

ADVERTISEMENT TO BIDDERS
for
ONE (1) TRUCK MOUNTED ROOT FOAMING CONTROL MACHINE
for
GRAND ISLAND WASTE WATER TREATMENT PLANT
CITY OF GRAND ISLAND, NEBRASKA

Sealed bids will be received at the office of the **City Clerk, 100 E. First Street, Grand Island, NE 68801** or **P.O. Box 1968, Grand Island, Nebraska 68802** until **2:00 p.m., (Local Time) Thursday, September 16, 2010** for furnishing **Truck Mounted Root Foaming Control Machine, FOB** the City of Grand Island, Bids will be publicly opened at this time in Conference Room #1 located on the 1st floor of City Hall. Bids received after specified time will be returned unopened to the sender.

Bids shall be submitted on forms, which will be furnished by the City. **Please return one original and one copy of each bid sheet, checklist and letter.**

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.

Bids will be evaluated based on conformity to specifications, price, ability of system to be installed on the city's current sewer flushing truck, ability to use the city's current root foaming chemical, availability of parts and service and maintenance, adaptability of the particular equipment for the specific use intended.

The City reserves the right to reject any or all bids and waive irregularities therein and to accept whichever bid or part of bid that may be in the best interest of the City, at its sole discretion.

The City reserves the right to accept or reject any and all deductive alternative in the best interest of the city.

No bidder may withdraw their bid for a period of forty-five (45) days after date of opening bids.

Specifications for use in preparing bids may be obtained from Fred Tustin 308-385-5430.

SECTION 504/ADA NOTICE TO THE PUBLIC: The City of Grand Island does not discriminate on the basis of disability in admission of its programs, services, or activities, in access to them, in treatment of individuals with disabilities, or in any aspect of their operations. The City of Grand Island also does not discriminate on the basis of disability in its hiring or employment practices.

This notice is provided as required by Title II of the Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973. Questions, complaints, or requests for additional information or accommodation regarding the ADA and Section 504 may be forwarded to the designated ADA and Section 504 compliance coordinator.

RaNae Edwards
City Clerk



ONE (1) TRUCK MOUNTED ROOT FOAMING CONTROL MACHINE

**Wastewater Division of
City of Grand Island**

**CITY OF GRAND ISLAND
PUBLIC WORKS DEPARTMENT**

SEPTEMBER 2010

City of Grand Island
WWTP
3013 E. Swift Road
Grand Island, NE 68801

September 1, 2010

Enclosed is the information for a Truck Mounted Foaming Root Control Machine for the City of Grand Island.

If you have any questions regarding this, please call 308-385-5430 and ask for Fred Tustin.

**GENERAL SPECIFICATIONS
FOR
Truck Mounted Foaming Root Control Machine**

CITY OF GRAND ISLAND

Sealed bids will received at the office of the City Clerk, 100 East First Street, P.O. Box 1968, Grand Island, Nebraska until **2:00 p.m., (Local Time), Thursday September 16, 2010**, for furnishing a **Truck Mounted Foaming Root Control Machine** as specified in these bidding documents, FOB Grand Island, Nebraska.

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. 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: Truck Mounted Foaming Root Control Machine

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

Manuals	Supply manuals as required in minimum specifications.
Warranty	See minimum specifications for warranty requirements. Bidder should include warranty details with their bid; failure to comply may be cause for rejection of bid.
Description 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 chemical 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.
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, installed, tested, and training, provided at the City of Grand Island, Nebraska.

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

Payment Prior to approving the invoice for payment, the City reserves the right to thoroughly inspect equipment to confirm compliance with specifications. Any which does not meet the City's requirements will be returned at vendor's expense for correction. Title, manufacturer's use tax form, manuals must be received prior to approval of invoice. The invoice will be paid at the next regularly scheduled Council meeting occurring after the approval of the 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. The furnished equipment must be new, the latest make or model, unless otherwise specified. The City of Grand Island Public Works Wastewater Division is tax exempt.

Fair Employment Practices Each bidder agrees that they 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 certified 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 specification made in any other manner will not be binding on the City; and bidders shall not rely upon such interpretations or changes. Following is the Purchasing Agent's name, address and telephone number: Jason Eley Assistant City Attorney, P.O. Box 1968, Grand Island, Nebraska 68802, (308) 385-5444, Extension 130.

Demonstration/Samples

If requested, the bidders shall, at bidder's expense, demonstrate and/or furnish samples of the exact items(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 sixty (60) days after bid 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 conformity to specifications, price, ability of system to be installed on the city's current sewer flushing truck, ability to use the city's current root foaming chemical, availability of parts and service for repair and maintenance, adaptability of the particular equipment for the specific use intended.

Trade-in Existing Equipment

The city reserves the right to reject any and all deductive alternatives in the best interest of the city.

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 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 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 the 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 subcontractor order.

Budget years The City of Grand Island, Nebraska operates on a fiscal year beginning October 1st and ending on the following September 30th. It is understood and agreed that any portion of this agreement which will be performed in a future fiscal year is contingent upon the City Council adopting budget statements and appropriations sufficient to fund such performance.

LB 403 Every public contractor and their subcontractors who are awarded a contract by the City for the physical performance of services within the State of Nebraska register with and use federal immigration verification system to determine the work eligibility status of new employees physically performing services within the state of Nebraska.

Title VI TITLE VI: The City of Grand Island, in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office the Secretary, Part 21, Nondiscrimination in Federally assisted programs of the Department of Transportation issued pursuant to such Act, hereby notified all bidden that it will affirmatively insure that in any contact entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the

grounds of race, color, or national origin, sex, age and disability/handicap in consideration for an award.

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This notice is provided as required by Title II of the Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973. Questions, complaints, or requests for additional information or accommodation regarding the ADA and Section 504 may be forwarded to the designated ADA and Section 504 compliance coordinator.

**CITY OF GRAND ISLAND
BID REQUEST INSTRUCTION**

The City of Grand Island, Nebraska, Public Works Department, Wastewater Division, respectively requests sealed bids for the following:

(1) TRUCK MOUNTED FOAMING ROOT CONTROL MACHINE

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

Advertisement to Bidders
General Specifications
Bid Request Instructions
Minimum Bid Specifications
Bid Form

Sealed bids must be received by **2:00 p.m., (Local Time), Thursday September 16, 2010**, and be addressed to:

City Clerk
City of Grand Island
Re: Bid – Truck Mounted Foaming Root Control Machine
100 East First Street
P.O. Box 1968
Grand Island, NE 68802-1968

Bids must include the following:

Bid – Attached
Completed Specifications and Bid Sheets – Attached

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 Fred Tustin at (308) 385-5430 or Fax (308) 385-5443.

MINIMUM BID SPECIFICATIONS

ONE (1) TRUCK MOUNTED FOAMING ROOT CONTROL MACHINE

The unit described shall be a new, 2010, current year manufacture, One (1) Truck Mounted Foaming Root Control Machine, that is the manufacturer's latest design and production, complete, serviced, and ready to be installed by supplier on existing City fleet sewer cleaning flusher truck. The unit must be no larger than 24inches (H) x 48 inches (L) x 18inches (D), to accommodate mounting in the back compartment of the City's current sewer flushing truck.

The equipment must be compatible to work with the Foaming chemical that the city currently uses. The current foaming machine is a Skid Mount Vaprooter Rootfoamer and Vaprooter Foaming Chemical. The City will consider any equipment that meets or exceeds required minimum specifications as stated herein or any approved equal equipment. The City of Grand Island reserves the right to reject any or all bids and waive any technicalities.

Note: Unit must be a new current factory production model.

1. GENERAL

- 1) The purpose of this document is to specify equipment installed on existing City fleet sewer cleaning flusher truck used exclusive to administer a product to control tree roots in sanitary sewers. Equipment that is meant to be pulled behind a vehicle put on a trailer or other methods will not be considered.
- 2) The root foaming machine (hereafter referred to as "system") is designed to be used to generate foam from a solution of water, metam sodium, dichlobenil and foaming agents. The foam is used to fill sewer pipes and eliminate roots in sewer systems. The foam produced must consist of very fine bubbles that can carry a sufficient quantity of herbicide to kill tree roots without harming the tree growth above ground. The foam produced shall expand one (1) gallon of solution (herbicide and foaming agent) to twenty (20) gallons of foam. The system pumps shall foam to a hydro-jetter via a cross-over connection where it is then applied in sewer pipes through a one (1) inch sewer cleaning hose. Supplied with the system is a two (2) stage nozzle that allows the hydro-jetter to propel the 1-inch hose through sewer lines with water pressure, then with water pump turned off, the nozzle allows foam to pass directly through unrestricted.

2. TECHNICAL SPECIFICATIONS FOR A ROOT FOAMING SYSTEM ARE AS FOLLOWS:

- 1) **Touch Screen Control Panel:** All controls shall be mounted at the operator's station for the ability of the operator to alternate between hydraulic cleaning and root foam application procedures. The control module must be operated by a touch screen human machine interface (HMI) controller. The control panel shall have automatic and manual settings color coded and labeled. The control panel shall control all operations of the system including foaming process, wash down, clean water system flushing water pump, dichlobenil agitation mixer, air purge process and at all times display operating pressure of the system.
- 2) **Foam Generator:** The system shall automatically mix and dispense the water, foaming agent, metam sodium, dichlobenil and inject air to produce dense foam with an expansion ratio of 20:1. The system shall use a two piece, chemical resistant connection system to connect a five gallon of foaming agent and metam sodium (30% metam sodium by weight). The system shall include an intergraded tank not less than twelve (12) gallons capacity with a 1 inch drain plug, dedicated to the blending and dispersing of Dichlobenil packaged in a 30 ounce water-soluble packet. The system shall include a variable speed water pump capable of producing no less than four and one-half (4 ½) gallons of water per minute. The system shall be controlled by a program logic controller designed to interface with the touch screen control panel and operate the integrated components of the system.
- 3) **Power Inverter:** The power inverter will be used to convert 12V DC current to 120V AC. The system shall include a continuous output power 2,000W, surge rating 4,000W, input voltage 12V. Output frequency adjustable 50/60Hz +/- 0.05%, efficiency (full load) 85% - 92%. No load current draw 2.8A. Output waveform sine wave <3% THD. Output voltage 115V RMS – 10%/+4%, input voltage 10.5-15 VDC, protection overload, short circuit, reverse polarity (fuse). Overall dimensions 16.6 inches x 8.2 inches x 6.3 inches, weight 21 lbs. Inverter shall be permanently installed by the supplier on the city's truck and fully tested.
- 4) **Wash Down Pump:** The system shall include an integrated wash down pump capable of producing a minimum of two (2) gallons of water per minute with plumbing to accommodate the connection of a water hose to be used for rinsing the outside of the sewer flushing hose as it is extracted from the manhole
- 5) **Foaming Nozzle:** The nozzle shall be specifically designed to both propel the sewer cleaning hose and apply foaming herbicide. The foaming nozzle provided with the system shall be constructed of 304 stainless steel. Nozzle shall consist of a plunger that positively closes an opening at the end of nozzle when hydro-jetting operation is engaged to propel the sewer hose

through the sewer pipe by forcing water through openings in the nozzle. The plunger shall be spring loaded and open under low pressure, allowing foam to pass through opening at the end of nozzle. Nozzle shall be supplied with skid cage to protect nozzle during hydro-jetting operations.

3. EQUIPMENT COMPATIBILITY

- 5.1 Bidders must warrant that the system bid herein is compatible for use with Vaporooter Rootfoamer Chemical, the current chemical root control used.

4. WARRANTY

- 6.1 The Bidder shall warranty the system as follows:

- The Bidder warranty's the system for two years from the date of delivery.
- Any system that is determined by the City to be defective in workmanship, within this 2 year period, will be returned to the Bidder at their expense, for a full refund.

5. EQUIPMENT

- 7.1 The system will have the following:

- The system shall have an area where a 5 gallon container of chemical Metam Sodium can be stored and used.
- The system will have an area where the Dichlobenil shall be mixed with a measured amount of water.
- The system shall have a standard 5/8 inch male garden water hose connection to facilitate filling the Dichlobenil tank with clean water.
- The system must be able to connect to the City's current sewer flushing trucks air system with 3/8 inch (NPT) National Pipe Thread. The current air supply pressure on the flusher truck is 120 psi.
- The system shall have a control box no larger than 6 inches (D) x 8 inches (L) x 10 inches (H) enclosed in a Nema 4 hinged fiberglass box to be mounted on the City's current sewer flushing truck.

- The components of the system exposed to chemical and/or weather must be manufactured using rust resistant and corrosion proof material.

6. CONDITIONS OF SALE

- 8.1 The Bidder shall provide turn-key installation services.
- 8.2 Installation services shall be conducted on site, 3013 East Swift Road, Grand Island Nebraska.
- 8.3 Installation services shall include operational training; up to three (3) operators to operate the system.
- 8.4 The product specified herein is for the use of the city, and is intended strictly for use by trained and licensed operators employed by the City for use on the City's sanitary sewer systems.

7. BASIS FOR AWARD

- 9.1 Proposals will be evaluated based on several factors, including:
 - Conformity to specifications
 - Price quoted by the Bidder
 - Ability of system to be installed on the city's current sewer flushing truck
 - Ability to use the city's current root foaming chemical
 - Availability of parts and service for repair and maintenance
 - Adaptability of the particular equipment for the specific use intended

8. SUBMITTAL

- 10.1 The following must be submitted with this bid:
 - Description of the system, factory printed literature
 - Manufacture's/supplier documentation of equipment references including owner contact information.
 - Manufacture/supplier two (2) references minimum, in equipment supplied

- Warranty of unit

10.2 Failure to include the above may, at the discretion of the city, be judged by the City as unresponsive, and potentially disqualify the bid.

9. TRADE-IN EQUIPMENT

2005 Vaporooter Skid-Mount RootFoamer

10 Hp electric start gas engine. 250 gallon polyethylene tank, control panel, engine throttle and choke switches. 200 working hours on unit. Weight of unit is approximately 550 lbs. Height is < 50", length 90" overall, width 44". Working condition is good. Will be available when new unit is installed and in operation.

BID SHEET

Vender information

Company

Address

Phone

Fax

**CITY OF GRAND ISLAND, NEBRASKA
BID FORM**

ONE (1) TRUCK MOUNTED FOAMING ROOT CONTROL MACHINE

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, Nebraska, hereby proposes to furnish and deliver such equipment FOB Grand Island, Nebraska, at the following price:

Manufacturer _____

One (1) Truck Mounted Foaming
Root Control Machine

Total Base Bid \$ _____

Trade-in value (Deductive Alternative) \$ _____

Total (Base Bid - Deductive Alternative) \$ _____

Delivery Date (days) _____
From receipt of purchase order

Bid From _____

Hereinafter called "Bidder, organized and existing under the laws of the State of _____ to the City of Grand island, Nebraska, hereinafter called "City" to provide:

ONE (1) TRUCK MOUNTED ROOT FOAMING CONTROL MACHINE

In compliance with the City's Advertisement to Bids, bidder hereby proposes to provide the previously mentioned services, materials, and/or equipment, at the price quoted on the bid sheet, in compliance with all requirements and specifications contained in the Bid Request, and further agrees that the language of this document shall govern in the event of a conflict with their bid.

The City reserves the right to accept or reject any or all bids, and to waive any informality and to enter into such contracts it shall deem to be in the City's best interest.

Dated this _____ day of _____, 2010.

Respectfully submitted,

Company

Address

Signature of Bidder

Telephone Number

Name (Print or Type)

Fax Number

Title