

BOARD OF COMMISSIONERS
SARPY COUNTY, NEBRASKA

**RESOLUTION AWARDING BID FOR ONE (1) NEW 33,000 SINGLE AXLE CAB CHASSIS WITH SERVICE BODY,
FRAME MOUNTED POST PULLER AND HIREACH AERIAL WORK PLATFORM
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 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.

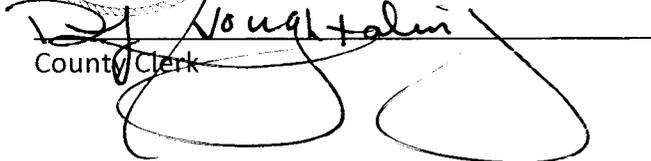
NOW, THEREFORE, BE IT RESOLVED BY THIS BOARD OF COUNTY COMMISSIONERS THAT:

- (1) The most advantageous bid of Omaha Truck Center for One (1) New 33,000 Single Axle Cab Chassis with Service Body, Frame Mounted Post Puller and HiReach Aerial Work Platform in the amount of Two Hundred Thirty Thousand Five Hundred Twenty One Dollars and No Cents (\$230,521.00) 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 17th day of September, 2013.


Sarpy County Board Chairman

Attest:


County Clerk

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 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: Sign Truck Bid Award

On August 22, 2013 the County opened bids for One (1) New 33,000 Single Axle Cab Chassis with Service Body, Frame Mounted Post Puller and HiReach Aerial Work Platform. Omaha Truck Center bid a 2014 and a 2015 chassis with only about a \$1,000 difference in price. Since the crane portion of the truck is 275 days out it is recommended the County purchase the lowest responsible bid from Omaha Truck for the 2015 chassis for \$230,521.00.

The 2015 chassis will be delivered approximately the same time the crane is ready. This has a benefit of the warranty for the chassis being valid for the full first year the County utilizes the truck. The new truck will have several improved safety features including tool compartments on the passenger side of the chassis, allowing servicing without going into traffic.

September 10, 2013

Beth Garber

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

Beth Garber

From: Rich Weber
Sent: Thursday, September 12, 2013 10:05 AM
To: Beth Garber
Cc: George Funderburk; Denny Wilson
Subject: Sign Truck
Attachments: PublicWorks@sarpy.com_20130912_100257.pdf

Beth;

After reviewing the two bids for the Aerial Work Platform Sign Truck. I would recommend that the Public Works Department purchase the lowest bid with the option 2015 Freightliner from Omaha Truck Center for \$230,521.00. This truck will be replacing a 1993 with 358408 miles on it. The new truck will be equipped with a service body and aerial platform which will make it a very efficient and much safer vehicle to work out of when repairing traffic signals and doing sign maintenance. I have attached pictures of our current truck showing the rust and corrosion, also note the picture with the board pulled out of the frame this is where the Sign Technician stands when working on the signs.

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



2013/09/12



2013/09/12



42072

N70

NATIONAL

2013/09/12



2013/09/12

PTO





▲ DANGER

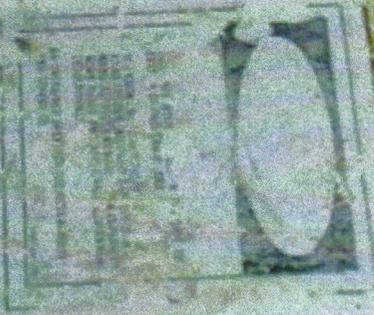
FALLING FROM ANY POINT
WILL RESULT IN
DEATH OR SERIOUS INJURY

Persons performing work under
a safety belt with a lanyard
attached to another personnel



CAUTION

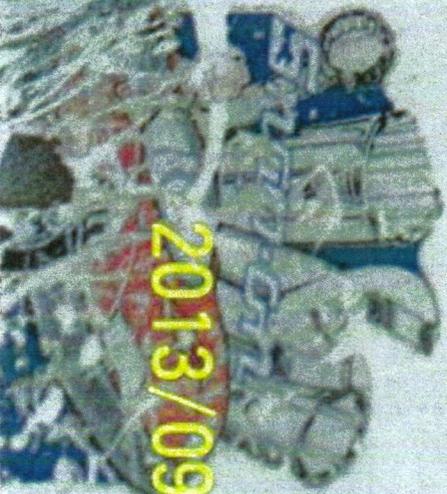
Do not touch the
inner surface of the
cylinder. The inner
surface is extremely
hot and may cause
serious burns.



CAUTION

Do not touch the
inner surface of the
cylinder. The inner
surface is extremely
hot and may cause
serious burns.

2013/09/12



SARPY COUNTY

FLEET SERVICE DEPARTMENT

15100 SOUTH 84TH STREET
PAPILLION, NE 68046
Phone 402-537-6980
FAX 402-537-6999

FLEET MANAGER
George Funderburk
gfunderburk@sarpy.com

Date: September 4, 2013

To: Beth Garber
From: George Funderburk
Ref: Public Works Sign Truck Recommendation

I have reviewed the two bids for the Public Works Sign Truck. I would recommend that we purchase the lowest bid from Omaha Truck Center for the 2015 Freightliner M2 106 4x2 for the cost of \$230,521.00. The build date for the crane from Elliott Equipment is 270 days out from time of order. This delay in the building of the crane will move the truck build out to the end of April, or first part of May 2014.

Any questions please call # 402-537-6980

CC: Rich Weber

One (1) New 33,000 Single Axle Cab Chassis with
 Service Body, Frame Mounted Post Puller and HiReach Aerial Work Platform

2:00 p.m., Thursday
 August 22, 2013

Bid Tab

	Wise-Mack, Inc.	Omaha Truck Center	Omaha Truck Center
Unit Price	\$243,804.00	\$229,540.00	\$230,521.00
Make	2014 Mack	2014 Freightliner	2015 Freightliner
Model	GU432 Granite	M2106 4x2	M2106 4x2
Build Out Date	11/1/2013	60 Days	March, 2014



FREIGHTLINER GMC

P.O. BOX 27379
OMAHA, NE 68127-0379

OMAHA TRUCK CENTER, INC.



Deb Houghtaling
Serp County Clerk's Office
1210 Golden Gate Drive
Papillion, NE 68046
ON 1:29pm

COUNTY OF SARPY, NEBRASKA SPECIFICATIONS

**One (1) - New - 33,000 GVWR
Single Axle - Cab Chassis with
Service Body, Frame Mounted Post Puller
and HiReach Aerial Work Platform**

**For the
Public Works Department**

**PROPOSALS DUE:
THURSDAY, AUGUST 1, 2013**

THURS, AUG 22, 2013 - 2pm

General Information

Notice to Vendors

Sarpy County is seeking proposals for One (1) - New - 33,000 GVWR Single Axle Cab Chassis for the Sarpy County Public Works.

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, August 1, 2013. Bids shall be in a sealed envelope, clearly marked Sealed Bid - One (1) - New - 33,000 GVWR Single Axle Cab Chassis 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 July 25, 2013 at 12:00 P.M. 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 1129, Papillion, NE. 68046. Bidding criteria are also available on the internet at www.sarpy.com or from Beth Garber, Purchaser (402) 593-4476 voice, or bgarber@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 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 A at 1210 Golden Gate Drive, Suite 1126, Papillion, NE. 68046. The bid opening will be at 2:00 p.m., Thursday, August 1, 2013.

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, or demonstration. All such costs shall be the responsibility of the Vendor.

The bids shall include all charges and applicable taxes, F.O.B., 15100 S. 84th Street, Papillion, Nebraska, 68046. 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 Garber, Sarpy County Purchaser, Rich Weber, Sarpy County Public Works Department and George Funderburk, Sarpy County Fleet Service. 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 or by calling (402) 593-4158 for agenda information. 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 Garber, 1210 Golden Gate Drive, Suite 1129, Papillion, NE. 68046, voice (402) 593-4476, FAX (402) 593-4304. **Requests must be received by 12:00 p.m., July 25, 2013 before proposals are due in order for Sarpy County to have time to issue an addendum. Requests received after the 96 hour 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 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 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 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:

- 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.
- 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.

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 agreement 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.

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.

14. Brand Name References:

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.

Specifications:

1. The truck complete with enclosed cab furnished under this specification shall be the latest model, standard production unit, offered to the general trade, equal in every respect to the construction and performance characteristic shown in the manufacturer's specifications and descriptive literature for this type of truck as manufactured and advertised for delivery in the continental United States and including all equipment normally offered and installed at the factory. **A stripped truck version is specifically excluded.**

2. Engine Bores, main bearing, connection rod, bearing and wrist pins shall not exceed the manufacturer's established size tolerance.
3. All trucks offered must meet or exceed the following minimum specifications. It is intended the manufacturer will build the truck to these specifications and the selling or servicing dealer will be required only to perform the normal pre-delivery service and not be required to modify, alter, exchange, assemble, install or paint various components to meet these specifications.
4. Truck shall be guaranteed to include all the latest engineering developments adopted by the company applying to transmission, fuel system, engine and accessories and to possess the capability of operation on diesel fuel.
5. All trucks shall comply with all current provisions of the National Traffic and Motor Vehicle Safety Act, and applicable provisions of the USEPA Emission Standards.
6. The following 33,000 GVWR Single Axle Cab Chassis are acceptable: Mack, Freightliner, Volvo, International, Western star, Peter built and Ken worth equipment must meet these specifications. Other comparable models meeting these specifications may also be acceptable.
7. Factory Installations: If a manufacturer has requirements available from the factory, then item must be FACTORY INSTALLED; if factory installation is not available, then it must be noted as a dealer installation and an exception.
8. If a manufacturer has a standard item that exceeds the following minimum requirements, the standard item must be furnished.
9. List all exceptions/clarifications/comments on the page provided. Indicate acceptance or exception by marking YES/NO for specification listed. Any unmarked YES/NO line will be noted as exception to the specification.
10. Vendor to provide with the bid, the build out dates or tentative build out dates, if they are available. Also, provide delivery date to Sarpy County.
11. Provide with the bid two (2) sets of all current descriptive literature and manufacturer's specifications for this type of truck as manufactured. ✓
12. Company Information:

Vendor will provide the following company information on bid form:

1. Years in business
2. Number of employees

3. Total sales for last three (3) years

13. References:

Each bidder must include with their proposal a list of no less than three (3) references that have purchased 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.

14. 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.

15. Exceptions:

The above specifications are minimum acceptable specifications. You may bid other than what is specified if it is higher than what is requested. Vendor must list any exceptions to the bid specifications on the bid form.

YES/NO

Technical Specifications:

Mark YES or NO for each item listed. Items not marked will be considered an exception to the Specifications.

I. CHASSIS:

1. Truck size and chassis capacities

A) Dimensions

- 1. Bumper to center of Front axle (BCA) Forty One inches (41") *39' 8"*
- 2. Cab to rear suspension (CA) One hundred fifty two inches (152")
- 3. Cab to end of frame (CEOF) Two hundred fifty two inches (252")
- 4. Bumper to back of cab (BBC) one hundred seven inches (107")
- 5. Front frame extension eight inches (8") *BOLT ON*

B) Frame (Off Highway Use)

- 1. Heat treated alloy steel (120,000 P.S.I. yield)
- 2. Full C channel rail
- 3. RBM minimum two million thirty seven thousand six hundred (2,037,600) in lbs per rail
- 4. Section modulus minimum sixteen point ninety eight inches (16.98")
- 5. Two (2) tow hooks, front frame mounted
- 6. Two (2) tow hooks, rear frame mounted

C) Gross Vehicle Weight

- Thirty three thousand (33,000) lbs

YES/NO

2. Axles and Suspensions

A) Front Axle

- 1. Twelve thousand (12,000) lbs minimum (heat treated forged I beam type)
- 2. Hub piloted, oil lubricated bearing and seals
- 3. Turning angle 50 degree

State axle model and brand DETROIT DA-F-12.0-3

B) Front Suspension

- 1. Twelve thousand (12,000) lbs minimum capacity
- 2. Tapered parabolic leaf shackle type with grease fittings
- 3. Spring pins with lubrication groove
- 4. Two (2) Front shock absorbers
- 5. Set back front axle mounting

State type and capacity suspension specified

12,000 FLAT LEAF FRONT SUSPENSION

C) Rear Axle

- 1. Twenty one thousand (21,000) lbs minimum
- 2. Single reduction, driver controlled locking differential with lube oil pump
OIL PUMP NOT AVAILABLE ON SINGLE Red. REAR AXLES!
- 3. Magnetic filler and drain plugs
- 4. Set up Gear ratio for top speed, seventy-five (75) M.P.H. at governed speed *5.38*
- 5. Eighteen inch (18") ring gear and two hundred (200) wheel ends

YES/NO

F) All Wheel Alignment

- 1. All wheel alignment per manufacturer specification after body is mounted on Chassis
- 2. Provide manufacturer specifications and document of complete Alignment

3. Brakes

A) Dual Air System for Straight Truck

- 1. Full ABS (full vehicle wheel control system, four (4) channel with traction assist mode)
- 2. Dual air gauges with low air warning lights and alarm
- 3. Brake lines nylon color - coded type

B) Air Compression, Air Dryer, Tanks

- 1. Sixteen point five (16.5) CFM gear driven *18.75 CFM*
- 2. Wabco SS-1200 Plus air dryer with integral air governor and heater or equal
- 3. Three (3) steel air tanks
- 4. Pull cable on wet tank, petcock manual drain on all other tanks

State type of compressor specified

CUMMINS Turbo charged 18.75CFM Compressor
w/ Integral Safety Valve

C) Front Brakes

- 1. S cam type, Fifteen point five by four inches (15.5"x 4")
- 2. Dust shields

YES/NO

3. Automatic slack adjusters

D) Rear Brakes

1. S cam type sixteen point five inches by seven inches (16.5" x 7")

2. Dust shields

3. Automatic slack adjusters

4. Thirty (30) square inch spring actuated parking brake chambers on all rear brakes

4. Wheels and Tires

A) Wheels

1. Ten (10) Hole I.S.O. Steel Disc (~~9.00x22.5~~ 8.25x22.5 (Aller 100)²)

2. Hub piloted type

3. Painted white

B) Front Tires

1. Radial tires Goodyear ~~G289~~ WHA or equal (G289)

2. Size: 11R22.5

3. Load range ~~4~~ (H)

4. Spare rim and tire for front

State tire brand and type Gy 288 MSA 11R22.5 16ply Radial
H11R22.5 26

C) Rear Tires

1. Radial tires Goodyear G282 MSD type or equal

2. Size 11R22.5

YES/NO

✓ ✓ 3.

Load range "H"

✓ ✓ 4.

Spare rim and tire for rear

State tire brand and type GY G202 MSD 11R22.5 16ply Radial

II. ENGINE, TRANSMISSION, DRIVE LINE:

1. Engine

A) Engine

✓ ✓ 1.

2013 on board diagnostics / Tier Four Emissions

✓ ✓ 2.

Cummins Detroit, Mack, International, Volvo or other comparable models meeting these specifications may also be acceptable

✓ ✓ 3.

Three hundred thirty (330) horsepower minimum

✓ ✓ 4.

Nine hundred fifty (950) ft. lbs. Torque at twelve hundred (1200) RPM minimum 1,000 lbs

✓ ✓ 5.

Idle shut down for idle over 5 minutes - 2013 Emissions control 10 min

✓ ✓ 6.

Exhaust regeneration capable in PTO mode

✓ ✓ 7.

Engine exhaust /Engine Brake

B) Engine Accessories

✓ ✓ 1.

Engine shut down electronic (key operated)

✓ ✓ 2.

Engine oil drain plug magnetic

✓ ✓ 3.

Cartridge type oil filter(s)

✓ ✓ 4.

Engine coolant filter

✓ ✓ 5.

Dual fuel filters (primary and secondary) or Engine manufacturer recommendation

YES/NO

- 6. Engine block heater (Phillips 120 volt, 750 watt.) or equal *1000w*
- 7. Chrome engine heater receptacle mounted under LH door
- 8. Air filter dual element
- 9. Governor electronic type, road speed seventy five (75) M.P.H

State brand, make, model of engine specified:

Brand/Make COMMINIS

Model ISL

H.P. 330

Peak Torque 1000 @ 1400

Displacement (C.I.D.) 549

2. Transmission - PTO

A) Automatic Transmission

- 1. Allison HD 3500RDS wide ratio 6-speed electronic transmission with push button range indicator, automatic neutral when park brake is applied
- 2. PTO drive type (left or right hand location will be determined by successful bidders after determining exhaust configuration)
- 3. Oil cooler for auto transmission (water to oil type, factory installed)
- 4. Synthetic Transmission fluid TES 295 compliant
- 5. Speed sensor wiring in cab for road speed. (used by Sarpy County)
- 6. Factory wiring Harness installed for PTO engage/disengage interfaced to transmission and engine controls. (Hot Shift Chelsea) PTO System. PTO will be installed by Body/Hydraulic Vendor. PTO will be engaged by rocker switch with red pilot light in cab on dash indicating PTO engagement. PTO

YES/NO

to be engaged only when engine rpm is at idle and vehicle speed is LESS than Five (5) M.P.H. PTO to disengage if vehicle speed exceeds ten (10) M.P.H.

Note: Contact Purchasing Department in writing for additional information about PTO type and set up. Fax number (402) 593-4304 or email bgarber@sarpy.com

B) Driveline

✓/_____

Spicer 1700 series minimum or equal

3. Fuel System, Exhaust System, Coolant System.

A) Fuel System

✓/_____ ✓

1. Single aluminum fuel tank **with stainless steel mounting straps**

✓/_____

2. Fifty (50) gallon minimum

✓/_____

3. Driver side mounted

✓/_____

4. Fuel cooler - Modine type or equal

State location and size of fuel Tank 50 Gallon ALUM. LHM under cab
STAINLESS MOUNTING STRAPS ADD NOT AVAILABLE

B) Exhaust System

✓/_____

1. Single system shielded, Bright Finish

✓/_____

2. Horizontal - Muffler and Diesel Particulate Filter (DPF) and shield with RH B- pillar mounted vertical tail pipe

✓/_____

3. Vertical tail pipe shielded to protect driver/ passenger from burns with grab handle when entering cab 10ft exhaust system height

✓/_____

4. 6 gallon DEF tank mounted on the left hand side standard location

✓/_____

5. Curved discharge pipe to prevent rain from entering (no rain cap)

✓/_____

6. Mounting of exhaust system and treatment device shall not extend more

YES/NO

than three inches (3") past back of cab

C) Coolant System - Radiator

1. Extra duty radiator with charge air cooler that meet engine and transmission manufacturer recommendation, 950 sq inch

2. Deaeration system with tank and sight glass

D) Coolant System - Coolant

All season extended life permanent anti-freeze to minus forty (-40) degrees Fahrenheit

E) Fan Drive

Automatic controlled, air on/off control (Horton HT650 or equal)

F) Hoses

All Hoses - Molded silicone type

III. Battery, Charging System, Wiring, Lights:

1. Battery

1. Three (3) group 31, twelve (12) volt *(2) cells.*

2. Seven hundred (700) C.C.A. at zero (0) degrees Fahrenheit each battery 2250 CCA

3. Maintenance free type

4. Battery box – aluminum, mounted under cab on left side

5. Single jump start stud with red tethered cap

Specify battery type and C.C.A. at zero (0) degrees Fahrenheit

2) 1231 Group 31, w/ 2250 CCA. Mtd. under cab, L/H side

3- BATTERIES would have to be flame held.

2 BATT'S ARE UNDER CAB LH, HAVE 2250 CCA'S.

YES/NO

2. Charging System

- 1. Alternator 28SI or equal
- 2. One hundred sixty (160) amp minimum
- 3. Electronic regulated with remote battery volt sense

3. Wiring

- 1. Chassis wiring - color coded and continuously numbered. Multiplex wiring system
- 2. Junction box for tail light, turn signal, backup light, key switch and control circuits for body builder
- 3. Power distribution center in cab with storage for additional fuses/circuit breaker and puller device provided
- 4. SAE J560 7-way primary trailer cable receptacle mounted at rear of chassis with 4 ft extra cable to extend to mounted bumper
- 5. Body builder wiring system includes sealed connectors for tail, stop turn, amber turn, marker, backup, 12v accessory power and ground at rear of chassis
- 6. Electronic trailer brake control wires shall be incorporated in the seven wire trailer cable ran to rear of chassis

4. Lights

- 1. Integral headlight/ marker lights
- 2. LED parking lights, front turn signals, and rear tail lights
- 3. Five (5) cab marker LED lights
- 4. Two (2) LED stop, turn, tail and backup lights on rear with reflectors
- 5. Headlight dimmer switch integrated with turn signal switch

YES/NO

- 6. Turn Signal switch self canceling with integrated hazard switch
- 7. Turn signals front dual face, amber/red, mounted on top of fender with auxiliary side turn signals
- 8. Flasher electro-mechanical twelve (12) lamp capacity
- 9. Back up alarm
- 10. Daytime running lights

IV. Cab, Cab Controls, Environmental:

1. Cab

A) Cab

- 1. Conventional flat roof aluminum day cab
- 2. Air ride suspension system for rear of cab

B) Cab Interior

- 1. LH and RH integral door panel arm rest
- 2. Floor covering black rubber
- 3. Driver seat with right side arm rest, air suspension, high back with integrated headrest, vinyl covered, isolated two (2) position front cushion adjustment minus two (2) degree to plus fifteen (15) degree adjustment mechanical lumbar support
- 4. Passenger seat with left side arm rest, air suspension, high back with integrated headrest, vinyl covered, isolated two (2) position front cushion adjustment minus two (2) degree to plus fifteen (15) degree adjustment mechanical lumbar support
- 5. Seat belts two (2) sets, three (3) point lap and shoulder type
- 6. Additional cab insulation or Premium insulation package

YES/NO

7. Cab interior trim, headliner, doors, half (1/2) cab interior, pillar cover and instrument panel
8. Dome light center mounted
9. Two (2) sun visors padded
10. Interior accent color gray vinyl seats, etc.
11. Interior sheet metal color of exterior
12. AM-FM radio factory installed
13. Storage pocket in doors and back wall of cab
14. Overhead storage/console storage
15. 2- Way radio accommodation package for mounting with 20 amp fuse
16. Power outlet source - cigarette plug type for accessories
17. LH – RH power door locks
18. Smart switch expansion module

C) Cab Exterior

1. Grab handle(s) cab access, driver and passenger side (inside of cab). One exterior grab handle on driver and passenger side
2. Windows all tinted safety glass
3. Hood three (3) piece type - front end tilting type, fiber glass with stationary grille
4. Mud flaps, splash guards and lower front fender extension to protect Engine, cab, side steps driver side and passenger side
5. ^{1 horn} Two (2) horns – mounted under hood *Only ONE air horns available due to mounting restrictions.*
6. Two (2) mirrors - left hand and right hand, sixteen inch by seven inch (16" x 7") west coast type, heated, breakaway type

YES/NO

- 7. Two (2) eight inch (8") diameter convex mirror mounted below primary mirrors
- 8. Exterior color - White, one (1) tone coat - clear coat
- 9. Front Bumper – 3 piece with breakaway sides

2. Cab Controls/Gauges

A) Cab controls

- 1. Window washer pump two (2) gallon reservoir, frame mounted
- 2. Dual wipers electric two (2) speed with intermittent/delay type
- 3. Cruise control
- 4. Parking brake air valve
- 5. Four on/off rocker switches in the dash with indicator lights and wire routed to chassis at back of cab, labeled OPT

B) Gauges

- 1. Speedometer with odometer electronic, includes trip odometer
- 2. Tachometer electronic
- 3. Two (2) air gauges with alarm/light
- 4. Voltmeter
- 5. Oil pressure (engine)
- 6. Coolant temperature gauge
- 7. Fuel gauge
- 8. Transmission temperature gauge
- 9. Indicator, warning light - low oil, high temperature, low fuel, low

YES/NO

battery light with audible alarm - electronic

- 10. Indicator warning light with audible alarm for low coolant level
- 11. Air Filter Restriction Gauge
- 12. Low air pressure light and buzzer

3. Environmental

A) Heater, Defroster and Air Conditioner

- 1. HVAC controls with recirculation switch
- 2. Denso heavy duty air conditioner compressor or equal
- 3. Dual defroster with standard heater, A/C ducting
- 4. Refrigerant - 134A

V. Paint - Finish:

1. Cab Chassis

YES/NO

A) Cab/Chassis Paint

- 1. Cab Exterior color - White, one (1) tone color - clear coated
- 2. Interior sheet metal color of exterior
- 3. Interior accent color gray vinyl seats, etc.
- 4. Frame/Chassis color - gloss black

VI. Shop and Parts Manuals:

- 1. Two (2) Operators Manual or CD ROM versions
- 2. One (1) Shop Repair Manual for truck chassis, electrical, Engine or CD ROM versions *CAN USE ON-LINE @ NOCHARGE*
- 3. One (1) Parts Manual for truck chassis electrical, Engine or CD ROM versions *CAN USE ON-LINE @ NOCHARGE. SAVE TOTAL OF \$550 (100 copies) @ ALL TIMES.*
- 4. Provide information on training/repair/service available for equipment specified

VII. Miscellaneous:

- Truck shall be delivered to Sarpy County with all wheels balanced and an all wheel alignment

VIII. Warranty:

- 1. Regular manufacturer's standard warranty, manufacturer's statement of origin and complete pre-delivery inspection certificates required with truck at delivery
- 2. The manufacturer's standard warranty shall be stated in the bid
- 3. Manufacturer's written warranty including engine, transmission and differential must accompany delivery

YES/NO

4. All warranty work shall be performed within State of Nebraska and within sixty (60) 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 and the mileage warranty will begin from the mileage on odometer on date of assignment

7. The selling dealer will provide warranty activation cards or similar information in order to properly activate said warranty

8. Vendor must provide Order Number to Sarpy County Purchasing within ten (10) working days after purchase order is received

IX. Service:

1. Pre-delivery service will be performed by the dealer. Factory pre-delivery will not be accepted

2. Information on factory schools/training to be provided to Sarpy County Fleet Services within six (6) months of purchase of unit. Vendor/Manufacturer must supply letter that manufacturer training of Sarpy County Fleet Service Technicians is available and any charges to Sarpy County for training.

X. General Description:

Intent: These specifications describe a Knapheide line body, Model SES6165HC or equal, Elliott Model G50F-AUS high reach telescoping work platform, front mount, 50' Foot Aerial Device or equal to be mounted on a ²⁰¹⁴2013 single axle 33,000 GVW chassis. "2014"
Model 6165HC special order # for body S10121869

1. Body

A. Body Shell

Heavy duty, double wall construction, fully seam welded 1/8" tread plate over 14ga. Two sided A40 galvaneal steel compartment tops and backs one piece seamless design.

YES/NO

- 4. All warranty work shall be performed within State of Nebraska and within sixty (60) 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 and the mileage warranty will begin from the mileage on odometer on date of assignment
 - 7. The selling dealer will provide warranty activation cards or similar information in order to properly activate said warranty
 - 8. Vendor must provide Order Number to Sarpy County Purchasing within ten (10) working days after purchase order is received
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Model 6165HC special order # for body S10121869

1. Body

A. Body Shell



Heavy duty, double wall construction, fully seam welded 1/8" tread plate over 14ga. Two sided A40 galvanneal steel compartment tops and backs one piece seamless design.

YES/NO

B. Dimensions

- | | | | | |
|-------------------------------------|----|--------------------------|----------|--|
| <input checked="" type="checkbox"/> | 1. | Overall length | 165-1/4" | |
| <input checked="" type="checkbox"/> | 2. | Overall width | 94" | |
| <input checked="" type="checkbox"/> | 3. | Floor width | 58" | |
| <input checked="" type="checkbox"/> | 4. | Side compartment height | 50" | |
| <input checked="" type="checkbox"/> | 5. | V Side compartment depth | 18" | |
| <input checked="" type="checkbox"/> | 6. | H Side compartment depth | 32" | |
| <input type="checkbox"/> | 7. | Floor height | 29" | Floor height determined at time of order |

C. Compartments Street Side

- | | | | | |
|-------------------------------------|----|----|--------------------------------------|------------------------------------|
| <input checked="" type="checkbox"/> | 1. | 1V | 30-1/4" wide x 50" high | |
| <input checked="" type="checkbox"/> | 2. | 2V | 30-1/2" wide x 50" high | |
| <input checked="" type="checkbox"/> | 3. | 3V | 30-1/2" wide x 50" high | |
| <input type="checkbox"/> | 4. | H | 52-3/4" wide x 32" deep x 22.5" high | Height determined at time of order |
| <input checked="" type="checkbox"/> | 5. | 4V | 21-1/4" wide x 50" high | |

D. Compartments Curb Side

- | | | | | |
|-------------------------------------|----|----|-------------------------------------|--|
| <input checked="" type="checkbox"/> | 1. | 1V | 33-1/4" wide x 50" high | |
| <input checked="" type="checkbox"/> | 2. | 2V | 24-3/4" wide access sides and steps | |
| <input checked="" type="checkbox"/> | 3. | 3V | 33-1/4" wide x 50" high | |

YES/NO



4.

H 52-3/4" wide x 32" deep x 22.5" high

Height determined at time of order



5.

4V 21-1/4" wide x 50" high

Horizontal compartments will be used for sign storage. Signs will lay flat with 1/2 of gap between each sign. Area above platform floor will be extended inward for sign storage. Area below platform floor inside compartments will be used for storage. Signs are 30x30 (See attached pictures on designs). Fleet service will approve design and fitment of signs before final installation.

E.

Floor



Minimum 3/16" thick tread plate floor with 1-3/8" return flange on each side compartment back panel overlaps and interlocks with floor flange, providing support for weight of side compartments.

F.

Understructure



36,000 yield 7Ga, hot rolled. 6" high formed "C" channel cross sills

G.

Doors



20 Gauge two sided A40 galvanneal steel double panel doors with hat section reinforcements Expanding foam blocks in lieu of standard hat section reinforcements.

H.

Hinges



All A40 stainless continuous hinges full length with 1/8" stainless steel pin hinges to be spot welded to door frames, and shall be support for the doors, pry proof security with built-in weather shield

J.

Paddle locks

YES/NO



Zinc plated corrosion resistant paddle locks riveted to door with non-corrosive aluminum rivets incorporating stainless mandrels. Paddle lock to be slam-lockable, allowing the bolt to pass by the door striker in the locked position. Bolt to be solid casting with grease sleeve for periodic lubrication. **Stainless steel and bolted.**

K. Door strikers



Adjustable two (2) stage striker affixed to door frame with screws (welded door strikers not acceptable)

L. Door seals



Automotive “bulb type” neoprene door seals to be installed by the Manufacturer of the body on all door frames

M. Door retainer



Double spring over center door retainers on all vertical doors, help to retain doors in positive open or closed position. Rubber door bumpers on horizontal doors

N. Exterior prime and paint



12 stage prime paint process, complete immersion in electrodeposition gray epoxy. Test results of the exterior primer applied to galvanneal components of the body shall not exceed 1/8” creepage from score at 1200 hours salt spray using ASTM method B117-73. Further exterior primer used shall be tested compatible with high performance alkyd and acrylic urethane top coats

O. Exterior Paint



Exterior body and compartment interior color shall match color of the truck that will be provided

YES/NO

Paint code _____

Paint color _____

Paint type _____

P. Undercoating



Body to be completely undercoated by the body builder after complete assembly of the body and crane using a minimum of six (6) mils of water-borne base to provide extra corrosion and road debris protection

Q. Installation



Manufacturer of the body to supply a recommended installation process along with detailed installation instructions that conforms to all **Federal Motor Vehicle Safety Standards**. Manufacturer of the body to supply owner's manual describing proper care and maintenance of body by users

R. Warranty



1. Body shall be covered by minimum six (6) year unlimited warranty for no rust through guarantee



2. Continuous door hinge guaranteed not to fail to operate or come off body



3. Paddle locks and lock cylinders shall have unconditional guarantee against failure



4. Shelves guaranteed not to fail under maximum 250 lb rated load

State term of Warranty _____

YES/NO

S. Lighting wire connections and wire retention



All wire connections shall be soldered and covered with heat shrink for a weather tight connection. All wires shall be retained by mechanical fastening system

T. Interior body light guard



Light guards to be installed by manufacturer to provide protection for recessed stop/tail, turn and back up lights, wiring harness to be protected also

U. Emergency Lights

Prior to installation of lights – contact George Funderburk at 402-537-6980



1. Ten (10) surface mounted Intersector lights – Sound Off Signal or equal # ENT3W3 (A)



2. Two (2) lights to be mounted on face side of grill facing forward



3. Two (2) lights to be mounted on the street side and curb side cowl section between hood and doors



4. Two (2) lights to be mounted on the street side and curb side of the body above horizontal door in recessed body drip rail for protection



5. Two (2) lights to be mounted at rear of truck body above reverse lights facing back



6. Two (2) lights to be mounted on crane body bumper facing back



7. One (1) roof mounted 360 degree strobe shall be mounted on the roof of truck – Whelen # S360DAB or equal

YES/NO



8. One (1) Arrow stick shall be Whelen TAM85 or equal will be mounted on back tail shelf of body

All light wiring connections shall be soldered and heat shrunk. All wiring shall be protected in plastic split loom covering and all light lenses to be lexan. All pattern changing wires from lights shall be accessible in the cab for selection of pattern changing. All lights shall be wired to factory installed opt switch on dash panel

V. Options to be provided



1. Lighting to meet all FMVSS standards. Wiring to be encased in plastic split loom, all wires colored for ease of troubleshooting. Wire harness from body shall have a main water proof junction box for connecting wires for body builder harness. Stop/tail, reverse lights for body and bumper to be 4" round LED type, all marker clearance lights and red lights to be LED type



2. Tail shelf to be 36x94x5 with arrow stick to be center mounted on 5" channel, all lighting to meet all FMVSS standards



3. Knapheide #26194381 crane body bumper - DLH series or equal to be mounted at rear of truck, heavy duty bumper provides 1/4"x21"x94" work surface with 8-1/2" cutouts for outriggers, through compartment and changeable receiver hitch step bumper with D rings. Bumper shall include two 1-5/8" square receivers for one vise stand. Through compartment side plates are 10GA. and include 8"x 10" access doors with door seals and clear door openings of 6-3/4" wide x 8-1/4" tall. Rear bumper shall include (2) two 4"round LED stop/turn lights, round flat pin 7 wire trailer plug



4. Hot stick box for sign post storage shall be constructed of 14GA. Galvanneal and come with plywood bottom. The liner is 1/2" thick plywood and covers the floor. The door is hinged at the bottom with a continuous hinge that has a 1/8" dia. stainless hinge pin, stainless riveted paddle lock, adjustable striker and neoprene seal for door. Box size 7"H x 16" W

Box dimensions to be determined at time of design. Box to be integrated into crane sub frame.

YES/NO

x 123" L shall be center mounted under the main floor structure to allow hydraulic hoses to be routed down each side. Access to the door will be at the rear of the truck between the platform and bumper for ease of removing sign post.

- 5. Drawer cabinets shall be heavy duty 7 drawer cabinet painted gray and have (4) four drawers 3" deep, (2) two drawers 5" deep and (1) one drawer 7" deep on full extension rollers. All drawers and top tray are 16GA. Steel and are rated for 250 LBS each (1000) total for cabinet and includes 4 drop in dividers per drawer. Each drawer has center release for one hand operation. All cabinets shall be 12" deep and positioned in the first compartment on curb side of truck
- 6. Bottle gas retainer should be designed to hold acetylene and oxygen bottles from 6" to 9.25". Bottles are secured with (2) two polyester straps (2100) LB rating with an over center buckle. One piece retainer shall be constructed of 14GA. to provide easier removal and installation of bottles. Floor shall be reinforced with one piece of 1/8" tread plate to reinforce the compartment bottom and door frame. (2) two gas vents shall be provided and (2) two stationary/swivel hooks are to be included. Position shall be the last compartment on curb side of truck
- 7. Ctech drawer dividers shall be Knapheide #12212254 or equal. Position shall be second compartment on curb side of truck
- 8. Shelving shall be 18GA. bright spangled galvanized shelves with hemmed dividers on 4" centers. (Min 250lbs. capacity rated)
- 9. Master locks shall be installed on both sides
- 10. Tread plate overlay on compartment tops
- 11. Rhino lining or equal product to be installed on floor, sides, compartment tops and top side of crane bumper for anti-skid surface
- 12. Aerial cutout size and location will be provided at time of order by body builder

YES/NO

G50F – AUS, FRONT MOUNT 50 FOOT AERIAL DEVICE

A. Unit

- 1. Aerial device shall be Elliott Equipment Hi Reach, model G50F – AUS or equal
- 2. Boom shall consist of three sections with two sections telescoped hydraulically
- 3. The boom shall attain an arc of travel no less than 75 degrees above horizontal to 20 degrees below horizontal, 95 degrees
- 4. All sharp edges on the unit and the boom(s) shall be rounded off for safety

B. Platform

- 1. Aerial device shall be provided with one rotating platform manufactured of steel
- 2. Platform shall include a hydraulic rotator capable of allowing the operator to rotate the platform up to +90 degrees
- 3. Platform shall be supported by an inverted "A" subframe
- 4. Platform shall be rectangular in shape
- 5. Platform dimensions shall be 40 inches x 60 inches
- 6. Platform rails shall be 40 inches in height
- 7. Platform shall be built per ANSI A92.2
- 8. Platform shall be equipped with safety chain on opening
- 9. Platform shall be equipped with two safety lanyard attachments

YES/NO

C. Boom Construction

1. The boom shall be constructed of steel rectangular tube sections with 46,000 – PSI min. yield strength
2. The boom assembly shall include heavy-duty cylinder fittings, heavy pivot pins and replaceable, ultra-high molecular weight polyethylene wear plates
3. The boom shall be equipped with steel cable carrier mounted external to the boom
4. The cable shall be stowed in the open without cover

D. Capacity

1. The rated capacity of the platform shall not be less than 600 pounds in any position

E. Lift

1. Lift shall be accomplished with one 6" bore double-acting, 58" stroke cylinder with 3" pins.
2. Lift cylinder shall come equipped with a holding valve to prevent boom from falling in event of hose failure

F. Extension

1. Extension shall be accomplished using two opposing "piggyback" double-acting 2-1/2" I.D. cylinders, 1-1/2" diameter rod, and interconnecting the three boom sections (no cables)
2. The cylinder shall be pinned in place and equipped with holding valves for both in and out.

YES/NO

G. Performance

1. Attainable height of the unit as measured from ground level to the bottom of the platform shall not be less than 50 feet
2. The maximum attainable horizontal reach of the unit as measured from centerline of rotation to the centerline of the platform shall not be less than 50 feet **Maximum horizontal reach to be 39 feet.**

H. Mounting

1. Aerial turret box shall be subframe mounted to the chassis of the carrying vehicle by bolting. If sill strips are used, they must be made of steel. Wood or other organic materials are not acceptable
2. Aerial unit turret shall be located behind the cab of the carrying vehicle so that the platform will be stowed at the rear of the vehicle
3. The rear overhang of the stowed aerial device in relationship with the tail shelf of the vehicle shall not extend past the rear overhang
4. The unit, when mounted on the carrying vehicle and in stowed position, shall not exceed a 12 feet -9 inch travel (as measured from the highest point of the unit to ground level)
5. Torque frame from front to rear outriggers shall be box structure 11"H x 34-1/2" W

I. Boom Storage

1. The vehicle shall be provided with a permanently installed boom rest at the rear of the bed
2. The boom rest shall be of adequate design as to withstand stow loads from the unit and withstand 500 pounds applied in any direction without deformation

YES/NO

J. Turret and turret bearing

- 1. The turret shall be one-piece weldment with reverse offset design
- 2. The turret shall rotate on a ball bearing

K. Rotation

- 1. Unit shall provide continuous turret rotation with no stops
- 2. A hydraulic motor, driving the turret through a self-locking worm gearbox (no brake) shall accomplish rotation. The gearbox is mounted on turret above rotation
- 3. The rotation system shall be capable of rotating the maximum rated load capacity of the unit at the maximum attainable horizontal distance away from the pedestal upwards on a five degree incline

L. Leveling

- 1. The platform shall be maintained in a level position relative to the chassis frame in all operating positions of the unit "closed" hydraulic system comprised of twin 2-1/2" platform cylinders interacting with a boom-actuated 4" master cylinder mounted in the boom support turret
- 2. The leveling system shall be provided with factory-set relief valves to compensate for oil expansion or overload during platform leveling operation
- 3. A leveling valve shall be provided in the boom control bank
- 4. The leveling system shall be permanently connected to the boom valve bank and be capable of being remotely re-leveled with an electrical switch in the platform

YES/NO

M. Stability

1. Completed unit shall be stability tested prior to delivery and shall be in conformance with ANSIA92.2

N. Emergency lowering

1. Unit shall be provided with a twelve-volt emergency system
2. Switches shall be located at both the lower controls and upper controls

O. Hydraulic system

1. The hydraulic system shall be open center design with 2,500-psi minimum design pressure
2. The hydraulic pump shall be gear type 14GPM at 1,200 RPM
3. The pump shall be domestic manufacture
4. The Hydraulic pump shall be Chelse HOT shift electric PTO or Equal mounted to the transmission
5. The PTO shall include an indicator/warning light
6. The Hydraulic pump shall be flange mounted to the PTO by means of S.A.E type flange mount
7. The load bearing ends of all hydraulic cylinders shall be equipped with check balance valves capable of hydraulic locking the cylinder and preventing movement of the cylinder in the event of loss hydraulic power or line failure
8. Hydraulic reservoir shall be properly labeled near the filler opening
9. Hydraulic oil reservoir shall be mounted to the inside floor of the platform mounted body with a capacity of 35 gallons

YES/NO

10. Hydraulic oil reservoir filler shall be such design as to prevent oil from splashing out of the reservoir
11. Hydraulic oil reservoir filler shall be easily accessible and have removable strainer
12. Hydraulic oil reservoir shall have sight level gauge and thermometer
13. Hydraulic oil shall be supplied to the turret-mounted control valve through a rotary manifold
14. All cylinder control valves, hoses and hydraulic fittings shall be of domestic convention (no metric adapters permitted)
- P. Hoses
All high-pressure hose to be wire braid reinforced with minimum safety factor of 4:1
- Q. Cylinders
All cylinders must have micro-honed I.D cylinder tubing, chrome shafts, top grade packing and protective rod wipers
- R. Filtration
The hydraulic filtration system shall consist of the following
- 1) Suction filter
 - 2) Return line filter, capable of providing 10 micron nominal filtration
 - 3) Pressure filter capable of providing 5 micron filtration
- S. Outriggers
1. Four hydraulic operated outrigger assemblies shall stabilize unit

YES/NO

2. The main front outriggers shall be Elliott "A" type design with a 12-1/2' spread
3. Movement of the outriggers shall be individually controlled
4. The secondary rear outriggers shall be "A" type underslung with an 8" spread
5. Vertical movement of the rear outriggers shall be individually controlled with two valves
6. Vertical outrigger cylinders shall be of the double acting type equipment with integral pilot operated check valves capable of preventing drift from both the retracted and extended positions even in the event of loss hydraulic power or line failure
7. Main secondary outrigger assemblies shall be solidly mounted to the subframe assembly
8. Penetration of outrigger shoes shall not be less than six inches below normal ground level

T. Operator control system

1. The medium for transmitting control signals from the platform to the lower control station shall be by means of electric cable
2. The aerial device controls located at the platform shall consist of three control handles for operating boom extension, lift and rotation. Actuation of these functions shall be accomplished by means of proportional electric controls
3. Controls shall meter pilot operated pressure compensated modulating valves
4. Control handles shall incorporate safety collars for unlocking handles prior to movement

YES/NO

5. The aerial device controls located at the platform shall include a remote chassis engine, start-stop system
6. The lower boom controls shall have individual control valve handles to override each boom function
7. The lower controls shall be mounted on the curb side of the turret above rotation
8. The lower controls shall include engine speed and start-stop switches, along with upper/lower controls to override upper controls
9. The outrigger-boom selector shall be mounted at the rear of the truck under the platform
10. The main outrigger controls and the rear vertical outrigger controls shall be mounted at the rear, under each corner of the bed with roadside valve controlling roadside outriggers and curbside valve controlling curbside outriggers
11. The outriggers shall include a truck level bull's eye

U. Bed and Boxes

Approximately 19'-2"

1. The bed shall be 18ft long with 3/16" tread plate floor
2. A standard DOT Knapheide #26194381 Crane body bumper or equal shall be installed at the rear of the bed with taillights (per above body spec)
3. Black anti-sail spray suppressant splash guards shall be provided and installed behind the rear wheels under the line body

V. Heavy-duty hydraulic boom winch

1. Winch shall be high-efficiency planetary type with integral-holding brake

YES/NO

- 2. The winch shall be rated for 5,000 lbs. bare drum
- 3. The winch shall be controlled from an additional valve section on the lower control valve. It shall be pressure compensated to allow feathering the winch and one boom section simultaneously
- 4. Winch shall be mounted at the base of the boom for a long fleet angle and flat level spooling of cable
- 5. The rope shall be supplied with 150 feet of 3/8" diameter 6x37 improved plow steel iron wire rope core and a weight swivel hook
- 6. Unit shall be equipped with anti-2-block switch, weight and hydraulic valve to protect the unit from damage due to lifting the hook into the boom
- 7. Three ton top dead end snatch blocks shall be provided to operate with 2-part line
- 8. One 50lb. down haul ball required
- 9. Required lifting rating 1,100 lbs at 37ft radius with platform removed
- 10. Main boom section shall be equipped with a retainer at platform end to stow cable when not in use

W. Miscellaneous

- 1. A 110 volt duplex receptacle shall be accessible to the operator in the platform for using electric tools
- 2. A wireless remote system with dead man switch shall be provided for one man operation of crane
- 3. A remote hydraulic circuit with return line shall be provided for hook up at basket for sign post pounder (valve placement shall be at the curbside rear valve section to control this option)

YES/NO

4. A remote hydraulic circuit with return line shall be provided to the front bumper for the installation of (one) Bemis post puller or equal

X. Cab Equipment

1. The master control switch with indicator lights shall be installed in truck dash
2. A holder for operator's manuals shall be provided

Y. Placard/decal labels, manuals, video, ETC

1. Each control and switch shall be clearly labeled to define function and direction of operation
2. Two safety harnesses and 72" lanyards shall be delivered with the unit
3. Two complete sets of operating, service, maintenance and manuals applicable to the aerial unit, as delivered containing detailed parts and maintenance information inclusive of all optional equipment installed shall accompany the vehicle at time of delivery
4. One safety and operating video, covering safe use of the manufacturer's products shall accompany the vehicle at time of delivery

Bemis PPF-295 Heavy Duty Hydraulic post puller

1. Post puller shall be Bemis PPF-295 hydraulic post puller or equal mounted to the front of vehicle
2. Post puller shall be able to pull 30,000 lb at 2500 psi
3. Post puller hydraulics power will be supplied from hydraulic crane aux circuit

YES/NO



4. Post puller hydraulic capacity shall be minimum 4 gal a minute and no more than 6 gal a minute



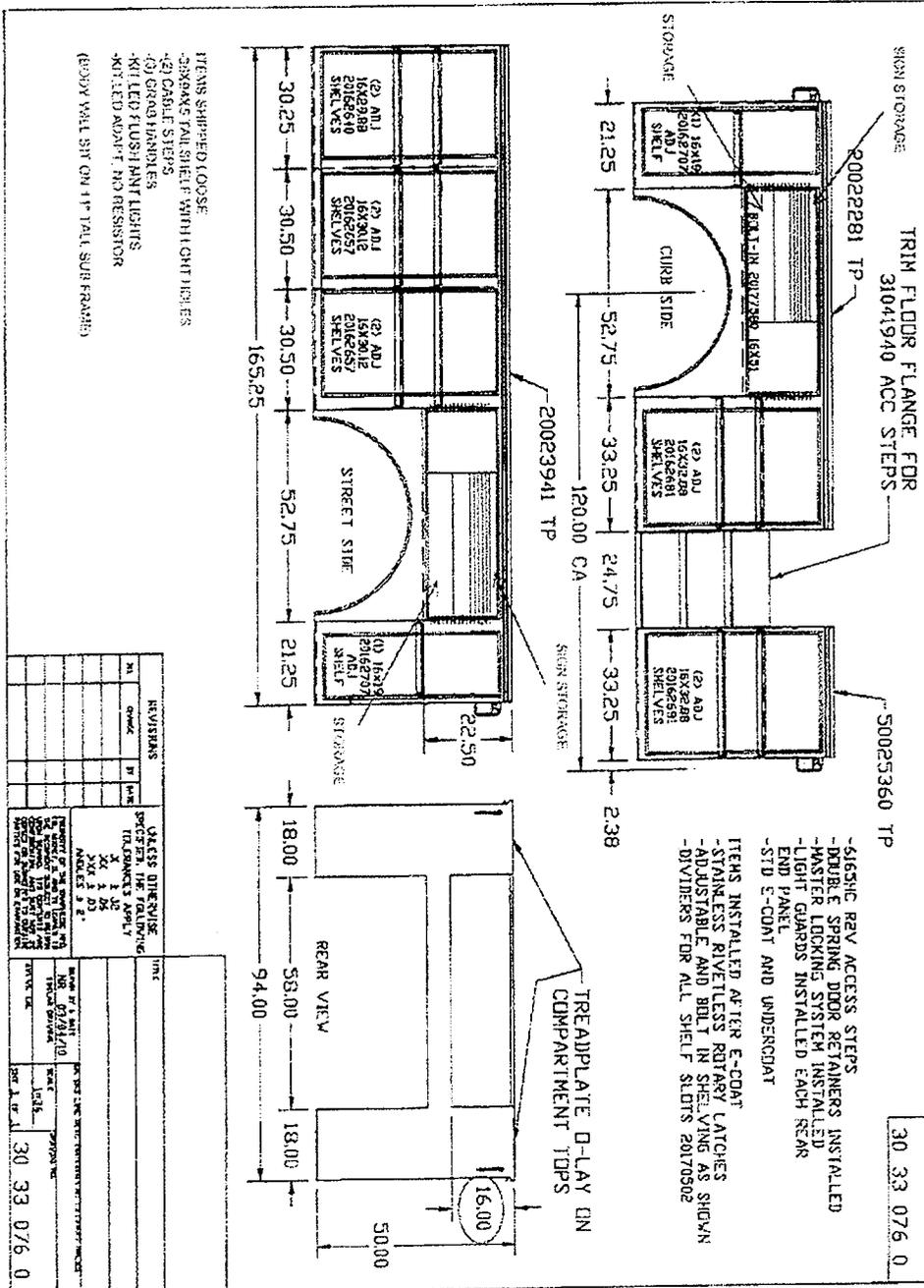
5. Mounting height of the puller shall be at least 20" no more than 26" total height from the ground.



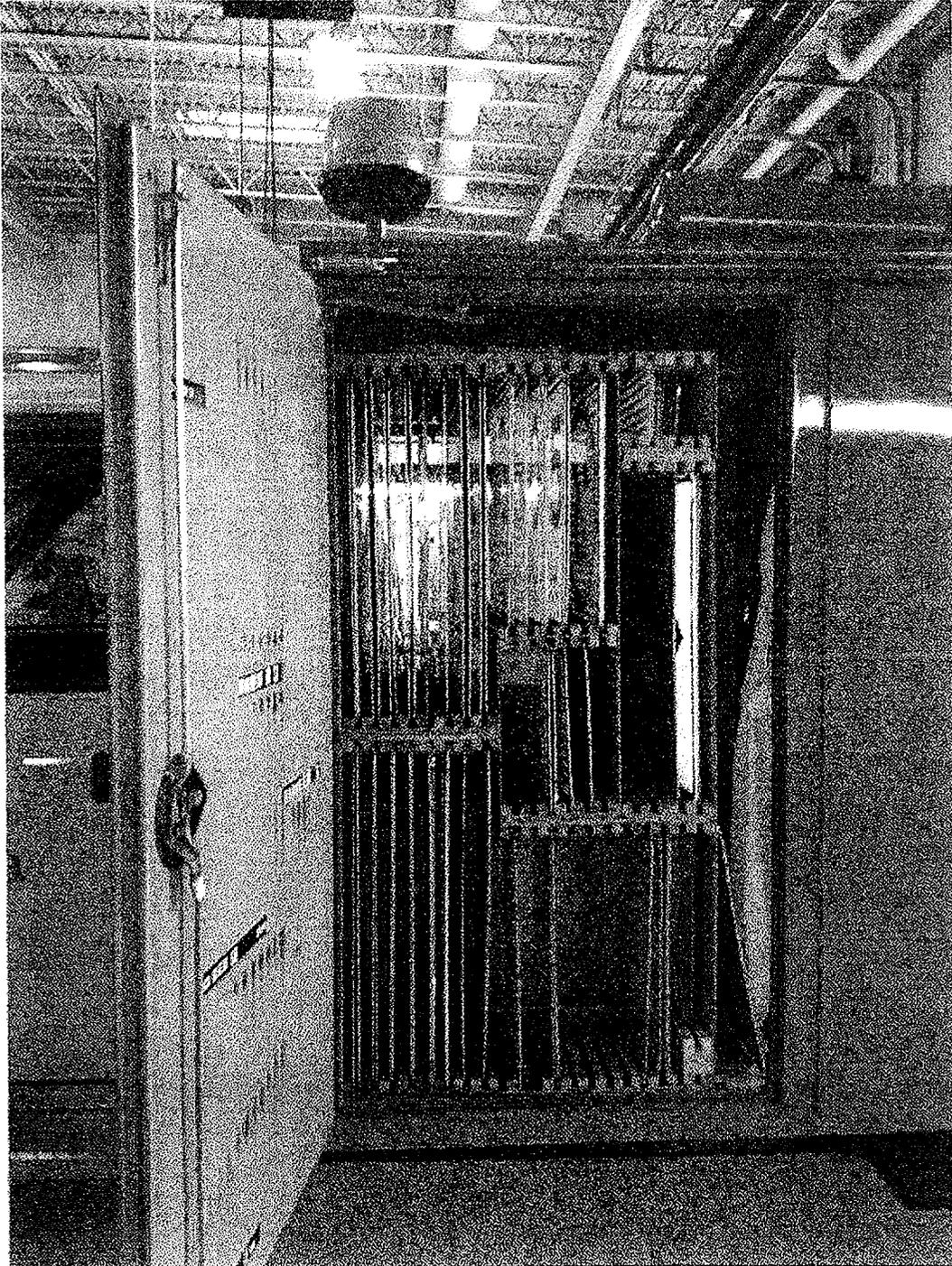
6. Factory frame shall be cut back to make the best fitment of the front bumper and post puller to clear all body areas of the hood when flipped forward for service and repairs of vehicle **(fitment and location shall be inspected by Fleet service before final install)**



7. Post puller to include optional equipment (one) Jaw set #PPJ-205 or equal for pulling post



201010 01:48:55 AM - PLOD and by Conroy-3



CHASSIS EXCEPTIONS / CLARIFICATIONS / COMMENTS

1. Rear Axle: (2) oil pump NOT AVAILABLE ON SINGLE REDUCTION
Rear Axle, (6) 75W-90 Synthetic Rear Axle Lube from Factory.
2. Fuel System (1) Stainless Steel Mounting Straps - NOT AVAILABLE.
3. Battery: (1) - 2 12V 1231 Group 31 w/ 225CCA, ILO OF THREE.
w/ THREE batteries would have to mount BDC. w/ 2 CAN MOUNT UNDER CAB FOR
CLEAN BACK OF CAB.
4. Cab Exterior - (5) ONLY ONE AIR HORN ILO 2. DUE TO CLEARANCE ISSUE.
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

dimensions. BODY EXCEPTIONS / CLARIFICATIONS / COMMENTS
(7)

1. Floor Height determined @ Time of Order

compartment side str. (4) - Height determined @ Time of Order

2. " Curb Side (H) - Height determined @ Time of Order

3. Doors (G) Expanding foam Blocks ILO STD. HAT
Sections Reinforcements.

4. Hinges - Stainless Steel & bolted

5. HOT STICK box - Box dimensions to be det. @ time of
design. Box to be integrated into cross sub frame.

6. _____

7. _____

8. _____

9. _____

10. _____

CRANE EXCEPTIONS / CLARIFICATIONS / COMMENTS

1. Performance (2) Max. Horizontal Reach to be 39 feet.

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

* Accepted *

Sarpy County, Nebraska
Bid Form

One (1) - New - 33,000 GVWR Single Axle Cab Chassis

Make: FREIGHTLINER 2015

Model: M2106 4X2

GVWR: 33,000 (min. 33,000 lbs)

Wheelbase: 218" Cab to Axle (CA) 152" BBC 103 + 8" FRONT FRAME EXTENSION

Series, Code, Trim Level: M2106, W1 DPELGRM INTERIOR

Engine: CUMMINS Torque: 1,000 lb/ft @ 1400 RPM Horsepower: 330

Transmission: ALLISON 3500 RDS 6 SPD.

Alternator Size: 28SI Ampere: 160

Battery Size: GROUP 31 CCA @ 0 Deg. 2250 CCA

Warranty: 2 YRS. Month/Miles: 24 / UNLIMITED

*Prices to be F.O.B. 15100 S. 84th Street, Papillion, Nebraska 68046

New Single Axle Cab Chassis Unit Price: \$ 230,521.00
(As specified)

Delivery Date: END OF APRIL, 1ST PART OF MAY 2014.

Build Out Date: CHASSIS MARCH 2014, ELLIOTT CRONE 275 days from Receipt of Order.

Sarpy County, Nebraska
Bid Form

One (1) - New - 33,000 GVWR Single Axle Cab Chassis

Make: FREIGHTLINER 2014

Model: M2106 4X2

GVWR: 33,000 (min. 33,000 lbs)

Wheelbase: 218" Cab to Axle (CA) 152" BBC 103 + 8" FRONT FRAME EXTENSION

Series, Code, Trim Level: M2106, W1 DPELGRAV INTERIOR

Engine: CUMMINS Torque: 1,000 lb/ft @ 1400 RPM Horsepower: 330

Transmission: ALLISON 3500 RDS 6 spd.

Alternator Size: 28SI Ampere: 160

Battery Size: Group 31 CCA @ 0 Deg. 2250 CCA

Warranty: 24RS. Month/Miles: 24 / UNLIMITED.

Eng. - 2yrs/unlimited, Trans. - 3yrs/unlimited.

*Prices to be F.O.B. 15100 S. 84th Street, Papillion, Nebraska 68046

New Single Axle Cab Chassis Unit Price: \$ 229,540.⁰⁰
(As specified)

Delivery Date: END OF APRIL, 1ST OF MAY 2014.

Build Out Date: CHASSIS: 60-DAYS, ELLIOTT CRANE 275 FROM RECEIPT OF ORDER.

Company Information:

Years in business: 38 - 1975

Total # of employees: 430

Total sales last 3 years: 520,000,000

References:

Company Name: Builders Supply Co.
Address: 5701 So. 72nd St. Omaha Ne 68127
Contact Name: DOUG HALBERT
Phone Number: 402-331-4500 Fax Number: 402-331-1735
Date of Purchase: 2012, 2013

Company Name: ELLIOTT Equipment Co.
Address: 4427 So. 76th Ln, Omaha, Ne 68127
Contact Name: PAUL THOMAS
Phone Number: 402-592-4500 Fax Number: 402-592-4553
Date of Purchase: 2012, 2013

Company Name: Aspen Equipment Co.
Address: 11475 So. 153rd St. Omaha, Ne 68138
Contact Name: CHRIS EGGEN
Phone Number: 402-894-9300 Fax Number: 402-894-9302
Date of Purchase: 2012, 2013

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

The undersigned acknowledged receipt of the following addendums (if applicable):

Addendum #1 MR Noon
Addendum #2 MR Noon
~~Addendum #3~~ MR Noon

Attachments: Literature - 2 sets of Manufacturer's Specifications

Omaha Truck Center

Company Name

Michael R. Noon

Authorized Signature

4522 So. 108th St.

Address

Omaha, NE 68127

City, State & Zip

Michael Noon

Company Representative (Please print)

402-592-0440

Telephone Number

402-592-2209

Fax Number

MNOON@OmahaTruck.com

E-Mail Address

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