

**BOARD OF COMMISSIONERS  
SARPY COUNTY, NEBRASKA**

**2011-218**

**RESOLUTION AWARDING BID FOR TWO (2) - FOURTEEN FOOT (14') DUMP BODIES  
WITH HYDRAULIC SYSTEMS FOR THE PUBLIC WORKS DEPARTMENT**

11/001553

WHEREAS, pursuant to Neb. Rev. Stat. §23-104 (Reissue 2007), the County has the power to do all acts in relation to the concerns of the County necessary to the exercise of its corporate powers; and,

WHEREAS, pursuant to Neb. Rev. Stat. §23-103 (Reissue 2007), the powers of the County as a body are exercised by the County Board; and,

WHEREAS, bids for two fourteen foot dump bodies with hydraulic systems have been solicited, made, opened and reviewed pursuant to applicable Nebraska State Statutes; and,

WHEREAS, based on those proceedings, and after a public hearing, this Board has duly deliberated and considered the bids received; and,

WHEREAS, this Board desires to proceed forthwith in order to expedite and facilitate service to the citizens of Sarpy County.

NOW, THEREFORE, BE IT RESOLVED BY THIS BOARD OF COUNTY COMMISSIONERS THAT:

- (1) Based upon the recommendation of the Purchasing Department, and upon a comparison of the bids to the bid specifications, the bid is hereby awarded to the low bidder Northern Truck Equipment Corp. for Two (2) - Fourteen Foot (14') Dump Bodies with Hydraulic Systems in the amount of Seventy Seven Thousand Seven Hundred Fourteen Dollars and No Cents (\$77,714.00) accepted, ratified, and confirmed.
- (2) This Board's Chairman, Clerk, and Attorney are hereby authorized and directed to execute such ancillary documents as may be required to evidence the contract and take any and all steps necessary or required in order to carry out the terms of such contract after said documents have been reviewed by the Attorney, Fiscal Administrator, and County Administrator.

Dated this 12<sup>th</sup> day of July, 2011.

Moved by Jim Thompson, and seconded by Jim Nekuda, that the above Resolution be adopted.  
Carried.

YEAS:

Jim Nekuda

Jim Wane

Jim Nekuda

Tom Kichul

NAYS:

none

\_\_\_\_\_

\_\_\_\_\_

ABSENT:

Rusty Hike

\_\_\_\_\_

ABSTAIN:

none

\_\_\_\_\_

Attest:

Debra Houghtaling

Sarpy County Clerk



## Beth Cunard

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**From:** Rich Weber  
**Sent:** Thursday, June 30, 2011 6:25 AM  
**To:** Beth Cunard  
**Cc:** Denny Wilson; Pat Clarke  
**Subject:** 14ft. dump body

Beth,

After reviewing the three Dump Body with Hydraulics bids with Pat Clarke I would like to recommend that the Public Works Department purchase the low bid from Northern Truck Equipment for the purchase price of \$77,714 for two units. If you have any questions please give me a call

Rich

***Rich Weber  
Highway Superintendent  
Sarpy County Public Works  
15100 so 84th st  
Papillion Ne, 68046-4627  
Office 402-537-6912  
Cell 402-689-0888***

# SARPY COUNTY

## FLEET SERVICE DEPARTMENT

15100 SOUTH 84<sup>TH</sup> STREET  
PAPILLION, NE 68046  
Phone 402-537-6982  
FAX 402-537-6999

FLEET MANAGER  
Patrick Clarke  
pclarke@sarpy.com

Date: June 28, 2011

To: Beth Cunard, Rich Weber  
From: Patrick Clarke  
Ref: 2011 Highway dump body with hydraulic systems bids

I have reviewed the three bids for the 14 foot dump body with hydraulics for the new Public Works Department Tandem axle chassis. All the bids were acceptable and had some exceptions. I would recommend that we purchase the low bid of \$77,714 from Northern Truck Equipment for the two Crysteel Select dump bodies with hydraulic system.

Any question please call

Two (2) - Fourteen Foot (14') Dump Body with Hydraulic System  
for the  
Sarpy County Public Works Department

Bid Opening:  
2:00 P.M., Thursday,  
June 9, 2011

	<b>Aspen Equipment Co.</b>	<b>Palfleet Truck Equipment Co.</b>	<b>Northern Truck Equipment Co.</b>
Unit Price	\$45,765.00	\$41,736.00	\$38,857.00
<b>Extended Price</b>	<b>\$91,530.00</b>	<b>\$83,472.00</b>	<b>\$77,714.00</b>
Make	Henderson	Bibeau	Crysteel
Model	Mark E	BMT-400	Select
Year	2011	2011	2011
Delivery Date	90 Days	90-120 Days	120 Days

# **SPECIFICATIONS**

**Two (2) - 2011 - Fourteen Foot (14')  
Dump Body with Hydraulic System  
For the  
Public Works Department**

**SARPY COUNTY, NEBRASKA**

**PROPOSALS DUE: 2:00 p.m., Thursday, June 9, 2011**

## General Information

### Notice to Vendors

Sarpy County is seeking proposals for Two (2) - 2011 - Fourteen Foot (14') Dump Body with Hydraulic System mounted on a 64,000 GVWR Tandem Axle Cab Chassis for the Sarpy County Public Works Department.

Sealed bids will be received Monday through Friday 8:00 a.m. to 4:45 p.m. except holidays, until 2:00 p.m., Thursday, June 9, 2011. Bids shall be in a sealed envelope, clearly marked "Sealed Bid - Two (2) - 2011 - Fourteen Foot (14') Dump Body with Hydraulic System" and shall have the name of the Vendor, and the time and date of the bid opening. **Do not fax bids, only sealed bids will be accepted.**

**Submit one (1) original and three (3) copies of the entire Bid Form including attachments.**

**Requests for information and clarification questions must be received by June 3, 2011 at 12:00 P.M. in order for Sarpy County to have time to issue an addendum.**

Bidding criteria must be received from Beth Cunard, Purchaser, 1210 Golden Gate Drive, Papillion, NE 68046, (402) 593-4476, bcunard@sarpy.com or via the internet at [www.sarpy.com](http://www.sarpy.com).

Vendors that obtain specifications from the internet sites are responsible for obtaining any addenda that may be added at a later time.

Bids must be sent to:

Deb Houghtaling  
Sarpy County Clerk's Office  
1210 Golden Gate Drive  
Papillion, NE 68046

Bids not addressed and delivered to the above person will not be considered. Bids received after the above stated time and date will not be considered.

Bid opening will be a public opening to be held in the Sarpy County Administrative Conference Room at 1210 Golden Gate Drive, Papillion, NE. The bid opening will be at 2:00 p.m., Thursday, June 9, 2011.

All bids submitted shall be valid for a period of sixty (60) days following the final date for submission of bids.

Sarpy County will not be liable for costs incurred by Vendors for proposal preparation, printing, demonstration, or any other costs associated with or incurred in reliance on proposal creation. All such costs shall be the responsibility of the Vendor.

The bids shall include all charges and applicable taxes, F.O.B., 15100 S 84<sup>th</sup> Street, Papillion, Nebraska. The Vendor need not include sales tax in the bid. Sarpy County will, upon request, furnish the successful Vendor with a completed State of Nebraska Tax Exempt Form 13 upon acceptance of the successful Vendor's proposal.

The Sarpy County Board of Commissioners reserves the right to reject any or all bids and to waive minor informalities.

In the event of conflict between unit price and extended price, unit price shall prevail.

### **Procedures for Evaluation and Awarding of Bid**

1. Evaluation will be done by Beth Cunard, Sarpy County Purchaser along with personnel from Fleet Services and the Public Works Department. After evaluation the Purchaser will make a recommendation to the County Board of Commissioners for award. This recommendation and pending award will be made at a public meeting of the Board of Commissioners. Agendas are available each Friday afternoon on our internet site [www.sarpy.com](http://www.sarpy.com). The Commissioners award the bid by majority vote.
2. The following factors will be used to consider the award of the bid, where applicable:
  - a. Compliance with all requirements.
  - b. Price.
  - c. The ability, capability, and skills of the Vendor to perform.
  - d. The character, integrity, reputation, judgment, experience, and efficiency of the Vendor.
  - e. The quality of previous performance.
  - f. Whether the Vendor can perform within the time specified.
  - g. The previous and existing compliance of the supplier with laws.
  - h. The life-cost of the personal property or services in relation to the purchase price and specified use.
  - i. The performance of the personal property or service taking into consideration any commonly accepted tests and standards of product, service, usability and user requirements.
  - j. The energy efficiency ratio as stated by the supplier.
  - k. The life-cycle costs between alternatives for all classes of equipment, the evidence of expected life, the repair and maintenance costs, and the energy consumption on a per year basis.
  - l. Such other information as may be secured having a bearing on the decision.

### **Terms and Conditions:**

1. Information, Discussion, and Disclosures:
  - a. Any information provided by Sarpy County to any Vendor prior to the release of this Request for Proposal ("RFP"), verbally or in writing, is considered

preliminary and is not binding on Sarpy County.

- b. The Vendor must not make available nor discuss any cost information contained in the sealed copy of the proposal to or with any employee of Sarpy County from the date of issuance of this RFP until the contract award has been announced, unless allowed by the Sarpy County Purchasing Department in writing for the purpose of clarification or evaluation.
- c. No interpretation of the meaning of the specifications, or other bidding documents, nor correction of any ambiguity, inconsistency, or error therein will be made orally to any Vendor.
- d. Every request for such interpretation or correction should be in writing, addressed to the Sarpy County Purchaser, Beth Cunard, 1210 Golden Gate Drive, Papillion, NE 68046 or bcunard@sarpy.com. **Requests must be received by 12:00 p.m., June 3, 2011 in order for Sarpy County to have time to issue an addendum. Requests received after deadline may not be considered.** In case Sarpy County finds it expedient to supplement, modify, or interpret any portion of the bidding documents prior to the proposed bid date, such procedure will be accomplished by the issuance of written addenda to the RFP which will be mailed or delivered to all prospective Vendors at the respective addresses furnished for such purpose.

2. Addenda:

- a. All addenda will become part of this RFP and must be responded to by each Vendor.
- b. All addenda must be acknowledged in writing in the bid submitted by the Vendor.
- c. This RFP, any subsequent addenda, and any written responses to questions take precedence over any information previously provided.

3. Confidentiality of Documents:

Sarpy County considers all information, documentation and other materials requested to be submitted in response to this proposal to be of a non-confidential and/or non-proprietary nature and therefore shall be subject to public disclosure under Neb. Rev. Stat. § 84-712.05(3).

Vendors are hereby notified that Sarpy County strictly adheres to all statutes, court decisions, and opinions of the Nebraska Attorney General with respect to disclosure of RFP information.

Any "proprietary, trade secret, or confidential commercial or financial" information

must be clearly identified, in a separate sealed envelope, at the time of bid/proposal submission. The Vendor will be required to fully defend, in all forums, Sarpy County's refusal to produce such information; otherwise, Sarpy County will make such information public.

4. Non-Discrimination Clause:

Pursuant to Neb. Rev. Stat. §73-102 (Reissue 1996), Vendor declares, promises, and warrants it has and will continue to comply fully with Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C.A. §1985, et seq.), and the Nebraska Fair Employment Practice Act, Neb. Rev. Stat. §48-1101, et seq. (Reissue 2004), in that there shall be no discrimination against any employee who is employed in the performance of this Contract, or against any applicant for such employment, because of age, color, national origin, race, religion, creed, disability or sex.

5. Conflict of Interest Clause:

Pursuant to Neb Rev. Stat. §23-3113 (Reissue 1997), the parties hereto declare and affirm that no officer, member, or employee of the County, and no member of its governing body, and no other public official of the County who exercises any functions or responsibilities in the review or approval of the undertaking described in this Contract, or the performing of services pursuant to this Contract, shall participate in any decision relating to this Contract which affects his or her personal interest, or any corporation, partnership, or association in which he or she is directly or indirectly interested; nor shall any employee of the County, nor any member of its governing body, have any interest, direct or indirect, in this Contract or the proceeds thereof.

6. Payment Terms:

The successful Vendor shall submit an itemized invoice for payment. Sarpy County will make payment to the successful Vendor within thirty (30) days after receipt of invoice and satisfactory delivery.

7. Supplemental Terms and Conditions/Modifications:

Any supplemental terms, conditions, modifications, or waiver of these terms and conditions must be in writing and signed by the Sarpy County Board Chairman and the Vendor.

8. Residency Verification:

The Vendor agrees to comply with the residency verification requirements of Neb. Rev. Stat. §4-108 through §4-114. The Vendor is required and hereby agrees to use a federal immigration verification system to determine the work eligibility status of new employees physically performing services within the State of Nebraska. A federal immigration verification system means the electronic verification of the work

authorization program authorized by the Illegal Immigration Reform and immigrant Responsibility Act of 1996, 8 U.S.C. 1324a, known as the E-Verify Program, or an equivalent federal program designated by the United States Department of Homeland Security or other federal agency authorized to verify the work eligibility status of a newly hired employee.

If the Vendor is an individual or sole proprietorship, the following applies:

1. The Vendor must complete the United States Citizenship Attestation Form, available on the Department of Administrative Services website at [www.das.state.ne.us](http://www.das.state.ne.us).
2. If the Vendor indicates on such attestation form that he or she is a qualified alien, the Vendor agrees to provide the U.S. Citizenship and Immigration Services documentation required to verify the Vendor's lawful presence in the United States using the Systematic Alien Verification for Entitlements (SAVE) Program.
3. The Vendor understands and agrees that lawful presence in the United States is required and the Vendor may be disqualified or the contract terminated if such lawful presence cannot be verified as required by Neb. Rev. Stat. Sect. 4-108.

9. Breach:

Should Vendor breach, violate, or abrogate any term, condition, clause or provision of this agreement, the County shall notify Vendor in writing that such an action has occurred. If satisfactory provision does not occur within ten (10) days from such written notice the County may, at its option, terminate this agreement and obtain an alternate provider to provide all required materials. This provision shall not preclude the pursuit of other remedies for breach of contract as allowed by law.

10. Assignment:

The Vendor may not assign this Contract without the prior written consent of the County.

11. Subcontracting:

Vendor may not subcontract the work to be performed, without prior written consent of the County. If such consent is granted, Vendor will retain responsibility for all work associated with the Contract. The Vendor must identify any subcontractors it intends to use in the execution of this Contract. The Vendor must identify subcontractors in writing within the proposal.

12. Independent Contractor:

The Vendor shall in the performance of the Contract at all times be an independent contractor and not an employee or agent of the County. The Vendor, its officers, employees and agents shall at no time represent the Vendor to be other than an independent contractor or represent themselves to be other than employees of the Vendor.

13. Indemnity:

The Vendor shall indemnify and save harmless Sarpy County, its officers, employees and agents from all loss, claims, suits or actions of every kind and character made upon or brought against Sarpy County, its officers, employees, or agents, for or sustained by any party or parties as a result of any act, error, omission or negligence of said Vendor or its servants, agents, and subcontractors; and also from all claims of damage in fulfilling this Contract.

**Specifications**

The dump body with hydraulic system shall be a new current model of proven performance and under standard production by the manufacturer. Units are to be of standard design, complete as regularly advertised and marketed. All necessary parts for satisfactory operation of the dump boxes with hydraulic systems shall be furnished whether or not they may be specifically mentioned below.

**The chassis provided by Sarpy County is a 2012 Freightliner 114SD 6x4.**

1. Company Information:

Vendor will provide the following company information on the bid form:

1. Years in business;
2. Number of employees; and,
3. Total sales for last three (3) years.

2. References:

Each Vendor must include with its proposal a list of no less than three (3) references that have purchased the specified product or service within the last two (2) years. The list must include the name of the company and the name and phone number of a contact person for each company.

3. Literature:

Three (3) sets of detailed specifications or advertising literature with cuts or photographs shall be furnished with the quotation on the identical boxes to be

furnished. ANY INFORMATION NECESSARY TO SHOW COMPLIANCE WITH THESE REQUIREMENTS NOT GIVEN ON THE ATTACHED ADVERTISING DATA SHEETS SHALL BE SUPPLIED IN WRITING AND ATTACHED TO THE BID PROPOSAL. Lack of sufficient information supplied with a proposal is cause for automatic rejection of such bid. Dump Boxes with Hydraulic Systems shall comply with or exceed the requirements specified in these bid specifications.

4. Deviations:

Once the bid has been accepted by Sarpy County, no deviations from the specifications will be accepted without prior written approval of Sarpy County.

5. Delivery:

To be coordinated with Sarpy County Fleet Services, 15100 S 84<sup>th</sup> Street, Papillion, Nebraska. The equipment will be accepted by a representative of the Fleet Services Department. State approximate delivery date in the space provided on the Bid Form. Delivery can be taken Monday through Friday, except holidays, 7:00 a.m. to 3:30 p.m. Vendor will provide with the Bid delivery date to Sarpy County. Contact Fleet Services at 402-537-6980, 24 hours prior to delivery.

6. Exceptions:

These specifications are minimum acceptable specifications. Vendor may bid other than what is specified if it is of higher specification than what is requested. Vendor must list any exceptions to the bid specifications on the exceptions/clarification/comment page provided. Indicate acceptance or exception by marking YES / NO for each specification listed. Any unmarked YES / NO line will be noted as "exception to the specification".

7. Warranty:

A copy of all manufacturer's warranties shall be included in Vendor's proposal.

A full two (2) year unconditional warranty/guarantee on body, hoist, pump, line, reservoir, valves control and installation is required. Please provide terms of warranty in the area provided in Section VI below.

**Technical Specification****I. DUMP BOX BODY**

- A. Dump body shall be a heavy duty steel western style cross-memberless type design.

1. Body shall be a minimum 180,000 P.S.I. tensile strength, 3/16 inch thick - AR400 steel. Floor shall be a minimum 180,000 P.S.I. tensile strength 1/4 inch thick - AR400 steel.
2. Body shall be sloping running board type with cross-memberless sub frame.
3. Dump body shall be fourteen feet (14') long.
4. Inside width of dump body shall be seven feet (7').
5. Sides shall be a minimum of forty-four inches (44") in height.
6. Body ends are twelve inches (12") higher than the sides with pocket for extension sideboards.
7. Pocket shall accept a 3" x 12" full bridge plank, pockets made of 1/4 inch steel, 12 inch (12") high, three (3) pockets per side, front, middle and rear.
8. Two (2) body props: one (1) left hand and one (1) right hand are required.
9. Left front body side shall have steps and two (2) hand holds for operator access to top of body. Steps shall be made of extruded grip-strut type material.
10. Sub-frame to accept a single cylinder front mounted telescopic hoist.

**B. Body Floor**

1. Minimum thickness 1/4 inch - AR 400 steel.
2. One (1) piece floor design.
3. 180,000 P.S.I. minimum tensile strength.

YES/NO

CONTRACTOR: NORTHERN TRUCK EQUIP. CORP.

X /   

4. Floor to side joint shall be of the radius design.

C. Body Sides

X /   

1. 3/16 inch thick minimum AR400 steel.

X /   

2. 180,000 P.S.I. tensile strength minimum.

X /   

3. Each side shall be reinforced by vertical and horizontal box sections, and have sloped angles to shed dirt and debris.

X /   

4. Side top rails shall be formed to a boxed section.

X /   

5. Rear corner post shall be of the one (1) piece design. Rear corner post shall be full depth from the top of the gate to the bottom of the rear cross members and fabricated of one sheet to a box section.

D. Front Head

X /   

1. 3/16 inch thick minimum AR400 steel.

X /   

2. 180,000 P.S.I. tensile strength steel.

X /   

3. One (1) piece design.

X /   

4. Specify type design

ONE PIECE FRONT WITH ONE HORIZONTAL BRACE

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E. Tailgate

X /   

1. 3/16 inch thick minimum AR400 steel.

X /   

2. 180,000 P.S.I. tensile strength steel.

X /   

3. All tailgate seams to be continuously welded. Skip welding will not be accepted.

X /   

4. Top horizontal brace shall be full width boxed type design and welded to tailgate frame.

YES/NO

CONTRACTOR: NORTHERN TRUCK EQUIP CORP

- X/  5. Tailgate shall have horizontal and vertical braces. All horizontal sections shall be tapered to shed debris.
- X/  6. Tailgate upper hinges shall be offset type constructed from 3/4 inch steel.
- X/  7. Tailgate shall have vertical end braces extending from offset hinge to 1-1/4 inch diameter lower pins.
- X/  8. Spreading chains with banjo eyes to secure and adjust chains. Spreading chains shall be a minimum of 3/8 inch.
- X/  9. Tailgate shall have solenoid activated air operated bottom latch with control in cab.
- X/  10. Bottom latch shall be over the center type with steel or cast iron hardware. Latching mechanism shall be independently adjustable.
- X/  11. Air cylinder to be double acting type and retracted when tailgate is closed. Air cylinder rod shall be stainless steel.
- X/  12. A warning light in the cab shall indicate when tail gate is released.

F. Hoist Well

- /X 1. 3/16 inch thick minimum AR400 steel.
- /X 2. 180,000 P.S.I. tensile strength steel.
- X/  3. Extension into body not to exceed one (1) foot.

G. Stationery Cab Protector Shield

- /X 1. 3/16 inch thick minimum AR400 steel.
- /X 2. 180,000 P.S.I. tensile strength steel.
- X/  3. Half cab protection.
- X/  4. Cab protector shield shall be reasonably close to top of cab.
- X/  5. Cab protector shield shall be same width as widest part of cab above doors.

YES/NO

CONTRACTOR: NORTHERN TRUCK EQUIP CORP

6. Standard twelve inch (12") channel will be used as uprights to top parts of cab protector shield and for top cross member.
7. Upright flanges shall face away from center of chassis.
8. Uprights shall be further stiffened to the frame rail with twelve inch (12") length of 3/8" x 3"x 3" angle irons placed on top of rails and properly welded to the uprights. This angle iron may also act as the bottom support for the hydraulic reservoir. The angle iron shall not be welded to the chassis frame rails.
9. All seams to be continuously welded. Skip welding will not be accepted.
10. Each cab protector upright channel shall be bolted with a minimum of five (5) each of 5/8 inch Grade 8 bolts to chassis frame rail.
11. Top cross member shall be adequately welded to the uprights and gusseted with two 1/4 inch (2 1/4") steel plates of 6" x 6" x about 8-1/2" dimensions at the rear part of the assembly.
12. Cab protector shall be welded to the uprights and cross member. Cab protector shall be reinforced and welded to cross member with two (2) - 3" x 1-3/8" (4.1) channel irons which extend the full length of cab protector and align with channel uprights.
13. Cab protector shall be adequately gusseted from 4.1 channel iron to channel uprights.
14. Cab protector shall be welded to 4.1 channel iron with flanges downward.
15. Cap protector shall meet all OSHA standards.
16. Cab protector shall have provisions that do not allow ponding of water.
17. Cap protector shield shall have heavy duty expanded metal 1" x 2" openings welded to shield to protect rear chassis cab window area. Expanded metal shall be placed to allow ample visibility from chassis cab window.
18. Cab protector shield shall have approximately three inch (3") opening from the top of the hydraulic reservoir to the cab protector to allow for hand access.

YES/NO

CONTRACTOR: NORTHERN TRUCK EQUIP CORP

19. Cab protector uprights channels shall have adequately-sized openings with rounded corners as necessary for temperature/sight gauge and other hydraulic components. Opening shall be done in a professional manner with straight sides with a minimum one-half inch radius corners.

20. Cab protector and uprights installation and alterations shall be provided as needed for chassis provided.

H. Hoist System

1. Hoist designed for lowest body mounting.

2. NTEA Classification 100 minimum.

State NTEA Classification 120

3. High polished, hard-chrome cylinder(s).

4. Composite bearing in all joints for grease free operation.

State Manufacturer and Model of Hoist.

Hoist Manufacturer CAYSTEEL

Hoist Model M63138SA

5. Minimum dump angle shall be fifty (50) degrees.

6. Cylinder shall have the length of stroke as required by the body manufacturer. A lift limit system shall be provided to stop the flow of hydraulic oil to the cylinder. Lift limit system shall be electrically adjustable in a weather proof enclosure.

7. Warning light and audible alarm shall be installed in the cab to indicate when the body is in the raised or up position.

I. Body Finish

1. Dump body, cab protector, understructure, piping, pump and hydraulic components must be thoroughly cleaned and metal treated per paint manufacturer's recommendation.

2. Metal will completely primed with rust inhibitive primer/sealer that is

YES/NO

CONTRACTOR: NORTHERN TRUCK EQUIP CORP

recommended by the paint manufacturer and compatible with top coat. Minimum of two (2) coats primer on all components is required.

- 3. Automotive caulk will be applied to all open seams.
- 4. Top coat shall be multiple coats of activator hardened acrylic or polyurethane paint and be two (2) mil to three (3) mil thickness. Color shall match cab chassis body white.
- 5. Paint and primer application must be of high quality.
- 6. Under-structure, piping, pumps and frame areas shall be painted with two (2) coats of black paint.
- 7. Bidder must submit information on brand, type of paint and primer.

Paint Manufacturer SHERWIN WILLIAMS AUTOMOTIVE FINISH

Paint Type GENESIS ACRYLIC URETHANE

Primer DIAMOND VOGEL 2 PART POLYURETHANE

J. Lights/Equipment

- 1. Lights to comply with D.O.T. Federal and State safety regulations.
- 2. All lights to be recessed into body.
- 3. Rear oval stop/ turn signal, marker lights and oval backup lights - one (1) each side in rear vertical end braces.
- 4. Whelen DOT three-light package system, #102A installed.
- 5. Rear strobe light assembly mounted in rear vertical end braces.
- 6. Front strobe mounted on roof of truck cab or top of stationary cab protector per Fleet Service approval.
- 7. All wiring, light fixtures and connections mounted to protect from adverse weather operating conditions in snow, mud, rock, etc.
- 8. All electrical connections shall be properly crimped and weather sealed with heat shrink processes.

YES/NO

CONTRACTOR: NORTHERN TRUCK EQUIP CORP

- X/ 9. All wiring and connections shall meet Truck Chassis manufacturer's recommendations for body installations.
- X/ 10. Body shall be equipped with four (4) rubber anti-sail mud flaps mounted in front and back of tandems. Front mud flaps can either be mounted to the dump body or the chassis frame with steel supports.

## II. HYDRAULIC SYSTEM

### A. Hydraulic system

- X/ 1. The hydraulic system shall provide hydraulic power for the operation of the hoist and dump body operation, salt/sanding hopper system, liquid anti-ice spray system and snow plow operation.
- X/ 2. All individual components of the hydraulic system shall be equipped with pressure limiters which will supply only the necessary working pressure required by the manufacturer.

### B. Hydraulic Pump, PTO and Shut down System

- X/ 1. Hydraulic pump – shall be an axial piston pressure and flow compensated load sensing type. Pump rated to 4.67 cubic inches per revolution at a maximum stroke which will deliver 19.2 gpm @ 1000 engine rpm. The pump shall have a 2" inch suction line and a 3/4" inch case drain line plumbed directed back to the reservoir without passing through the return line filter. The pump shall be rated for 4000 PSI maximum and 3500 PSI continuous. Pump must have internal bleed down compensator. The pump shall be a Force America PVWH34R or approved equal.

State make, model, size and type of pump Oilgear PVWJ

FASD34R FORCE AMERICA SEVERE DUTY 4.67 CID

- X/ 2. Power Take Off (PTO) mounted off the transmission shall drive the hydraulic pump - Chelsea 275 hot shift PTO or clutch shift type or equal. Hydraulic pump shall be mounted with centerline parallel to the PTO shaft centerline and at a level to create a minimum one degree angle and not more than a three degree angle on the drive line. Chassis is equipped with Allison 4500RDS, 5-speed electronic transmission. PTO will be connected to transmission with a wiring harness and will interface with Transmission ECM for PTO control. PTO will be engaged by rocker switch on control console in cab with red pilot light indicating PTO engagement.

YES/NO

CONTRACTOR: NORTHERN TRUCK EQUIP CORP

PTO to be engaged only when the engine speed is at idle RPM and vehicle speed is less than ten (10) mph. PTO is to disengage when vehicle speed exceeds thirty-five (35) mph.

**NOTE: Contact Purchasing in writing for information about PTO type and set-up. Fax number (402) 593-4304 or email bcunard@sarpy.com.**

**NOTE: See Attachment C for PTO wiring**

State Manufacturer, model, type of PTO:

CHELSEA HOT SHIFT 277 SERIES 10370 FOR ANISON 4500RDS

X/\_\_\_

3. Shut down System: There shall be a sensor for low oil mounted in the top of the reservoir. It will be a normally open circuit. When oil reaches a critical level this circuit will close sending a signal to the hot shift power take off, disengaging the pump and shutting off the flow of oil to the system. At the same time a signal will be sent to an indicator mounted in the control center alerting the operator of system shutdown. A low level oil manual override switch will allow the operator to momentarily override the system shutdown to raise the plow or lower the dump body in order to return to a maintenance facility.

C. Hydraulic Valve

X/\_\_\_

1. The hydraulic valves shall be of modular manifold design. Each hydraulic function requires an individual manifold stacked together to form the manifold base.

X/\_\_\_

2. The manifold base shall consist of an inlet section with SAE # 16 inlet porting, SAE # 20 outlet porting and SAE # 4 load sensing porting.

X/\_\_\_

3. There shall be a main relief in the inlet section to protect the system from high pressure in case the pump compensators fail.

\_\_\_ X/

4. Each valve shall have individual pressure and flow compensation to achieve independent simultaneous operation.

X/\_\_\_

5. The hydraulic valves controls shall be pulse-width modulated, proportionally controlled.

X/\_\_\_

6. Each hydraulic valve section shall be individually mounted to the manifold base assembly and be serviceable without removing any hydraulic hoses or any other hydraulic segments.

YES/NO

CONTRACTOR: NORTHERN TRUCK EQUIP CORP

7. All segments shall have heavy-duty continuous duty coils and connections shall be with Din connectors.
8. All coils shall operate at 12VDC and require a maximum of 1400 mille-amps.
9. Each section shall be equipped with a manual override except for the auger and spinner sections.
10. The dump body manifold shall be stacked next to the inlet section and capable of 40 GPM with SAE# 12 porting.
11. All other segments rated to 20 GPM.
12. Valve arranged as follows:
- a. Dump 4-way
- b. Conveyor/Anti-Ice 2-way with pressure limiter and compensator
- c. Plow Lift Low leak 3-way valve with adjustable speed.
- Controls: Raise, Hold, Lower and Float
- d. Plow Angle 4-way
- e. Spinner 2-way
- f. Prewet 2-way

**Valve segments shall be Force America Add-A-Fold model or approved equal.**

D. Hydraulic Valve Enclosure

1. Hydraulic control valve shall be mounted inside a weatherproof enclosure outside of chassis frame. (Preferred location of hydraulic valve is on passenger side above chassis frame.)
2. The valve enclosure shall be fabricated of 10 and 12 gauge steel.
3. Enclosure shall be designed to not allow humidity to be trapped inside.

YES/NO

CONTRACTOR: NORTHERN TRUCK EQUIP CORP

4. Valves shall be mounted with all ports coming out the bottom and holes allowing for hose adapter fitting.
5. Enclosure will allow for bulkhead style cable to enter from front.
6. Valve will be "Boxed In" with the cover and not the base.
7. The cover shall be held to the enclosure by four heavy rubber latches.
8. All plumbing shall be external, directly out the bottom of the valve enclosure.

E. Hydraulic Filter System

1. The hydraulic return filter shall be externally mounted on the driver's side of the reservoir. (Next to the cab protector twelve inch (12") channel upright)
2. The hydraulic filter shall be ten (10) micron spin-on element that is rated for no less than 80 GPM. A visual filter condition indicator gauge shall be included.
3. Filter system shall be equipped with an electric by-pass indicator that is wired to the control panel mounted in the cab.
4. Filter system shall be equipped with a 1 1/4" inch line check. (Zinga model BRV-1220-2-03 or approved equal) Line check shall be installed to allow servicing of the filter without siphoning oil from the reservoir.

**Filter shall be Force America SF510-150-25-10MLR-PI-Z or approved equal**

F. Hydraulic Reservoir

1. Hydraulic reservoir shall be mounted between the chassis cab and dump body within the confines of the cab protector twelve inch (12") channel uprights. Reservoir shall be sturdily mounted and complete with return filter, suction strainer, sight gauge and shut off valve.
2. Reservoir shall be a fifty (50) gallon minimum with five (5) gallon expansion space for a total of fifty-five (55) gallons.
3. Reservoir shall be constructed of seven (7) gauge steel and mounted within the confines of the twelve inch (12") cab protector channel uprights. The reservoir shall be approximately thirty-six inches (36") in

YES/NO

CONTRACTOR: NORTHERN TRUCK EQUIP CORP

height with an approximate width of thirty-two inches (32"). The Reservoir shall be properly baffled.

X /   

4. The back side of reservoir at the top and bottom will have three inch (3") C – channel members extending across the back of the reservoir and the twelve inch (12") upright channels. The three inch (3") channel shall be welded to the back of reservoir with holes at the ends for bolting to the twelve inch (12") channel uprights. Bolts shall be Grade 8. The twelve inch (12") cab protector upright channels shall have two - three inch by three inch by twelve inch long angle plates (3"x 3"x12") welded to the twelve inch (12") upright channels for supporting the base of the reservoir. A rubber pad shall be place between the angle plates and the reservoir.

X /   

5. Reservoir shall be mounted with adequate clearance from chassis components and so that it can be easily removed without removing the twelve inch (12") channel uprights.

X /   

6. Reservoir shall have filler pipe installed at the top area of reservoir with filler pipe at forty-five (45) to seventy (70) degree angle passing thru driver side twelve inch (12") upright channel.

X /   

7. Fill neck must be screened with basket type filler breather cap.

X /   

8. Hydraulic fluid level sight gauge (5" minimum) with Fahrenheit temperature gauge shall be installed on driver side of reservoir.

X /   

9. Suction port will allow for installation of two inch (2") NPT fifty (50) gallon suction screen. Suction screen will be one hundred (100) mesh with a three (3) PSI relief valve.

X /   

10. A gated-type shut off valve of at least the size of the suction line shall be required between the reservoir and the suction line itself. (2 inch full flow gate valve.)

X /   

11. Hydraulic system shall have a high temperature warning alarm and light mounted in the cab console.

X /   

12. Reservoir shall be equipped with low level hydraulic fluid warning system with buzzer and light in cab console. Low level alarm sensor mounted twelve inches (12") from bottom of reservoir.

X /   

13. Reservoir shall be equipped with one inch (1") drain valve and plug.

YES/NO

CONTRACTOR: NORTHERN TRUCK EQUIP CORP

X/\_\_\_

14. Separate return port for the case drain line.

G. Hydraulic - Piping, Fittings, Coupler, Hoses

X/\_\_\_

1. All hydraulic lines, hoses and plumbing shall be of sufficient capacity so as not to create heat or turbulence within hydraulic system.

X/\_\_\_

2. Suction line between reservoir and pump shall be a minimum of 2" Inch 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)

X/\_\_\_

3. All pressure hoses, including signal sense to pump shall have swivel fittings on both ends and have a minimum rating of SAE 100R2. Return lines and case drain shall have a minimum of SAE 100R2 rating.

X/\_\_\_

4. Hydraulic lines and piping shall have adequate ground clearance and proper hangers to prevent hose and pipe from abrasion and damage from truck frame and body. Maximum distance between support clamps on all hydraulic lines shall be 24 inches. Hoses shall not be routed near exhaust manifold pipes and exhaust system to prevent wear, fatigue or fire.

X/\_\_\_

5. Hydraulic lines and piping shall be routed to minimum interference with equipment and chassis components requiring servicing.

X/\_\_\_

6. Provide piping and hoses from - reservoir to pump, pump to valve, valves to hoist cylinder, valves to side couplers located at side of truck for spreader/sprayer and valves to front bumper area for snow plow.

X/\_\_\_

6. Provide hydraulic quick couplers for plow lift and reverse cylinder. Two (2) Aeroquip brand 5601-8-10S and two (2) Aeroquip 5602-8-10S.

**NOTE: Location and mounting instructions per Sarpy Fleet Services.**

\_\_\_/ X

7. Velocity fuse on main hydraulic line by pump to lock up if failure of hose.

X/\_\_\_

8. Provide hydraulic quick couplers for sander/spreader and anti-icing system. Coupler shall be securely mounted for ease of coupling at rear of dump body. The preferred location is between rear frame rails.

Aeroquip brand.

(1) 5602-16-16S – Male end on return line.

(1) 5601-12-12S - Female end on conveyor line.

(1) 5602-12-12S – Male end on spinner line.

YES/NO

CONTRACTOR: NORTHERN TRUCK EQUIP CORP

**NOTE: See Attachment A for spreader hose and coupler configuration.**

**III. CAB CONTROLS**

X/ 1. Entire hydraulic system, strobe lights, plow lights, snow plow, dump body, spreader, Anti-Ice system and spreader pre-wet system shall be electrically controlled from the cab by a console securely mounted at approximately forty-five (45) degree angle to the operator on a pedestal in center of cab. Console shall be adjustable moving away from and towards the operator's position. The Console shall be able to swivel from side to side.

X/ 2. Overall console length shall be approximately fifteen inches (15") with two (2) fully proportional joysticks mounted on top of console. The center must be supplied with color-coded wiring throughout. The unit must be supplied with speedometer connection, valve control connection and main power connection. Console shall be Force America Patrol Commander model MA5100-2JMO-1MP or approved equal.

3. Console shall include seven (7) rocker style switches with light indicators for the following functions:

X/ a. Strobe lights, off/on.

X/ b. Strobe lights, high/low.

X/ c. Plow lights, high/low.

X/ d. Plow lights, off/on.

X/ e. Tailgate release.

X/ f. Spare.

X/ g. PTO engage off/on.

**NOTE: See Attachment B for joystick configuration.**

X/ 4. All switch and functions on console shall be marked for function and equipped with back lighting feature that glows brightly. Back lights to be wired and controlled by chassis dash lights dimmer switch. The

YES/NO

CONTRACTOR: NORTHERN TRUCK EQUIP CORP

console must have changeable nomenclatures.

X   

5. All functions shall be protected by circuit breakers with two (2) spare circuits (15 amps) for radio installation. All power circuits except back lights shall be relay controlled with chassis ignition switch.

6. Console shall include the following solid state warning/indicators, light/gauges:

X   

a. Strobe light display.

X   

b. Plow light high beam on.

X   

c. PTO engaged light.

X   

d. Low hydraulic level – warning light and buzzer.

X   

e. High hydraulic temperature – warning light and buzzer.

X   

f. Dump body in raised position – warning light.

X   

g. Tailgate latch open - indicator light.

X   

h. Filter bypass indicator light.

A. Plow, Dump Joystick Controls

X   

1. Control will be electrical fully proportional pulse width modulating joystick type controller mounted on the top of the console.

X   

2. Plow controls shall be a dual Axis joystick type with spring return to neutral. X Axis (forward/backward axis) - plow up and down function. Plow down float mode shall be obtained or lock-in when holding the joystick in the down (forward) mode for five (5) seconds or longer. Y Axis (left/right axis) - plow angle left and right. Plow control shall be mounted on the driver's side top of the console.

X   

3. The Dump joystick shall be a single Axis (forward backward axis) with mechanical lock to prevent accidental actuation. The lock is released by lifting. Dump joystick shall be mounted on the passenger's side top of the console.

YES/NO

CONTRACTOR: NORTHERN TRUCK EQUIP CORP

   / X

4. All hydraulic control wiring harnessing shall meet ISO IP68 and NEMA 6 standards. The connectors shall be die cast E-coated and be designed to have NO corrosion after five hundred (500) hours in a 35C salt spray. Each connector shall have three (3) sealing points: (1) the lock ring itself, (2) a raised portion of the molded plastic around each pin, and (3) a viton O-ring that seals the whole connector. Wiring to be equivalent to Daniel Woodhead, Brad Harrison electrical connectors and wiring.

B. Spreader/ Pre-Wet System Controls

X /   

1. Console shall be configured to include electronic spreader control model SSC-5100 (Force America) or equal for both the spreader and pre-wet systems.

X /   

2. Spreader control shall be capable of controlling the application rates of granular, pre-wetting agents, and anti-icing agents simultaneously or independently, regardless of vehicle speed. The electronic spreader control shall be the type designed for precise, closed-loop function.

X /   

3. Spreader control harness and wiring to back of truck will be set up for pre-wet, anti-icing, and total liquid use even if functions are not utilized.

X /   

4. Spreader control must be GPS compatible.

X /   

5. Spreader controls shall be reprogrammable by upgrading the microprocessor chip. Data memory shall be a minimum of 512K RAM and be capable of data logging a minimum of four thousand (4000) events. The electronic spreader control shall have a field replaceable battery back up that protect memory functions.

X /   

6. The unit must be protected from reverse polarity, as well as be over-voltage protected by using a reset circuit breaker of approved size.

X /   

7. Spreader Control shall be mounted into the console and shall be positioned for operator to easily see and reach.

X /   

8. Spreader control shall allow for up to ten (10) different pre-programmed application rates plus a manual override feature. It shall be capable of four (4) granular products and two (2) liquid products. Controller shall have programmable nomenclatures for granular and pre-wet materials.

YES/NO

CONTRACTOR: NORTHERN TRUCK EQUIP CORP

- X 9. Spreader control shall allow for up to ten (10) different pre-programmed application rates plus a manual override feature. It shall be capable of four (4) granular products and two (2) liquid products. Controller shall have programmable nomenclatures for granular.
- X 10. Spreader control shall have a blast button. Controller blast button shall immediately cause full hydraulic flow to the auger section, causing maximum spreader material output. Programming shall allow for blast function to be set one of three ways: momentary, timed, or by distance travel.
- X 11. A supervisor data lock key shall be part of the controller to prevent data or programs from being changed, calibrated or deleted without key access. A supervisor key shall be provided for each controller. There shall also be one driver key supplied with each unit. The unit shall be capable of utilizing a CAL key for ease of programming the spreader control calibrations factors.
- X 12. Granular rates may be selectively displayed in pound-per-lane-mile or kilogram-per-kilometer. Liquid rates may be selectively displayed in gallons-per-ton or liters-per-metric ton.
- X 13. Controller shall have a non-volatile memory to store all programs and data when it is disconnected from a power source.
14. Text data display shall consist of a two alphanumeric fluorescent display. It shall provide the operator with instant access to:
- X a) Total distance
  - X b) Total granular applied
  - X c) Total liquid applied
  - X d) Vehicle speed
  - X e) Distance traveled
  - X f.) Calibration parameters

YES/NO

CONTRACTOR: NORTHERN TRUCK EQUIP CORP

15. The unit must be capable of displaying logged spread run information for intermediate reference and be able to download data to a serial port printer or PC computer when complete data is required. The unit will provide real time and date.
16. Unit shall have a standby (pass) and blast feature as standard. The unit shall provide stationary unload functions on granular, pre-wet and direct functions.
17. The unit shall be capable of or being upgraded for event logging. The control shall have a programmable jump-start feature to provide immediate material flow at start up.
18. All spreader control wiring harnessing shall meet ISO IP68 and NEMA 6 standards. The connectors shall be die cast E-coated and be designed to have NO corrosion after five hundred (500) hours in a 35C salt spray. Each connector shall have three (3) sealing points: (1) the lock ring itself, (2) a raised portion of the molded plastic around each pin, and (3) a viton O-ring that seals the whole connector. Wiring to be equivalent to Daniel Woodhead, Brad Harrison electrical connectors and wiring

#### IV. INSTALLATION

1. The installer shall be responsible to ensure the proper location of the body on the truck to obtain the best working results.
2. Dump body hinge shall be recessed into the chassis frame and solidly welded.
3. The cylinder saddle shall be solidly welded to angles that are bolted to the frame.
4. Battery on chassis will be disconnected anytime that welding is performed on chassis.
5. All required components shall be supplied by the installer.
6. Professional techniques and workmanship are required:
- a. No welding or cutting of chassis frame rails except as stated elsewhere in the specification.

YES/NO

CONTRACTOR: NORTHERN TRUCK EQUIP CORP

X\_\_\_

b. Welds must be chipped free of slag and thoroughly protected with white or black paint as appropriate.

X\_\_\_

c. Improper mountings, poor welding practices, the presence of slag, hydraulic oil leaks or inadequate paint coverage will be cause for rejection.

**V. MANUALS AND TRAINING**

X\_\_\_

1. Two (2) Operator Manuals.

X\_\_\_

2. One (1) Service Manual.

X\_\_\_

3. One (1) Parts Manual.

**Note: Service and parts manuals on CD will be acceptable.**

X\_\_\_

4. A minimum of four (4) hours of operation and service/repair training for the hydraulic and spreader systems and control units for the Sarpy County Fleet Service Staff (Four (4) Personnel) is required.

X\_\_\_

5. A minimum of two (2) hour of operator training for Sarpy County Public Works Department Staff is required.

**VI. WARRANTY/GUARANTEE**

X\_\_\_

1. Full two (2) year unconditional warranty/guarantee on body, hoist, pump, line, reservoir, valves, controls and installation.

X\_\_\_

2. Regular manufacturer's standard warranty, manufacturer's statement of origin and complete pre-delivery inspection certificates required with truck at delivery.

X\_\_\_

3. The manufacturer's standard warranty shall be stated in the bid.

X\_\_\_

4. All warranty work shall be performed within and within sixty (60) miles of Sarpy County Fleet Shop at 15100 So. 84th Street, Papillion, NE 68046.

X\_\_\_

5. Mechanical or body repair required under manufacturer's warranty prior to use of the vehicle by the County shall be the responsibility of the selling dealer, including the transportation thereof.

YES/NO

CONTRACTOR: NORTHERN TRUCK EQUIP CORP

X/\_\_\_ 6. Warranty to be effective from date of issuance of first assignment

State terms of warranty 5 YEAR WARRANTY ON CRAYSTEEL DUMP BODY

HOIST AND AIR TRIP CYLINDER (SEE ENCLOSED CRAYSTEEL SHEET)

2 YEAR WARRANTY ON FORCE AMERICA PRODUCTS

**VII. DELIVERY**

X/\_\_\_ 1. Delivery shall be to Sarpy County Fleet Service Department at 15100 South 84th Street, Papillion, Nebraska, 68046.

X/\_\_\_ B. Contact Fleet Services, 24 hours prior to delivery at (402) 537-6980.

X/\_\_\_ C. Specify delivery date: 120 DAYS ARO.

## EXCEPTIONS/CLARIFICATIONS/COMMENTS

1. I.C.3 PRESSED IN HORIZONTAL BRACE WITH 4 VERTICAL STRUT BRACES PER SIDE
2. I.F.1 DOGHOUSE WILL BE MADE WITH 7 GAUGE A1011 STEEL
3. I.F.2. STEEL FOR DOGHOUSE WILL BE 65,000 PSI TENSILE STRENGTH
4. I.G.1. CAB SHIELD WILL BE MADE WITH 7 GAUGE A1011 STEEL
5. I.G.2 STEEL FOR CAB SHIELD WILL BE 65,000 PSI TENSILE STRENGTH
6. I.H.6. MERCURY SWITCH WILL BE INSTALLED IN REAR CORNER POST BUT NOT IN ENCLOSURE
7. II.C.4 FLOW COMPENSATION ONLY
8. II.C.11 AUGER 13 GPM AND SPINNER-PREWET 7 GPM
9. II.C.12.B COMPENSATOR ONLY
10. II.G.7 LOW OIL P.T.O. SHUTDOWN
11. III.A.4 STANDARD FORCE AMERICA DIN CONNECTORS
12. III.B.18 STANDARD FORCE AMERICA DIN CONNECTORS
13. II.C.12.A 3-WAY SECTION - SINGLE ACTING HOIST

**Sarpy County, Nebraska**  
**Two (2) - 2011 - Fourteen Foot (14') Dump Body with Hydraulic System**  
**Bid Form**

Company Name: NORTHERN TRUCK EQUIPMENT CORP  
Make: CRYSTEEL Model: SELECT  
Year: 2011

The undersigned, having carefully examined the specifications and other contract documents for furnishing Two (2) - 2011 - Fourteen Foot (14') Dump Body with Hydraulic Systems, mounted on a 64,000 GVWR Tandem Axle Cab Chassis, for Sarpy County Public Works Department use, hereby propose to furnish equipment as specified for a cost as follows:

UNIT PRICE \$ 38,857.00

\*Prices are to be F.O.B. - 1210 Golden Gate Drive, Papillion, NE 68046

DELIVERY DATE: 120 DAYS ARO

**Company Information:**

Years in business: 77  
# of employees 30  
Total sales last 3 years 8.2 million  
9.2 million  
10.0 million

**References:**

Company Name: STATE OF SOUTH DAKOTA  
Address: 700 EAST BROADWAY PIERRE, SD 57501  
Contact Name: BRAD MAUPIN Phone Number: 605-773-3690  
Fax Number: 605-773-6600 Date of Purchase: SEPTEMBER 2010  
Email: BRAD.MAUPIN@STATE.SD.US

Company Name: STATE OF NORTH DAKOTA  
Address: 608 E. BOULEVARD AVE BISMARCK, ND 58505  
Contact Name: TEM PAUL Phone Number: 701-328-1465  
Fax Number: 701-328-2514 Date of Purchase: APRIL 2011  
Email: TPAUL@STATE.ND.US

Company Name: MINNEHaha COUNTY  
Address: PO BOX 1364 SIOUX FALLS, SD 57101  
Contact Name: TOM PETERSON Phone Number: 605-367-4316  
Fax Number: 605-367-7255 Date of Purchase: JUNE 2011  
Email: TPETERSON@MINNEHaha COUNTY.ORG

I certify that this bid is submitted in accordance with the specifications issued by Sarpy County.

I acknowledge receipt of the following addenda (if applicable):

Addendum #1 YES  
Addendum #2 \_\_\_\_\_

**Attachments:** Literature/Cut-sheets  
Warranty Information

NORTHERN TRUCK EQUIPMENT CORP  
Company Name

JOHN WARTENBEE  
Company Representative (Please print)

John Wartenbee  
Authorized Signature

605-543-5206  
Telephone Number

PO Box 2435  
Address

605-543-5219  
Fax Number

SIOUX FALLS, SD 57101-2435  
City, State & Zip

JWARTENBEE@NTECORP.COM  
E-Mail Address

**\*NOTE: Sarpy County is tax exempt and will provide the proper form upon request.**

## Attachment A

### Sarpy County Truck Rear Hydraulic Coupler Configuration for Spreader

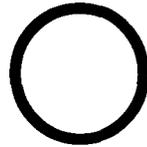
Conveyor

Return

Spinner



Female



Male



Male

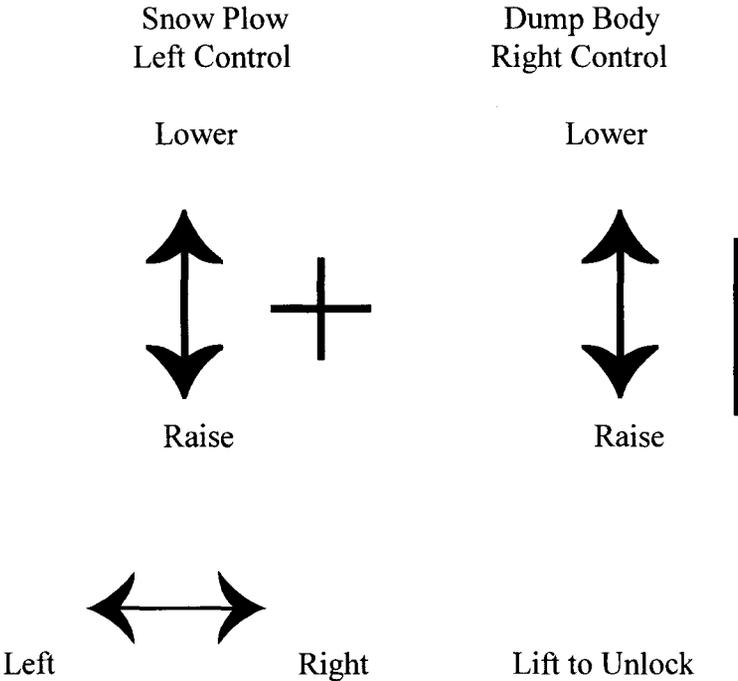
Couplers: AeroQuip 5600 Series

Conveyor and Spinner Size: ¼ inch (12-12)

Return Line Size: 1 inch (16-16)

**Attachment B**

**Plow and Dump Body Hoist Control Joysticks**



# Attachment C

## Sarpy County Highway PTO Set-up and Wiring Diagram

### C. PTO ENABLE (USING "PTO" SWITCH)

**USES:** Permits PTO to be engaged only when engine speed and output speed are in allowable range and throttle is low. Also disengages PTO if speeds are exceeded.

**VARIABLES TO SPECIFY:** Minimum and maximum engine speed for engagement, maximum engine speed for allowable operation, minimum and maximum output speed for engagement, maximum output speed for allowable operation.

**VOCATIONS:** Various (with usage of PTO)

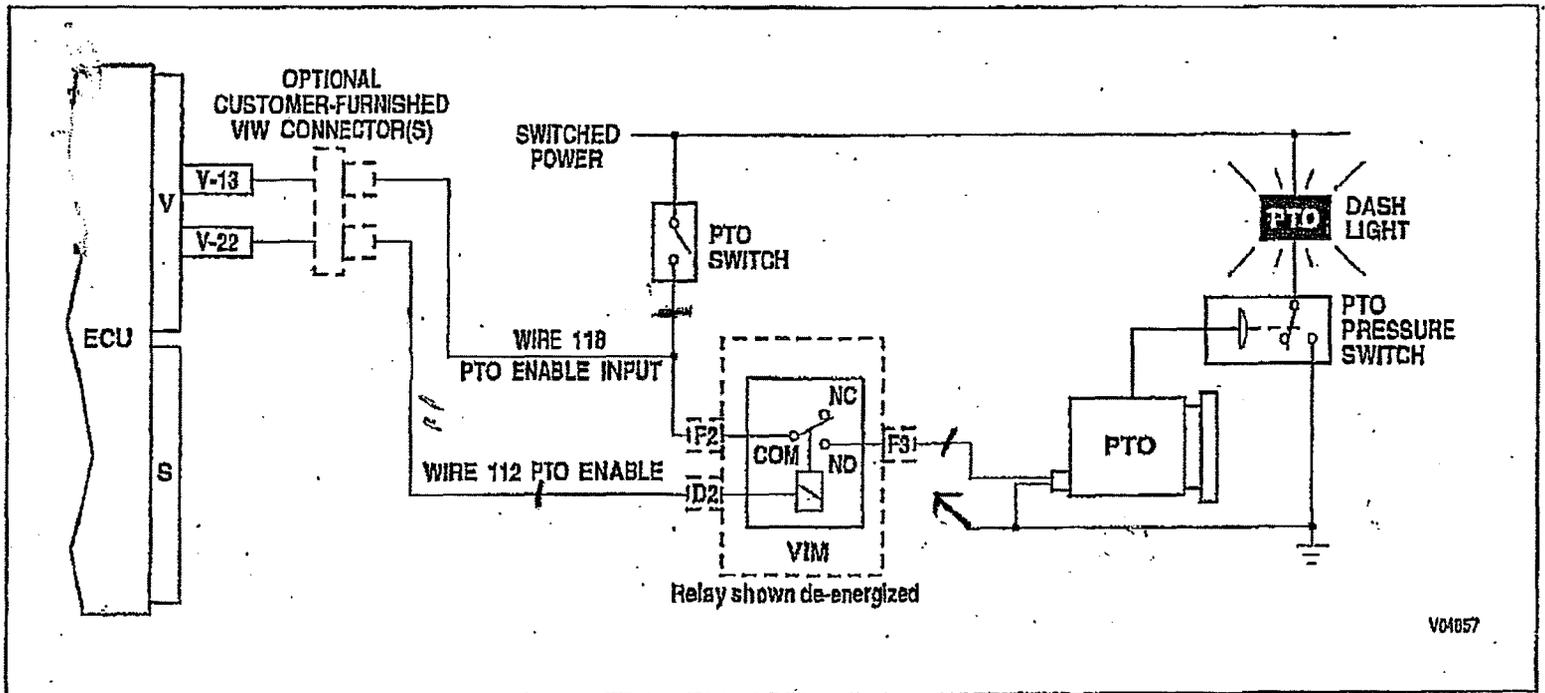


Figure P-3. PTO Enable (Using "PTO" Switch)

**Addendum #1**

**Two (2) - 2011 - Fourteen Foot (14') Dump Body with Hydraulic System  
for  
Sarpy County Public Works Department**

---

Question 1: The Whelen dot system on page 14 section J #4 system #102A is obsolete.

Response: *Section I. Dump Body Box; J. Lights/Equipment; Item 4 shall be replaced with 15007AS0 LED DOT System.*

Question 2: Page 14, Item J3. Have you considered using LED stop, tail, and turn lights and LED marker lights?

Response: *The Specifications call for stop, tail, turn signal. Any type of light including LED will be acceptable.*

Question 3: Page 23 Item B3. You have removed the anti-ice requirements in the hydraulic valves and switches so could this item be changed to remove the anti-ice to the rear of the truck?

Response: *We are still requiring liquid anti-icing to be applied with the rock salt/gravel as it is being dropped down the spreader chute. The proper control wiring harness to that system will have to remain. The other parts of the liquid system can be deleted as far as pre-wet and liquid anti-icing.*

**All other terms remain unchanged.  
Vendor must acknowledge addendum on Bid Form.**

**NTECO**

**Northern Truck  
Equipment Corp.**

NEW ADDRESS:

PO BOX 2435  
SIOUX FALLS SD 57101-2435

RECEIVED  
JUN 8 2011  
SARPY COUNTY CLERK'S OFFICE  
ADMINISTRATION DEPT.

**BID**

FOR 2-14FT DUMP BODY WITH HYD SYSTEM

TO BE RECEIVED UNTIL 2 P.M.

DATE THURSDAY, JUNE 9, 2011

FROM

NORTHERN TRUCK EQUIP CORP

PO BOX 2435

SIOUX FALLS, SD 57101

DEBRA HOUGHTALING  
SARPY COUNTY CLERK  
1210 GOLDEN GATE DRIVE  
PAPILLION, NEBRASKA 68046-2895

RECEIVED  
11:23 A.M. KSA  
JUN 8 2011  
SARPY COUNTY CLERK'S OFFICE  
ADMINISTRATION DEPT.

Sarpy County, Nebraska  
Two (2) - 2011 - Fourteen Foot (14') Dump Body with Hydraulic System  
Bid Form

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Make: CRYSTEEL Model: SELECT

Year: 2011

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UNIT PRICE \$ 38,857.00

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Contact Name: TIM PAUL Phone Number: 701-328-1465  
Fax Number: 701-328-2514 Date of Purchase: APRIL 2011  
Email: TPAUL@STATE.ND.US

Company Name: MENNEHAA COUNTY  
Address: PO BOX 1364 SIOUX FALLS, SD 57101  
Contact Name: TOM PETERSON Phone Number: 605-367-4316  
Fax Number: 605-367-7255 Date of Purchase: JUNE 2011  
Email: TPETERSON@MENNEHAA COUNTY.ORG

I certify that this bid is submitted in accordance with the specifications issued by Sarpy County.

I acknowledge receipt of the following addenda (if applicable):

Addendum #1 YES  
Addendum #2

Attachments: Literature/Cut-sheets  
Warranty Information

NORTHERN TRUCK EQUIPMENT CORP JOHN WARTENBEE  
Company Name Company Representative (Please print)  
John Wartenbee 605-543-5206  
Authorized Signature Telephone Number  
PO Box 2435 605-543-5219  
Address Fax Number  
SIOUX FALLS, SD 57101-2435 JWARTENBEE@NTECORP.COM  
City, State & Zip E-Mail Address

\*NOTE: Sarpy County is tax exempt and will provide the proper form upon request.

## EXCEPTIONS/CLARIFICATIONS/COMMENTS

1. I.C.3 PRESSED IN HORIZONTAL BRACE WITH 4 VERTICAL SIDE BRACES PER SIDE
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3. I.F.2. STEEL FOR DOGHOUSE WILL BE 65,000 PSI TENSILE STRENGTH
4. I.G.1. CAB SHIELD WILL BE MADE WITH 7 GAUGE A1011 STEEL
5. I.G.2 STEEL FOR CAB SHIELD WILL BE 65,000 PSI TENSILE STRENGTH
6. I.H.6. MERCURY SWITCH WILL BE INSTALLED IN REAR CORNER POST BUT NOT IN ENCLOSURE
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8. II.C.11 AUGER 13 GPM AND SPINNER-PREWET 7 GPM
9. II.C.12.B COMPENSATOR ONLY
10. II.G.7 LOW OIL P.T.O. SHUTDOWN
11. III.A.4 STANDARD FORCE AMERICA DIN CONNECTORS
12. III.B.18 STANDARD FORCE AMERICA DIN CONNECTORS
13. II.C.12.A 3-WAY SECTION - SINGLE ACTING HOIST

# Sarpy County Purchasing Department

SARPY COUNTY COURTHOUSE  
1210 GOLDEN GATE DRIVE  
PAPILLION, NE 68046



Brian Hanson, Purchasing Agent  
(402) 593-2349  
Debby Peoples, Asst. Purchasing Agent  
(402) 593-4164  
Beth Cunard, Senior Buyer/Contract Administrator  
(402) 593-4476  
Lois Spethman, Supply Clerk/Purchaser  
(402) 593-2102

## MEMO

To: Sarpy County Board of Commissioners

From: Beth Cunard

Re: Award of bid for Dump Body with Hydraulic System

On June 9, 2011, the Purchasing Department opened three (3) bids for Two (2) Fourteen Foot (14') Dump Bodies with Hydraulic Systems for the Public Works Department. A bid tab is attached for your review. The bids have been reviewed and it is recommended that the bid be awarded to the low bidder, Northern Truck Equipment Corp. for \$77,714.00.

I have placed this on the July 12, 2011 Board agenda for recommended approval. If you have any questions, please feel free to contact me at 593-4476.

June 29, 2011

  
Beth Cunard

cc: Deb Houghtaling  
Mark Wayne  
Scott Bovick  
Brian Hanson  
Pat Clarke  
Denny Wilson