



JACKSON COUNTY SECONDARY ROADS

201 West Platt Street
Maquoketa, Iowa 52060
Jayden Scheckel, P.E. Jackson County Engineer

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REQUEST FOR BIDS – (2) 14-FT CENTER WEBB STYLE DUMP BOX, 11-FT TWO-WAY PLOW, MID MOUNT RIGHT HAND PATROL WING INCLUDING ALL PLOW FRAMEWORK, ACCESSORIES & HYDRAULIC SYSTEM

Jackson County is soliciting bids for two current production Heavy Duty 14/15 Dump Box/Spreader and Hoist, such as, Air-Flo Truck Body, Henderson Muni-body II, Viking Proline Series, Flo'N Dump, Model FND-14 front spread (only) style dump body, front plow and right-hand wing to be installed on a Tandem Axle Truck with attachments and accessories.

Jackson County reserves the right to waive compliance with minor technicalities of these specifications and to reject any or all bids if deemed to be in the best interest of the County.

SPECIFICATIONS

Unit quoted shall meet or exceed the attached detailed requirements, and in addition, shall comply with applicable State and Federal OSHA laws. Modifications or deviations from the printed literature shall be described in a written statement, to be attached to the bid.

CATALOGS

Manufacturers' literature or specification sheets, giving detailed information of the make and model of box quoted, shall be filed with the quote documents. List options and/or suggestions along with specification sheets.

PREPARATION

Vendor shall perform all dealer preparation work, install all attachments and accessories, and have all components fully operational prior to making delivery.

DELIVERY

Dump Body, Hoist and Hydraulic systems shall be installed on the County's trucks at the Vendor's place of business. County will deliver the trucks to Vendor no more than 30 days after it is received from the Truck Dealer (after July 1, 2025) and will return to pick them up after dump bodies have been installed. Dump bodies shall be installed and road ready within 45 days after delivery of the trucks by the County. If the dealer fails to meet the delivery date, the dealer shall reimburse a liquidated damage of \$500 per calendar week to the County. If delivery occurs during mid-week of the liquidated damage time period, the \$500 per week will be prorated.

PAYMENT

After installation and the trucks have been picked up, Jackson County will pay seventy-five percent (75%), of the bid price on the next regular claims processing date. The balance due will be retained subject to a two-week waiting period. At the end of the two weeks, the County will release the balance unless items requiring dealer service, installation, or corrections have been discovered. If corrections are needed, then final payment will be further deferred until they have been taken care of.

March 20, 2025

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PURCHASE

Bidders shall furnish bids showing the final bid price.

PROPOSALS

The bids will be received by Jackson County at the County Engineer's Office until 10:00 am, Thursday April 3, 2025. Bids may be mailed to the Engineer's Office at 201 West Platt Street, Maquoketa, Iowa 52060. Bids will be opened and read at that time in the Engineer's Office. Action on the bids will be taken by the Board of Supervisors at 9:00 am Tuesday April 08, 2025, or at a later date as determined by the Jackson County Engineer's Office.

LITERATURE

Furnish plow, wing, and dump body manufacturer's literature and parts and service manuals.

WARRANTY

Furnish 12-month parts and labor warranty on complete box, plow, and wing assemblies hydraulic system, pump, and hoist.

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Minimum 12/14 CY dump body able to spread sand-salt / road rock out front center of box for winter application.

BODY:

Installed on a 180" + wheelbase truck with 135" to 145" cab to tandem. Minimum 14' long x 84" wide inside with interlaced understructure (no box style main frame on dump body). Minimum AR400 steel floor with true radius to sides. Minimum 10 gauge hi-tensile sides, 36" high with boxed top rail, sloped rubrail, full depth rear corner posts and sideboard pockets front and rear. Body to be stainless. Right side mounted access ladder. Minimum 10 gauge hi-tensile front head. Stationary cab shield to be incorporated in with cradle mount hydraulic tank and box hoist, width of cab only, 22" tray with flanged front lip and gusseted sides. 8 gauge hi-tensile heavy-duty tailgate with reinforced asphalt (coal chute) door (minimum 14" x 26" opening) in center of endgate. Greaseable tailgate hinge pins. Heavy duty endgate with long spreader chains. Endgate release/lock air valve in cab with minimum 3/8" air lines to air trip. Center discharge with spinner and baffle kit, if needed to ensure proper spread pattern. (Install four "D" rings inside of box for tie down purposes, two on each side and located two feet from front and rear of box and near top rail.) An alternate price shall be given for an air operated demolition endgate.

HOIST:

Telescopic nitride cylinder rod trinion mount style cylinder, N.T.E.A. class 100, 17.1-30-ton capacity for dump box, hoist to be as per box requirements and specs. O.H.S.A. approved body prop and cable shutoff to prevent over-extension of cylinder. Cable shut off may be omitted with approved cylinder. Hoist section of valve shall have a center lock to prevent accidental activation.

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LOAD SENSE HYDRAULIC SYSTEM (AS PER BOX REQUIREMENTS AND SPECS):

To operate dump body hoist, two-way plow, wing and dual motor hopper spreader to be powered by 5.6 CIR load sense pump or more if box hydraulic system requires it, hot shift PTO mounted to automatic transmission with piggy back mounted load sense hydraulic pump and controlled through sectional type control valves with power beyond end section mounted outside cab with valve sections activated by Morse R.V.C. system with bonneted connections and Morse control levers to operate dump body hoist, plow and wing lift in a heavy duty console mounted in cab. Control valve shall be U.S. manufactured such as Force America Add/A/Stack or approved equal. Valves to be cradle mounted in sealed enclosure. All valves to be adjustable restrictor valves to control speed of operation. Hydraulic wing lock to hold wing in raised position. Spreader control to be Force America SSC-3100 or equal. Minimum 30 gal. cradle mount Hydraulic tank and valve box to be sloped at the same angle as the front of box. Hydraulic oil reservoir supplied with screened filler neck, breather cap, magnetic drain plug, and sight/temperature gauge, with a internal or external return line filter with 10-micron element, by-pass and condition gauge to be mounted as close to reservoir as possible with line check valve between oil filter and reservoir to prevent oil loss when changing element. Hoses and fittings of proper size and pressure ratings to complete system with hoses to front for snowplow and wing terminating with quick couplers supplied with dust caps. All hydraulic systems are to be complete and fully operational to all functions. Hydraulic load sense so pump has minimum PSI when hydraulics are not in use.

MUD FLAPS, FENDERS:

Front and rear of rear wheels (min. 6" clearance between rear of rear wheels and rear flaps). Rear mud flaps to be hinged with removable pins.

CONVEYOR:

Conveyor to be driven by a high torque piston motor and a 25:1 planetary gearcase. Conveyor chain to pintle 667K with 24,000 tensile strength with $\frac{1}{2}$ " x $1\frac{1}{2}$ " crossbars welded to every other link and no belt over chain. Polysheild or stainless under conveyor chain to keep material off of frame rails.

SPINNER:

Spinner assembly must be adjustable left to right, front to back and up and down to ensure proper placement of material on spinner for proper spread pattern. Poly spinner disk.

REAR HITCH:

To be Holland #T60A0L8 or equal installed on H.D. 6" structural channel, ball-pintale combination with 2 5/16" ball. Channel to have 1/2" gussets and A-frame braces, 30,000 gross trailer wt. with 5/8" forged chain loops approx. 6" on each side of pintle. Mounting height of 24" center of hitch to ground. Optional solid rear plate around tail lights, with ball/pintle combination may be used if approved by the County.

PAINT:

Body is to remain the unpainted stainless steel finish.

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ELECTRICAL AND LIGHTING:

All splices to be soldered and heat shrink wrapped and all wiring to be in loom with body clips used where appropriate. Strobe light, plow lights, wing light, spreader light and auxiliary to be connected to in dash toggle switches. LED clearance/stop/turn/tail and backup lights to be Whelen 400 series Snow Away light kit in rear corner posts. All lighting to meet current F.M.V.S.S. 108 specifications. Alternating strobe light package to be installed on top of cab guard consisting of Whelen DOT 3109 strobe system, at the right and left corners. 7 plug trailer wiring to rear (female end, round pole connector) with electric trailer brake control mounted in cab.

IN-CAB CONSOLE:

Heavy Duty custom-built solid console and installed between driver and passenger seats so as not to interfere with anything else. Control shall be a Force American Patrol Commander Ultra series. Height and exact location of console to be determined by County Shop Foreman prior to installation. Spinner and wing lights to wired to factory dash switches.

All above equipment to be installed on compatible chassis with min. 135"-145" C.A. or cab to tandem, stationary grille with tilt hood. Successful box bidder is to contact truck bidder to verify cab to axle or cab to tandem, wheelbase and frame accessory mountings (driveshaft carrier bearing, air dryer/air tank, batter box) are correct as per box specification for proper box operation.

TWO WAY PLOW:

11 ft. wide by 41 in. high. Minimum 10-gauge integral shield. Adjustable attack angle. Full trip plow. Cutting edge to be Joma 6000. 12" rubber deflector. Sight markers. Reinforcing to be designed for hard surface and gravel road use by County Secondary Road Department. Build in cushion valve to prevent hydraulic system shock. Jack on plow to hold up when unhooked from truck. Minimum 2" rod on plow angle cylinders. Plow shall also be equipped with two (2) adjustable jacks with hardened shoe assemblies; one on each side of the plow.

MID MOUNT RIGHT HAND PATROL WING:

8 ft. wide by 27 in. minimum high. Minimum 10 gauge. 5/8"x 8"x 8 ft cutting edge with AASHO top punching. Minimum 6" float in front mast slide. Spring cushioned push arm. Wing reinforcing to be designed for hard surface and gravel road use by County Secondary Road Department. Wing shall fold up to allow truck into 12 ft wide door.

PAINT:

Plow, wing and attachments are to be painted black.

LOW PROFILE HITCH:

Plow hitch to be low profile to allow truck hood to be tilted. Snowplow coupling devise must be pin and loop quick release design. The receiver opening must be V tapered receiver to allow for misalignment when connecting plow to hitch. **Plow shall lift level and be allowed to swivel to follow variations in road surfaces.** Truck bumper is to be reattached to frame if removal was necessary. Plow lights are to be mounted to stainless steel brackets on the sides of the hood and must be high enough for lights to shine above the raised plow. Plow and wing hitch to be mounted so as much as possible can be easily removed for summer use.

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BID FORM

(2) 14 center webb style dump body, plow, wing, hoist, hydraulics and controls, as per specifications:

\$ _____

Brand Name _____

Model _____

Addition of Air Operated Demolition End Gates (alternate) \$ _____
Jackson County reserves the right to accept or reject alternate.

Any questions can be directed to the Jackson County Engineer's Office at (563) 652-4782 or Maquoketa County Shop at (563) 652-4318.

Bids are due in the Jackson County Engineers Office by 10:00 am Thursday April 3, 2025.

Bid submitted by: _____

Name _____

Company _____

Address _____

City/State/Zip _____

Phone: _____ Fax: _____

Delivery Date: _____