

Invitation for Bids

JEFFERSON COUNTY HIGHWAY COMMISSION
1425 SOUTH WISCONSIN DRIVE
JEFFERSON, WISCONSIN 53549

Bids close at 9:00 A.M., Tuesday day, November 10th, 2026.

The Jefferson County Highway Fleet Manager will meet at the Highway Commissioner's Office, Jefferson, Wisconsin, on Tuesday, November 10, 2026, at 9:00 A.M. for the purpose of receiving sealed bids on the following equipment:

**SIX (6) NEW 2026 DUAL WING SETUP
TRUCK EQUIPMENT, PLOW EQUIPMENT setup/reuse of
County owned V-BOX
DUAL WING QUAD AXLE TRUCKS**

&

**TWO (2) NEW 2026 SINGLE WING SETUP
TRUCK EQUIPMENT, PLOW EQUIPMENT & in BOX
WEDGE TANK
SINGLE WING QUAD AXLE TRUCKS**

This bid / proposal form must be filled out by dealer and must be submitted by 9:00 A.M, Tuesday, November 10th, 2026, at which time it will be publicly opened and read at the Jefferson County Highway Commissioner's Office. Bids which are not on this proposal form, prepared by the Highway Department, will be rejected.

Specifications, Special Provisions, and Proposal Forms are available at the Jefferson County Highway Shop, Jefferson, Wisconsin, upon request- call Fleet Manager Troy Schneider @ 920 674-7286.

The Highway Committee reserves the right to reject any or all bids, and to accept such bids as will be most advantageous to Jefferson County.

BY ORDER OF THE JEFFERSON COUNTY HIGHWAY COMMITTEE

**Sean Heaslip
Highway Commissioner**

JEFFERSON COUNTY HIGHWAY DEPARTMENT

2026 Quad-Axle Truck Equipment Setup Contract

Project Overview

Jefferson County is seeking qualified bidders to furnish all labor and materials necessary to fully equip **eight (8) new quad-axle trucks** for winter maintenance operations. Trucks will be set up in two configurations:

Truck Configurations

Setup A – Six (6) Trucks

Each truck shall be equipped with:

- Plow controls
- Lighting and electrical systems
- Hoist and dump box
- Main front plow
- Dual wings left and right
- Hydraulic systems for plow and wing operation
- Full setup to receive and operate the County's **existing V-Box units**

Setup B – Two (2) Trucks

Each truck shall be equipped with:

- Plow controls
 - Lighting and electrical systems
 - Hoist and dump box
 - Main front plow
 - Single right-hand wing
 - Tailgate salt auger
 - New in-bed wedge-style brine tanks
-

Bid Requirements

- Pricing must include **all material and labor costs** for complete installation on all trucks.
- Bidders must list equipment make, model, year, and provide a detailed breakdown of costs.
- New components needed for V-Box conversion of the 2013 units are listed on the accompanying specification sheet.
- Delivery timeframe must be clearly indicated on the bid form.

Bidder Information

Company Name: _____

Contact Name & Title: _____

Address: _____

Phone / Email: _____

Signature: _____

Date: _____

JEFFERSON COUNTY SPECIFICATION
PLOW EQUIPMENT & SET UP FOR
CAB CHASSIS SINGLE AND DOUBLE WING QUAD AXLE TRUCK

Jefferson County
2026

DUMP BODY DESIGN:

Shall be of semi-elliptical bed shape. Seven (7) gauge 50,000 psi yield steel. 18 foot asphalt dump box with side rear mounted access ladders made of steel. The body should have one-piece sides and head-sheet, of 7-gauge Hi-Tensile continuous welded steel, with ¼" AR400 floor. *Crysteel HD Series or comparable.*

Approximately 12" sloped front head sheet allowing room for hydraulic components & reservoir. 22 plus cubic yard capacity dump box to include high lift hydraulic tailgate with heavy duty upper clevis yokes on cylinders. Dump box high lift cylinders must have large access cover in dump box corners for maintenance and repairs. Dump box design to incorporate flat front head-sheet & box hydraulic cylinder located in front of head-sheet.

-----Fully meets or exceeds -----Meets with dealer modifications

Measurements:

Length—18 foot quad axle dump body with asphalt tail. Width 84" to 86" inside.

Side height- approximately 68" down to 56".

Front height—approximately 68"

Tailgate height—approximately 56" Make & Model _____

_____ Fully meets or exceeds _____ Meets with dealer modifications

Sides, front, corners, cab protector, and tailgate:

Minimum 7 gauge steel construction.

Cross-memberless frame body.

Enclosed steel I-beam longitudinal fully welded to support floor and coated with Rhino Raptor Liner or equivalent.

All body seams solid continuous electrical welded.

Rear corner post cut out for four 6 inch oval light sets.

Boxed upper rail with tapered top edge coated with Rhino Raptor liner or equivalent.

Sloped brace closed bottom rub rail acting as fender. With protective coating. (Rhino Raptor Liner or equivalent.)

All body points/pins to be primed.

Both Dump Body pins removable after hinges welded in, & greaseable! (pins not welded into hinges)

Tailgate to have grease fittings on removable tailgate pins and locking mechanisms.

Tailgate to be 5 gauge steel construction.

Tailgate to have one lifting ring or loop on top of tailgate.

Air trip tailgate.

Cab protector to extend from front of box to approximately 2 inches past rear of cab. (24" overall length)

Underside of cab protector to be gusseted to support tarp assembly and emergency lighting.

Cab protector to have ¼"x4"x4" angle wrapping top of cab protector tapering to front of box opening.

Lower box taper to be coated with Rhino Raptor Liner or equivalent.

____ Fully meets or exceeds ____ Meets with dealer modifications

HOIST:

50 degree dumping angle (minimum)

Body props, one per side, w/grease fittings.

Make & Model _____

Body props long enough to support empty box at $\frac{3}{4}$ of overall lift height.

Greaseable bushings at all pivot points.

Body up light in cab.

NTEA class 120 telescopic hoist, 39-ton minimum capacity for 18' asphalt dump box.

Nitride rather than chrome finish preferred.

____ Fully meets or exceeds ____ Meets with dealer modifications

DUMP BODY TO HAVE THE FOLLOWING ADDITIONS:

Ladder step/rail (L rear and R rear) with grab handles on top sill for easy access and climbing. Dump box ladder step/rail must be made of grip strut steel & 24 inches wide with 2 tarp arm wind locks per sample.

An additional tarp arm locks mounted higher for v-body insert trucks.

2 bolt on inside step loops mounted opposite outer ladder on left side only.

Provide walking rail/step on both sides of dump-box for full length. Step should be slip resistant grip strut material.

Vendor to provide one toolbox per truck that is 18"W 14"H 12"D made of aluminum by Weather Guard.

Toolboxes with turn handle opener & latch rods, not pull paddle opener.

4 of D-rings at balance points, with tailgate installed, welded on inside of box.

D-rings mounted on front of body for chaining of wing. Both sides if double wing truck.

D-ring mounted above hitch plate for recovery.

Tailgate chain to be minimum of $\frac{3}{8}$ inch with plastic chain covering.

Four oval light holes on each side for lights

Vender shall provide an electric tarp system- with tension bows. (ROLL-RITE)

Vender shall provide a dump box vibrator (Cougar model TDC12-3200-4M)

2 of stainless steel shovel holders bolted on lower outside rear of dump box.

DOT tape with rounded joints on bottom rub rails, asphalt lip & tailgate perimeter & cross braces.

Pair of stainless steel tailgate triangle slide & pin spreader side shields per sample.

All wires hung on bottom side of dump box must be tied to welded on rods per sample truck.

Dump box limit switch & hose holder unit set up per sample design.

Dump box up warning light switch to be Omron model 2E NJ2S.

Dump Box, & related plow equipment to be vendor electrostatic powder coat painted 2303 Harvester Red.

Mud flaps hung from dump box ahead of spray bar by chains & heavy duty "carabiner" clips.

____ Fully meets or exceeds ____ Meets with dealer modifications

Vendor Comment Area:

HYDRAULIC SYSTEM: FORCE AMERICA SYSTEM- Purchased through equipment dealer.

The hydraulic pump shall be an axial piston pressure and flow compensated load-sensing type. The pump shall have a displacement of 5.61 cubic inches per revolution at maximum stroke which will deliver 23.7 GPM @ 1000 engine RPM. The pump shall have a minimum 2" inch suction and ½" control drain. The pump shall be rated for 4700 PSI. The pump shall have a Din type-mounting flange. The pump shall be Force America model TXV92 load sensing. A constant mesh PTO Muncie CD10-A10 05 M11X with electric shut-off valve for pressure side, mountable to the 4500 RDS series or equivalent transmission. Pump shall have low oil shutdown provision. The PTO shall run at a 103% of engine speed. PTO extension Muncie 49TA5397A required to locate hydraulic pump rear of transmission & hydraulic pump front designed to be supported by rear transmission output cover.

____ Fully meets or exceeds ____ Meets with dealer modifications

HIGH PRESSURE FILTER:

There will be a high-pressure filter plumbed between the hydraulic pump and the control valve assembly. The hydraulic filter shall be a 25-micron **absolute** and rated for 6000 psi. The filter shall be model HP17125VG30EPUG5S2AE7050P and be equipped with a visual and electrical bypass indicators. The electrical indicator shall be wired to a warning light in the control center.

____ Fully meets or exceeds ____ Meets with dealer modifications

HYDRAULIC VALVE:

The hydraulic valve shall be of modular manifold design for mounting above frame rail between cab & dump box. Each hydraulic function requires an individual manifold stacked together to form the manifold base. The manifold base shall consist of an inlet section with SAE #16 inlet porting, SAE #20 outlet porting, and SAE #4 load sense porting. The dump body manifold shall be stacked next to the inlet section, and capable of 40 GPM with SAE #12 porting. The hydraulic control valves shall be pulse-width modulated, proportionally controlled. Each hydraulic valve segment shall be individually mounted to the manifold base assembly and be serviceable without removing any hydraulic hoses or any other hydraulic valve segments. Each hydraulic valve segment shall have individual pressure compensation to achieve independent simultaneous operations. All segments shall have heavy-duty continuous duty coils and connections shall be with Din connectors. All coils shall operate at 12 VDC and require a maximum of 1400 mille-amps. Each segment shall be equipped with a manual override except for the prewet and spinner sections. The dump body segment shall be rated to 40 GPM, with all other segments rated to 21 GPM. Valve segments shall be Force America Add-A-Fold® model or prior approved equal. The valve is to be arranged as follows:

Dump Body Hoist	3-way with a 40 GPM spool <u>ported large</u> for faster hoist operation (1")
Plow lift	4-way with a 21 GPM spool
Plow angle	4-way with a 21 GPM spool and external cushion valve set at 1800 PSI
Wing toe R	4-way with a 21 GPM spool and wing toe L for double wing.
Wing heel R	4-way with a 21 GPM spool and wing heel L for double wing.
Spreader auger Fwd./Rev.	4-way with a 14 GPM spool
Dual Spinners	Dual 2-way proportional 5 GPM cartridges
Direct Liquid	4-way with a 14 GPM spool to run anti-icing spray bars
Tailgate	4-way with a 14 GPM spool

Reinforce vertical mounted hydraulic valve assembly with additional straps or clamps.
 Locate hydraulic valve electrical control harness to avoid any rubbing in enclosure box or on truck.
 Electrical & hydraulics for power float blade saver function on plow.

____ Fully meets or exceeds ____ Meets with dealer modifications

RESERVOIR/ VALVE ENCLOSURE:

The hydraulic reservoir of a minimum 40 gallons nominal capacity.

The hydraulic reservoir & valve enclosure constructed of 8-gauge stainless steel and be internally baffled.

Mounting bracket is to be designed and supplied by the reservoir supplier, & stainless steel.

Mounting system should allow for a 1" frame clearance for frame obstructions.

A 2" full flow brass ball valve shall be provided for the 2" NPT suction port of the reservoir located in center bottom with 100 mesh screen & 3 psi by-pass.

There shall be an electric low oil/high temp sending unit wired to the control consoles warning lights.

Hydraulic reservoir to also have 5 psi basket type filler breather cap, 3/4" NPT magnetic drain plug, 5" sight & temperature gauge mounted high on outside visible from right side with dump box down.

The valve enclosure to use a gasket-less passive technology. (No rubber seals, gaskets, or weather stripping.) Lid to protect from road & pressure washer spray.

Enclosure designed to allow wire cabling & hosing to enter & exit bottom of valve mount plate.

Enclosure lid to box in top of valve, be made of stainless steel & have 2 strips of grip strut on top.

The enclosure lid will be removable by one person by unbolting.

All valve fittings, hose ends, sending units and any electrical connections are to be protected by enclosure lid.

Enclosure sized to cover valve assembly & fit vertically above sub frame between cab & dump box.

The directional control valve must be easily accessible from all (6) sides without the use of tools.

Hose exit and entrance must allow for components to be mounted adjacent to the enclosure.

____ Fully meets or exceeds ____ Meets with dealer modifications

CONTROL CENTER:

Controls for all valve functions, electronic spreader control, will be integrated into a single, self-contained control center. The control center shall be a padded armrest style that is ergonomically designed fixed to the operator seat. Control center shall be modular in design for ease of installation and service, and wiring and connectors shall be color coded throughout. A sealed, pre-wired harness for all valve controls must be provided. All components must be durable for long life and trouble-free operation.

The controller shall have 3 single joysticks. (or 4 if dual wing design) Hoist shall be proportional control with center interlock for safety. Joystick shall include 2 dual axis (3 for dual wing application valve control mini-joysticks for plow and wing. There will also be 2 momentary switches for remote spreader blast and standby. Controls for spreader must be located on armrest at the operator's fingertips. Spreader display unit shall be a modular "heads up" display. The heads-up display will also provide four warning light options illuminated in red for low oil, body up, oil temp, and filter bypass.

____ Fully meets or exceeds ____ Meets with dealer modifications

SPREADER CONTROLS:

The electronic spreader control shall be designed for precise, Closed Loop control of granular, pre-wet/anti icing, and direct liquid application. The electronic spreader control shall have a **field replaceable** battery back up that protects memory functions. The unit must be protected from reverse polarity, as well as be over-voltage protected by using a five-amp reset circuit breaker.

The control unit must have password protection to prevent unauthorized use of set up, complete operation, and calibration parameters. The control unit shall be capable of self-calibration of auger feed rates and require no additional timepieces to calibrate. Programming shall allow for blast function to be set one of three ways: momentary, timed or by distance traveled. The unit must also be capable of spreading up to three different materials and ten programmable spread rates. Programming shall provide for automatic feedback failure. The unit must provide three operational modes: manual, open loop (ground speed only) and closed loop (ground speed with auger/conveyor feedback).

The control unit shall be capable of utilizing a cal-key or thumb drive for ease of programming the spreader control calibration factors. Text display shall inform the operator of spread rate information (US or metric) and calibration parameters. The unit must be capable of displaying logged spread run information for intermediate reference and be able to download data to a serial printer or PC computer

when complete data is required. The unit will provide real time and date. The unit must provide for five compensated valve outputs. In addition the unit must have two detented control dials with 11 positions, bi-directional RS232 port for printer or data collection, standby (pass) feature, stationary unload and liquid application mode. The unit shall also be able to be upgraded for event logging. The control shall have a programmable jump-start feature to provide immediate material flow at start up. The unit must be programmable to interface with road temperature sensors, direct liquid application systems, and AVL/data management equipment. Each unit shall come with supervisor key to provide access to calibration parameters without access code. Spreader control shall be Force America model 6100 V. Spreader & hydraulic control wire harness to be IP67 rated DIN connectors with LED indicators at hydraulic valve.

____ Fully meets or exceeds ____ Meets with dealer modifications

TANK MOUNT FILTER:

Hydraulic oil filter shall be mounted in the reservoir. Hydraulic filter shall be a 16-micron absolute and rated for no less than 60 GPM. Filter shall be model TEF31016VG16SP-UG60E115 and include visual and electrical bypass indicators. A warning light and buzzer shall be mounted in the cab and wired to the electrical indicator. An automatic oil shut-off is required if excessive oil is lost to prevent hydraulic component failure.

____ Fully meets or exceeds ____ Meets with dealer modifications

VALVE CONTROLS:

The valve control in the control center for dump body shall be a fully proportional pulse width modulating controller with spring return to neutral and center safety lock. The valve control in the control center for snowplow shall be dual axis spring return to neutral for plow raise/lower, and plow angle. The valve control in the control center for the wing functions shall be dual axis spring return to neutral for wing toe raise/lower and wing heel raise/lower.

____ Fully meets or exceeds ____ Meets with dealer modifications

HYDRAULIC LINES AND PLUMBING:

All hydraulic pipes, quick couplers, and plumbing to be stainless steel of sufficient capacity so as not to create heat or turbulence within hydraulic system. Stainless steel hydraulic pipes with swivels installed to fit longitudinally inside sub frame centered & supported with nylon bolt on blocks per sample. Suction line between reservoir and pump shall be a minimum of 2 in. I.D. with a minimum SAE 100-R4 rating and shall be secured on both ends via heavy duty banding straps, radiator hose clamps unacceptable. All pressure hoses, including signal sense to pump shall have swivel fittings on both ends and have a minimum SAE 100-R2 rating. Return lines and case drain shall have minimum SAE 100-R1 rating.

Hydraulic lines shall be routed to minimize interference with equipment and chassis components requiring periodic servicing. Support brackets, grommets, and tie wraps shall be provided where appropriate to protect lines from damage by abrasion, cutting or impact.

Hoses shall not be routed near exhaust manifolds pipes, bolts, sharp edges, and exhaust system to prevent wear, fatigue, or fire. Pipe fittings shall not be used in any high-pressure line. Maximum distance between support clamps on all hydraulic lines shall be 24 inches.

Dual wing truck must be compatible with 2012 Monroe V-Body inserts.
V-body hydraulic requirements are Main auger, cross/sander auger, pre-wet, Direct liquid, and dual spinners. All components required will have stainless male and female quick couplers. Couplers mounted under box hinge above hitch plate with protective cover during summer applications.

____ Fully meets or exceeds ____ Meets with dealer modifications

DUMP BOX IN BED BRINE SPRAY SYSTEM FOR SINLE WING TRUCK:

Single 1600 gallon fabricated poly wedge tank with mounting kit strong enough to hold full tank in dump box during slow speed roll over, 2" male banjo quick fill kit, suction plumbing kit, hydraulic closed loop power unit, & relief valve kit. Compatible with Force America 6100 V hydraulic control unit. Tank mounted as far forward in dump box as possible. Install rubber flaps mounted the length of wedge tank above tank gap to keep granular salt from being dumped between tank & dump box wall. 3 of FA 6100V controlled electric brine flow valves for 2 additional stainless steel spray bars 24" long on drivers and passenger side, each with 5 of 1/8" opening spray nozzles mounted. Assembly to be hung from truck rear frame on adjustable stainless steel hanger brackets allowing spray nozzle tips to be as close as 10" above the road. System also requires 1 of 200 GPM centrifugal spray pump hydraulic oil operated power unit with flow meter inside poly box enclosure mounted under box long sills. This poly box also contains the Direct Liquid Module and Direct Power Module and will be removable during summer months. Grainger poly box #52XE58 and bracket #52XC53 required. Adjustable 5 psi brine flow check valve & Y style brine filter trap required.

Illustrations are provided for reference.

____ Fully meets or exceeds ____ Meets w dealer modification

GPS SYSTEM:

Force America / Samsara capable with front facing camera(Samsara provided and installed by Jefferson County).

ELECTRICAL LIGHTING SYSTEM:

Electrical system shall incorporate the following construction characteristics. The unit shall have a sealed lighting system. This closed system shall be designed to protect against abrasion, salt, capillary action, and physical damage using sealed junction boxes, compression fittings, and standard production sealed wiring harnesses.

Shall be LED Lighting for all lighting (stop/tail/turn/marker lights)

Stop, tail, turn signal (LED light), and strobe lights (LED light) located in dump body corner posts, and marker/turn signal lights located on lower rail at center of box.

Indicator light for box raised mounted in the Salter control center.

____ Fully meets or exceeds ____ Meets with dealer modifications

ELECTRICAL SYSTEM:

LED Lighting where possible for all lighting (stop/tail/turn, marker, plow, work lights)

Electrical system shall incorporate the following construction characteristics:

4-1/2 inch white chassis mounted light in rubber housing to illuminate wing plow (JW Speaker 670XD or equivalent).

2 of 4-1/2 inch amber light, mounted in rubber hosing (JW Speaker 670XD or equivalent) to be used for spinners, mounted on spreader. Back-up lights to be wired to reverse on transmission with a relay & circuit breaker. Brackets for back up lights mounted beneath hitch plate.

Four Stop, tail, turn signal (LED light), and four strobe lights (LED light) located in dump body corner posts, and an additional two stop, tail and turn signal located between frame rails. Sequence for

corner post lights will be top- amber strobe, center-two stop/turn/tail, bottom green. Marker/turn signal lights must also be LED.

All wiring should be fully supported at connections and lights with wire clips/brackets to prevent pulling of wiring, etc.

Two self-leveling light brackets on each corner of cab protector to include one each of amber / green LED strobe lights on cab protector with flexible wiring harness. (Whelen mini amber/green light bars RDLPPAG)

Indicator light for box raised mounted in the spreader control center with an Omron type 2ENJ2S limit switch control mounted near front of dump box.

Plow frame mounted plow lights with steel T mounting brackets per sample by the Jefferson County.

Plow light control switch mounted in the dash so plow lights can be switched between OEM lights and plow lights.

Plow lights JW Speaker 9800HS or equivalent. Note-electrical connections should be sealed and placed inside a housing. Entire sealed wiring/lighting system.

Additional front plow work lights mounted next to plow lights on T brackets JW Speaker 526 or equivalent.

All auxiliary equipment control switches in cab located uniformly & labelled.

Relays & solenoids located in poly boxes & labelled. Poly junction boxes located on pedestal in cab or above hydraulic valve mounting tower between cab & dump box.

All components to use Deutsch male and female connections.

____ Fully meets or exceeds ____ Meets with dealer modifications

All auxiliary wiring shall be made continuous from the junction box to all lights and back-up alarm. Quick disconnect type lead splices are not acceptable.

____ Fully meets or exceeds ____ Meets with dealer modifications

The cab junction box shall be large enough to contain all wiring. An electrical Romex type connector shall protect all wiring, which passes through the cab floor to the cab junction box. All auxiliary wiring shall originate from this box and be grounded from this source by an 8 gauge cable attached to the negative terminal of the battery and the chassis frame.

____ Fully meets or exceeds ____ Meets with dealer modifications

All wire ends shall be crimped and soldered. All harnesses shall be supported by rubber coated metal band clamps placed approximately every 24 inches. All lamp connections and all junction box connections shall be treated with a corrosion inhibitor (Trucklite NYK77 dielectric grease).

____ Fully meets or exceeds ____ Meets with dealer modifications

Add di-electric grease to all connections installed, added and/or modified by truck equipment vendor.

____ Fully meets or exceeds ____ Meets with dealer modifications

TAILGATE SPREADER:

9" auger configuration, 96" wide, full flighted one way with reversible hydraulic motor.

Dual spinners self leveling with hyd. motors Monroe 05066546 or equivalent. (free swinging/balanced)

Entire unit constructed of 304 stainless steel with dual discharge doors. Unit mounted tight to dump box.

Direct drive with extension of drive shaft for speed sensor mounting & stainless steel bolt on sensor cover.

Spinners to be easily removable from spreader, stainless steel, and equipped with poly spinner discs.

4 Pre-wet nozzles mounted inside of auger compartment located on drivers side 4 inches apart.

Install electric solenoid valve to turn pre-wet on & off to nozzles inside of auger housing. On/off function controlled with Force system.

Top & bottom clean out doors locked & unlocked with 2 levers each.

Clean-out doors to have a fixed grab handle mounted in center.

Bolt on brackets mounting unit to Dump Box should be quick-pin disconnect to spreader.

Removable cover plates over drop holes sized to prevent dry salt from running out with auger stopped.

Spinners & spreader plumbed with stainless steel quick couplers at rear of truck.

Spreader bracket mounted left & right spreader lights.

Additional, plug in to trailer plug, LED tail/stop/turn lights & back up lights mounted in both spinner hanger frame openings.

Upfitter to supply a sander clean out door lift assist bar with stowed mount on rear underside of sander.

____ Fully meets or exceeds ____ Meets with dealer modifications

Make & Model _____

PLOW/WING HITCH:

Snow Plow Hitch shall be a Monroe Quick Hitch or equivalent.

A 4" x 10" minimum nitrided rod lift cylinder shall be provided.

Removable mesh basket mounted between frame extensions in available space.

Basket to be a 3/8" stud and hitch pin clip install/removable system.

Two tool loops bolted off frame extensions.

____ Fully meets or exceeds ____ Meets with dealer modifications

Make & Model _____

Wing hitch shall be a full floating trailing link toe lift design.

Wing hitch mounted to a horizontal slide in post with two wing toe cheek plates on frame.

Wing to park against a steel stop block as close to mirror as possible without hitting it.

____ Fully meets or exceeds ____ Meets with dealer modifications

Make & Model _____

SNOW PLOW:

The plow shall be 11' long and the moldboard height to be 48" with the following construction characteristics: (Monroe MP48R11-ISCT)

Blades to be Winter Eq. Co. Razor XL 8" carbide blades.

Plow moldboard face minimum 7-gauge (3/16") thickness one piece.

Reinforced with no less than eight (8) vertical ribs of 1/2" x 4".

Full moldboard tripping capability with dual compression trip spring assemblies.

Four (4) hinge points. Plow removed lifting ring installed.

Fully reversible with two swing cylinders each Include a manifold cross block for hydraulic hoses.

Cylinders to be mounted top side of circle & be 4" x 10".

Factory level-lift system that allows continuous level in any position. Variation of level from left to right not to exceed 3" during rotation. Plow lift cylinder to have hydraulic quick couplers.

Adjustable/incremental attack angle on the moldboard. Plow lift arm pivot pins rather than bolts.

Broken or continuous moldboard face.

Rubber plow flap installed. Flap should be 24" wide & 1/2" thick stiff material. Plow side rubber flap also

with same ½" material.

Cylinders should be constructed of nitrided rod rather than chrome.

Moldboard paint shall be 2303 Harvester Red powder coat. Push frame & components powder coated black. Moldboard top angle 2" x 3" x 3/8". Moldboard bottom angle 4" x 4" x ¾".

Plow frame cross tube support 4" x 4" x 3/8". Semicircle 3 1/2" x 3 1/2" x ½" angle iron.

Moldboard & push frame 100% continuous welded.

MC 6000 plow portion hitch to fit Monroe Quick Hitch.

Plow removed parking crank & flip jack installed on a left side upright plate.

2 lighted LED plow marker sticks installed & wired to switch in cab. Wires held to welded on rods per sample. LED Whip-Zilla 2 foot long red extended up from bottom to be visible from driver's seat.

Lifting D-ring welded at center balance point for plow disconnect/connect.

____ Fully meets or exceeds ____ Meets with dealer modifications
Make & Model _____

FRONT MOUNTED SNOW PLOW WING:

Right side and Left side for double wing trucks mounted with double hydraulic control function & non trip edge.

9' wing with 9' cutting edge.

Plow moldboard minimum 7 gauge (3/16) thickness with 4" x 4" x ¾" bottom angle & 5, ½" x 4" ribs.

No cable design with full hood clearance and no side shift or tilt required. Wing heel mechanism to be a paraglide or equivalent system. Jefferson County and the successful truck chassis vendor will work with the snowplow equipment vendor to ensure that the truck chassis/hood/hood hinges are compatible due to the large variations in truck chassis designs on the market. The wing should incorporate a full floating trailing link toe lift design. Chassis hood should simply open to full engine compartment exposure to allow easy access. Wing removed lift stow hole.

Wing toe lift mechanism to have 1 spring loaded folding non lit marker stick per sample.

Single rear push brace includes spring-cushioned design with truck frame mount stop. The tube is to be made of minimum or 2" schedule #80 pipe. No rear cylinder mounted on push brace. Truck mounted beam for push tube to be located 14" high at center for tube to ride as level as possible.

Open faced construction.

Broken or continuous moldboard face. (Size approximately 28" at toe end and 35" high at the heel end)

All cylinders to be nitrided rods.

Winter Eq. Co. Razor XL 8" carbide cutting edge.

Rubber plow flap installed by vendor. Flap should be 8" wide & ½" thick stiff material.

Wing should have float capability, no down pressure with adjustable heel float link design.

Heel cylinder internally incorporated wing lock and wing deceleration function.

Heel lift cylinder attached to moldboard frame to lift vertical center of frame & long enough to lower wing below horizontal plane.

Wing shall have quick disconnect hoses.

Front horizontal slide in mount post ½" x 4" x 6" tube with plow frame install holes & supports.

Right and left side for a double wing side mounted heavy duty wing airbag on axle including mounts, switch, & air relay.

Air regulator located in cab with air shutoff valve before regulator.

LED 2 foot long Whip-Zilla green whip on heel. Non lit indicator stick on toe. Both whips extended higher on rubber hoses to make whip visible from driver's seat when wing lowered to ground.

Sealed safety strobe lights mounted on outer edge visible from rear of truck. (Whelen LINZ-6 or equivalent)

Moldboard powder coated 2303 Harvester Red.

Hitch mounting & components powder coated black.

Wing to have DOT tape with rounded corners added to edges.

____ Fully meets or exceeds ____ Meets with dealer modifications
Make & Model _____

MISCELLANEOUS ADDITIONAL CONSTRUCTION CHARACTERISTICS:

¾" thick drilled pintle plate, Pintle hook not included.

Auxiliary air solenoid manifold relocated for easy access if located in tight space.

Safety chain D rings & trailer brake air lines plumbed & plugged off on back of pintle plate.

Installation of air drier to chassis based on best location as determined by equipment used.

Rear hydraulic quick couplers mounted recessed between frame facing back & covered with a removable cover plate per sample. Turn exhaust tip out 45 degrees away from any mounted equipment.

_____ Fully meets or exceeds _____ Meets with dealer modification

MOUNTING: APPLIES TO ALL BID ITEMS. The vendor shall provide all materials, labor, do all the fitting and relocation of equipment as necessary to complete installation of the awarded items on the chassis furnished. The truck manufacturer's recommendations for mounting shall be followed. **Sample truck will be provided for a couple weeks to copy set up details.**

_____ Will Comply

_____ Can Not Comply

PAINTING: All push frames/hitches and non stainless manufactured equipment will be cleaned, sandblasted and/or degreased, primed and painted black in color. Paint shall be powder coat. Moldboards to be painted 2303 Harvester Red, three coats of paint over a Corlar primer (or equal) is required. Deviations in painting techniques or processes must be pre-approved by Jefferson County in advance.

_____ Fully meets or exceeds _____ Meets with dealer modifications

**JEFFERSON COUNTY SPECIFICATION FOR
2026 SET UP OF EIGHT (8) QUAD AXLE TRUCKS EQUIPMENT AND PLOW EQUIPMENT**

NOTE: BIDDERS ARE REMINDED TO CAREFULLY EXAMINE THE BID AND SPECIFICATIONS UPON RECEIPT. IF NECESSARY, BIDDERS SHOULD MAKE A WRITTEN REQUEST TO THE PURCHASING AGENT WHOSE NAME APPEARS ON PAGE 1 OF THE BID, FOR INTERPRETATION OR CORRECTION OF ANY AMBIGUITY, INCONSISTENCY OR ERROR DISCOVERED.

ADDITIONALLY, IF IN YOUR OPINION, ANY OF THE TERMS AND CONDITIONS OF THIS SPECIFICATION OR BID PREVENT YOU FROM BIDDING, CONSIDERATION WILL BE GIVEN TO A BIDDER'S REQUEST FOR CHANGE.

ANY REQUESTS FOR CHANGES, CLARIFICATIONS, ETC. **MUST** BE SUBMITTED TO JEFFERSON COUNTY IN **WRITING** AT LEAST **FIVE WORKING DAYS** PRIOR TO BID OPENING. REQUESTS RECEIVED AFTER THAT TIME **WILL NOT** BE CONSIDERED.

ANY CHANGES MADE AS A RESULT OF A WRITTEN REQUEST WILL BE ISSUED VIA A BID AMENDMENT TO ALL PROSPECTIVE BIDDERS AND IF NECESSARY, AN EXTENSION WILL BE MADE TO THE BID OPENING DATE. **ALL AMENDMENTS MUST BE RETURNED PRIOR TO THE OPENING DATE AS SPECIFIED IN THE AMENDMENT. BIDDERS WHO DO NOT RETURN THE AMENDMENTS MAY HAVE THEIR BIDS REJECTED. IF YOU ARE UNABLE TO ACCESS THE INTERNET, CONTACT THE BUYER LISTED FOR A HARD COPY.**

BIDDERS ARE CAUTIONED NOT TO CHANGE ANY OF THE TERMS OR CONDITIONS IN THE BID AND/OR SPECIFICATIONS WITHOUT THE WRITTEN APPROVAL OF THE PURCHASING DIVISION. ANY UNAUTHORIZED CHANGES WILL CONSTITUTE A COUNTEROFFER AND WILL SUBJECT THE BID TO REJECTION.

GENERAL: It is the intent of this specification to describe the minimum requirements for the purchase of a **2026 SET UP OF 8 QUAD AXLE TRUCKS EQUIPMENT AND PLOW EQUIPMENT**. All parts, items, or features not specifically mentioned, which are necessary, or which are regularly furnished to provide a complete unit, shall be furnished by the successful bidder at the bid price and shall conform in strength and quality of material and workmanship to that usually provided by the practice indicated in this specification.

"PIGGYBACK" PROVISION: This commodity has been selected to be made available for use by other units of local government in Jefferson County Wisconsin. These subdivisions include cities, towns, & villages. The use of the contract, by the above units of government, will be optional.

If the prices offered on this proposal will be extended to the above-mentioned governmental units, indicate in the space provided below. If the prices, terms, or conditions are not the same, include a statement completely detailing the changes.

Any resulting contract is solely between supplier and third-party unit of government. Billings for items purchased under this agreement shall be directed to the governmental agency purchasing these items.

This agency shall not be responsible for any problems which may arise between other units of government and the contractor as a result of any sales and/or purchases made.

Participation will not be considered in making of awards under this inquiry.

We agree to extend this contract to other members of Local Government in accordance with this proposal:

Yes _____ No _____

BID MODIFICATIONS: Jefferson County shall have the sole authority to modify this bid.

TAXES: Bids should not include Federal Excise and Wisconsin Sales Taxes as the agencies are exempt from payment of such taxes. State Statute No. 77.54(9a).

UNSUITABLE EQUIPMENT: Bids will not be considered for equipment that has previously failed to perform satisfactorily or from contractors or subcontractors who have a history of performance problems with Jefferson County.

DESCRIPTIVE LITERATURE: Bidder shall attach manufacturer's order ticket covering the equipment on which he is bidding and which specifically and clearly indicates coverage of all items shown in the bid specifications. If the manufacturer's literature does not clearly reflect these items, the bidder shall attach certification from the manufacturer verifying compliance with the bid specifications. Failure to provide this information may result in bid rejection.

MODEL: Equipment defined in this document shall be the latest model offered. Equipment/vehicles shall be new and unused.

EQUIPMENT STANDARDS: Vehicles/equipment bid must meet or exceed all Federal, State and Local health, safety, lighting and noise standards.

FREIGHT INCREASE: If there is a freight increase prior to delivery of the units, the additional increase must be at the dealer's expense.

PATENT PROTECTION: The vendor shall protect and hold harmless the buyer from any patent infringements on mechanical devices or process for which the equipment may be used.

MANUFACTURER'S WARRANTY: As Jefferson County is obligated to purchase equipment that will provide service over a long life, the successful bidder may be required to furnish a warranty by the manufacturer that the equipment bid on is suitable for the service intended in accordance with the specifications defined. The vendor shall furnish Jefferson County with the same warranty as offered to fleet customers.

VENDORS ARE TO INCLUDE A COMPLETE WARRANTY STATEMENT WITH THEIR BID RESPONSE.

SERVICE FACILITIES: In order for Jefferson County to be assured of being able to maintain and repair the equipment purchased, there shall be a service facility, with a reasonable stock of repair parts for the equipment bid on, within reasonable distance of Jefferson County.

NEW EQUIPMENT CHECKUP AND SERVICE FOR ALL EQUIPMENT: Prior to the delivery, the equipment must be completely serviced by the successful bidder (dealer) in accordance with the manufacturer's standard new equipment "make-ready" recommendations. Equipment shall contain a pre-delivery check sheet showing what operations the selling dealer has performed on the equipment. Factory pre-delivery will not be acceptable.

REJECTION: Equipment will be evaluated by Jefferson County for compliance with the specifications. Failure to comply with this specification is sufficient cause for rejection. For multiple purchases, one complete pilot model shall be submitted for acceptance and approval before delivery of the remaining units.

TRAINING: The successful bidder will provide a minimum of 2 hours of service training to cover all aspects of the unit including complete set-up, operation, electronics diagnostics, and accessories for up to 6 technicians within 1 week of taking delivery of the unit. Training to include diagnostics and use of diagnostic tools if applicable.

PRE-ORDER MEETING: The successful bidder must contact Troy Schneider; Fleet Manager, 920-674-7286 to arrange a pre-order meeting to verify actual equipment order is correct and meets specification prior to processing the order(s).

PAYMENT: Payment will be made within 30 days after acceptance of equipment and receipt of a properly documented invoice. Invoices must be submitted in duplicate. The original invoice is to be mailed to the "BILL TO" address listed on the purchase order. The duplicate invoice is to be delivered with the equipment, along with a certificate of origin.

I. REQUIREMENTS: Bidders are required to provide data as indicated throughout this bid document. Any minimum specifications not met must be stated, and any deviation from the specification for the item being bid must be described in detail. If you are offering a substitute, a complete explanation must be provided on the advantage of the substitute. Jefferson County will make the sole determination as to the acceptability of the substitute.

Any deletions, additions or variations from the specifications, including dealer modifications, must be noted.

Any items appearing in the manufacturer's regular published specifications furnished by the bidder are assumed to be in the bidder's price. For items allowing "or equivalent", the equivalent manufacturer and model shall be clearly stated.

Bidders may bid on more than one unit by duplicating this bid document. The entire document must be signed and submitted prior to the bid opening date noted on the Invitation for Bids page. **NOTE: You must confirm compliance by initialing each section on individual specifications.**

III. EQUIPMENT DIAGNOSTICS/PARAMETER SETTINGS: The successful vendor will provide Jefferson County with any applicable software or website access required to reach equipment diagnostics and parameter settings. Specify the process for obtaining this access, including all costs for any items or services needed.

_____ Will Comply _____ Can Not Comply _____ NA

IV. SERVICE ONLINE NETWORK/MANUALS/SPARE FILTERS: Successful vendor will delineate any applicable internet

access charges or OEM authorization fees charged to access dealer or OEM on-line service network pertaining to unit being sold. Additionally, all units will come with 2 each of: operator's, service, parts, electrical, diagnostic & set-up installation manuals and access to the dealer on-line service network with access to the items listed above, for specific equipment purchased.

_____ Will Comply

_____ Can Not Comply

Vendor Comment Area

BID SHEET

**EIGHT (8) NEW, 2026 MODEL,
TRUCK EQUIPMENT, PLOW EQUIPMENT & SETUP FOR QUAD AXLE TRUCKS**

List Make, Model, Year _____
Truck Equipment for Quad Axle Trucks.

Cost per truck for dual wing truck set up: Setup A

Supplying equipment listed, & set up dump box, PTO, dual wing, plow, hydraulics and setup for county owned v-box

Dump box & hoist material	\$ _____
PTO material	\$ _____
Hydraulics & controls	\$ _____
Lights & Electrical material	\$ _____
Plow	\$ _____
Wings (Dual Wing)	\$ _____
V-Box Setup (Used V-Box Supplied by County)	\$ _____

Total Cost per truck equipment & setup \$ _____

Combined total cost per truck (6 double wing trucks) \$ _____

Cost per truck for single wing truck set up: Setup B

Supplying equipment listed, & set up dump box, PTO, dual wing, plow, hydraulics and new brine wedge tank.

Dump box & hoist material	\$ _____
PTO material	\$ _____
Hydraulics & controls	\$ _____
Lights & Electrical material	\$ _____
Plow	\$ _____
Wings (Single Wing)	\$ _____
Brine Wedge Tank	\$ _____
Tailgate Spreader	\$ _____

Total Cost per truck equipment & setup \$ _____

Combined total cost per truck (2 single wing trucks) \$ _____

Total cost for all eight (8) truck equipment & setup \$ _____

Warranty Duration: _____

Delivery Timeframe: _____

Signature

Print Name and Title

Name of Contractor/Bidder

Date