



**Specifications for
2012 Truck
With Digger Derrick Unit
(Unit #59)**

**Line Division
Utilities Department**

CHECKLIST FOR BID SUBMISSION
2012 Truck with Digger Derrick Unit
(Unit #59)

Bids must be received by the City Clerk before 2:00 p.m. (local time), on Tuesday, March 20, 2012.

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.

Company

Signature

Telephone Number

Fax Number



ADVERTISEMENT FOR BIDS
FOR A
2012 Truck with Digger Derrick Unit (Unit #59)
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, March 20, 2012,** for furnishing a 2012 Truck with Digger Derrick Unit (Unit #59). 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 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

GENERAL SPECIFICATIONS AND BID SHEET
FOR
ONE (1) 2012 TRUCK
WITH DIGGER DERRICK UNIT
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) on Tuesday, March 20, 2012**, for furnishing one **(1) 2012 Truck – Complete with Digger Derrick Unit** specified in these bidding documents, FOB Grand Island, NE.

The City offers in trade: 1998 International Model 4900 4 x 2 Truck VIN #1HTSDAAR2XH603272. This truck also has a Terex-Telelect model Commander 4045 digger derrick and a 120-180 line body mounted on it.

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. 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:

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

- | | |
|-------------------------------|--|
| Bid Submittal | All envelopes submitted by Bidder must state the item being bid on the face of envelope. All bidders must submit one original and three (3) copies of the bid document. |
| Manuals | Refer to specifications. |
| Warranty | The equipment shall carry the standard warranty; bidder should include warranty details with the bid; failure to comply may cause bid rejection. |
| Descriptive Literature | 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 his 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, adherence to specifications, warranty and adaptability of the particular equipment for the specific use intended.

Gratuities and Kickbacks

City Code states that it is unethical for any person to offer, give, or agree to give any City employee or former City employee, or for any City employee or former City employee to solicit, demand, accept, or agree to accept from another person, a gratuity or an offer of employment in connection with any decision, approval, disapproval, recommendation, or preparation of any part of a program requirement or a purchase request, influencing the content of any specification or procurement standard, rendering of advice, investigation, auditing, or in any other advisory capacity in any proceeding or application, request for ruling, determination, claim or controversy, or other particular matter, pertaining to any program requirement or a contract or subcontract, or to any solicitation or proposal therefore. It shall be unethical for any payment, gratuity, or offer of employment to be made by or on behalf of a subcontractor under a contract to the prime contractor or higher tier subcontractor or any person associated therewith, as an inducement for the award of a subcontract or order.

CITY OF GRAND ISLAND
BID REQUEST INSTRUCTIONS

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

One (1) 2012 Truck with Digger Derrick Unit

The City offers in trade: 1998 International Model 4900 4x2 Truck VIN #1HTSDAAR2XH603272. This truck also has a Terex-Telect model Commander 4045 digger derrick and a 120-180 line body mounted on it. Mileage and hours as of February 14, 2012 are miles 53,207 and hours are 7,871.

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), on Tuesday, March 20, 2012, 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. Distribution Superintendent, 308-385-5472.

**VEHICLE SPECIFICATIONS
FOR
2012 Truck with Digger Derrick Unit
Minimum Bid Specifications**

The units described shall be new, current year manufacture, and manufacture's latest design and production, complete, serviced, ready for work including all standard equipment and any optional equipment as deemed necessary by the City of Grand Island. The City will consider any unit that meets or exceeds required minimum specifications as stated herein or any approved equal unit. The City of Grand Island reserves the right to reject any or all bids and waive any technicalities.

GENERAL INFORMATION:

The truck shall be complete with enclosed type cab and is to be the latest, current model under standard production. The unit is to be equipped as regularly advertised and manufactured. If a manufacturer's standard item is specified, IT WILL BE FURNISHED whether or not a particular truck data book shall designate such items as an option. 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 the 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 4:00 P.M. daily except Saturday, Sunday, and holidays after servicing and ready to drive, with not less than 5 (five) gallons of gasoline. Deliveries desired prior to 120 days after receipt of order; quoted deliveries beyond 120 days are an award consideration. All vehicles 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: Vehicles showing lack of proper Dealer pre-delivery service will be subject to rejection until the vehicle is properly serviced. Factory pre-delivery service will not be acceptable. If units have 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 units; manufacturer's nameplates, stampings and other signs are acceptable. Motor vehicles that have been wrecked or sustained more than minor nicks and scratches will not be accepted. The dealer shall not attempt to deliver a unit until minor nicks and scratches have been repaired. Failure to comply with the above may result in the Dealer not being allowed to bid on future motor vehicle contracts with the City.

REQUIRED MINIMUM SPECIFICATIONS –
2012 TRUCK WITH DIGGER DERRICK UNIT

Meets
Specifications

Exceptions
 (Explain on General
 Spec Bid Sheet)

CAB CHASSIS			
1.	Basic Information: Cab/chassis – 2012 model year GVWR 37,000 120" useable clean frame rail, 100" AF		
2.	Engine: Diesel – 330 to 350HP, 1050 to 1150 lb.-ft. torque @ 1400 rpm Minimum 8.3 L		
3.	Block Heater 120 Volt/1250 Watt		
4.	Cruise Control		
5.	Electronic throttle control - Wiring to rear of truck by truck manufacturer for two speed throttle - Back-up alarm when truck is in reverse		
6.	Transmission: Shall be Allison #MD3500 RDS close ration, 6 speed w/overdrive Auto transmission oil cooler Push button shift control		
7.	Rear Axle Single reduction 23,000 lb. rear axle Driver controlled locking main differential To be geared to maximum speed for 75 mph		
8.	Rear Suspension 23,000 lb. variable rate springs with 4,500 lb. auxiliary springs		
9.	Front Axle 14,000 lb. front axle capacity		
10.	Front Suspension 14,000 lb. capacity multi-leaf shackle type Front shock absorbers Front auxiliary springs		
11.	Frame: Frame rails to be 120,000 psi Full "C" reinforcement 2,800,000 RBM One (1) center mounted front tow hook		

		Meets Specifications	Exceptions (Explain on General Spec Bid Sheet)
12.	Front Bumper: Full width heavy duty type with opening for, one(1) recessed center mounted tow hook Bumper ends angles back to the truck		
13.	Brakes: 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.	Female plug in type (RV style 7 Spade) shall be recessed Mounted in Tail shelf		
15.	Single Power Steering Gear: - TRWTAS85 power steering gear or equivalent		
16.	Tilt Wheel: Power Steering		
17.	Exhaust System: 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.	Hood: Tilting, fiberglass hood Chrome Grille Winter-front with snap on grill cover		
19.	Electrical System: 12 volt Alternator 160 amp. Battery system – Three (3) maintenance free batteries 2775 CCA Batteries to be under cab passenger side		
20.a	Provisions for exterior jump start		
20.b	Circuit Breakers		
20.c	Back-up Alarm		
21.	Radio: AM/FM CD player with weather band and clock Minimum of four speakers.		
22.	Two-way Radio effects - available circuit for future (customer installed) Two-way radio installed in overhead console area		

		Meets Specifications	Exceptions (Explain on General Spec Bid Sheet)
23.	<p><u>Gauges and Controls:</u> Ignition switch controlled engine stop</p> <p>Switches installed as needed Wired for two-way radio capability</p> <p><i>Dash/Console Mounted direct reading gauges:</i> 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</p>		
24.	<u>Air Conditioning</u>		
25.	<u>Heat and Defrost</u>		
26.	<u>Windshield Wipers</u>		
27.	<p><u>Exterior West Coast Mirrors:</u> With 2nd mirror below being convex – break-away style Mirrors to be heated</p>		
28.	<p><u>Interior Lights:</u> 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)</p>		
29.	<p><u>Tinted Windows</u> <u>Drivers side and passengers side windows to be powered windows</u></p>		
30.	<u>Extended rear window with slider</u>		
31.	<u>Two (2) exterior grab handles</u>		
32.	<p><u>50 gallon fuel tank</u></p> <ul style="list-style-type: none"> - To be mounted driver side under cab - DEF tank to be mounted in rear of fuel tank 		
33.	<p><u>Colors</u> Interior – Factory black or gray Exterior – Standard red with base coat Clear coat finish</p>		
34.	<p><u>Undercoating</u> Complete unit to be undercoated to military specs</p>		
35.	<p><u>Wheel Seals:</u> All wheels to be oil lubricated type. Front wheels to have filler plug in cap</p>		

		Meets Specifications	Exceptions (Explain on General Spec Bid Sheet)
36.	Wheels: Budd type Hub piloted Polished aluminum front and rear		
37.	Mud Flaps: Heavy duty anti-sail behind front wheels		
38.	Tires: Front tires – 12R22.5 16 ply Rear tires – 12R22.5 mud and snow 14 ply <u>Tread:</u> Off road traction Extra custom grip mud and snow Self cleaning lugs Non-directional		
39.	Spare wheel and tire: To match the front wheel and tire mounted and balanced and shipped loose.		
40.	Tire Chains: One (1) set of chains for outside rear 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)		
41.	Chassis Manuals Two (2) Sets paper		
42.	Warranty One year parts and labor to include travel expenses		
43.	All Aluminum Cab: - Sun visor on cab - Piano style door hinges to eliminate door sag - Marker lights to be LED		
44.	Interior: 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		
44.a	Two (2) 12 volt auxiliary power ports in cab area		
44.b	Two (2) air adjustable vinyl seats		
44.c	Vinyl floor matting and insulation		
44.d	Custom, removable floor mats – made for particular cab		

		Meets Specifications	Exceptions (Explain on General Spec Bid Sheet)
45.	<p>Application Solutions System that includes features designed to simplify the integration of added equipment to the truck's electrical system.</p> <p>Features Included:</p> <ol style="list-style-type: none"> 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 6) Body Integration for radio remote operation of the digger unit 		
46.	If not able to provide the above, wiring components for operation of derrick must be provided		

* NOTED BRANDS MAY BE SUBSTITUTED BY A PREAPPROVED EQUAL TO OR BETTER BRAND AND SUCH BRAND SHALL BE LISTED IN THE EXCEPTION PORTION OF THIS DOCUMENT FOR UTILITY REVIEW

The names, addresses, and phone numbers of two companies that have purchased this unit in the past must be furnished for reference. Also, weight tickets after completion are required from the same.

**Meets
Specifications**

Exceptions
(Explain on General
Spec Bid Sheet)

DERRICK:			
1.	One (1) new 47 ft. sheave height model hydraulic rotating digger derrick with a turntable winch		
2.	<p>Design Criteria:</p> <ul style="list-style-type: none"> - The digger derrick will be designed in accordance with current industry and engineering standards applicable and accepted for structural and hydraulic design - The digger derrick shall meet ANSI/ASSE A10.31-2006 		
3.	<p>Elevation:</p> <p>From +80 degrees above horizontal to -20 degrees below horizontal</p>		
4.	<p>Pedestal & Turntable:</p> <p>Square or round constructed pedestal shall have access holes for maintenance of hydraulic plumbing. The turntable is to be an off-set design to provide maximum stability and strength. The turntable is to be fabricated from high-strength steel side plates and a single piece bottom plate</p>		
5.	<p>Lift Cylinder(s):</p> <p>Double acting cylinder(s) with chrome plated rods, integral holding valves and self aligning swivel bushings. Cylinder(s) shall be capable of holding the rated lifting capacity of the derrick</p>		
6.	<p>Steel Lower Boom:</p> <p>The boom is to be a fabricated box utilizing high strength steel plates</p>		
7.	<p>Steel Intermediate Boom:</p> <p>Fabricated box constructed of high strength steel. Powered by a double acting hydraulic cylinder equipped with integral holding valves on both extend and retract ports. The cylinder shall be stored within the boom to prevent damage. The cylinder shall be removed from the rear of the boom, thus eliminating the need to pull all the boom sections apart if maintenance is required. The extension shall move in/out on replaceable wear pads and be coated with graphite for ease of movement without the use of grease</p>		

		<u>Meets Specifications</u>	<u>Exceptions</u> (Explain on General Spec Bid Sheet)
8.	<p><u>Centrifugally Cast or Filament Wound Fiberglass Hydraulic Upper Boom:</u></p> <ul style="list-style-type: none"> - Capable of lifting the hydraulic capacity of the derrick in all positions - Tested and rated for line voltage up to and including 46 KV AC - Tapered non-metallic rollers or pads mounted at the end of the intermediate boom to support the fiberglass boom under load minimizing scratches and abrasions. The sides of the fiberglass boom shall be supported and guided by manufacturer's specifications and design to reduce wear and tracking 		
9.	<p><u>Boom Interlock:</u> To operate the booms all outriggers must be extended</p>		
10.	<p><u>Continuous & Unrestricted Rotation:</u> The collector block shall provide a rotating oil distribution system for continuous and unrestricted rotation. Planetary gear drive rotation including spring loaded hydraulically released parking brake and reversible hydraulic motor, non-slip rotation</p>		
11.	<p><u>Hydraulic System:</u></p> <ul style="list-style-type: none"> - 50 gallon hydraulic oil reservoir shall include 10 micron replaceable cartridge type return line filter mounted in reservoir with bypass valve incorporated in filter to prevent restricted flow - A 100 mesh in screen in filter cap. A 40 mesh screen included in tank outlet and a 2 ½" full flow gate type shut off valve. Include a dipstick - Relief valves to protect the derrick circuits and digger-winch circuits shall be provided - Hydraulic hoses are to be equipped with permanent type dripless hose fittings 		
12.	<p><u>Miscellaneous:</u></p> <ul style="list-style-type: none"> - 		
12.a	<ul style="list-style-type: none"> - Rechargeable battery powered Radio Remote Control for digger unit complete with two (2) spare batteries 		
12.b	<ul style="list-style-type: none"> - Battery charger to be mounted passenger side floor between seat and door, not mounted shipped loose 		
12.c	<ul style="list-style-type: none"> - A boom-angle indicator and decal shall be mounted on each side of the lower boom 		
12.d	<ul style="list-style-type: none"> - The entire unit is to be painted with rust inhibiting primer 		

**Meets
Specifications**

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

12.e	- Warning decals shall be provided with unit																						
12.f	- Clevis for two part line attachment shall be provided																						
13.	<p>Turntable Winch Including Transferable Pole Buddy Assembly:</p> <ul style="list-style-type: none"> - 15,000 lb. bare drum capacity worm gear winch equipped with hydraulic counterbalance valve mounted on the derrick turntable. Equipped with flanged pole buddy transferable from intermediate boom to upper boom. - Note: For use of a synthetic rope on worm gear winch (wire rope not acceptable option) 																						
14.	<p>Minimum Boom Lift Capacities:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"></th> <th style="text-align: center;">All Booms Retracted</th> <th style="text-align: center;">Intermediate Boom Extended</th> <th style="text-align: center;">Intermediate & Upper Boom Extended</th> </tr> </thead> <tbody> <tr> <td>Maximum Elevation</td> <td style="text-align: center;">23,790</td> <td style="text-align: center;">13,900</td> <td style="text-align: center;">13,530</td> </tr> <tr> <td>10 ft. Radius</td> <td style="text-align: center;">11,500</td> <td style="text-align: center;">10,550</td> <td style="text-align: center;">10,230</td> </tr> <tr> <td>45 degree boom angle</td> <td style="text-align: center;">7,430</td> <td style="text-align: center;">6,650</td> <td style="text-align: center;">6,410</td> </tr> <tr> <td>0 degree boom angle</td> <td style="text-align: center;">3,940</td> <td style="text-align: center;">2,190</td> <td style="text-align: center;">1,590</td> </tr> </tbody> </table> <p>NOTE: Lifting capacities shall include all requested options</p>		All Booms Retracted	Intermediate Boom Extended	Intermediate & Upper Boom Extended	Maximum Elevation	23,790	13,900	13,530	10 ft. Radius	11,500	10,550	10,230	45 degree boom angle	7,430	6,650	6,410	0 degree boom angle	3,940	2,190	1,590		
	All Booms Retracted	Intermediate Boom Extended	Intermediate & Upper Boom Extended																				
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45 degree boom angle	7,430	6,650	6,410																				
0 degree boom angle	3,940	2,190	1,590																				
15.	<p>Sheave Heights:</p> <ul style="list-style-type: none"> - With intermediate boom extended, 38.5 ft. at maximum elevation - With upper boom extended, 46.8 ft. at maximum elevation - Dimensions are based on a 40" chassis frame height 																						
16.	<p>Load Radius:</p> <ul style="list-style-type: none"> - 29 ft. from C/L of rotation, at 0 degree, intermediate boom extended - 37 ft. from C/L of rotation, at 0 degree, upper boom extended 																						
17.	<p>Digging Radius: 17 ft. to 26 ft., at 0 degree</p>																						

**Meets
Specifications**

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

18.	<p><u>Curbside Mounted Command Post with Single Stick Control:</u></p> <ul style="list-style-type: none"> - Control allows one hand to operate three functions; rotation, boom elevation, and intermediate boom extension - Upper boom extension and other functions have individual controls. The winch and digger controls are to be mounted to the left of the operator's seat - Glycerin filled pressure gauge provided to monitor system pressure - Permanent type control decals provided - Adjustable cushioned operator seat provided as standard and includes side rails - Hydraulic foot throttle - Stowable command post access step and hand rail installed 		
19.	<p><u>Full pressure, full flow, stacked electric over hydraulic valve assembly hydraulic system control:</u></p> <ul style="list-style-type: none"> - Hydraulic controls for remote control of digger unit - Indicate how long your company has been utilizing this type of control for the quoted model 		
20.	<p><u>Stop/start at command post</u></p> <ul style="list-style-type: none"> - Neutral safety switches to be tied into chassis transmission. This will not allow PTO operation while transmission is in gear 		
21.	<p><u>One 50 Watt halogen 6" spotlight at command post;</u></p> <ul style="list-style-type: none"> - Light to be switched on command post. 		
22.	<p><u>Operator controls lighted at command post</u></p>		
23.	<p><u>Tachometer at command post</u></p>		
24.	<p><u>12,000 ft.-lb. Two Speed Digger with Hydraulic shift equal to a (ESK 76BA):</u></p> <ul style="list-style-type: none"> - Planetary gear drive powered by reversible hydraulic motor. - 60" long x 2 5/8" hex auger shaft with auger adjustment holes - Digger hanger bracket is box section and is equipped with a transfer protection system, auger stowage bracket with self latching auger catch, hydraulic auger release, and nylon auger roll-up strap - The auger stowage bracket stores up to a 24" diameter auger, in the standard position - Telescopic trombone tube provided to shift the two-speed digger hydraulically - Digger storage protection system to protect the auger storage cable from damage caused by over-winding. Oil from the digger system returned to the tank before the cable is over-stressed - Mount on streetside location 		

**Meets
Specifications**

Exceptions
(Explain on General
Spec Bid Sheet)

25.	<p><u>2 & 5/8" hex hollow Kelly Bar in lieu of standard solid Kelly Bar</u></p> <ul style="list-style-type: none"> - The bar will be capable of accepting an anchor assembly with a 3/4" diameter rod and a 1 1/4" hex head with 1" thread. The lower part of the shaft will accept a 1 1/2" square anchor helix 		
26.	<p><u>Pole Guide for Transferable Pole Buddy:</u></p> <ul style="list-style-type: none"> - Unique circular design of arms that handle poles up to 23 inch diameter - Hydraulic cylinders equipped with holding valves operate the tilt and open/close on pole guide arms - Pole guide hoses are contained in a chain type carrier, installed on the side of the boom - Transfers from the end of the intermediate boom to the end of the upper boom and vice versa - The pole guide will be installed on the transferable pole buddy flange assembly 		
27.	<p><u>Pole Guide Interlock for Transferable Pole Guide:</u> Protects both the pole guide and the boom from accidental damage caused by extending the upper boom while the pole guide is on the intermediate boom and tilted downward</p>		
28.	<p><u>Adjustable flow divider for tamp and pole puller</u></p>		
29.	<p><u>Single Speed Hydraulic System:</u></p> <ul style="list-style-type: none"> - Provides constant digger/winch flow with boom operation 		
30.	<p><u>Electric collector ring 6-conductor</u></p>		
31.	<p><u>Full length subframe for 120" CA chassis</u></p> <ul style="list-style-type: none"> - The subframe shall be constructed of 6" x 6" square tube rails with 3/8" top and bottom plates 		
32.	<p><u>Tie down Kit</u></p> <ul style="list-style-type: none"> - Tie down bolts must be in shear. No welding to chassis frame rails 		

**Meets
Specifications**

Exceptions
(Explain on General
Spec Bid Sheet)

33.	<p><u>Primary Extra Heavy Duty A-frame Outriggers:</u></p> <ul style="list-style-type: none">- Hydraulic double acting outriggers including integral holding valves- (nominal)146.7" spread pin to pin and 157.5" to outside of pads at 13" penetration and 40 " frame height- 12"x14"(nominal) swivel type, fold up stabilizer pads.- Inside and outside of stabilizer pad angled at 45 degrees.- The outrigger extension legs will be coated with graphite for ease of movement and do not require grease. <p><u>Auxiliary Heavy Duty A-frame Outriggers:</u></p> <ul style="list-style-type: none">- Hydraulic double acting outriggers including integral holding valves- (nominal)146.7" spread pin to pin and 157.5" to outside of pads at 13" penetration and 40 " frame height- 12"x14"(nominal) swivel type, fold up stabilizer pads.- Inside and outside of stabilizer pad angled at 45 degrees.- The outrigger extension legs will be coated with graphite for ease of movement and do not require grease.		
34.	<p><u>Controls for 2 set of Outriggers and Auxiliary Tool Outlets below rotation:</u></p> <ul style="list-style-type: none">- Recessed at rear of truck each side for ease of view for outrigger placement- Includes switches and alarm for outrigger in motion alarm		
35.	<p><u>Pump for use with Approximate 149% PTO:</u></p> <ul style="list-style-type: none">- Single speed provides winch line coordination with boom extension and retraction- Provides 16 gallons per minute to boom functions and 38 gallons per minute to digger/winch function. Boom extension is 5% slower than winch- Provides five gallons per minute for tools at 650 rpm engine speed- Includes pump kit		
36.	<p><u>Stanley Model TA54003 Hydraulic Tamp with 3 ft. handle without valve</u></p> <ul style="list-style-type: none">- To include kidney shaped tamp shoe and hose whips with drip less quick disconnect couplers (Brunning part #371 & 372 or equal)		

**Meets
Specifications**

Exceptions
(Explain on General
Spec Bid Sheet)

37.	<p>Curbside pole hauler:</p> <ul style="list-style-type: none">- Telescopic upper pole rest to be at least 18" wide when collapsed and be incorporated into boom rest, capable of hauling poles without relocating boom.- Upper pole rest to be positioned by boom rest to allow pole claws to hold down poles during travel.- Telescopic lower pole rest to be at least 18" wide when collapsed and tall enough to allow for safe travel height of loaded poles.- Lower pole rest to be removable through receiver(s) with pin.- Lower pole rest storage position on rear of pedestal.- Lower pole rest to have mounted ratchet strap capability to stabilize poles during travel.- Both pole rests to be constructed of 3" steel tubing(minimum),		

UTILITY BODY / ALL ALUMINUM			
1.	<p><u>Flatbed, 10 ft. heavy duty with 3/16 in. thick aluminum tread plate deck</u></p> <ul style="list-style-type: none"> - with 4" fixed expanded metal kick rail 		
2.	<p><u>Transverse Aluminum Saddle compartment:</u></p> <ul style="list-style-type: none"> - 72" wide x 48" high x 94" across with 18" deep compartments - ALL drawers' shelves and bin compartments to have spaghetti lining or equivalent 		
2.a	<p><u>Aluminum Compartmentation – Curbside:</u></p> <ul style="list-style-type: none"> - 1st Vertical – Transverse – 24" W with three (3) drawers, two (2) 4" D and one (1) 6" D x 44" L on ball bearing slides with dividers on 4" centers. Each drawer to have two (2) latches with a chain between latches. Through shelf over the top of the drawers and two (2) adjustable shelves below drawers - 2nd Vertical 24" W x 18" D to have seven (7) materials hooks 2-3-2 in the top portion of the compartment and seven (7) swivel hooks 2-3-2 16" above the compartment floor - 3rd 24" W x 18" D recessed side access steps made of treadplate with pool type grab rail on bed and grab handle on rear of 2nd vertical. Steps to be hinged to access storage compartment below steps. Storage compartment door to have recessed grab handle. (no paddle style latch) - 		
2.b	<p><u>Aluminum Compartmentation – Street side:</u></p> <ul style="list-style-type: none"> - 1st Vertical – Transverse – 24" W with three (3) drawers, two (2) 4" D and one (1) 6" D x 44" L on ball bearing slides with dividers on 4" centers. Center drawer to have fixed 4"x4" compartments. Each drawer to have two (2) latches with a chain between the latches. Through shelf over the top of the drawers and two (2) adjustable shelves below drawers - 2nd Vertical – 24" W x 18" D to have seven (7) materials hooks 2-3-2 in the top portion of the compartment and seven (7) swivel hooks 2-3-2 16" above the compartment floor - 3rd Vertical 24" W x 18" D to have eight (8) materials hooks 2-4-2 in top portion of compartment and seven (7) swivel hooks 2-3-2 16" above compartment floor 		

		<u>Meets Specifications</u>	<u>Exceptions</u> (Explain on General Spec Bid Sheet)
2.c	<p><u>Features:</u></p> <ul style="list-style-type: none"> - 6" expanded metal rail on front and sides of transverse. 4" expanded metal rail on rear of transverse. To include rear vertical compartment - Vertical doors equipped with gas cylinders - 16 gauge A40 front body materials, 12 gauge compartment top and rear body panels - Cross members to be constructed of 6" x ¼" aluminum flats - Factory standard door hinges for aluminum doors - Automotive rotary type door latches - Locks to be keyed to LL-71 - Chain stop on horizontal doors - Automotive bulb type weather stripping - Double panel body doors - Master door lock - Vista strip lighting in all body compartments with master switch in cab - Lighted license plate bracket 		
3.	<p><u>Stake pockets on 24" centers</u></p> <ul style="list-style-type: none"> - With rub rail 		
4.	<p><u>Recessed 7-Lamp LED Light Bar at Rear:</u></p> <ul style="list-style-type: none"> - Rear bar includes four (4) 4" light holes (two on each side), four (4) clearance light holes (two on each side) and three (3) lamp light cluster holes in center, - Two (2) low profile strobe lights in rear tail shelf, one each side of unit. 		
5.	<p><u>LED Chassis OEM light:</u></p> <ul style="list-style-type: none"> - To be installed on rear of pedestal just below rotation and wired to 7-Lamp lights - Mounted on pedestal so as not to interfere with poles in pole hauler 		
6.	<p><u>Hydraulic Reservoir guard:</u></p> <ul style="list-style-type: none"> - Constructed of 1" square tubing with expanded metal and has three (3) "D" rings for tie down - The guard will be removable - Have two (2) evenly spaced hooks on top of guard so as to hang hand coils of guy wire or conductor 		
7.	<p><u>Two (2) hooks at the rear of the flatbed on kick rail:</u></p> <ul style="list-style-type: none"> - Approximately 48" apart to be utilized as tarp storage 		
8.	<p><u>Stainless steel grounding lug at rear frame area</u></p> <ul style="list-style-type: none"> - ½" diameter x 6" long Do not Paint 		
9.	<p><u>Four (4) fixed material hooks mounted:</u> Location TBD at personal pre-paint inspection</p>		

		<u>Meets Specifications</u>	<u>Exceptions</u> (Explain on General Spec Bid Sheet)
10.	12" Drop Down Possum belly door <ul style="list-style-type: none"> - Last 14" of possum belly will 6" oversized for spoon and banjo storage - Street side stringer to be blocked at 10'.5" - Center portion to be full length - Curbside stringer to be blocked at 8'5" 		
11.	Through box at end of Flatbed: <ul style="list-style-type: none"> - 12" x 12" with hinged doors on each end and paddle handle latches - The possum belly access door will be installed on the back of this through box 		
12.	Two section Grip strut Bumper: <ul style="list-style-type: none"> - 10" wide and angled at 45 degrees on each side of the pintle hook - Hinged with keepers to hold them in the upright position 		
13.	Two (2) Pool type pipe grab rail: <ul style="list-style-type: none"> - One each for curbside and street side rear of flatbed 		

WINCH

1.	Braden PCD24B Hydraulic Capstan Drive: <ul style="list-style-type: none"> - 4,000 lb. maximum pulling force - Spring applied hydraulically released parking brake - Control valve to be added to outrigger control valves - Installed under rear curbside flatbed 		
2.	Collapsible Take-up Reel: <ul style="list-style-type: none"> - 4,000 lb. rating - 20" diameter, 28" overall - Bayonet style socket fits two 2 7/16" shaft - To be stored on boom rest A-frame under boom. 		

INSTALLATION & ACCESSORIES

1.	Install Derrick over Rear Axle and Install all Associated Components: <ul style="list-style-type: none"> - All components for radio remote control operation of digger unit. - Final test and inspect completed unit including stability and dielectric testing per manufacturers requirements and ANSI/ASSE A10.31-2006 		
2.	Hose and fittings to connect the hydraulic system from the oil reservoir to the pump and unit		
3.	Hot shift power take-off with indicator light		

		Meets Specifications	Exceptions (Explain on General Spec Bid Sheet)
4.	Fill with Hydraulic oil for general purpose use - Refer to the product maintenance manual for specific type to be used		
5.	Hannay spring loaded hydraulic hose reel with 4-way roller assembly with 50 ft. ½" ID dual hose set - Parker HTMA male and female flush faced couplers and dust covers - Installed on hose reel with ball stop - Mount street side on pedestal just below turn table with four way roller in low position, to pay out to rear of unit		
6.	One (1) ½" diameter hose chuck - Installed on chassis air tank		
7.	Pole Puller: - Rated capacity is 60,000 lbs. - Base plate dimension is 8" x 12"		
8.	Pole Puller Storage Bracket: - Mount on curb side outrigger		
9.	<u>Rechargeable Battery operated Radio Remote Control for digger unit;</u> - To include Two (2) spare batteries		
9.a	Anchor Installation assist feature		
10.	Four (4) Amber Strobe Lights - with 4" tall and 6" diameter lens and mounting bracket - One on each side of the boom rest so as not to interfere with pole hauler. - Two(2) low profile in rear tail shelf - All strobes to be controlled by one switch in cab		
11.	Two branch guards for 4" strobes		
12.	One (1) 50 Watt Halogen 6" Floodlight with square mounting bracket - Mounted on rear of pedestal - Switch located near start stop switch and throttle switch		
13.	Five (5) Gallon water jug holder mounted on street side outrigger above 40" height		
14.	Drop down style traffic cone holder on front bumper, curbside capable of holding six (6) 28" traffic cones		

**Meets
Specifications**

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

15.	Two(2) Go-light (or equivalent) spotlights <ul style="list-style-type: none"> - Remote controlled and wired controlled - One (1) Shoe mounted on top of hood in center with water proof power point near shoe - One (1) Shoe mounted on driver side arm of boom rest near strobe with water proof power point near shoe - Two (2) wired controls to be mounted in dash/console 		
16.	LED 7-Lamp DOT Lighting Package <ul style="list-style-type: none"> - Must comply with FMVSS 108 - Include required lights, junction box and wiring harness 		
17.	Seven Pin RV style trailer socket		
18.	Hour meter for power take-off engagement time		
19.	Push button throttle control <ul style="list-style-type: none"> - Installed at rear with start stop switch and pedestal light switch 		
20.	Push button start/stop <ul style="list-style-type: none"> - Installed at rear with start throttle switch and pedestal light switch. 		
21.	Back-up Alarm to Sound when the vehicle is shifted into reverse		
22.	120 Volt outlet with GFI (3) <ul style="list-style-type: none"> - Mounted on bins outside of first vertical bins and one mounted rear curb side under tail shelf 		
23.	Dimensions 1800N inverter <ul style="list-style-type: none"> - 1800W continuous 4000W peak, 120VAC, 15A. - Mount front of street side 1st vertical 		
24.	DOT Inspection		
25.	Set Chassis parameters as required		
26.	Rigid type perf-grip stirrup step <ul style="list-style-type: none"> - Located below side access step 		
27.	Access steps mounted on command post Stowable ladder style		
28.	Removable RIGID FL-60 – 6” Bench Vise <ul style="list-style-type: none"> - 		
29.	Vise bracket that mounts horizontal in a receiver <ul style="list-style-type: none"> - Mount receiver curbside rear 		
30.	CR reel storage bracket <ul style="list-style-type: none"> - Mount on rear of boom rest A Frame below boom 		

		<u>Meets Specifications</u>	<u>Exceptions</u> (Explain on General Spec Bid Sheet)
31.	Four (4) Sauber 24" x 24" aluminum outrigger pads		
32.	Four (4) Outrigger pad storage brackets for Sauber pads - mount under 2 nd vertical compartment side by side - Two (2) per side		
33.	Truck Grounding Reel(spring retractable) Hastings #21364 or equivalent; - To include 40' of 1/0 yellow grounding cable - To be mounted street side rear, under flatbed to pay out to rear of unit		
34.	Rubber wheel chocks - Two (2) sets with rope between chocks		
35.	Two (2) Wheel Chock Brackets: - Shipped loose		
36.	BP100A 15 ton pintle hook: - Safety chain eyes - Chassis frame reinforcements - 25" +/- 1"		
37.	Heavy Duty Boom rest for Digger Derrick - Heavy duty square tubing across(cab width to support pole hauler, and strobes) -		
38.	Exhaust shield to protect from hydraulic system		
39.	Two (2) Level Indicators, +/- 5 degrees		
40.	One (1) 22" Steel Auger with 7 ft. stem and 5 ft. of flighting with case hardened teeth and Carbide boring head -		
40a.	One (1) 16" Steel Auger with 7 ft. stem and 5 ft. of flighting with case hardened teeth and Carbide boring head 16" auger shipped loose		
41.	1 1/8" x 125 ft. Samson, 2 in 1 Stable Braid Rope - Eyes on both ends		
42.	Crosby 8.,5 ton downhaul and swivel hook		
43.	Safety Kit consists of the following: - One (1) 10 lb. *ABC fire extinguisher with bracket		
44.	Complete Electrical Wiring and Hydraulic Plumbing "AS BUILT" schematic drawings - Two (2) Sets paper manuals		
45.	Paint Digger Derrick, transverse box, white - Note – Paint undercarriage and flatbed black - All inside compartments to be painted white		

		<u>Meets Specifications</u>	<u>Exceptions</u> (Explain on General Spec Bid Sheet)
46.	Paint body floor and compartment tops with non-skid paint - black		
47.	Undercoat body Rhino line inside wheel wells, body floor and compartment tops		
48.	Digital Pre-paint Inspection and personal inspection required		

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: One 2012 Truck with Digger Derrick Unit	\$ _____
Less Trade In: 1998 International Model 4900 4 x 2 Truck VIN #1HTSDAAR2XH603272. This truck also has a Terex-Telect model Commander 4045 digger derrick and a 120-180 line body mounted on it.	(\$ _____)
 TOTAL COST	 \$ _____

* The City of Grand Island does not pay Federal excise tax. The applicable state sales tax will be paid by the City 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.