for front mounted pump. Factory installed below radiator. **No hole in radiator**. Engine air cleaner with inner and outer elements.

TRANSMISSION - Allison 3000 Model, with synthetic oil, **six speed NO EXCEPTION**. “T” shift handle control with oil level display mode. Shift control parameters: performance in primary and economy in secondary. **NO TRANSMISSION MOUNTED OIL COOLER**. Dipstick/Fill tube must be serviceable from under hood. If push button control must have parking brake applied auto neutral.

FRONT AXLE - I beam type, 20,000-pound capacity, set back design, front shock absorbers. 22,000- Pound capacity, spring parabolic, taper leaf, with rubber bushing spring pins. Power steering, air brakes, front cam 16.5" x 6", “Q Plus” brake shoes, type 24 front air chambers, automatic slack adjusters-**Haldex**. Oil filled wheel hubs. Rubber mud flap on outside of fenders, and mud flaps located behind front wheel, of the largest coverage dimension available from factory. Inner fender flaps, of largest coverage dimension available from factory. Cast iron hubs.

REAR AXLES - Tandem single reduction. Hendrickson HMX-460, 54" axel spacing. Rubber torque arm bushings, **shock absorbers**, 40,000-pound capacity, Meritor MT-40-14X 6.83 ratio standard track. Driver controlled power divider lock, and **both** differential locks, with indicator lights. Magnetic traps. Desired top speed of 60 MPH. Automatic slack adjusters-**Haldex**. Type 30/30 **Haldex “Life Seal”** spring brake chambers on both axles. Rear cam 16.5” x 7”, “Q Plus” brake shoes. Cast iron hubs.

AIR BRAKE SYSTEM - Air brake system for 6x4 truck plus antiskid brakes. Dust shields on all wheels. Minimum of 18.7 cu. ft. Compressor and heated air dryer (Bendix AD-IP or SP) in standard location. **Auto moisture ejectors on all air tanks. Additional air lines to be routed to rear of frame with glad hands and dust covers provided for trailer brakes**. Control lever for the trailer shall be mounted in cab convenient to driver.

RIMS - Front shall be 22.5 x 9.00  
Rear shall be 22.5 x 8.25  
(Hub piloted, White powder coat **NO EXCEPTION**)

TIRES- Front: 315/80 R.22.5 20 ply radial  
Rear: 11R22.5 16 ply radial mud & snow tread  
Front: Bridgestone M860A @ Load Range (L) (10,000 lb. Min.)  
Rear: Bridgestone M799 @ Load Range (H)

FRAME- Heavy Duty - high tensile strength 120,000 psi yield **Full "C: Channel** RBM 2,568,000 minimum. Frame must be **Single thickest** available. Integral front **Full "C: Channel** frame extension 24-inch minimum for front mounted PTO. Center of tandem to back of frame 60" minimum. **FRAME LINERS, WRAPPERS, FISHPLATING, AND BOLT-ON EXTENSIONS ARE NOT ACCEPTABLE.**

**FRAME NOTE: THERE SHALL BE A MINIMUM OF 24" OF GROUND CLEARANCE UNDER FRAME FOR BOTTOM SCRAPER MOUNTING. (NO FRAME COMPONENTS SHALL EXTEND BELOW CHASSIS FRAME RAIL; HIGH GROUND CLEARANCE FOR UNDER BODY SCRAPER INSTALLATION.)**

STEERING - Full power hydraulic; No air assist

ELECTRICAL SYSTEM - Heavy-duty 12-volt system with 160-amp alternator. Three maintenance free batteries 1950 cold cranking amperes total. Circuit breakers with I.L.O. fuses. Batteries mounted in single, **fully enclosed aluminum box**, located on passenger's side just in front of tandem axles.

RADIO - AM-FM radio package with Blue Tooth for cell phones. With cowl or roof mounted Antenna.

CAB – All aluminum custom cab with a composite hood; interior gray in color, 52" minimum height inside cab, interior and external grab handles both sides of cab, interior noise abatement with no bare metal exposed, tinted glass all windows, tilt and steering wheel. Cab mounting shall have a shock absorbing suspension attaching it to the frame. Air ride. Two speed heavy-duty electric windshield wipers, top mounted if available with intermittent and washer controls. Centrally located dome light, door operated and with manual switch. Electric windows. Right hand door curb window. Driver and passenger interior sun visor. Cigarette lighter and/or power supply unit for cellular phone. Air horn with cover top cab mounted. Cruise Control. Self-Cancelling Turn signal switch.

SEATS - Driver seat to be Bostrum 915 High-back air, Lumbar air, and 2 adjustable arm rests. Single passenger seat to be fixed base companion style seat.

MIRRORS - 2 - West Coasters style 16" x 7" mirrors and 2 - 8" round spot mirrors, all heated, Fully Adjustable and made of stainless steel, with stainless mounting hardware. 102" Equipment width. Cab look down mirror on right hand side.

HEATER - Heavy-duty fresh air type with defroster. Manual control for inside/outside air, or recirculation switch. Shut off valves on heater hoses.

#### AIR CONDITIONING

FUEL TANK - 1 – 90 to 100 gallon fuel tank of the **shortest length**, side-mounted on driver's side under door with steps, with stainless steel mounting straps. 6 gallon DEF tank side-mounted to frame behind fuel tank on driver's side.

RADIATOR - Heavy duty cooling with draincock. Coolant hoses shall be silicon with stainless steel constant torque hose clamps. All metal tubes shall be stainless steel. Antifreeze to be guaranteed to a negative 34 degrees Fahrenheit.

HOOD - Fiberglass tilt hood with service access hatches. **All fluids must be serviceable through access hatches.** Stationary grill with radiator protection. External noise abatement shields under hood. Air cleaner with side cowl or hood intake (left hand preferred). Hood mounted spot mirrors both sides, stainless steel.

GAUGES - All original equipment gauges, warning lights and tachometer and hour meter mounted in dash. Air filter restrictor gauge mounted in cab.

FILTERS – One complete set of filters for truck. (oil,air,water,fuel,cab-air,trans,steering,etc.)

EXHAUST SYSTEM –Right hand side Horizontal muffler and vertical stack with bright finish, turn out.

PAINT - Base coat/clear coat N0824HN Yellow Imron 5000 or NAV 4014 Sun Yellow.

HOOKS - 2 tow hooks on rear that match GVWR of 60,000 pounds.

DIRECTIONAL ALARM SYSTEM - Reverse directional warning alarm.

**Must provide a detailed order summary sheet with submitted bid.**

DELIVERY DATE - 120 days from formal placement of order.

FACTORY OPTIONS - Options as specified by the County and quoted as available by successful bidder but no longer available to the successful bidder will be the responsibility of that bidder to install through approved sources prior to delivery to the County's destination at no additional cost to the County.

**INSPECTION:**

DEKALB COUNTY RESERVES THE RIGHT TO INSPECT THE GOODS/EQUIPMENT AFTER DELIVERY TO DETERMINE WHETHER THE GOODS/EQUIPMENT MEET CONTRACT SPECIFICATIONS. VENDOR HAS THIRTY (30) DAYS FROM DELIVERY TO BRING GOODS/EQUIPMENT UP TO CONTRACT SPECIFICATIONS.

**OPTION:**

1. REJECT THE GOODS/EQUIPMENT AND RETURN IT TO THE VENDOR AT VENDORS' EXPENSE, AT WHICH TIME THE COUNTY'S OBLIGATIONS TO THE VENDOR AS TO THE REJECTED GOODS SHALL BECOME NULL AND VOID.

2. REQUEST THE VENDOR TO CONFORM THE GOODS/EQUIPMENT TO CONTRACT SPECIFICATIONS. THIS WORK SHALL BE PERFORMED PROPERLY WITHIN TIME LIMITS ESTABLISHED BY DEKALB COUNTY AND AT NO COST TO DEKALB COUNTY.

3. HOLD BACK FROM ANY MONIES DUE THE CONTRACTOR, THE REASONABLE VALUE OF THE REJECTED MATERIAL, REPLACEMENT PARTS, WORKMANSHIP, OR SERVICES, BASED UPON THE CONTRACT PRICE.

**WARRANTY:**

UNLESS OTHERWISE STATED, EQUIPMENT AND WORKMANSHIP SHALL BE SUBJECT TO, AT A MINIMUM, THE MANUFACTURER'S OR SUPPLIER'S STANDARD WRITTEN WARRANTY AGAINST DEFECTIVE PARTS AND WORKMANSHIP. PROVIDE A DETAILED LIST OF EACH WARRANTY. THE MANUFACTURER'S WARRANTY SHALL BECOME EFFECTIVE ON THE DAY THAT THE NEW EQUIPMENT IS ACTUALLY PUT INTO SERVICE BY DEKALB COUNTY.

**PARTS AND SERVICE INFORMATION/TRAINING:**

THE VENDOR SHALL PROVIDE ACCESS TO A WINDOWS BASED PARTS AND SERVICE WEBSITE COVERING ENGINE, TRANSMISSION, AND ALL CHASSIS COMPONENTS. THE WEBSITE AND CD'S ABOVE SHALL CONTAIN ALL INFORMATION REGARDING PARTS AND SERVICE FOR ALL COMPONENTS SUPPLIED. SERVICE INFORMATION SHALL INCLUDE BUT NOT BE LIMITED TO REPAIR INSTRUCTIONS FOR THE ENTIRE UNIT SUPPLIED, INCLUDING ALL COMPONENTS OR OPTIONS SUPPLIED. SERVICE INFORMATION SHALL INCLUDE SUCH ITEMS AS WIRING SCHEMATICS, AND DETAILED PREVENTIVE MAINTENANCE INFORMATION SHALL BE SUPPLIED FOR EACH ITEM SUPPLIED BY THE SUCCESSFUL BIDDER, THIS INFORMATION SHALL INCLUDE ANY OR ALL COMPONENTS OR OPTIONS STATED IN THIS CONTRACT. A VEHICLE OPERATORS MANUAL COVERING THE CHASSIS EQUIPMENT SHALL BE INCLUDED WITH EACH VEHICLE.

**TRAINING:**

THE SUCCESSFUL VENDOR MUST PROVIDE, AT NO EXTRA COST TO DEKALB COUNTY, TRAINING SESSIONS FOR DEKALB COUNTY MECHANICS. THIS TRAINING SHALL CONSIST OF CLASSES CONCERNING ANY MAINTENANCE AND REPAIRS.

**TRADE IN UNIT WILL NOT BE AVAILABLE UNTIL FRAME AND DUMP BODY  
INSTALLATION IS COMPLETED AND DELIVERED.**

OPTIONS (If available) quote additional costs to provide:

Heated Windshield, with 185 Amps. Alternator.

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Suspended Brake and Accelerator Pedals

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**ENGINE WARRANTY:**

Minimum – 60 month or 100,000 mile

Note: Warranty to be dealer registered, detailed warranty coverage list and proof of warranty registration must be provided at time of vehicle delivery. Warranty to begin upon date of delivery and acceptance by the DeKalb County Highway Department.

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**TRANSMISSION WARRANTY:**

Minimum – 5 year unlimited mile extended warranty

Note: Warranty to be dealer registered, detailed warranty coverage list and proof of warranty registration must be provided at time of vehicle delivery. Warranty to begin upon date of delivery and acceptance by the DeKalb County Highway Department.

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PLEASE PROVIDE ALL OTHER AVAILABLE EXTENDED WARRANTIES WITH  
DETAILED COVERAGE LIST & COST.

**PLEASE LIST ALL EXCEPTONS TO BID BELOW:**