

**BOARD OF COMMISSIONERS**  
**SARPY COUNTY, NEBRASKA**  
**RESOLUTION AWARDING BID FOR TWO (2) FOURTEEN FOOT (14') DUMP BODIES WITH HYDRAULIC**  
**SYSTEMS FOR THE PUBLIC WORKS DEPARTMENT**

WHEREAS, pursuant to Neb. Rev. Stat. §23-104(6)(Reissue 2012), 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 2012), the powers of the County as a body are exercised by the County Board; and,

WHEREAS, bids for the dump bodies 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 Palfleet Truck Equipment for Two (2) Fourteen Foot (14') Dump Bodies with Hydraulic Systems in the amount of Eighty Eight Thousand Nine Hundred Eighty Dollars and No Cents (\$88,980.00) is 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.

The above resolution was approved by a vote of the Sarpy County Board of Commissioners at a public meeting duly held in accordance with applicable law on the 13<sup>th</sup> day of May, 2014.

ATTEST:



Debra J. Houghtaling  
Sarpy County Clerk

[Signature]  
Sarpy County Board Chairman

# Sarpy County Purchasing Department

SARPY COUNTY COURTHOUSE  
1210 GOLDEN GATE DRIVE SUITE 1220  
PAPILLION, NE 68046



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

## MEMO

To: Sarpy County Board of Commissioners

From: Beth Garber

Re: Award Bid for Dump Bodies

On May 1, 2014 three bids were opened for two (2) fourteen foot (14') dump bodies with hydraulic systems for the Public Works Department. The dump bodies will be placed on the tandem axle chassis previously awarded by the Board. After reviewing the bids it is recommended the bid be awarded to the low bidder PalFleet Truck Equipment for \$88,980.00. Sarpy County Fleet Services has worked with Palfleet in the past and we feel they are capable of completing the work.

Please feel free to contact me with any questions.

February 18, 2014



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Beth Garber

cc: Deb Houghtaling  
Mark Wayne  
Scott Bovick  
Brian Hanson  
George Funderburk  
Rich Weber

# SARPY COUNTY

## FLEET SERVICE DEPARTMENT

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15100 SOUTH 84<sup>TH</sup> STREET  
PAPILLION, NE 68046  
Phone 402-537-6983  
FAX 402-537-6999

FLEET MANAGER  
George Funderburk  
gfunderburk@sarpy.com

Date: May 7, 2014

To: Beth Garber, Rich Weber, Rod Ripley  
From: George Funderburk  
Ref: 2014 Public Works Dump Body with Hydraulic Systems Bids

I have reviewed the three bids for the 14 foot dump bodies with hydraulics for the two 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 \$88,980 from Palfleet for the two Crysteel Select dump bodies with hydraulic systems.

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

Bid Opening:  
2:00 P.M., Thursday,  
May 1, 2014

	<b>Palfleet</b>	<b>Northern Truck Equipment Corp</b>	<b>ProTech</b>
Unit Price	\$44,490.00	\$46,843.00	\$48,965.00
<b>Extended Price</b>	<b>\$88,980.00</b>	<b>\$93,686.00</b>	<b>\$97,930.00</b>
Make	Crysteel	Crysteel	Brandon
Model	14' Dump Body	Select	FHDP144254
Year	2014	2014	2014
Delivery Date	90-120 Days	140-185 Days	120-180 Days

Palfleet Truck Equipment  
2109 S. 35th St  
CB, Iowa, 51501



TRUCK CO  
FOURTEEN FOOT  
DUMP BODIES  
WITH HYDRAULIC SYSTEM  
AT  
2 PM May 1st  
2014

DEB HOUGBALING  
SHERIFF COUNTY CLERK'S OFFICE  
1210 GILDAN GATE DR. SUITE 1250  
PALLINOVA, IA 52076



*Palflect*

# **COUNTY OF SARPY, NEBRASKA**

## **SPECIFICATIONS**

### **Two (2) New Fourteen Foot (14') Dump Bodies with Hydraulic Systems**

For the

### **Public Works Department**

**PROPOSALS DUE:**

**2:00 p.m., Thursday, May 1, 2014**

## General Information

### Notice to Vendors

Sarpy County is seeking proposals for Two (2) New Fourteen Foot (14') Dump Bodies with Hydraulic Systems for the Public Works Department. The dump bodies will be mounted on 64,000 GVWR Tandem Axle Cab Chassis.

Sealed bids will be received Monday through Friday 8:00 a.m. to 4:45 p.m. except holidays, until Thursday, 2:00 p.m., May 1, 2014. Bids shall be in a sealed envelope, clearly marked "Sealed Bid – Two (2) New Fourteen Foot (14') Dump Bodies with Hydraulic Systems" 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.**

**Requests for information and clarification questions must be received by 12:00 p.m., April 24, 2014 in order for Sarpy County to have time to issue an addendum.**

Bidding criteria must be received from Beth Garber, Purchaser, 1210 Golden Gate Drive Suite 1220, Papillion, NE 68046, (402) 593-4476, bgarber@sarpy.com or via the internet at 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, Suite 1250  
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.

The bid opening will be at 2:00 p.m., May 1, 2014 and will be a public opening to be held in the Sarpy County Executive Meeting Room at 1210 Golden Gate Drive, Papillion, NE.

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**

Evaluation will be done by Beth Garber, Sarpy County Purchaser along with personnel from 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.

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**

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.

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.

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.

Every request for such interpretation or correction should be in writing, addressed to the Sarpy County Purchaser, Beth Garber, 1210 Golden Gate Drive, Papillion, NE 68046 or [bgarber@sarpy.com](mailto:bgarber@sarpy.com). **Requests must be received by 12:00 p.m., April 24, 2014 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**

All addenda will become part of this RFP and must be responded to by each Vendor.

All addenda must be acknowledged in writing in the bid submitted by the Vendor.

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. **Pricing information is not considered financial information and therefore is not considered Confidential.** Please note: even if Vendor believes pricing information is confidential and includes it in a separate, sealed envelope, such information will be read aloud and entered into record during the public bid opening. For all other appropriately identified proprietary, trade secret, or confidential commercial or financial information, 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 upon request.

## **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 a monthly 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. Termination**

Either party may terminate the Contract with ninety (90) days' written notice to the other.

## **9. 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:

- a) 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).
- b) 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.
- c) 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.

## **10. 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.

## **11. Assignment**

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

## **12. 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.

## **13. 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.

## **14. 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 2015 Freightliner 114SD**

1. Company Information:

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

1. Years in business
2. Number of employees
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 RFP. 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.

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:

Delivery is 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 Service 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".

**Technical Specifications**

Any reference to brand names and/or number in the Request for Proposal is intended to be descriptive, but not restrictive, unless otherwise specified. Other brands, of approved equal quality, may be considered for award. In the event of substitution, your proposal must clearly describe the article and the proposal must state the brand name and product number of the substitution offered. The determination of the Sarpy County Purchasing Department, in consultation with the ordering office, shall be final and conclusive in determining the equality of alternates.

**YES/NO**

**I. DUMP BOX BODY**

A. Dump body shall be a heavy duty steel western style with a non-cross-member 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 non-cross-member 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 pockets for extension sideboards.
- 7. Pockets shall accept a 3" x 12" full bridge plank, pockets made of 1/4 inch steel x 12" inch high, three (3) pockets per side, front, middle and rear.
- 8. High density poly side boards shall be install and bolted into front, middle and rear side pockets. Poly side boards shall be 12" tall. *(2) 6" panels*
- 9. Two (2) body props: one (1) left hand and one (1) right hand are required.
- 10. Left front body side shall have a pull out adjustable drop down ladder for access from ground. Upper ladder shall have two (2) steps and two (2) hand holds for operator access to top of body. Left front lower corner of box shall have step added for transition from cab step to box. Left front inside of box shall have two (2) steps added for operator to exit from inside of box. All steps shall be made of extruded grip-strut type material.

YES/NO

11. 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.

4. Floor to side joint shall have a radius design.

C. Body Sides

1. 3/16 inch thick minimum AR400 steel.

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

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

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

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 member and fabricated of one sheet to a box section.

6. Chain slot banjo brackets shall be welded on the top rear corners (53"7/8) up from the bottom edge of the corner post. The lower chain slot banjo brackets shall be welded (14 3/4") up from the bottom edge of the corner post.

D. Front Panel

1. 3/16 inch thick minimum AR400 steel.

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

3. One (1) piece design.

4. Upper inside stiffener of front panel shall have sander mounting tubes welded to the bottom side of stiffener. Tubes shall be placed 25" in from the inside edge of the dump box. The tube diameter shall be 2" outside diameter with 3/8 wall x 3" long. **Contact Fleet Service with any questions.**

YES/NO

  /    

5. Specify type design

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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.

X/    

5. Tailgate shall have horizontal or 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 shall be welded below the top horizontal brace on the inside edge of the tailgate. The chains will extend 72" to reach the lower brackets on the inside edge of the tailgate. The chains will go through the brackets to the lower chain slot brackets to secure and adjust the tailgate. 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. Solenoid shall be mounted separate from cylinder behind truck cab on bracket for easy access and repair.

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.

YES/NO

F. Hoist Well

- 1. 7 gauge minimum A1011 steel.
- 2. 65,000 P.S.I. tensile strength steel.
- 3. Extension into body shall be between 12" to 15" and not exceed 15".

G. Cab Protector Shield

- 1. 7 gauge minimum A1101 steel.
- 2. 65,000 P.S.I. tensile strength steel.
- 3. Half cab protection.
- 4. Cab protector shield shall be reasonably close to top of cab.
- 5. Cab protector shield shall be same width as widest part of cab above doors. **84.142" WIDE**
- 6. All seams to be continuously welded. Skip welding will not be accepted.
- 7. Cab protector shall meet all OSHA standards.
- 8. Cab protector shall have provisions that will allow draining of water.
- 9. Cab protector installation and alterations shall be provided as needed for chassis provided.

H. Hoist System

- 1. Hoist designed for lowest body mounting.
- 2. NTEA Classification 120 minimum.  
State NTEA Classification \_\_\_\_\_

- 3. High polished, hard-chrome cylinder
- 4. Composite bearing in all joints for grease free operation.

State Manufacturer and Model of Hoist:

Hoist Manufacturer HYCO

Hoist Model M63138 Sinter Actinb

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

YES/NO

- X/\_\_\_ 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.~~

**Note: Box location and mounting will be inspected prior to welding in place by Fleet Service.**

I. Body Finish

- X/\_\_\_ 1. Dump body, cab protector, understructure, piping, pump and hydraulic components must be thoroughly cleaned and metal treated per paint manufacturer's recommendation.
- \_\_\_/\_\_\_ <sup>FACTORY</sup> X 2. Metal will be completely primed with rust inhibitive primer/sealer that is recommended by the paint manufacturer and compatible with top coat. Minimum of two (2) coats primer on all components is required.
- X/\_\_\_ 3. Automotive seam sealer will be applied to all open seams.
- X/\_\_\_ 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.
- X/\_\_\_ 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.
- X/\_\_\_ 7. Bidder must submit information on brand, type of paint and primer:  
Paint manufacturer \_\_\_\_\_  
Paint type Genesis II  
Primer Sherwin Williams 2 COAT EPOXY

J. Lights/Equipment

- X/\_\_\_ 1. Lights to comply with D.O.T. Federal and State safety regulations.
- X/\_\_\_ 2. All lights to be recessed into body.
- X/\_\_\_ 3. Rear oval stop/ turn signal, marker lights and oval backup lights - one (1) each side in rear vertical end braces. **All lights shall be LED design**
- X/\_\_\_ 4. Whelen Three-Light package system, Dot3702A installed.

**YES/NO**

- 5. Rear strobe lights shall be mounted in each rear vertical end brace.
- 6. Front strobe mounted on roof of truck cab.
- 7. Two (2) Sound Off-Signal (ENT3B3A) surface mounted strobe lights shall be mounted on lower body seam of cab. One on each side of truck cab. Brackets shall be made of stainless steel for mounting of lights.  
**Contact Fleet Service for placement of lights.**
- 8. All wiring, light fixtures and connections mounted to protect from adverse weather operating conditions in snow, mud, rock, etc.
- 9. All electrical connections shall be properly soldered and weather sealed with heat shrink.
- 10. All wiring and connections shall meet Truck Chassis manufacturer's recommendations for body installations.
- 11. 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

- 1. The hydraulic system shall provide hydraulic power for the operation of the hoist and dump body operation, salt/sanding hopper system, and snow plow operation.
- 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

- 1. The hydraulic pump shall be a U.S. manufactured axial piston pressure and flow compensated load-sensing type. The pump shall be cast iron construction and rated to 4.67 cubic inches per revolution at maximum stroke which will deliver 19.2 GPM @ 1000 RPM. The pump shall have a 2" inch suction line and ¾" case drain line plumbed directly back to the reservoir. The pump shall be rated for 4000 PSI maximum and 3500 PSI continuous. The pump shall have a severe duty, high pressure outboard Teflon shaft seal that protects the pump shaft bearing and seal from external contamination and salt spray. The pump shall have a 1¼" keyed drive shaft and SAE type C mounting flange. The pump shall be a Force America FASD34R or prior approved equal.

YES/NO

State make, model, size and type of pump

OIL GEAR FASD34R 4.67  
CIO PISTON PUMP

C. PTO

1. The power take off (PTO) shall be mounted to an Allison automatic 4500 RDS transmission. The PTO shall be a hotshift type and rated to run at 90-110% of engine RPM. The PTO shall be rated to handle a constant torque of 200 ft/lb. The output shaft shall be 1-1/4" keyed. The PTO shall be a Parker Chelsea 277 series or approved equal.

2. 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. PTO to be engaged only when the engine speed is at idle and vehicle speed is less than fifteen (15) mph. PTO is to disengage when vehicle speed exceeds thirty-seven (37) mph.

**NOTE: Contact purchasing in writing for information about PTO type and set-up at [bgarber@sarpy.com](mailto:bgarber@sarpy.com).**

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

State manufacturer, model and type of PTO:

\_\_\_\_\_

D. Shut Down

1. Shut down System: There shall be a sensor for low oil mounted in 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 powering it 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.

E. Mounting

1. The hydraulic pump shall be mounted with shaft centerline parallel to the PTO output shaft centerline and at a level to create not more than a

YES/NO

**three-degrees of angle** on the driveline. The pump mounting shall be incorporated with a bracket fabricated to mount in the frame rails of the truck.

F. Driveline

1. The hydraulic pump shall be driven directly off the PTO output shaft via a splined driveline to allow for movement. The driveline shall include grease fittings on both u-joints. Driveline shall be a **Model 1310 series** with Spicer 4 bolt Flange Yokes for easy removal of PTO shaft.  
PTO-PUMP Flange part # N2-1-13134.  
Drive Shaft Flange part # 2-2-329

G. Reservoir/ Valve Enclosure

1. The hydraulic reservoir will be of 35 gallons nominal capacity.
2. The hydraulic reservoir will be constructed of 10-gauge stainless steel and be internally baffled.
3. Mounting bracket is to be designed and supplied by the reservoir supplier.
4. Mounting system should allow for a 1" frame clearance for frame obstructions.
5. Tank shall be mounted in a manner as to not transmit any truck torsional loads through the tank.
6. The enclosure will use a gasket-less passive technology. (No rubber seals, gaskets, or weather stripping.)
7. The enclosure lid will be removable within seconds by one person without the use of tools.
8. All valve fittings, hose ends, filter, filler breather, sending units and any electrical connections are to be protected by enclosure cover.
9. The reservoir supplier will provide all valve fittings (JIC connections) and plumb the return line from the valve to the filter.
10. The cover will protect from both road and pressure washer spray.
11. The use of bulkhead fittings is not permitted.
12. The directional control valve must be easily accessible from all (6) sides without the use of tools.

**YES/NO**

- X/\_\_\_ 13. Hose exit and entrance must allow for components to be mounted adjacent to the enclosure.
- X/\_\_\_ 14. A 2" full flow brass ball valve shall be plumbed at the suction port of the tank.
- X/\_\_\_ 15. A low oil/high temp sending unit shall be mounted in the reservoir.
- X/\_\_\_ 16. The valve/tank assembly shall be a Force America Model "VT35 Valve/Tank Assembly" or prior approved equal.

H. Hydraulic Filter System

- X/\_\_\_ 1. Hydraulic oil filter shall be mounted in the reservoir. Hydraulic filter shall be a 16-micron absolute and rated for no less than 60 GPM. Filter shall be model TS160025150/2SRE40910E or prior approved equal and include visual and electrical bypass indicators. A warning light shall be mounted in the cab and wired to the electrical indicator. The system shall be delivered with one spare filter element.

I. Hydraulic Control Valve

- X/\_\_\_ 1. The hydraulic valve shall be of modular manifold design. Each hydraulic function requires an individual manifold stacked together to form the manifold base. The manifold base shall consist of an inlet section with SAE #16 inlet porting, SAE #20 outlet porting, and SAE #4 load sense porting. There shall be a main system relief in the inlet section to protect the system from high pressure in case the pump compensators fail. The dump body manifold shall be stacked next to the inlet section, and capable of 40 GPM with SAE #12 porting. The hydraulic control valves shall be pulse-width modulated, proportionally controlled. Each hydraulic valve segment shall be individually mounted to the manifold base assembly and be serviceable without removing any hydraulic hoses or any other hydraulic valve segments. Each hydraulic valve segment shall have individual pressure compensation to achieve independent simultaneous operations. All segments shall have heavy-duty continuous duty coils and connections shall be with Din connectors. All coils shall operate at 12 VDC and require a maximum of 1400 milli-amps. Each segment shall be equipped with a manual override except for the auger and spinner sections. The dump body segment shall be rated to 40 GPM, with all other segments rated to 20 GPM. If a double acting hoist is utilized, the dump body segment shall be equipped with a down side relief to protect the body down function. This relief shall be set to the hoist manufacturer's specifications. Valve segments shall be Force America Add-A-Fold® 4020 model or prior approved equal.

YES/NO

J. Integrated Plow Power Float

X/\_\_\_

1. The plow power float shall be counterbalance valve that has the ability to take some of the plows weight off the blade and on to the front of the plow truck. The valve shall work by supplying pressure to the lift cylinder to partially lift the Plow. The same valve works for both single and double acting plow lift cylinders. Unused ports are plugged.

Electrical switching shall be provided in the control console to automatically turn the valve off in order to hold the plow in the raised position. If the counterbalance valve is not turned off the plow will drift down after it is raised. Float pressure will need to be adjusted to insure that the plow drifts down at the right speed. The valve shall use a pressure reducing/ relieving valve to control the float lift pressure. Two solenoid valves wired together turn the valve off and on. One solenoid valve opens the inlet pressure valve to the pump. The other solenoid valve opens the outlet of the pressure reducing/ relieving valve to the lift port.

Oil flowing in and out of the lift port is restricted with an orifice.

The valve is to be arranged as follows:

Hoist:	40 GPM, 4-way with 500 PSI down side work port relief valve
Plow lift:	21 GPM, 4-way with integrated plow power float
Plow angle:	21 GPM, 4-way
Auger:	14 GPM, 2-way proportional cartridge
Spinner:	7 GPM, 2-way proportional cartridge

K. Hydraulic - Piping, Fittings, Coupler, Hoses

X/\_\_\_

1. All hydraulic lines and plumbing shall be of sufficient capacity so as not to create heat or turbulence within hydraulic system. Suction line between reservoir and pump shall be a minimum of 2 in. I.D. with a minimum SAE 100-R4 rating and shall be secured on both ends via heavy duty banding straps, radiator hose clamps unacceptable. All pressure hoses, including signal sense to pump shall have swivel fittings on both ends and have a minimum SAE 100-R2 rating. Return lines and case drain shall have minimum SAE 100-R1 rating.

X/\_\_\_

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

YES/NO

X/\_\_\_

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

X/\_\_\_

4. Installer shall provide hydraulic quick couplers for plow reversing cylinders. Two (2) Aeroquip 5601-8-10S and two (2) Aeroquip 5602-8-10S.

**NOTE: Location and mounting instructions per Sarpy County Fleet Service.**

X/\_\_\_

5. Velocity fuse on main hydraulic line by pump to lock up if failure of hydraulic hoses.

X/\_\_\_

6. Installer shall provide hydraulic quick couplers for sander/spreader. 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.

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

III. CAB CONTROL CENTER

X/\_\_\_

1. Controls for all valve functions and electronic spreader control will be integrated into a single, self-contained control center. The control center shall be a padded armrest style that is ergonomically designed. Control center shall be modular in design for ease of installation and service, and wiring and connectors shall be keyed and color-coded throughout. All components must be durable for long life and trouble free operation.

X/\_\_\_

2. The electronic controller shall be a fully proportional multi-stick controller to operate all cylinder functions. Multi-stick PWM driver electronics shall include as standard the capability to control at least 9 proportional outputs simultaneously. The control is available in a 3-stick or 4-stick configuration. Controls for spreader must be located on armrest at the operators fingertips. There shall also be four auxiliary rocker switches available with an additional fifth switch being the main power switch for the spreader control. The switches shall be located between the joysticks and spreader control interface and each shall be rated for 15 amps continuous current minimum. Console options shall be capable of supplying full rated power to switch outputs when all four auxiliary switches are at full 15 amp load.

SWITCHES

1. PTO: on/off
2. Tail gate: open/closed
3. Strobe lights: on/off
4. Plow lights: on/off

X/ —

3. For ease of operation the multi-stick control shall include the following features: LED-backlit nomenclature for all joystick functions and a momentary push-button at the top of the hoist stick to provide hoist -interlock. The “Hoist” decal shall be illuminated amber while disabled, and change to green backlighting when the driver engages the hoist interlock button. The green “Hoist” LEDs shall remain illuminated while the hoist is under operation and shall time-out after a period of hoist inactivity that is selectable from 0 to 15 seconds. To ensure longevity of performance all lighting to be solid-state LED technology. The use of incandescent lamps or EL backlighting is unacceptable

X/ —

4. The plow, wing, scraper, or other joysticks shall have the option to include a momentary pushbutton for activation of remote spreader standby, remote spreader blast, or electric joystick interlock. The multi-stick communication hardware/software shall include 4 integral float options. The use of add-on float modules is unacceptable. For flexibility of use the integral float programming shall have the following standard features:
  1. (4) axis functional float on any or all of the outputs with selectable forward/back, right/left functionality
  2. 3-way or 4-way functionality
  3. Selectable (3) second float delay timer
  4. Optional float enable switch inputs
  5. When float output for a given joystick function is active, the LED backlit nomenclature shall blink ON/OFF to provide visual feedback to the operator that the float function is engaged.

X/ —

5. All function joysticks shall be of contact-less Hall-effect design and offer up to a 5-Million cycle life. The use of potentiometers is unacceptable. To increase safety of operation, joystick communication hardware/software shall include the following standard features:
  1. Input power monitor circuitry with power quality diagnostics
  2. Redundant dual-reference joystick signals for each joystick axis

3. Joystick input off-center checking on all axis and output shutdown on system power-up
4. Joystick out-of-range fault condition checking and output shutdown
5. True outputs off with joystick centered
6. LED backlit nomenclature shall illuminate and flash RED when any error condition exists and an audible alarm shall sound
7. Technology that is capable of using a supervisor key to provide access to the calibration parameters without the access code. The entire operator interface shall be backlit and encased in flexible silicone material with wear – limiting coating applied to the base silicone material. The LED-backlit nomenclature shall blink ON/OFF with increasing frequency as the corresponding function is increased in speed to give the operator visual feedback of each joystick output.

X/\_\_\_

6. Multi-stick control shall communicate all joystick data over the spreader control CAN bus. For ease of service and diagnostics the multi-stick control shall have the following easily accessible through the spreader control calibration menus:
  1. Unique MIN/MAX adjustments for each joystick function (forward, back, left and right)
  2. On-screen output status indicators for each PWM output
  3. Audible and visible output error status indicators with flashing error codes for each joystick function
  4. The multi-stick control joystick outputs shall be communicated over the spreader control CAN bus to the Valve Module. Spreader control outputs and joystick control outputs shall be operated on the same Valve Module, or multiple modules as necessary.

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

X/\_\_\_

7. The electronic spreader control shall be designed for precise, closed-loop control of granular and pre-wet liquid applications and operate on a CAN Bus protocol. The Central Processing Unit (CPU) shall have keyed and color coded connections to prevent incorrect installation. The CPU shall be mounted in the cab with visual access to diagnostic LED's. Mounting of the CPU unit outside of the cab is unacceptable. The unit shall have USB connectivity for file and data

transfer, Ethernet connection, a J1939 communication port for connection to the vehicle bus, a second CAN bus communication port for spreader-only data use, a J1708 connection for a temperature sensor, and a RS-232 connection for AVL communication. The CPU shall have on-board diagnostics, which provide real-time status of CAN bus communication, processor activity, and power status. The CPU shall have a built-in audible alarm for diagnostic purposes. The CPU operating system shall NOT be Windows-based.

X/\_\_

8. The spreader control interface shall have two, color-coded, continuous rotation encoders for granular and spinner control. These encoders shall have integrated push buttons for blast mode and stand-by. The controller shall have a third multifunction 4-way joystick that has an integrated rotary encoder and push button, that can be used for menu navigation, prewet liquid control or an additional conveyor function. There shall be four, two - way soft keys included in the interface that are generically labeled and user-configurable for different functions depending on the equipment needs. The controller shall also utilize iButton technology that is capable of using a Supervisor key to provide access to the calibration parameters without the access code. The entire operator interface shall be backlit and encased in flexible silicone material with wear-limiting coating applied to the base silicone material. The operator interface shall communicate on the spreader control system CAN bus.

X/\_\_

9. The spreader control display shall be a remotely-mounted, 7" diagonal Color TFT LCD, with a low-profile 16:9 widescreen format and minimum of 800X480 pixel resolution. LCD shall have variable LED backlighting. CCFL backlighting is unacceptable. The display shall include a scratch resistant polycarbonate lens with anti-glare coating. A power status LED shall be immediately visible on the front of the display and shall report display diagnostics including loss of CAN communication. Display unit shall have a built-in audible alarm. To avoid driver distraction, the display shall have no integrated dials or pushbuttons and shall not be touch screen. LCD shall communicate on the spreader control system CAN bus.

X/\_\_

10. The operator menus shall be color-coded to match the encoder knobs on the operator interface. The display shall be capable of displaying the following on-screen simultaneously: Granular material name, granular material set point and actual application rate including units of measure, pre-wet liquid name, pre-wet liquid set point and actual application rate including units of measure, spread width, road temperature, air temperature, material usage total, liquid usage total, vehicle speed, and current date and time. The operator shall have the option of selecting five data items to be displayed onscreen during operation. The display will also provide four warning light indicators for low oil level, body up, oil temp, and filter bypass. These warning lights are to be functional regardless of spreader operation or status.

X/\_\_

11. The display must provide visual indication that the spreader control is connected to a compatible AVL device, if equipped. The spreader control shall warn operator if communication with the AVL device fails at power-up.

X/\_\_\_

12. A proportional PWM driver and input module (Valve Module) shall be remotely mounted inside the hydraulic valve enclosure for control of both spreader control and joystick control outputs. The entire Valve Module shall be of rugged design for the mobile environment, and must meet p68 requirements for dust and water ingress. The Valve Module shall include a minimum of eight proportional PWM outputs with potted valve output connections. All outputs shall be protected against short-circuits. Outputs shall be current-compensated and have adjustable PWM frequency. There shall be a minimum of five switch-to-ground type inputs for monitoring hydraulic system inputs such as oil level, body up, Hi and low filter bypass, and oil temperature warnings. A minimum of two switch-to-ground type pulse train inputs shall be included in the Valve Module for connection of feedback sensors such as auger feedback and pre-wet liquid flow meter feedback. A keyed and color-coded connection shall be provided for CAN bus connection to the CPU module inside the cab. A second CAN bus connection must be provided for daisy-chaining of multiple Valve Modules within the valve enclosure. Diagnostic LED's shall be included for every input and output on the Valve Module, as well as a power status LED and CAN bus activity LED's. The Valve Module shall be potted. The Valve Module shall include a stainless steel legend plate with engraved text for easy cleaning and identification of Valve Module connections.

X/\_\_\_

13. The integrated spreader control and joystick control system shall be equipped with a qualified ESTOP device that immediately disconnects battery power from all outputs. All spreader control and joystick-operated outputs shall immediately cease to function and the system display shall inform the operator that the ESTOP device has been activated. The Estop device must remove power from all output devices, while maintaining power to the display and CPU for diagnostic purposes. Resetting of the ESTOP device shall not result in spreader control and joystick-operated outputs returning to an ON state without operator acknowledgement.

X/\_\_\_

14. The control center arm shall be mounted to the floor via a switch base cabinet that contains at least 8 rocker type switches rated to 15 amps each. The switch base shall be supplied an 80 amp contact relay. Each switch shall be protected via an auto reset breaker. Each rocker switch shall have a custom backlit LED legend.

The Control Center shall be equipped with a 6100 series spreader controller.

**IV. INSTALLATION**

X/\_\_\_

1. The installer shall be responsible to ensure the proper location of the body on the truck to obtain the best working results.

X/\_\_\_

2. Dump body hinge shall be recessed into the chassis frame and solidly welded.

**YES/NO**

- 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.
- 7. No welding or cutting of chassis frame rails except as stated elsewhere in the specification.
- 8. Welds must be chipped free of slag and thoroughly protected with white or black paint as appropriate.
- 9. 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**

- 1. Two (2) Operator Manuals CD/Flash Drive.
  - 2. Two (2) Service Manuals CD/Flash Drive.
  - 3. Two (2) Parts Manuals CD/Flash Drive.
- Note: Service and parts manuals on CD will be acceptable.**
- 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.
  - 5. A minimum of two (2) hours of operator training for Sarpy County Public Works Department Staff is required.

**VI. WARRANTY/GUARANTEE**

- 1. Full five (5) year warranty on body, hoist. Full two (2) year warranty on pump, lines, reservoir, valves, controls and installation.
- 2. Regular manufacturer's standard warranty, manufacturers statement of origin and complete pre-delivery inspection certificates required with truck at delivery.
- 3. The manufacturer's standard warranty shall be stated in the bid.

YES/NO

- 4. All warranty work shall be performed within one hundred fifty (150) miles of Sarpy County Fleet Shop at 15100 So. 84th Street, Papillion, NE 68046.
- 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.
- 6. Warranty to be effective from date of issuance of first assignment.

State terms of warranty \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**VII. DELIVERY**

- 1. Delivery shall be to Sarpy County Fleet Service Department at 15100 South 84th Street, Papillion, Nebraska, 68046.
- 2. Contact Fleet Services, 24 hours prior to delivery at (402) 537-6980.
- 3. Specify delivery date: 120 DAYS ARO

EXCEPTIONS/CLARIFICATIONS/COMMENTS

1. #8 2 6" Panels = 12"  
SECT(E)
2. #6 1 1/2
3. Body finish (1) COAT PAINT PRIMER) (1) COAT <sup>more</sup> BEFORE PAINT
4. SECTION H #6 T.E.D RESPONSIBLE FOR WEATHER  
PROOF ENCLOSURE FOR SWITCH
5. WATER PROOF ENCLOSURE BY PALFLET
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_
13. \_\_\_\_\_
14. \_\_\_\_\_
15. \_\_\_\_\_

COMPANY NAME: Palfleet Truck Equipment

Sarpy County, Nebraska  
Two (2) New Fourteen Foot (14') Dump Bodies with Hydraulic Systems  
Bid Form

Company Name: Palfleet Truck Equipment

Make: CRysteel Model: 14' DUMP BODY

Year: 2014

The undersigned, having carefully examined the specifications and other contract documents for furnishing Two (2) new Fourteen Foot (14') Dump Bodies 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 \$ 44,490.<sup>00</sup> EA  
EXTENDED PRICE \$ 88,980.<sup>00</sup> (2)

\*Prices are to be F.O.B. - 15100 S. 84<sup>th</sup> Street, Papillion, NE 68046

DELIVERY DATE: 90 - 120 DAYS

**Company Information**

Years in business: 40

Number of employees: 20

Total sales last 3 years: 15 Million

**References**

Company Name: CITY OF OMAHA Fleet Management  
 Address: 2606 N. 26<sup>th</sup> ST OMAHA, NE 68111  
 Contact Name: Mark McCoy Phone Number: 402-444-5402  
 Date of Purchase: \_\_\_\_\_ Email: \_\_\_\_\_

Company Name: CITY OF Council Bluffs  
 Address: 209 PEARL ST CB, Iowa, 51503  
 Contact Name: Dave McDermitt Phone Number: 712-328-4607  
 Date of Purchase: \_\_\_\_\_ Email: \_\_\_\_\_

Company Name: M.U.D.  
 Address: 3100 S. 61<sup>ST</sup> Ave Omaha, NE 68106  
 Contact Name: Steve Stezak Phone Number: 402-554-7854  
 Date of Purchase: \_\_\_\_\_ Email: \_\_\_\_\_

I certify that this bid is submitted in accordance with the specifications issued by Sarpy County. I affirm that the original Specifications have not been altered in any way. Any alteration of the original Specifications, outside of an alternate bid, may be considered grounds for refusal of the bid.

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

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

**Attachments:**                      **Warranty Information**  
**Literature/Cut-sheets – 3 sets (Detailed specifications or advertising literature with cuts or photographs)**

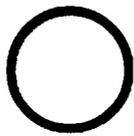
<u>Palfleet Truck Equipment</u>	<u>KEVIN Minino</u>
Company Name	Company Representative (Please print)
<u>Kevin Minino</u>	<u>712-323-7116</u>
Authorized Signature	Telephone Number
<u>2109 S. 35<sup>th</sup> ST</u>	<u>712-325-1771</u>
Address	Fax Number
<u>CB, Iowa, 51501</u>	<u>K.Minino@Palfleet.com</u>
City, State & Zip	E-Mail Address

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

Attachment A

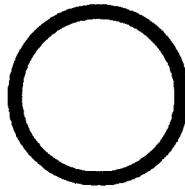
Sarpy County Truck  
Rear Hydraulic Coupler  
Configuration for Spreader

Conveyor



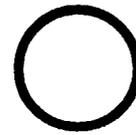
Female

Return



Male

Spinner



Male

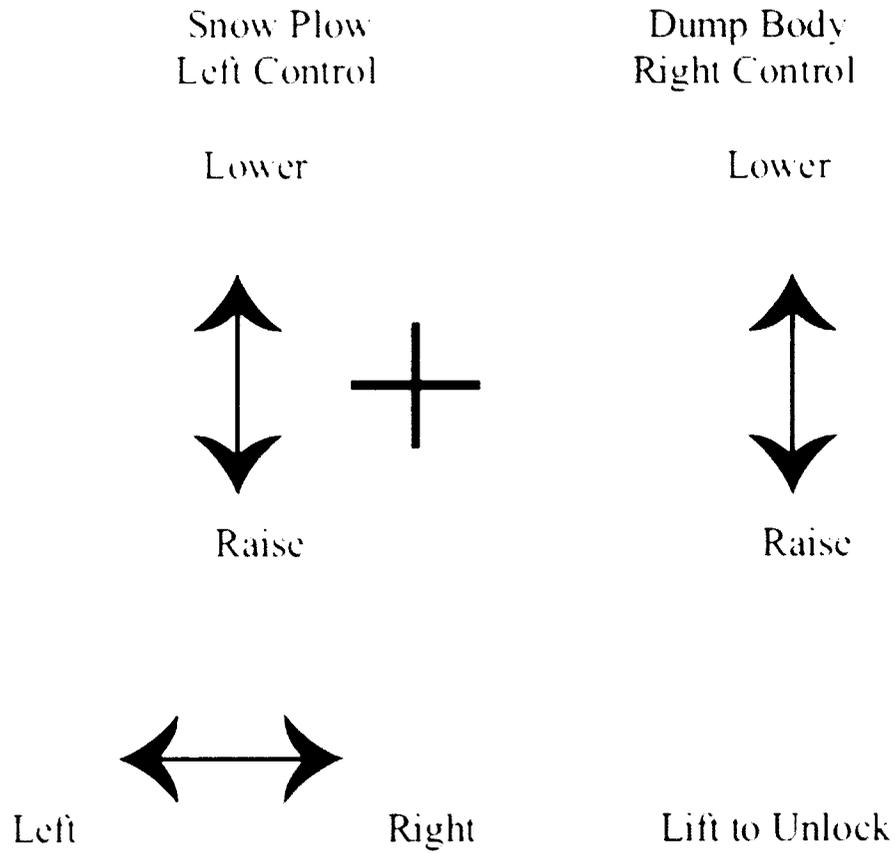
Couplers: AeroQuip 5600 Series

Conveyor and Spinner Size:  $\frac{3}{4}$  inch (12-12)

Return Line Size: 1 inch (16-16)

Attachment B

Plow and Dump Body Hoist Control Joysticks



**Attachment C  
Sarpy County Public Works**

300 AND 400 PRODUCT FAMILIES TROUBLESHOOTING MANUAL ALLISON 7. GENERATION CONTROLS

**APPENDIX P – INPUT/OUTPUT FUNCTIONS**

**WARNING!**

These schematics show the intended use of the specified controls features which have been validated in the configuration shown. Any miswiring or use of these features which differs from that shown could cause unscheduled operation of the PTO or other unpredictable operation resulting in damage to equipment or property, personal injury, or loss of life. ALLISON TRANSMISSION IS NOT LIABLE FOR THE CONSEQUENCES ASSOCIATED WITH MISWIRING OR UNINTENDED USE OF THESE FEATURES.

**INPUT FUNCTION C. PTO ENABLE – SWITCHED TO POWER (WIRE 143)**

*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)

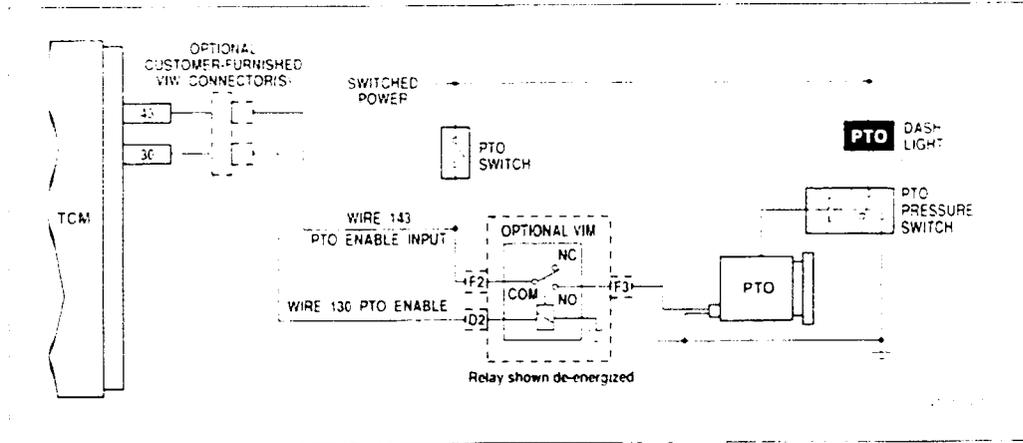


Figure P-3. PTO Enable—Switched to Power (Wire 143)