

City of Scottsbluff, Nebraska

Monday, October 7, 2013

Regular Meeting

Item Consent8

Council to approve bid specifications for the purchase of a Compost Windrow Turner for use in composting the City's biosolids, grass clippings and yard waste, and authorize the City Clerk to advertise for bids to be received on Tuesday, October 29, 2013 at 11:00 a.m.

Staff Contact: Mark Bohl, Public Works Director

Agenda Statement

Item No.

For meeting of: October 7, 2013

AGENDA TITLE: Council to approve bid specifications for the purchase of a Compost Windrow Turner for use in composting the City's biosolids, grass clippings and yard waste, and authorize the City Clerk to advertise for bids to be received on Tuesday, October 29, 2013 at 11:00 a.m.

SUBMITTED BY DEPARTMENT/ORGANIZATION: Mark Bohl, Public Works Director

PRESENTATION BY: Consent

SUMMARY EXPLANATION: *This fiscal year, the Wastewater and Environmental Service Departments are scheduled to purchase three pieces of equipment needed for the City's compost operation. The equipment is part of the improvement needed to bring our operation into compliance with State and Federal regulations.*

These bid specifications are for the purchase of a Compost Windrow Turner that will be used to mix/turn the City's biosolids, grass clippings and yard waste until it becomes a finished compost product. We have included the option of trading in a 1998 Brown Bear and a 1998 Wildcat Compost Turner toward this purchase.

These bid specifications have been reviewed by legal before bring before Council for consideration.

BOARD/COMMISSION RECOMMENDATION:

STAFF RECOMMENDATION: Staff requests that Council approve the bid specifications and authorize the City Clerk to advertise for bids to be received on October 29, 2013 at 11:00 a.m.

EXHIBITS

Resolution ☐ Ordinance ☐ Contract ☐ Minutes ☐ Plan/Map ☐

Other (specify) ☒ Bid Specifications _____

NOTIFICATION LIST: Yes ☐ No ☐ Further Instructions ☐

APPROVAL FOR SUBMITTAL: _____
City Manager

Rev 3/1/99CClerk



CITY OF SCOTTSBLUFF

**Water Reclamation
A Division of
Public Works
2525 Circle Drive
Scottsbluff, NE 69361**

Bid Specifications For The Purchase of One (1) New, Self-Propelled, 4 Wheel Drive Compost Windrow Turner

Issue Date: October 7, 2013

Publish Dates: Fridays – October 11th, October 18th and October 25th, 2013

Closing Date/Time: Tuesday, October 29, 2013 at 11:00 a.m.

Contact

**Lynn A. Garton – Water Reclamation Supervisor
308-630-6292**

NOTICE TO BIDDERS
Request for Bid Proposals
For the Purchase of One New
Self-Propelled 4 Wheel Drive Compost Windrow Turner

Sealed Bids will be received by the City of Scottsbluff, Nebraska at the office of the City Clerk until 11:00 A.M. on Tuesday, October 29, 2013, for furnishing One (1) New, Self-Propelled, 4 Wheel Drive, Compost Windrow Turner. Bids will include the option of trading in One (1) Used 1998 Brown Bear, Model SC36B, with 758 hours and One (1) Used 1998 Wildcat Compost Turner, Model LS117A, toward this purchase. All Bids must be received by the City Clerk, of the City of Scottsbluff, 2525 Circle Drive, Scottsbluff, NE 69361. Bids must be submitted in a sealed envelope plainly marked "Request for Bid Proposals, Self-Propelled Compost Windrow Turner". Specifications and Instructions to Bidders are available at the office of the City Clerk or on-line by going to www.scottsbluff.org. Inquiries may be addressed to Lynn A. Garton, Water Reclamation Supervisor, 308-630-6292 or lgarton@scottsbluff.org. The Council reserves the right to reject any and all bids and to waive irregularities.

Cindy Dickinson
City Clerk

Publish – 3T
October 11, 2013
October 18, 2013
October 25, 2013

INSTRUCTIONS TO BIDDERS

1. All Bids shall be submitted on the Bid Forms provided for this purpose in order that they may be properly compared and evaluated.
2. The Bid shall be for One (1) New, Self-Propelled, 4 Wheel Drive, Compost Windrow Turner.
3. The Bid shall include the option of trading in One (1) Used 1998 Brown Bear, Model SC36B, with 758 hours and One (1) Used 1998 Wildcat Compost Turner, Model LS117A, hours unknown, toward this purchase. The used equipment is listed on the Bid Form provided. Used equipment may be viewed at the City of Scottsbluff Compost Facility photos and details may be obtained by contacting the Water Reclamation Supervisor at 308-630-6292 or lgarton@scottsbluff.org.
4. The Bid shall be quoted F.O.B. Scottsbluff, NE.
5. Bids shall state the make and model of proposed unit and include complete detailed specifications with manufacturer's brochure, specifying the identical model being bid.
6. The City is exempt from Federal Excise or State Sales Tax. A tax exemption certificate will be furnished by the City of Scottsbluff.
7. The Bids shall be submitted to the City Clerk's office by 11:00 A.M., October 29, 2013, in a sealed envelope, and the envelope clearly marked "Request for Bid Proposals, Self-Propelled Compost Windrow Turner."
8. The Council reserves the right to reject any and all bids and to waive any irregularities for any reason deemed necessary.
9. Award of purchase by the City will not become final until Council approval is received. Following approval a Notice of Award will be provided to the successful bidder.
10. City will pay for equipment meeting all specifications upon proper documentation of same, no sooner than the first Council meeting following delivery of same.
11. Delivery time from date order is placed to vendor shall be one hundred twenty (120) days or less.
12. Price that is stated on the Bid Proposal Form shall be good for 30 calendar days following bid opening.
13. Any items of noncompliance or variations to the minimum specification requirements listed on the following pages shall be written and submitted with the Bid Proposal.
14. Actual equipment being bid must be available for inspection by City personnel after the bids are opened and before the next council meeting when the purchase will be approved.

MINIMUM SPECIFICATIONS FOR ONE (1) NEW, SELF-PROPELLED 4 WHEEL DRIVE COMPOST WINDROW TURNER

General:

- It is the intent of these specifications to establish minimum requirements for One (1) New, Self-Propelled 4 Wheel Drive Compost Windrow Turner capable of processing organic materials. This equipment shall be a Komptech X53 or equivalent. This equipment shall include all manufactures advertised standard equipment that meets or exceeds the following specifications unless otherwise specified.
- Equipment shall be of good commercial quality for the intended service and shall be produced by use of such manufacturing processes.
- Equipment shall be treated to resist rust and corrosion. The design of the mechanical members shall be such that the stress imposed through normal use shall not cause rupture or permanent deformation on any member.
- Bidders must submit with their bid, the latest printed specifications and advertising literature on the models they propose to furnish.
- It will be necessary for the successful bidder to furnish all necessary and desirable information and instructions for the proper operation of the equipment by the employees of the City of Scottsbluff, including but not limited to operational manual, parts manual, shop repair, electrical diagram, service manual and two legible copies of the manufacture's line sheets.
- Bidders shall submit a synopsis of non-compliant issues with their respective bid.
- The City of Scottsbluff has evaluated different types of equipment and has determined that this equipment is best suited for its needs in safety, quality, performance and standardization. This specification is not to be interpreted as restrictive, but rather as a measure of the safety, quality and performance against which all equipment bids will be compared. In comparing proposals, consideration will not be confined to price only. Contract will be awarded for the equipment which best serves the interests of the City of Scottsbluff when cost, equipment, safety, quality and delivery are considered. The City of Scottsbluff reserves the right to reject any or all bids or any part thereof, and to waive any minor technicalities. A contract will be awarded to the bidder submitting the lowest responsible bid meeting the exact requirements of this specification.
- Bids will be accepted for consideration on any make or model that is equal or superior to the equipment specified. Decisions of equivalency will be at the sole interpretation of the City of Scottsbluff.

- All equipment furnished shall be new, unused and the same as manufacturer's current productions model. Accessories not specifically mentioned herein, but necessary to furnish complete equipment ready for use, shall also be included. Equipment shall conform to the best practice known to the body trade in design, quality of materials and workmanship. Assemblies, sub-assemblies and component parts shall be standard and interchangeable throughout the entire quantity of equipment as specified in this invitation to bid. The equipment furnished shall conform to ANSI Safety Standard Z245.1-1999.
- Successful bidder shall provide component information consisting of serial and part numbers for all components of equipment, including but not limited to: Engine, generator, axles, hydraulic pump, and gearboxes, to assist in ordering parts in the future.

Literature:

- Two (2) copies of the following manuals/drawings shall be furnished upon delivery of the equipment:
 - Electrical diagram.
 - Hydraulic diagram.
 - Hydraulic schematics.
 - Service shop repair manuals.
 - Operator's manuals.
 - Parts manuals.
 - Manufacturers line build sheet.
 - In lieu of two copies of the manuals, the city would prefer one of the copies of the complete literature to be in compact disc format, if available.

Warranty:

- One year unlimited 100% parts and labor, **to begin no earlier than the date of delivery, and our acceptance of the machine.**
- Two year unlimited power train 100% parts and labor for a total of three years warranty.
- The successful bidder shall respond to all calls for warranty work within 48 hours of being notified by Scottsbluff Environmental Service personnel. To clarify, respond refers to being on site repairing.
- If successful bidder cannot respond within 48 hours then a local service facility shall be provided for service at no expense to the City of Scottsbluff. State the location and distance of the servicing facility when submitting the bid.
- If the equipment won't be back in service within 7 calendar days of being notified, the successful bidder will provide a like machine to keep operations going at no cost to the City.
- The successful bidder shall maintain and/or have access to parts inventory during the warranty period. If this is not possible, Note Exception when submitting bid.
- The City of Scottsbluff will not be liable for freight charges during warranty period, due to dealer not stocking parts.

- All in service policies and warranties shall be delivered with the equipment at the time of delivery.

Parts Availability:

- All parts that are essential to the operation of this equipment shall be made available to the City within 2 calendar days after being notified.

DETAILED SPECIFICATIONS

Weights and Dimensions:

- Approximate weight – 32,500 lbs.
- Dimensions- **Wheel Model** (L x W x H)

<u>Work:</u>	<u>Transport:</u>
13'10" x 17'7" x 13'	17'7" x 9'10" x 9'6"
- Tire size 14.5 x 20, foam-filled

Engine:

- The engine is to be located in an enclosed compartment on the side of the turner.
- The engine is to be CAT C9 ACERT or equivalent, minimum 330HP @ 2100 RPM, Tier 3 compliant.
- The engine should meet all current State and Federal regulations.
- The engine shall include all of the following:
 - Turbocharger and intercooler.
 - Automatic shut down for low oil pressure.
 - Low coolant level shut down.
 - High coolant temperature shut down.
 - Pressurized cooling system.
 - Heavy-duty two stage air filter with restriction indicator.
 - Engine block heater.

Auto Reversing Fan:

- The equipment shall be equipped with an engine fan that can reverse automatically as per programmed cycle in order to blow foreign material off the radiator screen/self-cleaning.

Hydraulic System:

- Hydraulic cooling system shall be a totally separate compartment from the engine cooling system.
- Hydraulic tank 50 gallon minimum.

- Hydraulic cooling system shall be equipped with a programmable reversing fan/self-cleaning

Lubrication:

- Automatic central lubrication system.

Fuel Tank:

- 80 gallon minimum, with vandal-proof/locking cap.

Cab:

- Operator shall be located on the front centerline of the equipment.
- Cab must allow 180 degree panoramic unobstructed view.
- Cab must be easily accessible with safety rails.
- Cab shall have the ability to be raised and lowered hydraulically to an approximate transport height of 10 ft. so it fits on Lowboy trailer for easy transport without special permits.
- Cab shall be pressurized, multi-stage air filtered, air-conditioned and heated.
- Tinted safety glass.
- Adjustable operator's seat.
- Keyed door lock.
- Wipers and washers on front, side, and rear glass windshields.
- First Aid Kit.
- Joystick controls integrated into armrests.

Safety Features:

- Minimum four (4) halogen lights, two front/two rear.
- Amber rotating beacon.
- Back-up alarm.
- Heated exterior mirrors.

Platform:

- Operator's platform shall provide safe and convenient access to cab.
- Access to platform shall be by minimum of one ladder with grab rails.
- Deck shall be of non-slip steel mesh or equivalent.
- Deck shall have safety guardrail system.

Rotor:

- Fully hydraulically driven, must be able to stop, start, and reverse rotation while under full load.
- Rotor design for uniform and thorough composting of material using tool placement for maximum effect, effectively mixing, blending and turning the organic material in windrow 'inside-out' during each pass.

- Rotor speed 0-200 RPM minimum, with diameter minimum 45”.
- Rotor speed infinitely variable and adjustable under load.
- Rotor tools, minimum 70 wear plates, high-strength steel, mounted to tool holders welded to drum, minimum 2 bolts on each plate.
- Rotor height hydraulically adjustable with the chassis from 0” -14” height.

Undercarriage:

- Four-wheel drive hydraulically driven, speed 0-2.5 MPH, controlled by joystick in cab.
- Automatic, central, grease distribution to key lubrication points using pressurized system.
- ‘Plows’ must be able to move material from in front of wheels into the path of the rotor.

Windrow Information:

- Windrow width minimum 16’5”.
- Windrow height minimum 7’10”
- Windrow placement may be toe-to-toe for maximum space utilization.

Service:

- The equipment should also incorporate a self-diagnostic package which is capable of displaying, on the main display panel in simple English terms (not code numbers) any faults or maintenance required with the equipment during operation. At a minimum this should include low engine oil pressure, low hydraulic oil level, high oil temperatures, loose electrical connection (or wire break and identify by number), low diesel level, primary and/or secondary air filter condition, diesel filter condition, etc.
- There should also be a GSM system that allows a connection between the equipment and the Factory and aid in any diagnosis of machine or engine maintenance or repair. This connection and monthly service should be included in the bid pricing.

Operating Manuals:

- Operating manuals shall be furnished that contain the recommended operating instructions and maintenance procedures for all systems and components being furnished. The instructions shall provided step-by-step use methods and include adequate illustrations, diagrams and other aids. Special attention shall be given to safety considerations for personnel and the equipment.

Systems Parts Books:

- A parts book supporting field repair and replacement of the various components of the delivered systems shall be furnished. This book shall include exploded or cutaway drawings of numerous components and assemblies with each drawing referencing a manufacturer's part number and description.

Instruction:

- The successful bidder shall fully instruct City personnel in the operation of the equipment furnished after delivery. The instruction period shall be of sufficient duration to fully familiarize the City's operating personnel. The instruction shall be conducted by the successful bidder's field service technician and shall include component familiarization, theory of operation, equipment operation, field procedures, techniques of use, troubleshooting, maintenance and safety procedures. *Training provided by sales or office personnel will not be acceptable.*

End Specification

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.