



Specifications for
2010 Truck
with Digger Derrick Unit
(Unit #73)

Line Division
Utilities Department



ADVERTISEMENT FOR BIDS
FOR A

2010 Truck with Digger Derrick Unit (Unit #73)
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 2:15 p.m., (Local Time), Tuesday, March 23, 2010,** for furnishing a 2010 Truck with Digger Derrick Unit, FOB Grand Island, NE. 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.**

Bidders shall submit with their bid a certified check, cashiers check or bid bond payable to the City Treasurer in an amount not less than five percent (5%) of the bid price which shall guarantee good faith on the part of the bidder and the entering into a contract within 14 day, at the bid price, if accepted by the City. ***Your certified check, cashiers check or bid bond must be submitted in a separate envelope attached to the outside of the envelope containing the bid. Each envelope must be clearly marked indicating its contents. Failure to submit the necessary qualifying information in clearly marked and separate envelopes will result in your bid not being opened or considered. Bid bonds must be issued by surety companies authorized to do business in 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
2010 Truck with Digger Derrick Unit
(Unit #73)

Bids must be received by the City Clerk before **2:15 p.m. (local time)**, on **Tuesday, March 23, 2010.**

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 certified check, cashiers check or bid bond in a separate envelope attached to the outside of the envelope containing the bid. Each envelope must be clearly marked indicating its contents.
- 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

GENERAL SPECIFICATIONS AND BID SHEET
FOR
ONE (1) 2010 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 **2:15 p.m., (Local Time) on Tuesday, March 23, 2010**, for furnishing one **(1) 2010 Truck – Complete with Digger Derrick Unit** specified in these bidding documents, FOB Grand Island, NE.

The City offers in trade: 1998 International Model 4900 6 x 4 Truck VIN #1HTSHAARXWHS18795. This truck also has a Terex-Telelect model Commander 5050 digger derrick and a 138-180 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.

Bid Bond

Each bidder shall submit with their bid a certified check, cashiers check or bid bond payable to the City Treasurer in an amount not less than five percent (5%) of the bid price which shall guarantee good faith on the part of the bidder and the entering into a contract within 14 days, at the bid price, if accepted by the City. **Your certified check, cashiers check or bid bond must be submitted in a separate envelope attached to the outside of the envelope containing the bid.** Each envelope must be clearly marked indicating its contents. Failure to submit the

necessary qualifying information in clearly marked and separate envelopes will result in your bid not being opened or considered. Bid bonds must be issued by surety companies authorized to do business in the State of Nebraska.

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) 2010 Truck with Digger Derrick Unit

The City offers in trade: 1998 International Model 4900 6 x 4 Truck VIN #1HTSHAARXWHS18795. This truck also has a Terex-Telelect model Commander 5050 digger derrick and a 138-180 line body mounted on it.

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 **2:15 p.m. (Local Time), on Tuesday, March 23, 2010,** 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 Ray Micek, Elec. Distribution Superintendent, 308-385-5472.

**VEHICLE SPECIFICATIONS
FOR
2010 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 5:00 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 –
2010 TRUCK WITH DIGGER DERRICK UNIT

Meets
Specifications

Exceptions
 (Explain on General
 Spec Bid Sheet)

CAB CHASSIS			
1.	<u>Basic Information:</u> Cab/chassis – 2010 model year GVWR 56,000 213" wheelbase, 138" CA, 100" AF		
2.	<u>Engine:</u> Diesel – 300 HP, 860 lb.-ft. torque @ 1400 rpm Minimum 7.2 L Block Heater 120 Volt/1250 Watt Cruise Control Anti-freeze to be -40 degrees Electronic throttle control <ul style="list-style-type: none"> - Wiring to rear of truck by truck manufacturer for two speed throttle - Back-up alarm when truck is in reverse 		
3.	<u>Transmission:</u> Shall be Allison #MD3500 RDS close ration, 6 speed w/overdrive Auto transmission oil cooler Push button shift control		
4.	<u>Rear Axle</u> Single reduction 40,000 lb. rear axle Driver controlled locking differential in both rear axles To be geared to maximum speed for 75 mph		
5.	<u>Rear Suspension</u> Hendrickson RT-403 40,000 lb. capacity		
6.	<u>Front Axle</u> 16,000 lb. front axle capacity		
7.	<u>Front Suspension</u> 16,000 lb. capacity multi-leaf shackle type Front shock absorbers Front auxiliary springs		
8.	<u>Frame:</u> Frame rails to be 120,000 psi Full "C" reinforcement 3,500,000 RBM Two (2) front tow hooks		

		Meets Specifications	Exceptions (Explain on General Spec Bid Sheet)
9.	<u>Front Bumper:</u> Full width heavy duty type with opening for, and two frame mounted tow hooks Bumper ends angles back to the truck		
10.	<u>Brakes:</u> 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 Female plug in type (*Midlands #AM23602) shall be recessed Mounted		
11.	<u>Dual Power Steering Gear</u>		
12.	<u>Tilt Wheel:</u> Power Steering		
13.	<u>Exhaust System:</u> Horizontal mounted muffler and tail pipe to be mounted for clearance of mounting PTO hydraulic pump		
14.	<u>Hood:</u> Tilting, fiberglass hood Chrome Grille Winterfront with snap-on grill cover		
15.	<u>Electrical System:</u> 12 volt Alternator 160 amp. Battery system – Three (3) maintenance free batteries 2775 CCA Provisions for exterior jump start Circuit Breakers Back-up Alarm		
16.	<u>Multiplex System</u>		
17.	<u>Radio:</u> AM/FM with weather band and clock Minimum of two speakers		
18.	<u>Two-way Radio effects</u>		
19.	<u>Air Horns</u>		
20.	<u>Self canceling turn signals</u>		

		Meets Specifications	Exceptions (Explain on General Spec Bid Sheet)
21.	<p>Gauges and Controls: Ignition switch controlled engine stop Factory multiplex system in dash and overhead console</p> <p><u>Overhead Console:</u> Multi-plex wired Switches installed as needed</p> <p><u>Dash/Console Mounted direct reading gauges:</u> 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>		
22.	<u>Air Conditioning</u>		
23.	<u>Heat and Defrost</u>		
24.	<u>Windshield Wipers</u>		
25.	<p><u>Exterior West Coast Mirrors:</u> With 2nd mirror below being convex -- break-away style</p>		
26.	<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>		
27.	<u>Tinted Windows</u>		
28.	<u>Wing windows in doors or rear window</u>		
29.	<u>Two (2) exterior grab handles</u>		
30.	<u>50 gallon fuel tank</u>		
31.	<p><u>Colors</u> Interior -- Factory gray Exterior -- Standard red with base coat Clear coat finish</p>		
32.	<p><u>Undercoating</u> Complete unit to be undercoated to military specs</p>		
33.	<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)
34.	<u>Wheels:</u> Budd type Hub piloted Polished aluminum front and rear		
35.	<u>Mud Flaps:</u> Heavy duty anti-sail behind front wheels and back and front of rear wheels		
36.	<u>Tires:</u> Front tires – 315/80R22.5 18 ply Rear tires – 11R22.5 mud and snow 16 ply <u>Tread:</u> Off road traction Extra custom grip mud and snow Self cleaning lugs Non-directional One matching spare front wheel and tire mounted and balanced (shipped loose)		
37.	<u>Spare wheel and tire:</u> To match the front wheel and tire		
38.	<u>Tire Chains:</u> 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) one set for both axles		
39.	<u>Chassis Manuals</u> - One (1) Set		
40.	<u>Warranty</u>		
41.	<u>Hydraulic jack:</u> Minimum of 20 ton – complete with handle and heavy duty budd wheel nut lug wrench		
42.	<u>Interior:</u> 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 Two (2) 12 volt auxiliary power ports in cab area Two (2) cup holders RH and LH Two (2) air adjustable vinyl seats Vinyl floor matting and insulation Custom, removable floor mats – made for particular cab		

		Meets Specifications	Exceptions (Explain on General Spec Bid Sheet)
43.	<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 Mounted under the cab or on the battery box 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 		
44.	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 50 ft. sheave height model hydraulic rotating digger derrick with a turntable winch		
2.	Design Criteria: <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.	Elevation: From +80 degrees above horizontal to -20 degrees below horizontal		
4.	Pedestal & Turntable: Square 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		
5.	Dual Lift Cylinders: Double acting cylinders with chrome plated rods, integral holding valves and self aligning swivel bushings. Either cylinder shall be capable of holding the rated lifting capacity of the derrick		
6.	Steel Lower Boom: The boom is to be a fabricated box utilizing high strength steel plates		
7.	Steel Intermediate Boom: 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		

**Meets
Specifications**

Exceptions
(Explain on General
Spec Bid Sheet)

8.	<p>Filament Wound Fiberglass Hydraulic Upper Boom:</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 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 non-metallic rollers to reduce tracking 		
9.	<p>Boom Interlock: To operate the booms all outriggers must be extended</p>		
10.	<p>Continuous & Unrestricted Rotation: 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>Hydraulic System:</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 hose fittings 		
12.	<p>Miscellaneous:</p> <ul style="list-style-type: none"> - A custom load chart stating actual lifting capacity considering all final options, chassis, body, outriggers, and other fixed equipment with capacity based on completed unit stability is to be included - A boom-angle indicator and decal shall be mounted on each side of the lower boom - The entire unit is to be painted with rust inhibiting primer - Two complete manuals providing operational and maintenance procedures, and a replacement parts listing shall be provided - Warning decals shall be provided with unit - Clevis for two part line attachment shall be provided 		

**Meets
Specifications**

Exceptions
(Explain on General
Spec Bid Sheet)

13.	<p><u>Turntable Winch Including Transferable Pole Buddy Assembly:</u></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><u>Minimum Boom Lift Capacities:</u></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Boom Angle:</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;">29,800</td> <td style="text-align: center;">22,500</td> <td style="text-align: center;">16,730</td> </tr> <tr> <td>10 ft. Radius</td> <td style="text-align: center;">13,750</td> <td style="text-align: center;">12,100</td> <td style="text-align: center;">11,480</td> </tr> <tr> <td>45 degree boom angle</td> <td style="text-align: center;">10,040</td> <td style="text-align: center;">5,750</td> <td style="text-align: center;">3,950</td> </tr> <tr> <td>0 degree boom angle</td> <td style="text-align: center;">5,810</td> <td style="text-align: center;">3,090</td> <td style="text-align: center;">1,950</td> </tr> </tbody> </table> <p>NOTE: Lifting capacities shall include all requested options</p>	Boom Angle:	All Booms Retracted	Intermediate Boom Extended	Intermediate & Upper Boom Extended	Maximum Elevation	29,800	22,500	16,730	10 ft. Radius	13,750	12,100	11,480	45 degree boom angle	10,040	5,750	3,950	0 degree boom angle	5,810	3,090	1,950		
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15.	<p><u>Sheave Heights:</u></p> <ul style="list-style-type: none"> - With intermediate boom extended, 40.7 ft. at maximum elevation - With upper boom extended, 50.5 ft. at maximum elevation - Dimensions are based on a 40" chassis frame height 																						
16.	<p><u>Load Radius:</u></p> <ul style="list-style-type: none"> - 31.1 ft. from C/L of rotation, at 0 degree, intermediate boom extended - 41.1 ft. from C/L of rotation, at 0 degree, upper boom extended 																						
17.	<p><u>Digging Radius:</u> 18.1 ft. to 28.1 ft., at 0 degree</p>																						
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 - Command post access step and hand rail installed 																						
19.	<p><u>Full pressure, full flow, stacked valve assembly hydraulic system controls:</u></p> <ul style="list-style-type: none"> - Indicate how long your company has been utilizing this type of control for the quoted model 																						

		<u>Meets Specifications</u>	<u>Exceptions</u> (Explain on General Spec Bid Sheet)
20.	<p><u>Stop/start at command post</u></p> <ul style="list-style-type: none"> - Neutral safety switch 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 a command post</u></p>		
22.	<p><u>Operator light at controls 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 		
25.	<p><u>Two (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></p> <p>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>		

**Meets
Specifications**

Exceptions
(Explain on General
Spec Bid Sheet)

		Meets Specifications	Exceptions (Explain on General Spec Bid Sheet)
28.	<u>Adjustable flow divider for tamp and pole puller</u>		
29.	<u>Single Speed Hydraulic System:</u> - Provides constant digger/winch flow with boom operation		
30.	<u>Electric collector ring 6-conductor</u>		
31.	<u>Full length subframe for 138" CT chassis</u> - The subframe shall be constructed of 6" x 6" square tube rails with 3/8" top and bottom plates		
32.	<u>Tie down Kit</u> - Tie down bolts must be in shear. No welding to chassis frame rails		
33.	<u>Two (2) sets of Extra Heavy Duty A-frame Outriggers:</u> - Hydraulic double acting outriggers including integral holding valves - 146.7" spread pin to pin and 157.5" to outside of pads at 9.6" penetration and 40 " frame height - 13" x 12" swivel type stabilizer pads with the inside and outside of the pad angled at 45 degrees - The outrigger extension legs will be coated with graphite for ease of movement and do not require grease		
34.	<u>Controls for 2 set of Outriggers and Auxiliary Tool Outlets below Rotation:</u> - Recessed at rear of truck each side for ease of view for outrigger placement - Includes switches and alarm for outrigger in motion alarm		
35.	<u>Pump for use with Approximate 149% PTO:</u> - 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.	<u>Stanley Model TA5403 Hydraulic Tamp with 3 ft. handle without valve</u> - 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)

UTILITY BODY			
1.	<p><u>Flatbed, 10 ft. heavy duty with 12 gauge tread plate deck</u></p> <ul style="list-style-type: none"> - with 4" expanded metal kick rail 		
2.	<p><u>Transverse Saddle compartment:</u></p> <ul style="list-style-type: none"> - 72" wide x 48" high x 94" across with 18" deep compartments 		
a.	<p><u>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 grab handles. Steps to be hinged to access storage compartment below steps 		
b.	<p><u>Compartmentation – Streetside:</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 the latches. Through shelf over the top of the drawers and two (2) adjustable shelves below drawers - 2nd Vertical – 24" W x 18" D with eight (8) 3" D x 18" L on ball bearing slides with dividers on 2" centers. Each drawer to have One (1) latch. One (1) shelf above drawers. - 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)
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 1/4" steel flats - Stainless steel rod and brass socket door hinges - 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> With rub rail</p>		
4.	<p><u>Recessed 7-Lamp Light Bar at Rear:</u> 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</p>		
5.	<p><u>Chassis OEM light:</u> To be installed on each side of pedestal just below rotation and wired to 7-Lamp lights</p>		
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 		
7.	<p><u>Four (4) Buyers Products D-ring tie downs:</u></p> <ul style="list-style-type: none"> - Rated for 2,000 lb. safe working, recessed, 360 degree swivel - Two (2) per side of flatbed evenly spaced 		
8.	<p><u>Two (2) hooks at the rear of the flatbed on kick rail:</u> Approximately 48" apart to be utilized as tamper storage</p>		
9.	<p><u>Four (4) shovel tubes 2" diameter x 2 ft. long:</u></p> <ul style="list-style-type: none"> - Installed on the streetside of pedestal at a 30 degree angle - Higher at the rear 		
10.	<p><u>Four (4) fixed material hooks mounted around pedestal:</u> Location TBD</p>		

		<u>Meets Specifications</u>	<u>Exceptions</u> (Explain on General Spec Bid Sheet)
11.	<u>Possum belly door</u> <ul style="list-style-type: none"> - Last 12" of possum belly will 3" oversized for spoon and banjo storage - Stringers and center portion will be blocked at 8.5' 		
12.	<u>Through box at end of Flatbed:</u> <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 		
13.	<u>Two section Gripstrut Bumper:</u> <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 		
14.	<u>Four (4) Pool type pipe grab rail:</u> for 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 		

INSTALLATION & ACCESSORIES

1.	Install Derrick over Rear Axle and Install all Associated Components: <ul style="list-style-type: none"> - 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.	Hotshift power take-off with indicator light		
4.	Fill with Hydraulic oil for general purpose use <ul style="list-style-type: none"> - Refer to the product maintenance manual for specific type to be used 		

**Meets
Specifications**

Exceptions
(Explain on General
Spec Bid Sheet)

		Meets Specifications	Exceptions (Explain on General Spec Bid Sheet)
5.	Hannay spring loaded hydraulic hose reel with 4-way roller assembly with 50 ft. ½" ID dual hose set <ul style="list-style-type: none"> - Parker HTMA male and female flush faced couplers and dust covers - Installed on hose reel with ball stop - Mount under command post 		
6.	One (1) ½" diameter hose chuck <ul style="list-style-type: none"> - Installed on chassis air tank 		
7.	Pole Puller: <ul style="list-style-type: none"> - Rated capacity is 60,000 lbs. - Base plate dimension is 8" x 12" 		
8.	Pole Puller Storage Bracket: <ul style="list-style-type: none"> - Mount front curbside outrigger 		
9.	Stainless steel grounding lug at rear frame area <ul style="list-style-type: none"> - ½" diameter x 6" long - Do not Paint 		
10.	Three (3) Amber Strobe Lights <ul style="list-style-type: none"> - with 4" tall and 6" diameter lens and mounting bracket - One on each side of the boom rest and one on the back of the pedestal 		
11.	Three (3) branch guards for 4" strobe		
12.	One (1) 50 Watt Halogen 6" Floodlight with square mounting bracket <ul style="list-style-type: none"> - Mount front and rear of pedestal 		
13.	One (1) 4" work light <ul style="list-style-type: none"> - Flood recessed into rear tailshelf 		
14.	Two (2) 6" cab door post mounted halogen spotlights <ul style="list-style-type: none"> - Driver and passenger side 		
15.	Two (2) Spartan 475-20 surface mounted spotlights <ul style="list-style-type: none"> - Remotely controlled by an electric switch in the cab - Mount each side of the boom rest 		
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.	Six prong 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 		

		<u>Meets Specifications</u>	<u>Exceptions</u> (Explain on General Spec Bid Sheet)
20.	Push button start/stop - Installed at rear		
21.	Back-up Alarm to Sound when the vehicle is shifted into reverse		
22.	110 Volt outlet with GFI - Mount one each side in the front and one in the rear curbside		
23.	Dimensions 1800N inverter - 1800W continuous 4000W peak, 120VAC, 15A. - Mount front streetside outrigger in vented box with battery box style rubber ratchet		
24.	DOT Inspection		
25.	Set Chassis parameters		
26.	Rigid type perf-grip stirrup step - Located below side access step		
27.	Access steps mounted on command post - Pull up style		
28.	Removable Wilton #676 – 6" Vise - Mount curbside rear		
29.	Vise bracket that mounts horizontal in a socket		
30.	CR reel storage bracket - Mount on front of pedestal		
31.	Four (4) Sauber 24" x 24" aluminum outrigger pads		
32.	Four (4) Outrigger pad storage brackets for Sauber pads - Mount under transverse, two (2) per side		
33.	Four (4) additional outrigger pad storage brackets for City provided 24" x 24" x 2 1/2" wood pads - Mount under transverse, two (2) per side		
34.	Rubber wheel chocks - Two (2) sets with rope between chocks		
35.	Two (2) Wheel Chock Brackets, single for mounting front of transverse - One (1) per side		

		<u>Meets Specifications</u>	<u>Exceptions</u> (Explain on General Spec Bid Sheet)
36.	BP100A 15 ton pintle hook: <ul style="list-style-type: none"> - Safety chain eyes - Chassis frame reinforcements - 25" +/- 1" 		
37.	Boom rest for Digger Derrick		
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		
41.	1 1/8" x 125 ft. Samson, 2 in 1 Stable Braid Rope <ul style="list-style-type: none"> - Eyes on both ends 		
42.	Crosby 8.,5 ton downhaul and swivel hook		
43.	Safety Kit consists of the following: <ul style="list-style-type: none"> - One (1) 10 lb. *ABC fire extinguisher with bracket - *James King triangle reflector kit 		
44.	Complete Electrical Wiring and Hydraulic Plumbing "AS BUILT" schematic drawings <ul style="list-style-type: none"> - Two (2) Sets 		
45.	Paint Digger Derrick, transverse box, and flatbed white <ul style="list-style-type: none"> - Note -- Paint undercarriage black - All inside compartments to be painted white 		
46.	Paint body floor and compartment tops with non-skid paint		
47.	Undercoat body <ul style="list-style-type: none"> - Rhino line inside wheel wells, body floor and compartment tops 		
48.	Digital Pre-paint Inspection		

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 2010 Truck with Digger Derrick Unit	\$ _____
Less Trade In: 1998 International Model 4900 6 x 4 Truck VIN #1HTSHAARXWHS18795. This truck also has a Terex-Telect model Commander 5050 digger derrick and a 138-180 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.