



**SPECIFICATIONS FOR  
2013 TRUCK WITH 55 FOOT  
ARTICULATING OVERCENTER  
AERIAL DEVICE  
(UNIT #54)**

**LINE DIVISION  
UTILITIES DEPARTMENT**

Issue : April 26, 2013



**ADVERTISEMENT FOR BIDS**  
**FOR A**

**2013 Truck with 55 Foot Articulating Overcenter Aerial Device**  
**City of Grand Island**  
Utilities Department – Line Division

Sealed bids will be received at the **Office of the City Clerk, 100 East First Street, Grand Island, NE 68801, until 2:00 p.m., (Local Time), Tuesday, May 21, 2013,** for furnishing a 2013 Truck with 55 Foot Articulating Overcenter Aerial Device (Unit #54). Bids will be publicly opened at this time at the Office of the City Clerk, 100 East First Street, Grand Island, NE. Bids received after the specified time will be returned unopened to sender.

Specifications are on file in the office of Utilities Administration. Bids shall be submitted on forms that will be furnished by the City. **An original and three copies of the bid document must be submitted.**

**Specifications are on file in the office of Utilities Administration. Bids shall be submitted on forms that will be furnished by the City.** An original and three copies of the bid document must be submitted. **The bid proposal package is also available on-line at [www.grand-island.com](http://www.grand-island.com) under Calendars.**

The successful bidder will be required to comply with fair labor standards as required by Nebraska R.R.S.73-102 and comply with Nebraska R.R.S. 48-657 pertaining to contributions to the Unemployment Compensation Fund of the State of Nebraska. Successful bidder shall maintain a drug free workplace policy. Every public contractor and his, her or its subcontractors who are awarded a contract by the City for the physical performance of services within the State of Nebraska shall register with and use a federal immigration verification system to determine the work eligibility status of new employees physically performing services within the State of Nebraska.

Bids will be evaluated by the purchaser based on price, delivery, quality, and adherence to specifications. The Purchaser reserves the right to reject any or all bids, to waive technicalities, and to accept whichever bid that may be in the best interest of the City.

No Company may withdraw its bid for a period of 30 days after date of bid opening.

RaNae Edwards, City Clerk

**CHECKLIST FOR BID SUBMISSION**  
**2013 Truck with 55 Foot Articulating Overcenter Aerial Device**  
**(Unit #54)**

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Bids must be received by the City Clerk before 2:00 p.m. (local time), on Tuesday, May 21, 2013.

The following items must be completed for your bid to be considered.

- A signed Original and three (3) copies of the bid document.
- Names, addresses, and phone numbers of two (2) companies that have purchased this unit in the past must be furnished for reference.
- A realistic delivery date for this equipment.
- Bidders must complete and sign the Bid Data Form provided in these documents. All blank spaces must be filled in. Bidders shall acknowledge receipt of any Addenda information on the Bid Data Form.

Please check off each item as completed.

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Company

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Signature

GENERAL SPECIFICATIONS AND BID SHEET  
FOR  
2013 TRUCK WITH 55 FOOT ARTICULATING OVERCENTER AERIAL DEVICE  
CITY OF GRAND ISLAND, NEBRASKA

Sealed bids will be **received at the office of the City Clerk**, 100 East First St., Grand Island, NE 68801 or P.O. Box 1968, Grand Island, NE, until **2:00 p.m. (Local Time), Tuesday, May 21, 2013**, for furnishing one **(1) 2013 Truck with 55 foot Articulating Overcenter Aerial Device** as specified in these bidding documents, FOB Grand Island, NE.

**The City offers in trade:** 2000 International Model 4900 Truck VIN #1HTSDAAN7YH222015. This truck also has a Terex Telelect Model 5TC-55, Serial #1990608016. Actual mileage as of April 22, 2013, is 43,766 miles, and hours are 9,465. To inspect this truck, contact Bryan Fiala at the Line Division, 1116 West North Front Street; phone (308)385-5472 or (308)390-5210.

**Exceptions to Specifications** - Any bidder who has exceptions to any specifications and requirements listed in the bidding documents must so state in the space provided below (if not enough room, please attach a letter detailing exceptions). Exceptions should also be noted in the blanks provided in the detailed specifications. It is the bidder's responsibility to clearly outline any exceptions. Failure by bidder to outline exceptions will require the successful bidder to comply with the specifications.

**Exceptions to specifications:**

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Attached are detailed minimum specifications. The following general specifications also apply to this bid.

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| <b>Bid Submittal</b>          | All envelopes submitted by Bidder must state the item being bid on the face of envelope. All bidders must submit <b>one original and three (3) copies</b> of the bid document.   |
| <b>Manuals</b>                | Refer to specifications.   |
| <b>Warranty</b>               | The equipment shall carry the standard warranty; bidder should include warranty details with the bid; failure to comply may cause bid rejection.   |
| <b>Descriptive Literature</b> | The bidder shall attach hereto, and it shall be made part of this bid, regularly printed literature as published by the factory which sets out and fully describes the equipment to be furnished in the bid. This literature or other supplemental information shall clearly indicate compliance with each and every item of these Specifications. Failure to indicate compliance may be cause for rejection of bid. |

**Optional Equipment** The general and detailed specifications are the minimum requirements. Bidder may include optional equipment if desired. Optional equipment should be noted as such.

**OSHA & ANSI Requirements** In addition to other specified requirements, the equipment shall meet all current Occupational Safety and Health Administration and American National Standards Institute requirement specifications.

**Delivery** Equipment is to be delivered from assembly point to Grand Island, Nebraska, by commercial freight, rail or truck. Unit shall not be towed in whole or part or driven in excess of 150 miles without the express authorization of the purchaser. Units are to be delivered completely serviced and ready for operation.

**Delivery Date** Each bidder shall state in their bid a realistic delivery date for this equipment. Award winning bidder must deliver within quoted delivery time.

**Payment** The equipment must be new, the latest make or model, unless otherwise specified. Prior to approving the invoice for payment, the City reserves the right to thoroughly inspect and test the equipment to confirm compliance with specifications. Any equipment which does not meet the City's requirements will be returned at vendor's expense for correction. Title, manufacturer's use tax form, odometer form, and any specified data, diagrams and manuals must be received prior to approval of invoice. The invoice will be paid after approval at the next regularly scheduled Council meeting occurring after departmental approval of invoice; the City Council typically meets the second and fourth Tuesday of each month. Invoices must be received well in advance of Council date to allow evaluation and processing time.

**Fair Employment Practices** - Each bidder agrees that he/she will not discriminate against any employee or applicant for employment because of age, race, color, religious creed, ancestry, handicap, sex or political affiliation.

**Data Privacy** - Bidder agrees to abide by all applicable Local, State, and Federal laws and regulations concerning the handling and disclosure of private and confidential information concerning individuals and corporations as to inventions, patents and patent rights. The bidder agrees to hold the City harmless from any claims resulting from the bidder's unlawful disclosure or use of private or confidential information.

**Independent Price Determination** - By signing and submitting bid, the bidder certifies that: the prices in the bid have been arrived at independently, without consultation, communication or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor.

**Clarification of Specification Documents** - Vendors shall promptly notify the Purchasing Agent of any ambiguity, inconsistency or error which they may discover upon examination of the specifications. Interpretations, corrections and changes made to the specifications will be made by written addenda. Oral interpretations or changes to the specifications made in any other manner will not be binding on the City; and bidders shall not rely upon such interpretations or changes.

**Demonstration/Samples** - If requested, the bidders shall, at bidder's expense, demonstrate and/or furnish samples of the exact item(s) proposed within seven (7) calendar days from receipt of such request from the City.

**Bid Evaluation and Award** - No bid shall be withdrawn for a period of thirty (30) days after bid due date. The City reserves the right to reject any and all bids, to waive technicalities and to accept the bid considered by the Purchaser to be in the City's best interest. The bid will be evaluated based on price, demonstration (if requested), delivery, quality, and adherence to specifications, warranty and adaptability of the particular equipment for the specific use intended.

CITY OF GRAND ISLAND  
BID REQUEST INSTRUCTIONS

The City of Grand Island, Nebraska, Utility Underground Division, requests sealed bids for the following:

**2013 Truck with 55 Foot Articulating Overcenter Aerial Device**

As part of the Bid Request the following items are attached:

**Advertisement to Bidders  
General Specifications  
Bid Request Instructions  
Minimum Bid Specifications with Bid Sheet**

Sealed bids must be received by 2:00 p.m. (Local Time), Tuesday, May 21, 2013, and be addressed to:

**City Clerk  
City of Grand Island  
(Street Address) 100 East 1st Street, Grand Island, NE 68801  
(Mailing Address) P. O. Box 1968, Grand Island, NE 68802-1968**

Bid must include the following:

Completed Minimum Specifications and Bid Sheets - Attached  
Warranty Information  
Descriptive Literature

Instructions for Completing Specifications

Bidders must complete the attached specifications by typing or printing responses in blanks. In the "Bidder's Offered Equipment" section, check applicable columns adjacent to component heading.

- Column 1.** Mark this column if equipment Exactly Meets Specifications.  
**Column 2.** Mark this column if equipment Does Not Meet Specifications, and describe equipment on the General Specifications Bid Sheet – Exceptions area.

All information required in specifications must be included with bid. Supplementary material that the bidder wishes to include will be appreciated, but is not required.

Please direct bid questions to Bryan Fiala, Elec. Line Superintendent, 308-385-5472.

**SPECIFICATIONS  
FOR  
2013 TRUCK WITH 55 FOOT ARTICULATING OVERCENTER AERIAL DEVICE  
Minimum Bid Specifications**

GENERAL INFORMATION:

The Unit shall be the latest, current model under standard production. It is to be equipped as regularly advertised and manufactured. If a manufacturer's standard item is specified, IT WILL BE FURNISHED. IF MANUFACTURER HAS A STANDARD ITEM THAT EXCEEDS THE FOLLOWING MINIMUM REQUIREMENTS THEN THAT STANDARD ITEM MUST BE FURNISHED. The unit shall be delivered complete, ready for satisfactory operation and shall comply with the terms, conditions and specifications set forth herein.

**FACTORY INSTALLATION:** If manufacturer has requirements available from factory, then these features when selected, must be FACTORY-INSTALLED; if factory-installation is not available, then the features when selected, must be noted as dealer-installation and an exception.

**DELIVERY:** Between 8:00 A.M. and 5:00 P.M. daily except Saturday, Sunday, and holidays after servicing. Deliveries desired prior to one hundred twenty (120) days after receipt of order; quoted deliveries beyond one hundred twenty (120) days are an award consideration. The Aerial Device shall be delivered F.O.B. destination in Grand Island, Nebraska and in accordance with the delivery schedule shown on the purchase order. The supplier shall call 308-385-5472 forty-eight (48) hours in advance for making delivery to:

Grand Island Utilities Line Division  
1116 West North Front Street  
Grand Island, Nebraska 68801

**SERVICE:** If unit has not been given proper dealer preparation prior to delivery, future consideration of that Dealer's bid may be withheld. Dealer's decals, stickers or other signs shall not be attached to the unit; manufacturer's nameplates, stampings and other signs are acceptable. Failure to comply with the above may result in the Dealer not being allowed to bid on future contracts with the City.



REQUIRED MINIMUM SPECIFICATIONS –

Note in bid and allow for any discrepancies between what is specified for the truck itself and what is needed for proper crane rating and/or operation.

		<b>Meets Specifications</b>	<b>Exceptions (Explain on General Spec Bid Sheet)</b>
1.	<p><b><u>Aerial Device:</u></b>                      56' bottom of platform height                      61' working height                      48' side-reach from center of rotation to outside of platform edge in overcenter position                      43' side-reach from center of rotation to outside of platform edge in non-overcenter position                      Boom is rated with material handling capabilities without the material handler</p>		
2.	<p><b><u>Control System:</u></b>                      A power assist control system used to control all boom functions; lower boom, upper boom and rotation.</p>		
3.	<p><b><u>Upper Controls:</u></b>                      Provide an all-weather "3-D" single stick that controls the upper boom, lower boom, and rotation. Right hand twist-type mounted control. Controller to be designed and tested for 40 KV rating.</p>		
4.	<p><b><u>Lower Controls:</u></b>                      Individual control levers provided and located in an accessible location on the curbside of the turntable. The lower controls activate the lower boom, upper boom, and rotation. Lower controls are capable of fully overriding the platform controls. Emergency stop button to prevent accidental operation is required.</p>		
5.	<p><b><u>Engine Throttle Advance:</u></b>                      An automatic two speed engine throttle control is provided. Includes a pressure switch. The chassis engine will advance to a pre-set speed when needed for boom movement or outriggers. Requires a two channel electric collector ring and a relay.</p>		
6.	<p><b><u>Platform Leveling:</u></b>                      Utilize hydraulic cylinders, roller chains, and fiberglass rods. System to meet all dielectric requirements.</p>		
7.	<p><b><u>Hydraulic Platform Tilt:</u></b>                      The platform to be equipped with hydraulic tilt with controls at platform and at lower controls.</p>		

	<b>Meets Specifications</b>	<b>Exceptions</b> (Explain on General Spec Bid Sheet)
<p>8. <b><u>Lower Boom:</u></b>  A. Lower Boom to be constructed of two fixture-welded (80,000 PSI yield) high strength low alloy steel side plates. Insulator provides 24 inches of isolation in the lower boom. The inner surface of the fiberglass insulator has a wax coating molded in during manufacture to provide a dry, smooth inner surface which will cause moisture to bead. The outer surface has a smooth gel coat finish. Lower boom articulation is 0° to 124° on extended reach units.</p> <p><b>A. Lower Boom Stow Protection</b></p> <p><b>B. Lower Boom Pivot Pin:</b> High strength chrome plated steel with self-lubricating, replaceable, non-metallic bearing</p>		
<p>9. <b><u>Upper Boom:</u></b>  <b>A. Upper Boom:</b> Utilizes a fixture welded, high strength low alloy steel structure designed to accept a fiberglass upper boom section. Steel/glass attachment is bolted and bonded. The fiberglass section provides a minimum of 150 inches of isolation in the upper boom. The inner surface of the fiberglass boom has a wax coating molded in during manufacture to provide a dry, smooth inner surface which will cause moisture to bead. The outer surface has a smooth gel coat finish. Upper boom articulation is 0° to 210°.</p> <p><b>B. Boom Linkage, Walking Link:</b> This design features uniform speed of upper boom, and provides smooth, continuous, self-adjusting, low maintenance operation.</p> <p><b>C. Side-by-Side Boom Stow:</b> This design offers low travel height, low center of gravity and provides easy platform access.</p> <p><b>D. Upper Boom Hold Down Device:</b> Automatic hydraulic locking system.</p>		
<p>10. <b><u>Boom Compensation System:</u></b>  To maintain the angle of the upper boom by using a double acting, hydraulic cylinder while the lower boom is articulated. The upper boom can also be articulated independently. The compensating cylinder has to be recessed within the lower boom allowing for a lower stowed height by six inches.</p>		
<p>11. <b><u>Pedestal:</u></b>  The pedestal is of welded high-strength steel construction (3/8" thick) and designed with access holes for maintenance of hydraulic plumbing. The pedestal top plate is machined after welding to provide a flat mounting surface for the rotation bearing, and is to be 1.55 inches thick. The turntable is constructed of steel plates with an offset configuration to provide maximum strength and sides reach. Steel bottom plate has provisions for attaching inner race of rotation bearing. A 30 gallon <b>internal</b> reservoir built into pedestal.</p>		

**Meets  
Specifications**

**Exceptions  
(Explain on  
General Spec  
Bid Sheet)**

12.	<b><u>Rotation Bearing:</u></b> The rotation bearing is a heavy duty "shear ball" bearing utilizing polished alloy steel balls. High-strength bolts attach the inner and outer races to the pedestal and turntable.		
13.	<b><u>ANSI Rating:</u></b> Components to meet ANSI category B rating: Includes lower test electrode system and system to prevent vacuum in hydraulic lines. (Used between 46,000 volts AC and 138,000 volts AC). 69 kV certification with copy provided. Upper boom controller to be designed and tested for 40 kV AC, twist type controller.		
14.	<b><u>Hydraulic System:</u></b> The hydraulic system used for operating the boom functions is a closed-center, parallel-circuit system. System operating pressure is 350 to 3,000 PSE. A 30 gallon hydraulic oil reservoir is provided and includes a 100 mesh filter and a 10 micron return filter with shut-off valves and necessary plumbing for changing filter with ease. A pressure line filter is installed in the closed center loop. A pressure compensated, variable displacement piston pump is provided. Hydraulic hoses are equipped with permanent type hose fittings.		
15.	<b><u>Control Panel or Power Distribution Module System:</u></b> To interface with the chassis electrical system. Features to include start/stop, throttle control, power take off, interface with Allison transmission, strobes, compartment lights, and all other electrical requirements.		
16.	<b><u>Power Take-off:</u></b> To be installed in conjunction with Allison automatic transmission.		
17.	<b><u>Miscellaneous:</u></b> A load chart stating actual lifting capacity considering all final options, chassis, body, outriggers, and other fixed equipment with final readings based on completed unit stability is standard. A boom angle indicator and decal are mounted on each side of the main boom. The entire unit is painted with a rust inhibiting primer. Two complete manuals providing operation and maintenance procedures, and a replacement parts listing. Warning decals are provided with the unit.		

**Meets  
Specifications**

**Exceptions  
(Explain on  
General Spec  
Bid Sheet)**

<b>Aerial Device Options</b>		
1.	24" x 48" x 42" two person side-mounted fiberglass platform. 750 lb. capacity and two outside access steps on end of platform.	
2.	Insulated platform liner with internal step for 24" x 48" x 42" platform certified for 50,000 volts AC.	
3.	24" bucket riser allowing bucket to raise 24" above the normal position.	
4.	Vinyl platform cover for 24" x 48" platform (elastic around perimeter – no straps).	
5.	90° hydraulic platform rotator for single side mount platform.	
6.	Automatic upper boom latch.	
7.	Overstow Protection.	
8.	Shall have total manual override of upper control by closing of shut-off valve installed in upper control pressure line.	
9.	<b>Dual hydraulic tool outlets</b> at platform with flow control installed at the platform to accommodate two open center hydraulic tools. Tools cannot be operated simultaneously. <b>Bleeder spool</b> provides for ease in connecting and disconnecting couplers. Includes port reliefs to limit pressure to 2,000 PSI. Standard operation of tools with unit on low speed. Flow available for tools 6-8 GPM. Tool return back pressure is less than 2,000 PSI with ISO 15 hydraulic oil. Note: Free flow return includes dripless flush face quick couplers.	
10.	<b>Remote Engine Start/Stop with Secondary Stowage System</b> – captive air from platform as above with DC electric powered secondary stowage system, includes pump and continuous duty motor – operates from truck battery. NOTE: Include this feature at pedestal near lower controls and at rear of tail shelf, centered in tailshelf.	
11.	<b>Emergency power</b> – Full hydraulic power to operate all functions and outriggers.	

**Meets  
Specifications**

**Exceptions  
(Explain on  
General Spec  
Bid Sheet)**

12.	<p><b>Outriggers:</b> Primary "X" type outriggers with fold up shoes with 45° angle edges and flatshoe.          "A" type auxiliary outriggers with 45° angle edges and controls, providing 174 inches of spread to outside of 12 inch square swivel pads, at full extension with lip on outside and inside edge.  <b>Outriggers</b> provide 11.82 inches of ground penetration at full extension, based on a chassis frame height of 40 inches. Full length sub-frame tied into both sets of outriggers.  <b>Outriggers</b> can be seen from control valves during operation. Individual shut-off valves to be included.</p>		
<b>Transverse Body</b>			
1.	<p>Fiberglass body approximately 172" L x 98" W x 48" H (body suitable to mount on clear 120" cab to axle) with the following dimensions and features: <b><u>No Exceptions.</u></b></p>		
a.	18" compartment depth		
b.	60" bed area between rear compartments		
c.	30" top of floor to top of body		
d.	Drip rails on each side, ½ each, making overall width 95"		
e.	Steel understructure		
f.	12-guage aluminum tread plate floor in load space		
g.	RED color gelcoat		
h.	One piece molded doors with automotive finish, both sides		
i.	Spring loaded door supports on all vertical doors Break away spring type.		
j.	Automotive grade bubble gasket door seals		
k.	Stainless steel rotary type door latches with locks keyed alike for all compartments and any additional storage boxes		
l.	Stainless steel door hinges.		
m.	Vinyl coated stainless steel cable door stops on horizontal doors		
n.	Non-skid compartment tops		
o.	Aluminum tread plate on load space walls, and on rear of compartments, both sides		
p.	Aluminum rock guards on front of body – each side		

**Meets  
Specifications**

**Exceptions  
(Explain on  
General Spec  
Bid Sheet)**

q.	Tail lights and license plate light to be mounted in back vertical above tail shelf. NOTE: All lights to be LED type and to include reverse lights		
r.	"LED" rope style compartment lights, top and sides, in all body compartments with master switch in cab		
s.	All compartments and storage boxes to be keyed alike		
<b>Streetside Compartmentation</b>			
1.	<b>First Vertical</b> – (26") Four (4) adjustable shelves with removable dividers on 4" centers.		
2.	<b>Second Vertical</b> – (26") Four (4) adjustable shelves with removable dividers on 4" centers.		
3.	<b>Third Vertical</b> – (24") Sixteen (16) swivel and locking material hooks (3-2-3) installed as high as possible and (3-2-3) installed half-way down. All hooks to be adjustable up/down.		
4.	<b>Horizontal</b> – (58") One (1) tray in bottom of compartment with dividers on 4" center		
5.	<b>Rear Vertical</b> – (36") Ten (10) swivel and locking material hooks as high as possible (2-3-2); and (3) half-way down on rear panel. Outrigger cut-out with short door.		
6.	<b>Through Shelf</b> – From first vertical streetside to rear of body with drop down door at rear.		
<b>Curbside Compartmentation</b>			
1.	<b>First Vertical</b> – (26") Gripstrut access steps to cargo area with two (2) 45° sloped grab handles. Include battery/chain storage compartment with hinged flip-up step. <b>NOTE: STEPS MUST BE EVENLY SPACED DEPTH &amp; HEIGHT.</b> Right hand grab handle to be made of square tubing and attached to bulkhead.		
2.	<b>Second Vertical</b> – (26") Four (4) adjustable shelves with removable dividers on 4" center.		
3.	<b>Third Vertical</b> – (24") Four (4) adjustable shelves with removable dividers on 4" center.		

**Meets Specifications**

**Exceptions**  
(Explain on General Spec Bid Sheet)

4.	<b>Horizontal</b> – (58") Two (2) adjustable shelves with removable dividers on 4" center.		
5.	<b>Rear Vertical</b> – (36") Nine (9) swivel and locking material hooks installed as high as possible, (3-2-2). Include two (2) installed half-way down on back wall. Outrigger cutout with short door.		
6.	<p><b>Aluminum tailshelf extension, 28" (+/-)</b> with "V" shape cutout for pintle hitch. Include treadplate skirting on sides and rear. Rear section to have 10" wide heavy duty aluminum Gripstrut fold-up steps, one each side. Brackets to hold steps in up-right position.</p> <p>Include two (2) aluminum "U" shaped grab handles (bolt on), one each side. Include cross storage with drop down access doors (24" wide x 5" high), one each side.</p> <p>Cross storage to tie in with the sub-base storage. Include 2" flat bar rail around sides and rear, with cleanout in corners.</p> <p>DOT compliant tail and small "dime" clearance lights to be in tail shelf.</p> <p>Rubber grommets around all hole openings in tail shelf.</p> <p>Tail shelf to include directional strobe lights recessed into tailshelf, one each side mount as high as possible in the tail shelf.</p> <p><b>NOTE: Tailshelf is to be flush with platform when the platform is in the stowed position. No Exceptions</b></p>		
7.	<b>Aluminum Gripstrut access step</b> installed in cargo area at curbside for access to curbside compartment top. Step to be bolted to cargo floor.		
8.	<b>Fixed aluminum Gripstrut side access step</b> , installed so that the step extends 2" beyond the body.		
9.	<b>Aluminum basket</b> (6" H x 18" W x 26" L) made of punched metal, installed on top of 1 <sup>st</sup> vertical on streetside.		
10.	<b>One Aluminum Treadplate Rubber Goods Box</b> (12" H x 18" W x 120" L) with two top opening lids, evenly spaced, with support in center for each lid. No center divider. Entire inside of box, including the lids, to be Line-X. The back 24" of the box closest to the platform to have a divider. Each lid to have "T" handle twist lock located on cargo side of box and two (2) cable stops. Box installed on curbside compartment top starting 12" from access steps. Box to be accessible from cargo area.		

**Meets  
Specifications**

**Exceptions  
(Explain on  
General Spec  
Bid Sheet)**

11.	<b>One Aluminum Treadplate Storage Box</b> (13" H x 21" W x 144" L) installed on streetside compartment top. One full length aluminum fixed shelf installed 5" from top of compartment. Include one (1) large drop-down door at rear – door to cover entire section of box. Two (2) top opening lids, each with "T" handle twist lock, installed on side of box. Two (2) cable stops on each lid. Box to be installed at rear of body with access from cargo area. Line-X to be installed on top shelf and inside of both top lids.		
12.	<b>One set of splash aprons</b> with logo installed behind rear wheels. Mud flaps with antisal brackets installed front and back of rear axle mud flap installed behind steering axle.		
13.	<b>Triangular reflector kit</b> , ship loose.		
14.	<b>One ten pound fire extinguisher</b> with mounting bracket. Location to be determined at pre-paint inspection.		
15.	<b>Three-point grounding system</b> tying unit, body, and chassis to a common ground with copper "U" bolts installed at curbside front of cab chassis and curbside rear of tailshelf.		
16.	<b>Four (4) Outrigger pads</b> , Sauber Aluminum, 24" x 2 ½" x 24"		
17.	<b>Four (4) Aluminum Outrigger pad holders</b> – two pad holders on each side of body – installed side-by-side on streetside under 2 <sup>nd</sup> and 3 <sup>rd</sup> vertical. Curbside to be side by side under 2 <sup>nd</sup> and 3 <sup>rd</sup> vertical.		
18.	<b>One aluminum wire reel rack</b> to hold three (3) 16" diameter reels. Include 1 ½" diameter pipe with locking pins on each end. Rack to be bolted to top of rear vertical on curbside. Reels to payout to curbside.		
19.	<b>One aluminum water cast bracket</b> , wire type, installed on curbside front outrigger.		
20.	<b>One (1) orange site rod</b> installed on curbside of boom rest. Include flat bar, approximately 18" long with three (3) "D" rings evenly spaced for transformer tie down, installed on back side of "X" frame outriggers.		
21.	<b>Include removable covers</b> over tubing on "X" frame outriggers.		



**Meets  
Specifications**

**Exceptions  
(Explain on  
General Spec  
Bid Sheet)**

22.	<b><u>Include post type cone holder</u></b> on streetside auxiliary outrigger. Cone holder to store six 28" tall cones.		
23.	<b><u>Heavy duty pintle hook</u></b> , T125 style equivalent, with chassis frame reinforcement and two (2) safety chain rings. Pintle hook to be installed at 28" (+/-), 1" from the ground to centerline of throat. Pintle hook to have secondary latching.		
<b>Electrical Accessories</b>			
1.	<b><u>Lights and reflectors</u></b> in accordance with FMVSS #108 lighting package, installed. All lights to be LED including reverse. <b>NOTE: Lights to be located in rear of body.</b>		
2.	<b><u>Trailer Receptacle</u></b> , 6-way (pin type), installed at rear.		
3.	<b><u>LED Compartment Lights</u></b> , rope lighting, installed on sides and rear of each compartment with master switch in cab.		
4.	<b><u>Two (2) Amber strobe lights</u></b> with brush guards installed on boom rest inboard of Night-Ray lights. Location to be determined at pre-paint.		
5.	<b><u>Surface mount</u></b> . Two (2) Amber LED strobes installed at front grill.		
6.	<b><u>All four (4) strobes</u></b> with one master switch in cab. Strobes to be wired battery hot.		
7.	<b><u>Directional Light Bar</u></b> . 12vdc LED split sequential arrow light with 25 foot harness and control. Each light bar installed recessed into tailshelf, one each side of opossum belly door. Master control switch in cab. <b>Two separate arrows.</b>		
8.	<b><u>Two (2) 6" diameter flood lights</u></b> with rubber housing. One (1) installed center under boom rest to light cargo area. One (1) installed on right hand side of platform support (curbside) facing toward rear – as high as possible to light tailshelf area. Include one master switch inside of cab for lights.		
9.	<b><u>Outrigger Motion Alarm</u></b> – Provides audible alarm when any of the outriggers are in motion.		
10.	<b><u>Backup alarm</u></b> , installed at rear.		

**Meets  
Specifications**

**Exceptions  
(Explain on  
General Spec  
Bid Sheet)**

11.	<b>Electric Trailer Brake Controller</b> (Tekonesha Voyager #9039) Installed in cab. Location to be determined at pre-paint.		
12.	<b>Back-up Camera</b> (Brigade Electronicx) Monitor Model BE-870LM with LED lighting. Monitor to be installed at top in headliner. Camera Model BE-801C, with color, infrared, and heated. Model to be installed at rear of tailshelf, directly below the LED marker lights and in-line with the pintle hitch.		
13.	<b>Two (2) Night-Ray Spotlights</b> , Model NR-675-20DDC, 200k spotlight/50K floodlight. Dual controlled, with wireless key-fob and dash mount control panel. One installed on each side of boom stow with protective guard on strobes and spot lights. To be installed on boom rest even with outside of the body.		
14.	<b>Install modular in-cab accessory switch panel</b> with dual light switches for aerial function identification and activation. All accessory switches to be installed in headlined at top in cab.		
15.	<b>Outrigger Interlock Override Switch.</b> Key override installed inside of cab with indicator light.		
16.	<b>Hour meter installed to record PTO operating hours.</b>		
17.	<b>1600 watt Redi-line generator</b> mounted inside aluminum box with drop down water tight door. Box installed on streetside front outrigger. Wired to be on-demand and tied into GFI outlets in tailshelf. <b>NOTE: Include two (2) 120 volt GFI receptacles with weather resistant enclosures.</b> Install at rear of tailshelf, recessed, one each side.		
<b>Installer Provided Accessories</b>			
<b>Aerial Accessories:</b>			
1.	Hot shift power take-off (PTO) with cab control to drive specified hydraulic pump for aerial and accessory power requirements. For use with 3500 RDS-P automatic transmission.		
2.	Integrated power system for electrical controls on aerial, chassis, PTO throttle, and all accessory items. To be provided by chassis manufacturer or body builder.		
3.	Double braided hydraulic hoses.		

**Meets  
Specifications**

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4.	Tubular rubber platform rest incorporated with pivoting platform support – allow for bucket support while bucket is not leveled.		
5.	Auxiliary hydraulic tool circuit with detent control valve located with the outrigger control valves and dripless flush face quick couplers located at rear.		
6.	Truck grounding kit: 50 feet of 1/0 yellow jacketed cable with serrated jaw, C-clamp style – shipped loose.		
<b>Miscellaneous Accessories:</b>			
1.	Aerial, device, and accessories painted red.		
2.	Unit to be undercoated to military specifications.		
3.	Initial new vehicle DOT inspection.		
4.	Neutral safety switch to be tied into chassis transmission. This will not allow PTO operation while chassis is in gear.		
5.	Installer to provide full line drawing of chassis/body/aerial lift unit.		
6.	Installer must provide demonstration of similar unit at customer's facility prior to bid letting.		
<b>CAB CHASSIS</b>			
1.	<b>Basic Information:</b> Cab/chassis – 2013 model year GVWR 37,000 120" useable clean frame rail, 120" AF		
2.	<b>Engine:</b> Diesel – 330 to 350HP, 1050 to 1150 lb. – ft. torque @ 1400 rpm - Minimum 9.0 L		
3.	<b>Block Heater</b> – 120 Volt/1250 Watt		
4.	<b>Cruise Control</b>		
5.	<b>Electronic throttle control:</b> Wiring to rear of truck by truck manufacturer for two speed throttle.		

**Meets  
Specifications**

**Exceptions  
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6.	<b>Transmission:</b> Shall be Allison #MD3500 RDS close ration, six (6) speed with overdrive Auto transmission oil cooler Push button shift control PTO capabilities		
7.	<b>Rear Axle:</b> Single reduction 23,000 lb. rear axle Driver controlled locking main differential To be geared to maximum speed for 75 mph		
8.	<b>Rear Suspension:</b> 23,000 lb. variable rate springs with 4,500 lb. auxiliary springs		
9.	<b>Front Axle:</b> 14,000 lb. front axle capacity		
10.	<b>Front Suspension</b> 14,600 lb. to 16,000 capacity multi-leaf shackle type Front shock absorbers Front auxiliary springs		
11.	<b>Frame</b> <u>Section modulus to be 17.80</u> Frame rails to be 120,000 psi Full "C" reinforcement 2,800,000 RBM One (1) center mounted front tow hook		
12.	<b>Front Bumper:</b> Full width heavy duty type with opening for one (1) recessed center mounted tow hook Bumper ends angle back to the truck		
13.	<b>Brakes:</b> Full air system Automatic slack adjusters 13.2 cubic ft. minimum displacement air compressor AD 9 Air Dryer Electric trailer brake control – a (*NAPA) model 89841 shall be furnished and installed in the driver's area to match the wiring of existing fleet.		
14.	<b>Female plug-in type</b> (RV style 7 Spade) shall be recessed mounted in tail shelf (to be provided by body builder)		
15.	<b>Single Power Steering Gear</b>		

**Meets  
Specifications**

**Exceptions  
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16.	<b><u>Tilt Wheel:</u></b> Power Steering with pump cooler		
17.	<b><u>Exhaust System:</u></b> Vertical mounted muffler with shortest chrome curved stack mounted to not affect CA distance Exhaust to have chrome guard – to be mounted passenger side to allow for clearance of mounting PTO hydraulic pump.		
18.	<b><u>Hood:</u></b> Tilting, fiberglass hood Chrome Grille Winter – front with snap on grill cover		
19.	<b><u>Electrical System:</u></b> 12 volt Alternator 160 amp Battery system – <b>three (3)</b> maintenance free batteries 2775 CCA		
20.	<b><u>Provisions for exterior jump start</u></b>		
21.	<b><u>Circuit Breakers</u></b> <b><u>No Exceptions</u></b>		
22.	<b><u>Back-up Alarm</u></b> (to be provided by body builder)		
23.	<b><u>Radio:</u></b> AM/FM CD player with weather band and clock Minimum of four speakers		
24.	<b><u>Two-way Radio effects:</u></b> Available circuit for future (customer installed) two-way radio installed in overhead console area.		
25.	<b><u>Air Horns</u></b> – to be mounted under the cab		
26.	<b><u>Self-cancelling turn signals</u></b>		
27.	<b><u>Gauges &amp; Controls:</u></b> Ignition switch controlled engine stop Switches installed as needed Wired for two-way radio capability		

**Meets  
Specifications**

**Exceptions  
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27.	<b><u>Dash/Console Mounted Direct Reading Gauges:</u></b> Low oil pressure High water temperature – light and buzzer Engine tachometer Transmission temperature Air filter gauge 2" (diameter) primary and secondary air psi Engine hour meter PTO hour meter		
28.	<b><u>Air Conditioning</u></b> Intermittent type		
29.	<b><u>Heat and Defrost</u></b>		
30.	<b><u>Windshield Wipers</u></b>		
31.	<b><u>Exterior West Coast Mirrors:</u></b> With 2 <sup>nd</sup> mirror below being convex-break-away style <b><i>Mirrors to be heated</i></b>		
32.	<b><u>Interior Lights:</u></b> Center mounted dome light (controlled by door and light switch) Two (2) independently controlled large map lights Courtesy floor lights (controlled by door and light switch)		
33.	<b><u>Tinted Windows:</u></b> <b><i>Driver's side and passenger's side windows to be power windows.</i></b>		
34.	<b><u>Rear window with slider</u></b> <b><u>Two (2) Rear corner cab windows</u></b>		
35.	<b><u>Two (2) exterior grab handles</u></b>		
36.	<b><u>50 gallon fuel tank:</u></b> To be mounted on the driver's side under the cab DEF tank to be mounted in the rear of the fuel tank		
37.	<b><u>Colors:</u></b> Interior – Factory black or gray Exterior – Standard red with base coat clear coat finish		
38.	<b><u>Undercoating:</u></b> Complete unit to be undercoated to military specs		

**Meets  
Specifications**

**Exceptions  
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39.	<b>Wheel Seals:</b> All wheels to be oil lubricated type Front wheels to have filler plug in cap		
40.	<b>Wheels:</b> Ten hole budd type Polished aluminum front and rear 8.25 inch, 12R22.5 Hub piloted		
41.	<b>Mud Flaps:</b> Heavy duty anti-sail behind front wheels and back and front of rear wheels (provided by body builder)		
42.	<b>Tires:</b> Front tires – 12R22.5 – 16 ply Rear tires – 12R22.5 – mud and snow – 14 ply  <b>Tread:</b> Off road traction Extra custom grip mud and snow Self-cleaning lugs		
43.	<b>Spare wheel and tire:</b> To match the front wheel and tire mounted and balanced and shipped loose.		
44.	<b>Tire Chains:</b> One (1) set of chains for <i>outside rear</i> wheels to provide adequate clearance on all rear wheels. They shall be cam system latch type with appropriate chain and spring tensioning devices (no rubber straps) To be provided by body builder.		
45.	<b>Chassis Manuals</b> Two (2) sets paper manuals		
46.	<b>Warranty:</b> One year parts and labor to include travel expenses.		
47.	<b>All Aluminum Cab:</b> Sun visor on cab Piano style door hinges to eliminate door sag Marker lights to be LED		
48.	<b>Interior:</b> Premium package for the purpose of sound reduction and to make standard storage areas – in door panels, overhead in the visor area, in/on dash.		

**Meets  
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48a.	Two (2) 12 volt auxiliary power ports in cab area.		
48b.	Air Ride Seats with intermediate backs Driver seat to include right hand arm rest Passenger seat to include left hand arm rest Cup and storage counsel to be installed between Vinyl seats		
48c.	Vinyl floor matting and insulation		
48d.	Custom, removable floor mats – made for particular cab		
49.	<b><u>Application Solutions System</u></b> that includes features designed to simplify the integration of added equipment to the truck's electrical system. Features Included: 1) Body Integration Remote Power Module 2) Body Integration PTO Accommodation for electric over hydraulic PTO 3) Body Integration Indicator lights – Two (2) lights for boom out of stow, one (1) light for outriggers deployed, included audible alarm and interlock to parking brake 4) Body Integration throttle control for dual function input, for utility applications 5) Body Integration Remote Start/Stop		
50.	<b><u>Undercoat body:</u></b> Rhino line inside wheel wells, body floor and compartment		
51.	<b><u>Digital Pre-paint Inspection and personal inspection required.</u></b>		
52.	One 1:34 scale die cast replica toy truck		

\*Specified item can be substituted by a pre-approved equal or better brand or design.



**BID FORM**  
**CITY OF GRAND ISLAND, NEBRASKA**  
(All bids must be submitted on this form)  
TO THE CITY COUNCIL  
CITY OF GRAND ISLAND  
GRAND ISLAND, NE

The undersigned bidder, having examined all specifications and other bidding documents, and all addenda thereto, and being acquainted with and fully understanding all conditions relative to the furnishing of the specified equipment to the City of Grand Island, NE, hereby proposes to furnish and deliver such equipment FOB Grand Island, NE, at the following price:

<u>ITEM DESCRIPTION</u>	<u>COST</u>
Total Base Bid:	
2013 Truck with 55 Foot Articulating Overcenter Aerial Device	\$ _____
<b><u>Less trade in: 2000 International Model 4900 Truck</u></b>	
VIN #1HTSDAAN7YH222015. This truck also has a Terex Telelect Model 5TC-55, Serial #1990608016. Actual mileage as of April 22, 2013, is 43,766 miles, and hours are 9,465.	(\$ _____)
<b><u>Final Bid:</u></b>	\$ _____

***The City of Grand Island does not pay Federal excise tax. The applicable state sales tax will be paid by the Utilities Department at the County Administration Building.***

If awarded the contract, the undersigned bidder agrees to deliver the specified equipment within \_\_\_\_\_ days from date of order.

Terms shall be Net 30 unless otherwise stated by bidder.

Bidder acknowledges receipt of Addendum Number(s) \_\_\_\_\_ and has considered addendum information in bid preparation.

Attached to the bid is all supplementary information requested in the bidding documents.

Bidder Company Name \_\_\_\_\_ Date \_\_\_\_\_

Company Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Name of Person Completing Bid (please print) \_\_\_\_\_

Signature \_\_\_\_\_

Telephone No. \_\_\_\_\_ Fax No. \_\_\_\_\_

THE CITY OF GRAND ISLAND RESERVES THE RIGHT TO ACCEPT OR REJECT ANY OR ALL BIDS.

NOTE: any exceptions to specifications must be noted in the space provided on page one of General Specs, or by attached letter.