

DEKALB COUNTY HIGHWAY DEPARTMENT

CAB & CHASSIS SPECIFICATIONS

Sealed proposals for the purchase of one new tandem axle truck cab & chassis of current model year as specified, will be received by the Highway Committee of the DeKalb County Board until 9:00 AM, Wednesday, January 4, 2023 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 bids and to waive any technicalities.

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

Any and all surcharges shall be included in the TOTAL BID PRICE. At the time of delivery, appropriate documentation from the manufacturer will be required providing the amount of the surcharge. The lower of the manufacturer's surcharge amount or the (NOT TO EXCEED) TOTAL SURCHARGE AMOUNT listed on the bid will be paid.

(NOT TO EXCEED) TOTAL SURCHARGE AMOUNT \$ _____

BID PRICE FOR NEW CAB & CHASSIS SPECIFIED \$ _____

TOTAL BID PRICE FOR NEW CAB &
CHASSIS SPECIFIED PLUS SURCHARGE AMOUNT \$ _____

Proposal submitted by:

Name _____

Address _____

Signature _____

A configuration drawing will need to be agreed upon with the body builder to make sure components of the truck are located in a manner that does not interfere with installation of equipment. This includes: Fuel Tank, Air Tanks, Air Dryer, Fuel/Water Separator, ETC.

CAB & CHASSIS SPECIFICATIONS

SPECIFICATIONS - 180" wheelbase minimum, **back of cab to center of tandem must be 115"**, center of tandem to back of frame 63" minimum.

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

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 air cleaner with inner and outer elements. Fuel filter shall be easily accessible **and** shall be mounted on the exterior of frame rail.

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 and **mounted to the passenger side (right side) of the transmission to allow room for PTO on driver's side (left side)**.
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, 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-400, 54" axle 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, **ALCOA DURABRITE ALUMINUM RIMS**)

TIRES- Front: 315/80 R.22.5 20 ply radial
Rear: 11R22.5 16 ply radial mud & snow tread
Front: Firestone FS 820 @ 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 **PLOW and WING**. Center of tandem to back of frame 63" minimum. **FRAME LINERS, WRAPPERS, FISHPLATING, AND BOLT-ON EXTENSIONS ARE NOT ACCEPTABLE. Frame shall be coated with an anti-corrosion treatment to extend the life of the frame rail.**

STEERING - Full power hydraulic; No air assist

ELECTRICAL SYSTEM - Heavy-duty 12-volt system with 200-amp alternator. **Three maintenance free Interstate Batteries; Group #31- MHD with 950 (CCA @ 32 Degrees Fahrenheit) Cold Cranking Amperes per battery, for a total of 2850 (CCA).** Circuit breakers with I.L.O. fuses. Batteries mounted in single, **fully enclosed**, 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 cab with a composite hood. **If available, preference would be for a 2-piece factory split windshield.** 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. Cab shall be 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. **If available, a minimum of 4 dash mounted factory switches to be used for future lighting installation. Factory installed roof mounted strobe brackets shall be included.**

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

MIRRORS - 2 - West Coaster 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 – Truck shall be equipped with 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 - Composite tilt hood. 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.

A configuration drawing will need to be agreed upon with the body builder to make sure components of the truck are located in a manner that does not interfere with installation of equipment. This includes: Fuel Tank, Air Tanks, Air Dryer, Fuel/Water Separator, ETC.

ENGINE WARRANTY:

Minimum – 5 Year 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.

AFTER TREATMENT WARRANTY:

Minimum – 5 Year or 100,000 mile

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

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.

ANTICIPATED DATE OF DELIVERY (# OF DAYS)
FROM PLACEMENT OF ORDER

PLEASE PROVIDE ALL OTHER AVAILABLE EXTENDED WARRANTIES WITH DETAILED COVERAGE LIST & COST. USE BACK OF PAGE IF NECESSARY.

Reminder: Authorization Form must be faxed or emailed at least 48 hours prior to the bid opening in order for your bid to be considered.