

## NOTICE

The Menard County Highway Department will accept sealed bids for a tandem axle dump truck (cab & chassis) along with a 15-foot dump bed, snowplow, hitch, tailgate spreader and related equipment. All items bid must be considered "new" and of the current production model year. Dealer conversions or low mileage "used" vehicles and refurbished, or reconstruction mountings, equipment and attachments will not be considered. Bid documents may be obtained at the Menard County Highway Department office, 15620 Chautauqua Road, Petersburg IL 62675. A public bid opening will be hold on Friday, September 3, 2021, at 10:00 a.m. at the Menard County Highway Department office (217-632-2722). The right is reserved to reject any or all bids and to waive all technicalities deemed in the best interest of the County.

Bid Specifications  
2021 Tandem Axle Truck

To: Menard County Highway Department

I, \_\_\_\_\_, representing the firm of  
\_\_\_\_\_, wish to submit the following bid:

Manufacturer: \_\_\_\_\_

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

Bid Price: \$ \_\_\_\_\_

Bid Option 1:  
Henderson Expressway Plow \$ \_\_\_\_\_

Bid Option 2:  
Flink HD-8 Replacement Tailgate Spreader \$ \_\_\_\_\_

The bid price of \$ \_\_\_\_\_ was accepted and approved by the  
Menard County Highway Department through it's County Board of Commissioner's on  
\_\_\_\_\_.

By: \_\_\_\_\_, Chairman



## **NEW TANDEM AXLE TRUCK SPECIFICATIONS**

Proposals shall be submitted on forms supplied by the Menard County Highway Department and addressed to the department at 15620 Chautauqua Road Petersburg, IL by 10:00 a.m. on September 3, 2021.

The Proposal envelope shall be clearly marked "Truck Proposal".

Questions concerning these specifications should be directed to Corey Dowd at (217) 632-2722 or by email [menardhwy1@sbcglobal.net](mailto:menardhwy1@sbcglobal.net).

Proposals received after 10:00 a.m. September 3, 2021 will be rejected and returned unopened.

Proposals will be evaluated by the County Engineer, the Administrative Technician, and the Highway Maintainers of Menard County. Their recommendation will be presented at the Board of the Commissioner of the County of Menard, Illinois meeting on Tuesday, September 14, 2021 for final approval.

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### **THIS PROPOSAL AND SPECIFICATION COVERS THE PURCHASE OF 1 COMPLETE TRUCK WITH BED, PLOW AND ACCESSORIES AS NOTED:**

- Tandem axle truck (cab & chassis) suitable for use with a 15-foot dump bed, snow plow and related equipment;
- 15-foot stainless steel dump bed;
- Snow Plow and Plow Hitch

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### **THE MENARD COUNTY HIGHWAY DEPARTMENT IS SPECIFYING FOR ACCEPTABLE UNITS AS OUTLINED HERE:**

#### **PROPOSAL SUBMITTERS MUST SUBMIT:**

- The model specifications for their proposed equipment meeting or exceeding specifications.
- Parts and service information for the truck and all proposed equipment and attachments.
- Warranty information for the truck and equipment. Engine/emissions/transmission must have a minimum 7 year/150,000-mile warranty.

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The Menard County Highway Department reserves the right to reject any or all proposals, and waive technicalities deemed in the best interests of the County. The County is not bound to accept the lowest bid submitted. If in the County's opinion the lowest bid is not the best bid of value received for money expended, the right is reserved to make awards in the best interest of the County as determined solely by the judgment of the County. In making awards, intangible factors such as the manufacturers' and suppliers' reputations, past performance, references, access of service, and parts availability will be weighed.

The truck cab and chassis, mountings, equipment, and attachments proposed must be new and of current production year. Dealer conversions or low mileage "used" vehicles and refurbished or, reconstructed mountings, equipment and attachments will not be considered.

The intent of these specifications is to provide the County with the truck cab and chassis, mountings, equipment, and attachments called out in the specifications. Any items appearing in the manufacturers regular published specifications are assumed to be included in the Proposal. Any additions, deletions, or variations from these published specifications must be outlined in the space provided. Failure to provide all necessary documentation of modifications to manufacturers published specifications at the time that the proposals are accepted may cause the proposal to be rejected.

The County reserves the right to make any desired change to the specifications after truck purchase has been put under contract, with the change and price of said change to be added or deducted from the bid contract price. All changes are to be agreed upon in writing between the County and the successful bidder before such changes become effective.

All prospective bidders must provide a build-sheet with their respective bids. All additions and/or changes in comparison to the County's specifications should be noted. Any changes or additions must meet or exceed what is originally outlined in these specifications for the truck cab and chassis, mountings, equipment, and attachments proposed.

Proposed date of delivery shall be included with all proposals, as well.

## **INSPECTION**

The County reserves the right to inspect the truck after delivery to determine whether the truck cab and chassis and/or installed mountings, equipment, and attachments meet the contract specifications. If, within thirty (30) days of delivery, the County determines that the truck cab and chassis and/or mountings, equipment and attachments do not meet the above specifications, the County may, at its sole option:

- 1) Reject the truck cab and chassis complete with mountings, equipment, and attachments and return it to the dealer at the dealer's expense, at which time the County's obligations to the dealer as to the truck cab and chassis and mountings, equipment and attachments shall become null and void.
- 2) Request the dealer to conform the truck, cab, and chassis to the above specifications. This work shall be performed properly within the time limits established by the County and at no cost to the County.
- 3) Request the dealer to conform the mountings, equipment, and attachments to the above specifications. This work shall be performed properly within the time limits established by the County and at no cost to the County.
- 4) Hold back the reasonable value of the rejected item, replacement parts, workmanship, or services, based upon contract price due the dealer(s).

If after delivery, the County discovers that the truck cab and chassis or installed mountings, equipment and attachments do not meet the specifications, the County may, within one year of the date the non-conforming component or part therein was delivered to the County, request the respective dealer replace the non-conforming component or part with components or parts that conform to the

specifications, at no charge to the County. This provision applies to non-conformities discovered while repairing or maintaining the truck cab and chassis or mountings, equipment and attachments and which would not be visible through routine inspection.

The County shall be notified of delivery at least one day in advance. Delivery of the complete truck (after all installations) shall be between 7 a.m. and 3:00 p.m. Monday through Friday to:

**Menard County Highway Department**

**15620 Chautauqua Road**

**Petersburg, IL 62675**

***TRUCK (CAB & CHASSIS) SEPCIFICATIONS***

- Tandem axle truck (cab and chassis) with a minimum 56,000 GVW (61,000 GVW maximum) for use with a 15-foot dump bed, snow plow, and other related attachment equipment.
- Wheelbase – Cab to center of tandems 120 inch minimum, 140 inch maximum.
- Color – Red; Frame/Chassis shall be painted Grey.

***CAB***

- Conventional cab mounted on air ride suspension.
- Tilt hood and fixed grille to accommodate snow plow hitch.
- High output heater, air conditioner, defroster.
- Multi-speed intermittent wipers.
- Left and right power windows and door locks
- Electronic cruise control
- Full air suspension driver's seat (high back)
- Standard high back passenger seat
- AM/FM stereo with weather band radio, handsfree interface, Bluetooth, and appropriate antennae
- 4-way & heated mirrors (left and right sides)
- Right and left grab handles
- Dual padded sun visors, tinted windshield, heated windshield
- Direct reading gauges including but not limited to tachometer, engine oil pressure, water temperature, volt meter, air pressure, fuel level, air restriction monitor, engine exhaust, temperature, engine hour meter
- Dome light, cab marker lights, and directional signals with traffic hazard switch meeting State and Federal regulations
- Factory plow light switch in dash with a wiring harness to front of hood and be able to be used with factory dimmer switch for high/low plow lights
- 6 Bodybuilder dash switches (easily accessed by driver without stretching to reach)
- Bodybuilder harness at rear of cab
- Armrest doors
- Roof mounted air horn

- Tilt and telescoping steering wheel
- Fender extensions
- Cab roof shall have O.E.M. stainless steel beacon/light bar mounting brackets on each side of roof for after-market light bar/plow light installation

#### ***ENGINE***

- 450 horsepower (minimum) diesel engine at 1,500 to 1,900 RPM and 1,550 lb. ft. torque at 1,300 RPM
- Large capacity radiator and viscous fan, antifreeze to -40 degrees F.
- Magnetic drain plugs
- PTO crankshaft adapter for use on the front-mounted hydraulic pump for snow plow
- Single dry element air filter with inside/outside air intake with in-cab control
- Fuel-water separator system
- Water filter cooling system
- Cab mounted engine hour meter (if not included in on-board gauges)
- Block heater
- 12V alternator, 120 Amp (minimum) brushless
- 12V starter. No Mitsubishi starters will be accepted
- Engine must meet current EPA emissions regulations
- Vertical stack exhaust with stainless heat shield and turn out

#### ***TRANSMISSION***

- Automatic transmission (Allison 4500 or newest model)
- Internal Transmission oil cooler

#### ***BATTERIES***

- Three (3) 900 CCA (minimum) at 0 degrees F, threaded stud
- Battery box will be located under passenger's seat

#### ***FRONT AXLE***

- Minimum 18,000 lb. capacity with comparable capacity springs
- Heavy duty front shocks
- Power steering with slider type steering column
- Air cam type brakes with automatic slack adjusters
- Dust shields on all brakes

#### ***FRONT TIRES AND WHEELS***

- 315/80R22.5 L, 20 ply, tubeless radials
- Aluminum wheels, 10-hole hub piloted, 22.5 x 9.00 hubs

### **REAR TANDEM AXLE**

- 40,000 lb. rear axles
- 40,000 lb. capacity suspension system, multi-leaf system
- Driver controlled inter-wheel differential lock both rear axles, manual air valve with warning light plus power differential
- Rear gear ratio to be determined at time or order
- Air Cam type brakes with automatic slack adjusters
- Dust shields on all brakes

### **REAR TIRES & WHEELS**

- 11Rx 22.5 G, 14 ply tubeless radials (open-road tread)
- Aluminum wheels, 10-hole hub piloted, 22.5 x 8.25 hubs
- Automatic chains

### **BRAKES**

- Full air cam type with minimum 13.2 cfm compressor
- Heated air dryer
- Parking brake

### **FRAME**

- Minimum RBM 2,800,000 in lbs. per rail
- 2-Front mounted tow hooks
- Pintle hitch, detachable design for use with chipper
- Single 100-gallon (minimum) aluminum fuel tank or comparable, left side mounted
- Single 6-gallon (minimum) diesel exhaust fluid tank, left side mounted
- 20" (minimum) frame extension for snow plow mount continuous with parent rail (no welded extensions)
- O.E.M. tail lights
- Clean frame from back of cab to end of frame

### **BODY, EQUIPMENT AND ATTACHMENTS SPECIFICATIONS**

- Installed Truck Body (grade of Stainless steel listed below is the minimum allowed)
- 15' Stainless steel truck bed with stainless steel spill shoot
- Exterior and Interior bed steps, 201 Stainless Steel
- Air end gate
- 36" sides, 44" gate, 60" head
- 80" inside width, front and at gate (minimum width)
- 8" Rear apron (minimum), 7-gauge, 201 Stainless steel
- ¼" AR-400 Steel floor, with radius to sidewall
- 7-gauge, 201 stainless steel, 3 panel gate, with air lock and release
- Stainless steel gate hinges and latches
- 10-gauge, 201 stainless steel sides and head with 12" deep hoist doghouse



- Adjustable gate hinges and brackets, dual, stainless steel
- 22" (minimum) – 25" (maximum) cab shield, 78" wide, 201 stainless steel
- Boxed top rail and horizontal side brace, heavy duty
- 7-gauge, 201 stainless steel rear corner posts
- ¾" (minimum) to 1" (maximum) rod side tarp bars, 201 stainless steel
- Front, midway, and rear board pockets, 201 stainless steel
- Lights and reflectors to comply with Federal Motor Vehicle Safety Standard 108
- Tail, turn and brake lights, corner post mounted
- Front & rear strobes in cab protector
- Stop and tail lights in rear of cab protector and bed (bed lights shall be visible with tailgate spreader mounted to truck)
- All lights shall be solidly attached to the light openings
- Vibrator (shall have push button switch easily accessible to driver without stretching to reach button)
- Mud flaps for both front and aft tandem axles
- Bed-up alarm (interior light shall be placed low to not affect driver vision in the dark)
- Rear junction box accessible with body down
- Body props
- Exterior wiring soldered and shrink wrapped
- Wiring routed in galvanized steel conduit
- Stainless steel in natural finish
- Aluminum frame-mounted toolbox
- Shovel holders on both sides of bed
- Controls installed in truck shall be easily accessible to the driver
- Access holes cut in truck shall be sealed off from the outside elements
- All control switches installed in truck shall be well labeled at delivery

***LONG SILLS:***

- Stainless Steel Long Sills for Dump Bed (Please note grade of Long Sills in bid)

***SPREADER AND SPREADER BOX***

- Henderson Stainless Steel 9" Rear Mount Salt Spreader and Spreader Box with Fan (Mounted)
- Vertical lift pins on each side with tension straps
- Gate closure panels, Minnesota DOT Design
- Hoses and quick couplers
- Jump hose
- No berm chute

***CHIPPER BAR***

- Removable AFT tow kit/chipper bar
- 7-way receptacle & cab brake controller
- 2 – 1" D-rings
- 1 ¾" dia CRR chipper bar with structural steel tube verticals

### ***TRUCK BODY HOIST***

- Frame to floor mounting 8.5" maximum
- 28.5-ton capacity, minimum
- Heavy duty, telescoping hoist
- Hinge pins, 2.5" hinge blocks, 100 303 stainless steel
- Composite hinge and cylinder bearings, greasable

### ***LIGHTING KIT***

- Aluminum or stainless cab rail
- All lighting switches shall be OEM dash switches
- LED Strobe lights (Quad Flash) and Plow Lights/Spot Lights on cab light bar (properly adjusted at delivery and easily adjustable without having to remove the light bar)
- Corner post strobe lights, high mounted, L. E. D.
- Adjustable 3" spreader LED work lights on each side of bed, High mounted
- LED flood light bar mounted at center of the cab mounted light rail
- 1 piece power cables
- Step lights on driver and passenger doors
- All wiring routed in conduit and rubber grommets
- Exterior connections soldered and shrink wrapped
- Halogen high/low and turn indicator, plow lights on aluminum or stainless-steel tilt hood brackets

### ***CRANKSHAFT DRIVE LOAD SENSE PUMP***

- Tube driveshaft, with ends
- 75 cc Pump and valve
- Dual flow spreader valve
- In cab joy stick plow controls (easily adjustable)
- Console stand for in cab controls, Console stand sealed to outside elements
- 4 port rear manifold with dust cover
- 2" quarter-turn ball valve on tank suction
- 30-gallon tank with suction screen and side mounted sight gauge
- Top mount tank filter, with gauge
- Low oil light, optional buzzer, in cab, with high pressure ball valve on pump pressure port
- Stainless steel hydraulic tank
- Stainless steel hydraulic valve locker, frame mounted
- High pressure hydraulic filter in proportional valve system

### ***SNOW PLOW HITCH***

- Henderson quick hitch 29"
- Fold down storage on lift arm
- Side plate tied into chassis frame

- 2 port faster coupler for hydraulic hook up
- Trust arms 4" x 5/8"
- Life cylinder 4" x 2" x 10"
- Reinstall mfg. bumper
- Cushion valve with quick couplers and dust caps

***HENDERSON REVERSIBLE SNOW PLOW***

- Henderson 11' long, 48" tall, & 3/16" thick moldboard
- Moldboard trip with 2 adjustable external springs
- Push frame to end of moldboard
- Hydraulic power reverse with (2) 3" x 10" x 2" D.A. cylinders
- Circle push frame, A-frame and swivel plate
- Carbide cutting edges
- 12" front rubber shield
- 30.5" hitch, plow portion

The items listed below are options the Menard County Highway Department is looking to possible add and/or change to the above specifications. Please indicate the equipment and installations prices on your bid separately.

***OPTION 1 – HENDERSON EXPRESSWAY PLOW***

- If chosen, this would be in place of the Henderson Reversible Plow
- Henderson 11' long & 3/16" thick moldboard
- Moldboard trip with 2 adjustable external springs
- Push frame to end of moldboard
- Hydraulic power reverse with (2) 3" x 10" x 2" D.A. cylinders
- Circle push frame, A-frame and swivel plate
- Carbide cutting edges
- 12" front rubber shield
- 30.5" hitch, plow portion

***OPTION 2 – FLINK HD-8 REPLACEMENT TAILGATE SPREADER***

- Flink HD-8 replacement tailgate spreader fit to the specified dump body above
- Hydraulic hook-ups to operate spreader to match hydraulics for spreader box specified above
- Rock shoot installed