



# ***GREEN LAKE COUNTY***

*571 County Road A, Green Lake, WI 54941*

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**Original Post Date: 10/02/2020**

**Amended\* Post Date:**

**The following documents are included in the packet for the Property and Insurance Committee on October 6, 2020:**

- 1) Agenda
- 2) Minutes from 09/01/2020
- 3) Highway Department Truck Purchase Requests
- 4) Maintenance Report



# GREEN LAKE COUNTY OFFICE OF THE COUNTY CLERK

Elizabeth Otto  
County Clerk

Office: 920-294-4005  
FAX: 920-294-4009

## Property & Insurance Committee Meeting Notice

**Date: October 6, 2020 Time: 4:30 PM**

**Location: Government Center, County Board Room, 571 County Road A, Green Lake WI**

### AGENDA

#### Committee Members

David Abendroth, Chair  
Charles Buss  
Patti Garro  
Richard Trochinski  
Keith Hess

Elizabeth Otto, Secretary

1. Call to Order
2. Certification of Open Meeting Law
3. Pledge of Allegiance
4. Approval of Minutes: 09/01/2020
5. Public Comment
6. Purchasing Requests for Highway Department Trucks
7. 2021 Insurance Updates
8. Maintenance Report
  - Buildings and Grounds Report
  - Monthly Activities
9. Committee Discussion
  - Future Meeting Dates: Regular Meeting 11/3/20 -4:30 PM
  - Future Agenda items for action & discussion
10. Adjourn

Due to the COVID-19 pandemic, this meeting will be conducted and available through in person attendance (6 ft. social distancing required) or audio/visual communication. Remote access can be obtained through the following link:

Join Zoom Meeting

<https://zoom.us/j/91565071158?pwd=RE5renp1YzY3UDRzS0tqZWFTemxCZz09>

Meeting ID: 915 6507 1158

Passcode: 498983

Dial by your location

+1 301 715 8592 US (Germantown)

+1 312 626 6799 US (Chicago)

Kindly arrange to be present, if unable to do so, please notify our office. Sincerely, Elizabeth Otto, County Clerk

**Please note: Meeting area is accessible to the physically disabled. Anyone planning to attend who needs visual or audio assistance, should contact the County Clerk's Office, 294-4005, not later than 3 days before date of the meeting.**

**PROPERTY AND INSURANCE COMMITTEE**  
**September 1, 2020**

The meeting of the Property and Insurance Committee was called to order by Chair Abendroth on Tuesday, September 1, 2020 at 4:30 PM in the Green Lake County Board Room, Green Lake County Government Center, 571 County Road A, Green Lake, WI. The meeting was held both in person and via Zoom due to the COVID-19 pandemic. Requirements of the open meeting law were certified as being met. The pledge of allegiance was recited.

Present: Dave Abendroth  
Chuck Buss  
Keith Hess  
Richard Trochinski

Absent: Patti Garro

Other County employees present: Dawn Klockow, Corporation Counsel (Zoom); Cathy Schmit, County Administrator (Zoom); Harley Reabe, County Board Chair; Scott Weir, Maintenance Supervisor; Sheriff Mark Podoll; Matt Vandekolk, Chief Deputy

**MINUTES**

*Motion/second (Hess/Buss)* to approve the minutes of August 4, 2020 with one correction. Motion carried with no negative vote.

**UPDATES ON 2021 BUDGETS**

County Clerk Liz Otto gave the committee an update on the requested telephone budget for 2021 and explained the overage for 2020 year to date. The invoices will be examined further and possibly charged to COVID relief due to higher than normal long distance charges.

**PARKING LOT MAINTENANCE BID**

One bid received from Wolf River Asphalt & Sealcoating, Inc. for \$22,450.00. Maintenance Supervisor Scott Weir informed the committee that \$23,000 was included in the 2020 Capital Outlay budget to complete this project. Discussion held.

*Motion/second (Hess/Trochinski)* to award the bid to Wolf River Asphalt & Sealcoating, Inc. for \$22,450.00. Ayes – Hess, Trochinski, Buss; Nays – Abendroth. Motion carried.

**MAINTENANCE REPORT**

- Building and Grounds Report – report accepted with no discussion
- Monthly Activities – report accepted with no discussion

**COMMITTEE DISCUSSION**

**Future Meeting Date:** October 6, 2020 at 4:30 PM.

**Future Agenda items for action & discussion:** Public comment

**ADJOURNMENT**

Chair Abendroth adjourned the meeting at 4:52 PM.

Submitted by,

Liz Otto  
County Clerk

DRAFT



# REQUEST FOR PURCHASE APPROVAL

## Item To Be Purchased:

- (1) Tri-Axle Cab & Chassis, and Truck Equipment with Delivery in 2021
- (1) Tri-Axle Cab & Chassis, and Truck Equipment with Delivery in 2022

Department: Highway

Account Number: 701-29-53281-810-000

Governing Committee: on 10/14/20 Hwy Committee Agenda

Governing Committee Approval Date:

P&I Approval Date:

## Reason for Purchase:

Because of the 8-9 months lead time for the truck equipment builders production schedule, and the cost increasing in January 2021, we are requesting P&I Committee approval prior to the Highway Committee approval on 10/14/20.

Due to timing constraints, the 1st Cab & Chassis and Truck Equipment is anticipated to be delivered sometime between September and mid October 2021, and the 2nd Cab & Chassis and Truck Equipment is anticipated to be delivered by mid January 2022.

The 2021 Highway Budget will reflect (1) Cab and Chassis with Truck Equipment, as will the 2022 Budget.

The County Administrator has also concurred with starting the bid processing to alleviate the timing constraints.

Cab and Chassis solicitation for price quotes (attached) were sent out to the following on 09/15/20:

Packer City International; Quality Truck Care Center; Truck Country; Kriete Group  
Fond Du Lac Truck Sales; Wisconsin Kenworth

Truck Equipment solicitation for price quotes (attached) were sent out to the following on 09/15/20:

Burke Truck & Equipment, Inc.; Casper's Truck Equipment; Monroe Truck Equipment;  
Truck Equipment, Inc.



# GREEN LAKE COUNTY HIGHWAY COMMISSIONER

Barry Mashuda  
Highway Commissioner

Office: 920-294-4060  
Fax: 920-294-4066  
Email: [bmashuda@co.green-lake.wi.us](mailto:bmashuda@co.green-lake.wi.us)

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## SOLICITATION FOR PRICE QUOTES

The Green Lake County Highway Department located at 570 South Street, Green Lake, WI will on Thursday, October 01, 2020 at 9:00 am be receiving and opening quotes for the following:

### TRI-AXLE CAB AND CHASSIS 2021 & 2022

- Quote openings begin at 9:00 am; quotes must be submitted by the specified opening time.
- Quotes must be submitted on the forms provided preferably with typed print.
- No facsimile or E-mail bids will be accepted
- Quotes must be marked “**Tri-Axle Cab and Chassis Bid 2021 & 2022**” on the lower left corner of envelope.
- Any quotes not meeting minimum specifications given will be rejected.
- The specifications stipulate the minimum acceptable requirements for good engineering design and performance. The specifications also establish the bidder’s responsibilities to furnish all necessary appurtenances in complete conformance with the requirements stated herein.
- Any item not mentioned in this specification which is required for satisfactory performance for these units shall be provided by the successful bidder with no additional reimbursement, even though it was not directly referred to in this bid.
- Request for additional information can be directed to:

#### Green Lake County Highway Commission

570 South Street  
Green Lake, WI 54941  
920-294-4060

[bmashuda@co.green-lake.wi.us](mailto:bmashuda@co.green-lake.wi.us)

Any and all bids will be considered whether they meet or exceed bid specifications. The Highway Commission reserves the right to reject any and all quotes and accept such quotes as may be most advantageous to Green Lake County. The successful bidder is responsible for making sure the Tri-Axle Cab and Chassis trucks meet specifications and delivery requirements as specified.

By Order of the Green Lake County Highway Commission.

Barry Mashuda  
Highway Commissioner

## MINIMUM SPECIFICATIONS FOR TRI-AXLE CAB AND CHASSIS

### WHEELBASE:

YES

NO

- 156" cab to trunnion
- 24" from back of rear tire to end of frame

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### FRAME:

- Integral front frame extension, a minimum of 20" (no bolt on)
- Tensile strength must be 120,000 lbs. or greater, to be full c-reinforced or ½" single rail frame for front suspension reinforcement for plow attachments. Must meet specs of 3.2 million lbs.

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### ENGINE:

- 450hp @ 1625 rpm with 1650 lb.-ft. of torque @ 1000 rpm, wet sleeved, and re-buildable
- Have adaptor for front mount pump
- Have emergency engine shut down capability
- Have engine block heater located under driver's door
- Have air restriction indicator gauge in cab
- Have 3 step engine brake (switch on dash)
- Have recommended DAVCO fuel water separator with heater

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### COOLING SYSTEM:

- Largest radiator designed with the PTO shaft going under, not through
- Cooling system should have extended life coolant
- Antifreeze level set at -34°
- Bug screen shall be installed between grill and radiator
- Must have shut off valves for heater hoses

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### TRANSMISSION:

- Shall be Allison 4500 series
- Cooling lines shall be fastened securely and not rubbing
- Transmission fluid should be synthetic
- Shift controls shall be mounted on dash
- Base warranty of 3 years on transmission

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### FRONT AXLE:

- Shall be set forward, rated at 20,000 lbs. or better
- No aluminum hubs
- Oil bathed bearing and seals, synthetic lube used in hubs with only Scott Seal Plus or STEMCO wheel seals

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### FRONT SPRING:

- Shall be 20,000 lbs. stacked leaf
- Non greasable spring pins only

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## MINIMUM SPECIFICATIONS FOR TRI-AXLE CAB AND CHASSIS

### **FRONT RIM AND TIRES:**

- Hub piloted steel or aluminum disc wheels rated for front axle capacity
- 425/65R22.5 20 ply steer tire with rating for front axle

**YES**

**NO**

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### **FRONT BRAKES:**

- S cam type with 16.5" by 6" shoes
- Meritor long stroke brake chambers
- Meritor slack adjusters
- Dust shields

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### **REAR AXLE AND SUSPENSION:**

- 46,000 lbs. capacity, Meritor Model RT-46-160
- 4.56 gear ratio
- Differential lock and power divider operated from cab
- 46,000 lbs. Hendrickson or Tuff Trac rear suspension with 54" or 56" axle spacing
- Scott Seal Plus or STEMCO wheel seals

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### **REAR WHEELS AND TIRES:**

- Mud and snow tubeless radials 14 ply 11R22.5
- 8.25 x 22.5 hub piloted steel disc

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### **REAR BRAKES:**

- S cam type with 16.5" x 7" shoes
- Haldex life seal rear brake chambers
- Meritor slack adjusters
- Chambers must be indexed from factory to clear for paving and shouldering operations
- Dust shields on all wheels

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### **FUEL TANK:**

- 100 US gallon aluminum tank with two steps on the outside of tank mounted on left side with stainless steel straps
- 13 gallon DEF tank under cab

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### **ELECTRICAL SYSTEM:**

- 12-volt system with 4 flooded batteries, mounted in stainless steel battery box, or under passenger seat. Batteries must be easily accessible and not interfere with pusher axle or plow equipment (check with plow equipment installer for best place)
- Battery cables must be full length, no splicing
- Alternator (160 amp DELCO 24 SI)
- Circuit breaker system shall have circuit for County 2-way radio, CB radio hook-up
- Set up for trailer towing, lights, electric brake
- Battery shut off mounted in cab under dash

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### **AIR SYSTEM:**

- Meritor WABCO 1200 plus air dryer with heater
- Dryer must be mounted for easy replacement of filter
- Manual drain valve on tanks
- Air brake controller for trailer hook-ups
- Glad hands in rear to hook up trailers with air brakes

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## MINIMUM SPECIFICATIONS FOR TRI-AXLE CAB AND CHASSIS

### HOOD:

- Fiberglass with inspection doors

YES

NO

### STEERING:

- Dual power steering gear. Must be rated for 20k lbs. or better

### MISCELLANEOUS:

- Must provide parts and service books for this unit, either in print or digital
- Must furnish all programs, equipment, and training to keep County technicians current in diagnostics and repair. Provide latest software for cab, chassis, engine, transmission, and ABS
- Provide schedule of software download and training 30 days after bid is awarded

### CAB:

- Air ride
- Highest output heater and air conditioning available
- Driver's seat air ride cloth high back with arm rest and lumbar support, passenger seat to match (no air ride)
- All windows to be tinted. Doors to have power windows
- Dual sun visors, intermittent wipers, washers
- Exterior grab handles on cab
- Dome light, map pockets
- Inside and outside hood air intake
- West Coast style mirrors heated with heated convex mirrors
- Right hand down view mirror
- Hood mounted heated mirrors. 8" heated on right side
- Deluxe interior (darkest color available)
- Exterior color Omaha orange
- Factory radio AM/FM with weather band, with auxiliary jack
- Tilt steering wheel, air horn
- Full instrument and gauges, volt gauge, no amp meter
- Rust proofed on all metal parts of cab
- Safety equipment: fire extinguisher 5lb., triangle kit
- Six factory installed switches, lighted in dash, easy to reach and read, with ergonomic dash wing
- The power module that the body company will tie into shall be located in the cab preferably behind the driver's seat
- Auxiliary wire harness switch for plow head lights
- Plow window in right passenger door

### EXHAUST SYSTEM:

- Horizontal muffler with vertical stainless steel stack on right side

## MINIMUM SPECIFICATIONS FOR TRI-AXLE CAB AND CHASSIS

### Steerable Pusher Axle:

13,200 lb. capacity; air ride and air lift; quick release and R12 relay valves; double poppet double solenoid operated electric air valve; single wheel hub pilot wheel set. Axle control must be located in control tower. Axle must lift when truck is placed in reverse and remain up until released by the operator. Additional air tank to be provided for extra air capacity. Axle must have coil over shock steering stabilizers. 11' 6" rear axle group spacing required. Pusher Axle control to be coordinated with the plow equipment supplier so that the control switch is located in the plow control tower.

### WARRANTY:

#### YES

#### NO

- Responsible for pick-up and delivery back to Green Lake County, with three year base truck 100,000 mile warranty
- Seven year 250,000 mile engine warranty including water pump, injectors, and turbo
- Seven year 250,000 mile after treatment extended warranty
- All warranties to have a \$0.00 deductible

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### DELIVERY:

- First Tri-Axle Cab and Chassis on or before March 15, 2021
- Second Tri-Axle Cab and Chassis on or before August 15, 2022

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### PRICING

Base Tri-Axle Cab and Chassis price as per specifications including delivery in 2021

\$ \_\_\_\_\_

Base Tri-Axle Cab and Chassis price as per specifications including delivery in 2022

\$ \_\_\_\_\_

**Total Tri-Axle Cab and Chassis package price including delivery for 2021 and 2022**

\$ \_\_\_\_\_

**TRI-AXLE CAB AND CHASSIS**

**BIDDER SIGNATURE PAGE**

**By signing below you are certifying that you meet or exceed all stated requirements for  
Two Tri-Axle Cab and Chassis**

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Email: \_\_\_\_\_

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_



# GREEN LAKE COUNTY HIGHWAY COMMISSIONER

Barry Mashuda  
Highway Commissioner

Office: 920-294-4060  
Fax: 920-294-4066  
Email: [bmashuda@co.green-lake.wi.us](mailto:bmashuda@co.green-lake.wi.us)

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## SOLICITATION FOR PRICE QUOTES

The Green Lake County Highway Department located at 570 South Street, Green Lake, WI will on Thursday October 01, 2020 at 9:00 am be receiving and opening quotes for the following:

### TRI-AXLE PLOW EQUIPMENT 2021 & 2022

- Quote openings begin at 1:00 pm; quotes must be submitted by the specified opening time.
- Quotes must be submitted on the forms provided preferably with typed print.
- No facsimile or E-mail bids will be accepted
- Quotes must be marked “**Tri-Axle Plow Equipment Bid 2021 & 2022**” on the lower left corner of envelope.
- Any quotes not meeting minimum specifications given will be rejected.
- The specifications stipulate the minimum acceptable requirements for good engineering design and performance. The specifications also establish the bidder’s responsibilities to furnish all necessary appurtenances in complete conformance with the requirements stated herein.
- Any item not mentioned in this specification which is required for satisfactory performance shall be provided by the successful bidder with no additional reimbursement, even though it was not directly referred to in this bid.
- Request for additional information can be directed to:

**Green Lake County Highway Commission**  
570 South Street  
Green Lake, WI 54941  
920-294-4060  
[bmashuda@co.green-lake.wi.us](mailto:bmashuda@co.green-lake.wi.us)

Any and all bids will be considered whether they meet or exceed bid specifications. The Highway Commission reserves the right to reject any and all quotes and accept such quotes as may be most advantageous to Green Lake County. The successful bidder is responsible for making sure the Plow Equipment meets specifications and delivery requirements as specified.

By Order of the Green Lake County Highway Commission.

*Barry Mashuda*

Barry Mashuda  
Highway Commissioner

## **MINIMUM SPECIFICATIONS FOR TRI-AXLE PLOW EQUIPMENT**

The purpose of the attached specifications is to describe a new equipment package to be installed on a new tri-axle chassis with a 156" CT being purchased by Green Lake County Highway Department. The truck equipment package shall include dump body and hoist; central hydraulic system; reversible front snow plow; front mount patrol wing; rear tailgate sander; and other related accessories as detailed within. Descriptive literature for equipment and warranty statements shall be included and shall be considered part of the bid. These specifications are meant to provide a minimum performance and quality standard acceptable to the Green Lake County Highway Commission. Green Lake County Highway Commission reserves the right to include a pre-build and pre-paint inspections/meetings at the installer's location. The Green Lake County Highway Commission reserves the right to accept or reject any or all bids.

### **ASPHALT DUMP BODY AND HOIST**

#### **General:**

Interior dimensions: 17' 6" x 84" western style cross member less understructure design. Body to be 100% welded.

#### **Sides and Front:**

Constructed of 3/16" AR450 steel with a 200,000 psi tensile strength, and 150,000 psi yield strength. 62" front to 52" rear integral sloped sides (no welds on sides). Top rail to be fully boxed with integral dirt shedding design (no add on angle iron). Full depth rear corner posts to be constructed of 7 gauge 304 stainless steel, and having sloped dirt-shedding design. Full length fender made of 8 gauge 100XF steel. The front shall be sloped for installation of reservoir and valve enclosure. Shall not have a dog house at floor level.

#### **Tailgate:**

52" sloped asphalt tailgate constructed of 3/16" AR450 steel with a 200,000 psi tensile strength and 150,000 psi yield strength. Full boxed perimeter; single panel horizontal pressed in brace to prevent cracking of welds and rust through of cavities. Integral peaked top (no add on angle iron). Top hinge plate 1.5" thick with 1.25" grease-able pins. 1" thick tailgate latch fingers. Air trip release with 3.5" cylinder, closed-closed system. 3/8" high strength spreader chains. Center top mounted lifting loop. Asphalt tail (below floor) to be constructed of 7 gauge 304 stainless steel.

#### **Floor:**

Construction of 1/4" AR450 steel with a 200,000 psi tensile strength and a 150,000 psi yield strength. 18" side to floor radius for easy clean out. A Cougar DC3200 electric vibrator shall be installed under the body and include reinforced floor section.

#### **Cab Shield:**

1/2" cab shield, made of 10 gauge minimum steel, 100% welded to front wall of dump body. Exhaust stack must clear cab protector.

#### **Lights:**

FMVSS 108 lights and reflectors shall be installed in the dump body with all to be LED style lights. The LED lights shall be installed at the rear between the chassis frame rails. The lighting shall incorporate a heavy-duty weatherproof wiring harness and junction box to be installed on **cross member at trunnion area and have anti-corrosion protection**. All LED lights to have diffused lenses to allow for a minimum 35° viewing angle.

#### **Body Accessories:**

Body shall include a full-length grip strut walk rail on each side of the body. There shall be two additional grip strut steps above the walk rail at each rear corner. Grab handle shall be installed alongside the body steps. There shall be one step bolted inside of the dump body at the driver side rear corner. There shall be one fork and ring style shovel holder installed at the front of the body. Two pair of heavy-duty rubber mud flaps shall be provided, one pair behind the rear tires removable with hinged and pin brackets, and one pair frame mounted ahead of the rear tires secured by anti-sail brackets, and one pair ahead of tag axle.

## **MINIMUM SPECIFICATIONS FOR TRI-AXLE PLOW EQUIPMENT**

### **Preparation and Paint:**

After installation and add on of all welded accessories, the body shall be shot-blasted, washed and finished with baked on powder coat finish. The underside of dump body to be fully undercoated. Green Lake County Highway Commission reserves the right for a pre-paint inspection. Call prior to painting.

### **Hoist:**

Trunnion mount inverted double acting front telescopic hoist. Minimum NTEA class 120 rating. Minimum of 6" hard chromed cylinder, 3 stage, and 153" stroke. Floating front cradle. Rear hinge assembly to incorporate greaseless composite Teflon bushings with removable stainless steel pins. Two body safety props, OSHA approved, mounted to provide 6' chassis frame to bottom of body clearance at front. Body up safety light in cab and OSHA approved electric back-up alarm. Hoist pull off valve to be incorporated into system to limit hoist dump angle.

### **Warranty:**

5 year parts and labor on body and hoist. First three years 100%, last two years 50/50 parts and labor.

## **CENTRAL HYDRAULIC SYSTEM**

### **General:**

The central hydraulic system shall be a front mount load-sense system. Must have a qualified technician available 24 hours a day and seven days a week during the winter months that can be at our location within 4 hours for emergency repairs. Bidder shall have stock of all hydraulic controls bid that would be available for same day pickup.

### **Pump:**

Pump shall be a pressure compensated piston pump with minimum 6.1 cubic inch displacement. Pump shall be rated for minimum 2700 rpm and 3600 psi pressure. The pump shall be mounted between the front frame rails of the chassis on a fabricated steel bracket that is bolted to the chassis frame. There shall be a 1" ball valve at the outlet of the pump. A Spicer 1310 or equivalent driveline shall drive the pump.

### **Oil Reservoir:**

The oil reservoir shall be a minimum 40 gallon capacity with internal baffles, and mounted above the frame and shall include a basket type filler breather cap, magnetic drain plug, 2" NPT suction port screen filter, and an external sight temperature gauge. This tank will be made from stainless steel. The reservoir shall be sloped to work in conjunction with front of the sloped front body. An in tank 10 microns return line filter with condition gauge shall be mounted in the reservoir. There shall be an in-line check valve in the return line to allow for filter servicing without oil leakage. There shall be a separate return line port for the pump control drain line.

### **Control Valve:**

The hydraulic control valve shall be US manufactured, electrically activated load-sensing manifold style valve. The valve shall be mounted in a weatherproof stainless steel enclosure and shall be sloped to work in conjunction with front of the sloped front body. Valves required for operating hoist (40 gpm), double acting with body-up limit switch for body cylinder, plow raise, double acting plow angle, independent double acting toe and heel wing operation, sander sections, and liquid section.

### **Hoist/Plow/Wing Control:**

The individual joysticks shall communicate through a Can Buss communications system both inside and outside the cab. Force America Ultra shall be the only accepted control.

### **Spreader Control:**

Spreader control shall be a Can Buss communication system both inside and outside the cab closed loop ground speed orientated control system. Force America Ultra shall be the only accepted control. Chassis dealer to provide 6 pack of switches with wired run to back of cab.

## MINIMUM SPECIFICATIONS FOR TRI-AXLE PLOW EQUIPMENT

### **Front Hoses and Fittings:**

Hoses must be sized accordingly to provide optimum performance of all equipment, JIC and ORB fittings required. All quick couplers for plow and wing.

### **Rear Hoses and Fittings:**

Hoses must be sized accordingly to provide optimum performance of all equipment, JIC and ORB fittings required. Spacing for all hydraulic fittings at rear of truck for salter, spinner and pre-wet system must have 3" spacing between each fitting and include dust caps and plugs for protection. Location of bulkhead fitting must be below hinge point and mounted in hitch plate.

### **Piping:**

All hydraulic lines including the high pressure lines shall be stainless steel with stainless steel fittings on hard piping only.

### **List Exceptions:**

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## **FRONT PLOW AND PLOW HITCH**

### **General:**

All weld on moldboard and push frame to be 100% continuous welds.

### **Moldboard:**

12' long x 55" high. Roll formed 10 gauge A569 steel. Integral shield. 4" x 4" x 3/4" structural angle bottom angle. 2" x 3" x 3/8" structural angle top angle. Minimum of six 1/2" thick one piece tapered flame cut ribs. Horizontal moldboard angle iron braces. Adjustable to minimum of three different pitch settings. 18" rubber snow deflector with metal mounting strap bolted to top angle. 42" orange cable markers shall be installed at moldboard ends.

### **Cutting Edge:**

3/4" x 6" x 12' carbide with cover blade, wrap around curb guards.

### **Trip Mechanism:**

Dual compression spring full moldboard trip with heavy duty 3/4" diameter trip springs.

**Reverse Table:** 4" x 4" x 3/8" front cross tube support with 4 attaching points to moldboard. 3 1/2" x 3 1/2" x 1/2" one piece structural angle semi-circle. 4" ship and car channel A-frame. Two 3" x 10" double acting reverse cylinders with nitrided rods. Screw adjustable parking jack.

**Hitch Attachment:** Loop style.

### **Preparation and Paint:**

The entire plow assembly shall be shot-blasted, washed and finished with baked on powder coat finish. Moldboard orange, push-frame black.

## MINIMUM SPECIFICATIONS FOR TRI-AXLE PLOW EQUIPMENT

### List Exceptions:

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### FRONT PORTION PLOW HITCH

#### General:

QCP pin style loop receiver hitch. Front plow must overlap wing moldboard to prevent wind row between plow and wing.

#### Construction:

Hitch shall be custom built to the truck and designed to transmit plowing forces directly to the chassis frame rails. The hitch side plates shall be a minimum of ½" thick steel. There shall be a 4" x 4" x ½" structural steel tube perimeter and top cross bar. There shall be 1" x 3" steel thrust arms attached to both the side plates and chassis frame at an angle to provide extra push reinforcement. The lower hinge pivot bolt shall be a minimum of 1.5" diameter hardened grade 8 bolt. Hitch assembly must be removable and include custom brackets to allow the OEM truck bumper to be mounted back on the truck for summer use. All tubes will be capped with 100% welded steel. Cushion valve to be mounted to chassis portion of the hitch.

#### Lift and Tilt Cylinder:

4" x 10" double acting lift cylinder with nitrided rod.

#### Paint: Black

### List Exceptions:

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### FRONT MOUNT PATROL WING

#### General:

Double function **full trip** design. All welds to be 100% continuous welds.

#### Moldboard:

29" toe to 39" heel tapered moldboard of 3/16" thick. 4" x 4" x ¾" structural angle bottom angle reinforced with 3" x 3" x ½" gussets. 2 ½" x 1" formed top angle. Minimum 6 vertical ½" thick one piece tapered ribs. Angle iron horizontal reinforcement between ribs. Orange marker at wing heel.

#### Cutting Edge:

¾" x 6" x 9" carbide with cover blade, wrap around curb guards.



## MINIMUM SPECIFICATIONS FOR TRI-AXLE PLOW EQUIPMENT

### **Push Arms:**

Two heavy-duty adjustable spring cushioned push arms. 3" outer tube with 2 ½" solid inner shaft. Adjustable length to maintain 90° angle to moldboard. Push arms to allow for full trip moldboard. Grip strut steps welded to wing push arms to allow for safe entry to the passenger door of cab.

### **Front Head Assembly:**

Shall be a trailing arm design head assembly. Arms perpendicular to truck frame not acceptable. 36" florescent orange marker on head assembly. Chain attached to front of wing moldboard to prevent wing toe from going below grade.

### **Rear Wing Support:**

Head of rear wing support to be removable for summer time use. There shall be a safety chain at the rear mount to secure the wing in the upright travel position. Heavy duty rear wing stop with rubber block shall be provided at the rear mount to make contact with the push arms.

### **Preparation and Paint:**

Complete wing to be shot-blasted, washed and finished with baked on powder coat paint. Moldboard orange, all mounting hardware black.

### **List Exceptions:**

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## **TAILGATE SPREADER**

**General:** Spreader brackets to be bolted to body

### **Trough Assembly:**

Minimum 7 gauge 304 stainless steel with ¼" endplates. Quick detach mounting brackets incorporated into endplates with mating portion welded to body corner posts. Full opening top and bottom clean out with hinged upper lid and hinged lower trough.

## MINIMUM SPECIFICATIONS FOR TRI-AXLE PLOW EQUIPMENT

### **Auger:**

6" diameter with one-way flighting. Auger to be direct driven by low speed high torque orbital motor. There shall be an 18" long anti flow plate cover over the auger at the discharge opening.

### **Spinner Assembly:**

Mounted independent of the bottom trough of spreader. Easy one-man mount/dismount design. 18" diameter poly spinner disc directly driven by hydraulic motor. Spinner shield

### **Tailgate Shields:**

Stainless steel spill shields of removable design shall be installed full height of the dump body tailgate. They shall be removable without the use of tools. The spill shields shall also serve as a tailgate hold open kit.

### **Liquid Pre-Wet System:**

140 gallon tailgate mounted poly tank with stainless steel brackets. Tank shall have integral anti-slosh baffles and two 5" top openings. Bronze gear pump, 7 gpm at 50 psi, 12 volt PWM proportional flow divider, all within sealed NEMA fiberglass enclosure. Two 2 gpm spray nozzles mounted at spreader spinner with half-moon plate. Strainer and hoses for applying liquid. Shall include bulk fill kit with cam lock couplers. Shall include flush kit with ball valve and suction hose.

### **List Exceptions:**

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## **OTHER SPECIFICATIONS**

**Steerable Pusher Axle:** Pusher axle control to be coordinated with the cab and chassis supplier so that the control switch is located in the plow control tower.

### **Toolbox:**

Buyers brand, part number 1705101, 18" aluminum toolbox on left hand frame rail.

### **Tarp System:**

Fully automatic electric tarp shall be installed on the body. Heavy-duty motor with three year warranty. Steel side arms. Asphalt treated tarp material. In cab switch.

### **Rear Hitch:**

1" thick steel pull plate welded into rear of chassis frame; Premier Saf-Tite 100 pintle hook **mounted 26" from ground to inside pintle hook**; 3/4" safety chain D-rings; painted black. Electric brake control shall be provided with 7 prong RV plug. Plate not to interfere with paver and shouldering machine. Contact county for dimensions.

### **ID Numbers:**

The body installer shall weld county designated identification numbers to the plow, wing, spreader and any other removable item that the county deems necessary.

## MINIMUM SPECIFICATIONS FOR TRI-AXLE PLOW EQUIPMENT

### **Lighting:**

All lights as described previously plus:

- JW Speaker 9800 Heated LED plow lights with directional signals mounted to chassis hood with custom three point stainless brackets, with heated hood mirrors
- Work light for spreader; Buyers 1492116 amber
- Work light for wing; Buyers 1492116 white
- Wing light mounted on heel of moldboard, Whelen RSA03ZCR
- Whelen LED model R1LPPA, cab shield mounted on self-level bracket
- Two mirror mounted Ecco LED 7945A strobes
- Wiring for cab shield mounted lights to be run through sturdy conduit
- Stop/turn/tail lights, amber strobe lights, and clear reverse lights to be recessed in the rear posts of the dump body  
All lights to be LED with diffused lenses
- One auxiliary work light wired into chassis reverse lights, Buyers 1492116 white
- All wiring to be soldered and heat shrunk and enclosed in sealed junction box at the trunnion cross member
- All wiring connections to have Weather Pack connectors, with anti-corrosion protection
- Locations of all lights and wiring subject to county approval

### **Electrical Enclosure:**

Sealed fiberglass enclosure incorporated into sloped valve enclosure assembly shall house all electrical solenoids, relays, circuit breakers along with lift axle valving.

### **Manuals:**

Parts and service manuals including electrical schematics for all items shall be provided in bound book upon delivery of the completed units.

### **Training:**

Equipment installer to provide operator and mechanic training on operation of all equipment upon delivery of completed units. Equipment installer to calibrate granular and liquid systems at time of delivery.

### **Warranty:**

Minimum full two winter season parts and labor on all equipment. Body and hoist to carry five year warranty. Bidder must include warranty statements. Bidder will be responsible for pick-up and delivery back to Green Lake County Highway Department shop.

### **List Exceptions:**

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## MINIMUM SPECIFICATIONS FOR TRI-AXLE PLOW EQUIPMENT

### **DELIVERY:**

- First Tri-Axle Plow Equipment package on or before October 15, 2021
- Second Tri-Axle Plow Equipment package on or before January 15, 2022

### **PRICING**

Base Tri-Axle Plow Equipment package price as per specifications  
including delivery in 2021

\$ \_\_\_\_\_

Base Tri-Axle Plow Equipment package price as per specifications  
including delivery in 2022

\$ \_\_\_\_\_

**Total Tri-Axle Plow Equipment package price  
including delivery for 2021 and 2022**

**\$ \_\_\_\_\_**

### **BIDDER SIGNATURE**

**By signing below you are certifying that you meet or exceed all stated requirements for  
Two Tri-Axle Plow Equipment:**

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Email: \_\_\_\_\_

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

October 06, 2020  
Property & Insurance Committee  
Monthly Report  
Green Lake County Maintenance Department

571 County Road A

Report of door 16 lockset would not turn and hard to get key in and out/checked –lubed had correct staff member test – Corrections

Converted 4' light fixture to LED pre book cell #4 - Corrections

Report of door 1501 Unit N chase door lock assembly spins when turning key/checked with corrections staff member cylinder did not spin with repeated tests – Corrections

Unplugged sink in Unit B cell 9/10 – Corrections

Unplugged front shower drain Unit L – Corrections

Unplugged toilet Unit A/female sanitary products – Corrections

Report of jail washing machine is not functioning showing error message/checked turned off and on to reset – Corrections

Report of washing machine on left not draining in Huber male locker room – found pc's of plastic in pump drain line - Corrections

Converted 2'x2' light fixture to LED unit K - Corrections

Reset freezer temperature. to lower per request of new outside vendor manager – Corrections

Request to replace lamps in fixture rec #4 cell – was told control switch not working on computer in Master Control – Corrections

Report of smell gas odor in kitchen area checked found floor drain traps dry - Corrections

Replaced lamp in fixture Huber entrance - Corrections

Installed (2) digital monitor reading displays for vaccine storage refrigerators and freezer – HHS

Report of screw stripped out of magnet strip for shower door Unit D/drilled new hole for magnetic strip and secured – Corrections

Replaced 2'x2' florescent light fixture with LED unit above stairwell Unit E – Corrections

Report kitchen cannot get dry storage area lock to open/check cleaned foreign material that was packed inside and blocking tumblers – Corrections

Report of big bang on roof above MC – Called in-came in on Saturday p.m. found dead sea gal on roof 09/06/20 – Corrections

Request to repair door #9 would not open without pulling on it – Checked had Master Control run 3 cycles in auto operated as designed - Corrections

Report of new dishwasher is not working properly the wash cycle was not working at all – checked found possible pump bad in conjunction with valve -vendor of machine was contacted by corrections – Corrections

Called in saying no power in facility but power in communications-came in emergency generator running and operating all areas as designed 09/07/20 - Communications

Report of urinal flush not working 2<sup>nd</sup> floor men's restroom – Cleaned flush valve/tested – HHS

Relocate storage containers from coat rack area to storage area - HHS

Repaired arm on new office chair room #1213 – SO

Replaced lamp in fixture on main bench back work area – IT

Disposed of 4 office chairs per request - DA  
Ran approx. 200' of Cat 6 to Courtroom 2 for state microphone recording - CRTS  
Ran approx. 100' of Cat 6 to Courtroom 1 for state microphone recording - CRTS  
Rearrange environments in open office area per request - UWEX  
Set up Training Room for 09/23/20 - UWEX  
Set up Training Room for 09/22/20 - ROD  
Replaced lamp in fixture staff entrance - COC  
Replaced faded state flag facility entrance  
Portable fire extinguishers annual maintenance/certification performed 09/03/20 - Fire & Safety  
Replaced worn drive belt on OAHP2 Exhaust Air drive  
New software/firmware installed for HVAC System Control 09/02/20 3.33 to 3.40  
Converted 4 security lights parking area to LED  
Replaced expired control board OAHP2  
Crack fill/seal coating/stripping completed on facilities parking/drives week of 09/14/20  
Scheduled Maintenance performed  
General Maintenance performed

#### Lake Steel Street

Replaced seal in hot water valve/slop sink - Food Pantry  
Replaced expired west torsion spring on overhead door - Maint. Garage  
Scheduled Maintenance performed  
General Maintenance performed

#### Towers

##### Princeton

##### Markesan

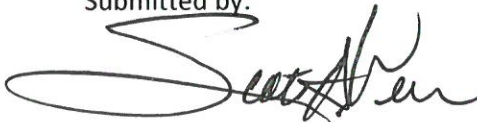
Kingston - Replaced expired battery in emergency generator/bad cell- would not accept charge  
08/31/20/battery was only 11 months old

##### Berlin

##### Green Lake

All locations generator motor oil changed  
Scheduled Maintenance performed  
General Maintenance performed

Submitted by:

A handwritten signature in black ink, appearing to read "Scott A. Weir", written over a horizontal line.

Scott A. Weir  
Maintenance Director/Parks Director  
Green Lake County