

**IT IS THE VENDOR'S RESPONSIBILITY TO CHECK  
FOR ADDENDUMS PRIOR TO SUBMITTING PROPOSALS**

**NOTICE TO BIDDERS  
SPECIFICATION NO. 07-044**

City of Lincoln intends to enter into contract and invites you to submit a sealed bid for:

**One (1) 190 HP, Articulated Wheel Loader with a Waste Handler Package**

**MEETING OR EXCEEDING CITY OF LINCOLN'S SPECIFICATIONS**

Sealed bids will be received by City of Lincoln, Nebraska on or before **12:00 noon Wednesday, January 24, 2007**, in the office of the Purchasing Agent, **"K" Street Complex (SW Wing), Suite 200, 440 So. 8th Street**, Lincoln, NE 68508. Bids will be publicly opened and read aloud in the First Floor Conference Room at the "K" Street Complex.

Bid specification may be downloaded from the City's website at [www.lincoln.ne.gov](http://www.lincoln.ne.gov) Keyword: Bid, select current year, select bid specification. Prospective submitters must monitor the bid listing for any addendums.

Bidders should take caution if U.S. mail or mail delivery services are used for the submission of bids. Mailing should be made in sufficient time for bids to arrive in the Purchasing Division, prior to the time and date specified above. Late bid will not be considered.

**SEALED BID  
 SPECIFICATION NO. 07-044  
 BID OPENING TIME: 12:00 NOON  
 DATE: Wednesday, January 24, 2007**

**ADDENDA RECEIPT:** The receipt of the addenda to the specification number \_\_\_\_\_ through \_\_\_\_\_ is hereby acknowledged. Failure of any bidder to receive any addenda or interpretation shall not relieve the bidder from obligations specified in the bid request. All addenda shall become part of the final contract document.

The undersigned submitter, having full knowledge of the requirements of City of Lincoln for the listed project agrees to provide the labor, certificate of insurance, materials and equipment in strict accordance with the specifications as prepared by the City for the consideration of the amount set forth in the following price schedule:

**One (1) 190 HP, Articulated Wheel Loader with a Waste Handler Package**

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QTY</u>	<u>UNIT PRICE</u>	<u>TOTAL</u>
1.	190 HP, Articulated Wheel Loader with a Waste Handler Package as per specifications.	1 ea	LUMP SUM	\$ _____
	MFG./MAKE/MODEL: _____			

**NO BID BOND REQUIRED**

**NOTE: RETURN 2 COMPLETE COPIES OF BID OFFER AND SUPPORTING MATERIAL.  
 MARK OUTSIDE OF BID ENVELOPE AS FOLLOWS: SEALED BID FOR SPEC. NO. 07-044, AS WELL AS COMPANY  
 NAME AND ADDRESS.**

The undersigned signatory of the bidder represents and warrants that he has full and complete authority to submit this offer to City of Lincoln, and to enter into a contract if this offer is accepted.

<b>COMPANY NAME</b>	<b>BY (Signature)</b>
<b>STREET ADDRESS or P.O. BOX</b>	<b>(Print Name)</b>
<b>CITY, STATE ZIP CODE</b>	<b>(Title)</b>
<b>TELEPHONE No. FAX No.</b>	<b>(Date)</b>
<b>E-MAIL ADDRESS</b>	<b>ESTIMATED DELIVERY DAYS</b>

Bids may be inspected in the Purchasing Division during normal business hours **after** tabulation and review by a Purchasing Agent. Bid tabulations can be viewed on our website at: [lincoln.ne.gov](http://lincoln.ne.gov) Keyword: **Bid** The Intent to Award will be listed on the website when a recommendation is received from the Department.

# INSTRUCTIONS TO BIDDERS

## CITY OF LINCOLN, NEBRASKA

### 1. BIDDING PROCEDURE

- 1.1 Bidder shall submit one (1) complete set of the bid documents and all supporting material, unless otherwise stipulated. All appropriate blanks shall be completed. Any interlineation, alteration or erasure on the specification document shall be initialed by the signer of the bid. Bidder shall not change the proposal form nor make additional stipulations on the specification document. Any amplified or qualifying information shall be on the bidder's letterhead and firmly attached to the specification document.
- 1.2 Bid prices shall be submitted on the Proposal Form included in the bid document.
- 1.3 Bidders may submit a bid on an "all or none" or "lump sum" basis, but should also submit a quotation on an item-by-item basis. Bidding documents shall be clearly marked indicating the kind of proposal being submitted.
- 1.4 Any person signing a bid for a firm, corporation, or other organization must show evidence of his authority so to bind such firm, corporation, or organization.
- 1.5 Bids received after the time and date established for receiving bids will be rejected.
- 1.6 If bidding on a Construction Contract, the City of Lincoln's Standard Specifications for Municipal Construction 2006 shall apply.
  - 1.6.1 Bidders may obtain this document from the City's Design Engineering Division of Public Works & Utilities for a small fee.
  - 1.6.2 Said document can be reviewed at Design Engineering or the Purchasing Division.
  - 1.6.3 The Standard Conditions are available on the web site.  
<http://www.lincoln.ne.gov/city/pworks/engine/dconst/standard/stndspec/index.htm>

### 2. BIDDER'S SECURITY

- 2.1 Bid security, as a guarantee of good faith, in the form of a certified check, cashier's check, or bidder's bond, may be required to be submitted with this bid document, as indicated on the Proposal Form.
- 2.2 If alternates are submitted, only one bid security will be required, provided the bid security is based on the amount of the highest gross bid.
- 2.3 Such bid security will be returned to the unsuccessful bidders when the award of bid is made.
- 2.4 Bid security will be returned to the successful bidder(s) as follows:
  - 2.4.1 For single order bids with specified quantities: upon the delivery of all equipment or merchandise, and upon final acceptance by the City.
  - 2.4.2 For all other contracts: upon approval by the City of the executed contract and bonds.
- 2.5 City shall have the right to retain the bid security of bidders to whom an award is being considered until either:
  - 2.5.1 A contract has been executed and bonds have been furnished.
  - 2.5.2 The specified time has elapsed so that the bids may be withdrawn.
  - 2.5.3 All bids have been rejected.
- 2.6 Bid security will be forfeited to the City as full liquidated damages, but not as a penalty, for any of the following reasons, as pertains to this specification document:
  - 2.6.1 If the bidder fails to deliver the equipment or merchandise in full compliance with the accepted proposal and specifications.
  - 2.6.2 If the bidder fails or refuses to enter into a contract on forms provided by the City, and/or if the bidder fails to provide sufficient bonds or insurance within the time period as established in this specification document.

### 3. BIDDER'S REPRESENTATION

- 3.1 Each bidder by signing and submitting a bid, represents that the bidder has read and understands the specification documents, and the bid has been made in accordance therewith.
- 3.2 Each bidder for services further represents that the bidder has examined and is familiar with the local conditions under which the work is to be done and has correlated the observations with the requirements of the bid documents.

### 4. CLARIFICATION OF SPECIFICATION DOCUMENTS

- 4.1 Bidders shall promptly notify the Purchasing Agent of any ambiguity, inconsistency or error which they may discover upon examination of the specification documents.
- 4.2 Bidders desiring clarification or interpretation of the specification documents shall make a written request which must reach the Purchasing Agent at least five (5) calendar days prior to the date and time for receipt of bids.

- 4.3 Changes made to the specification documents will be made by written addenda to all known prospective bidders and posted on the City-County website at [lincoln.ne.gov](http://lincoln.ne.gov) Keyword - Bid.
- 4.4 Oral interpretations or changes to the Specification Documents made in any other manner, will not be binding on the City; and bidders shall not rely upon such interpretations or changes.

### 5. ADDENDA

- 5.1 Addenda are written instruments issued by the City prior to the date for receipt of bids which modify or interpret the specification document by addition, deletion, clarification or correction.
- 5.2 Copies of addenda will be made available for inspection at the office of the Purchasing Agent and on the City-County website.
- 5.3 No addendum will be issued later than forty-eight (48) hours prior to the date and time for receipt of bids, except an addendum withdrawing the invitation to bid, or an addendum which includes postponement of the bid.
- 5.4 Bidders shall ascertain prior to submitting their bid that they have received all addenda issued, and they shall acknowledge receipt of addenda on the proposal form.

### 6. INDEPENDENT PRICE DETERMINATION

- 6.1 By signing and submitting this bid, the bidder certifies that the prices in this 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; unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder prior to bid opening directly or indirectly to any other bidder or to any competitor; no attempt has been made, or will be made, by the bidder to induce any person or firm to submit, or not to submit, a bid for the purpose of restricting competition.

### 7. ANTI-LOBBYING PROVISION

- 7.1 During the period between the bid advertisement date and the contract award, bidders, including their agents and representatives, shall not lobby or promote their bid with any member of the City Council or City Staff except in the course of City-sponsored inquiries, briefings, interviews, or presentations, unless requested by the City.

### 8. BRAND NAMES

- 8.1 Wherever in the specifications or proposal form brand names, manufacturer, trade name, or catalog numbers are specified, it is for the purpose of establishing a grade or quality of material only; and the term "or equal" is deemed to follow.
- 8.2 It is the bidder's responsibility to identify any alternate items offered in the bid, and prove to the satisfaction of the City that said item is equal to, or better than, the product specified.
- 8.3 Bids for alternate items shall be stated in the appropriate brand on the proposal form, or if the proposal form does not contain blanks for alternates, bidder MUST attach to the specification documents on Company letterhead a statement identifying the manufacturer and brand name of each proposed alternate, plus a complete description of the alternate items including illustrations, performance test data and any other information necessary for an evaluation. The bidder must indicate any variances by item number from the specification document no matter how slight. Bidder must fully explain the variances from the specification document, since brochure information may not be sufficient.
- 8.4 If variations are not stated in the proposal, it will be assumed that the item being bid fully complies with the City's specifications.

### 9. DEMONSTRATIONS/SAMPLES

- 9.1 Bidders shall demonstrate the exact item(s) proposed within seven (7) calendar days from receipt of such request from the City.
- 9.2 Such demonstration can be at the City delivery location or a surrounding community.
- 9.3 If bidder does not have an item in the area, it will be at the bidder's expense to send appropriate City personnel to the nearest location to view and inspect proposed item(s).
- 9.4 If items are small and malleable, the bidder is proposing an alternate product, the bidder MUST supply a sample of the exact item. Samples will be returned at bidder's expense after receipt by the City of acceptable goods. Bidders must indicate how samples are to be returned.

### 10. DELIVERY (Non-Construction)

- 10.1 Each bidder shall state on his proposal form the date upon which he can make delivery of all equipment or merchandise.
- 10.2 The City reserves the right to cancel orders, or any part thereof, without obligation, if delivery is not made within the time(s) specified on the proposal form.

- 10.3 All bids shall be based upon **inside** delivery of the equipment/ merchandise F.O.B. the City at the location specified by the City, with all transportation charges paid.
- 10.4 At the time of delivery, a designated City of Lincoln employee will sign the invoice/packing slip. The signature will only indicate that the order has been received and the items actually delivered agree with the delivery invoice. This signature does not indicate all items met specifications, were received in good condition and/or that there is not possible hidden damage or shortages.

**11. WARRANTIES, GUARANTEES AND MAINTENANCE**

- 11.1 Copies of the following documents must accompany the bid proposal for all items being bid:
  - 11.1.1 Manufacturer's warranties and/or guarantees.
  - 11.1.2 Bidder's maintenance policies and associated costs.
- 11.2 As a minimum requirement of the City, the bidder will guarantee in writing that any defective components discovered within a one (1) year period after the date of acceptance shall be replaced at no expense to the City. Replacement parts of defective components shall be shipped at no cost to the City. Shipping costs for defective parts required to be returned to the bidder shall be paid by the bidder.

**12. ACCEPTANCE OF MATERIAL**

- 12.1 All components used in the manufacture or construction of materials, supplies and equipment, and all finished materials, shall be new, the latest make/model, of the best quality, and the highest grade workmanship.
- 12.2 Material delivered under this proposal shall remain the property of the bidder until:
  - 12.2.1 A physical inspection and actual usage of this material is made and found to be acceptable to the City; and
  - 12.2.2 Material is determined to be in full compliance with the specifications and accepted proposal.
- 12.3 In the event the delivered material is found to be defective or does not conform to the specification documents and accepted proposal, then the City reserves the right to cancel the order upon written notice to the bidder and return materials to the bidder at bidder's expense.
- 12.4 Successful bidder shall be required to furnish title to the material, free and clear of all liens and encumbrances, issued in the name of the City of Lincoln, Nebraska, as required by the specification documents or purchase orders.
- 12.5 Selling dealer's advertising decals, stickers or other signs shall not be affixed to equipment. Vehicle mud flaps shall be installed blank side out with no advertisements. Manufacturer's standard production forgings, stampings, nameplates and logos are acceptable.

**13. BID EVALUATION AND AWARD**

- 13.1 The signed bid proposal shall be considered an offer on the part of the bidder. Such offer shall be deemed accepted upon issuance by the City of purchase orders, contract award notifications, or other contract documents appropriate to the work.
- 13.2 No bid shall be modified or withdrawn for a period of ninety (90) calendar days after the time and date established for receiving bids, and each bidder so agrees in submitting the bid.
- 13.3 In case of a discrepancy between the unit prices and their extensions, the unit prices shall govern.
- 13.4 The bid will be awarded to the lowest responsible, responsive bidder whose proposal will be most advantageous to the City, and as the City deems will best serve it's requirements.
- 13.5 The City reserves the right to accept or reject any or all bids; to request rebids; to award bids item-by-item, with or without alternates, by groups, or "lump sum"; to waive minor irregularities in bids; such as shall best serve the requirements and interests of the City.
- 13.6 In order to determine if the Bidder has the experience, qualifications, resources and necessary attributes to provide the quality workmanship, materials and management required by the plans and specifications, the Bidder may be required to complete and submit additional information as deemed necessary by the City. Failure to provide the information requested to make this determination may be grounds for a declaration of non-responsive with respect to the Bidder.
- 13.7 The City reserves the right to reject irregular bids that contain unauthorized additions, conditions, alternate bids, or irregularities that make the Bid Proposal incomplete, indefinite or ambiguous.

**14. INDEMNIFICATION**

- 14.1 The bidder shall indemnify and save harmless the City of Lincoln, Nebraska from and against all losses, claims, damages, and expenses, including, attorney's fees arising out of or resulting from the performance of the contract that results in bodily injury, sickness, disease, death, or to injury to or destruction of tangible property, including the loss of use resulting therefrom and is caused in whole or in part by the Bidder, any subcontractor, any directly or indirectly employed by any of them or anyone for whose acts any of them may be liable. This section will not require the Bidder to indemnify or hold harmless the City of Lincoln for any losses, claims damages, and expenses arising out of or resulting from the sole negligence of the City of Lincoln, Nebraska.
- 14.2 In any and all claims against the City or any of its members, officers or employees by an employee of the bidder, any subcontractor, anyone directly or indirectly employed by any of them or by anyone for whose acts made by any of them may be liable, the indemnification obligation under paragraph 13.1 shall not be limited in any way by any limitation of the amount or type of damages, compensation or benefits payable by or for the bidder or any subcontractor under worker's or workmen's compensation acts, disability benefit acts or other employee benefit acts.

**15. TERMS OF PAYMENT**

- 15.1 Unless stated otherwise, the City will begin processing payment within thirty (30) calendar days after all labor has been performed and all equipment or other merchandise has been delivered, and all such labor and equipment and other materials have met all contract specifications.

**16. LAWS**

- 16.1 The Laws of the State of Nebraska shall govern the rights, obligations, and remedies of the Parties under this proposal and any agreement reached as a result of this process.
- 16.2 Bidder agrees to abide by all applicable State and Federal laws and regulations concerning the handling and disclosure of private and confidential information concerning individuals and corporations as to inventions, copyrights, patents and patent rights.

**17. AFFIRMATIVE ACTION**

- 17.1 The City of Lincoln-Lancaster County Purchasing Division provides equal opportunity for all bidders and encourages minority businesses and women's business enterprises to participate in our bidding process.

**18. LIVING WAGE**

- 18.1 The bidders agree to pay all employees employed in the performance of this contract, a base wage of not less than the City Living Wage per section 2.81 of the Lincoln Municipal Code. This wage is subject to change every July.

**19. EXECUTION OF AGREEMENT**

- 19.1 Depending on the type of service provided, one of the following three (3) methods will be employed. The method applicable to this contract will be checked below:
  - a. This Contract shall consist of a **PURCHASE ORDER** and a copy of the suppliers signed bid (or referenced bid number) attached and that the same, in all particulars, becomes the agreement and contract between the parties hereto: that both parties thereby accept and agree to the terms and conditions of said bid documents, and that the parties are bound thereby and the compensation to be paid the Supplier is as set forth in the Supplier's Bid. Items not awarded, if any, have been deleted.
  - b. The contract shall consist of a **YEARLY AGREEMENT** and a copy of the suppliers signed bid attached and that the same, in all particulars, becomes the agreement and contract between the parties hereto. That both parties thereby accept and agree to the terms and conditions of said bid documents, and that the parties are bound thereby and the compensation to be paid the Supplier is as set forth in the Suppliers' Bid. Items not awarded, if any, have been deleted.
  - c. Three (3) copies of the **CONTRACT**, unless otherwise noted.
    - 1. City will furnish three (3) copies of the Contract to the successful Bidder who shall prepare attachments as required. Insurance as evidenced by a Certificate of Insurance, surety bonds properly executed, and Agreement signed with the date of signature shall be attached.
    - 2. The prepared documents shall be delivered to the City within 10 days (unless otherwise noted).
    - 3. The City will sign the Contract Agreement, insert the date of signature at the beginning of the Contract Agreement, prepare an Executive Order to go the Mayor for signature.
    - 4. Upon approval and signature from the Mayor, the City will return one copy to the Contractor.

## **EQUIPMENT SPECIFICATIONS**

### **Articulated Wheel Loader 190 HP, Waste Handler**

#### **1. APPLICATION**

- 1.1 The equipment shall be utilized in the City of Lincoln's Solid Waste Operations Composting Facility, performing a variety of functions.
  - 1.1.1 Those include construction of yard waste compost windrows, transfer of materials from stockpiles to windrows, and loading trucks and trailers with woodchips and finished compost, stockpiling materials, and brush handling operations.
- 1.2 Equipment shall be designed for use in woodchipping, yard waste composting, municipal solid waste disposal and transfer, and light material handling applications and shall be fully equipped with options and modifications normally offered by the manufacturer specifically for this described application.
- 1.3 Equipment shall be operated on an asphalt surfaced composting pad with a high frequency of tight turns and long travel distances both loaded and unloaded.
- 1.4 Visibility, ergonomical operator controls, cab space and comfort, equipment productivity and equipment maneuverability are imperative features in this application due to confined work spaces, operation near customer traffic, high volume of material handling requirements, and length of operating days.
- 1.5 Equipment operates in ambient temperature ranges from -30° F to +115° F and in an environment with significant amounts of fine dust and organic particles.
- 1.6 Equipment averages 7 hours per day, 362 days per year, in the described application(s).
- 1.7 Equipment shall replace one of either a 1998 John Deere 644H or 2003 Caterpillar 950G wheel loader currently in use in the City of Lincoln's yard waste composting operation.
  - 1.7.1 Equipment shall offer interchangeability and compatibility with attachments currently owned and in use for the intended application.

#### **2. MODEL**

- 2.1 The equipment furnished under these specifications shall be new, of the latest improved model in current year production as offered for commercial applications.
- 2.2 Example Model: John Deere 644J with Waste Handler features as specified.
- 2.3 Example models are listed to show the type and class of equipment desired.
- 2.4 Bidders are cautioned to read the specifications carefully as they may include special requirements not commonly offered by manufacturers.

#### **3. PERFORMANCE**

- 3.1 Equipment shall be designed to operate in extremely dusty environments without cooling related problems and without the need for frequent cooling system maintenance and cleaning.
- 3.2 Equipment shall be designed to operate without damage to hoses and cylinders, and power train components from handling brush and limbs.
- 3.3 Equipment shall be designed to prevent fires caused by sparks or ignition of loose organic materials around engine compartments or drive lines.
- 3.4 Equipment shall be designed to prevent damage to power train components and excessive tire wear expected from operating on hard surfaces with tight turns under loaded conditions.

**4. BID SUBMITTAL**

- 4.1 Read the Instruction to Bidders.
- 4.2 Bidders shall submit a completed response to the technical equipment specifications with full explanation of "NO" responses submitted on separate company letterhead.
- 4.3 A complete bid submittal shall include the following:
  - 4.3.1 A copy of these specifications with compliance/non-compliance identified by circling "YES" or "NO", and all additional information provided where requested in the Technical Specifications.
  - 4.3.2 Manufacturer's literature fully describing the specified features.
  - 4.3.3 Complete details of warranties.
  - 4.3.4 A list of references as specified in Section 5 of these Specifications.
- 4.4 Alternate bids which are not in compliance with the technical equipment specifications shall be given consideration provided such equipment is suitable for use in the intended application and meets all necessary performance requirements.
- 4.5 Bidders offering optional features or services not specified may offer these items by submitting a detailed description of such items and the corresponding additional price on separate company letterhead as part of the Bid Proposal.

**5. REFERENCES AND DEMONSTRATIONS**

- 5.1 Bidders shall provide a minimum of three (3) reference contacts currently using the exact equipment model being bid. Please provide contact names, company names, and phone numbers as part of the bid proposal.
- 5.2 Bidders shall provide on-site demonstrations of equipment if requested.

**TECHNICAL EQUIPMENT SPECIFICATIONS**

<b>Meets Specifications (or provide requested information)</b>		<b>Specification Requirement (circle Yes/No or provide information as requested)</b>
		<b>6. EQUIPMENT DESCRIPTION</b>
		6.1 Specify manufacturer.
		6.2 Specify model number.
		6.3 Specify production year.
		6.4 Specify gross power (SAE J1995).
		6.5 Specify net power (SAE J1349).
		<b>7. PERFORMANCE CRITERIA:</b> Performance specifications are based on equipment as specified (with Waste Handler Arrangement) and includes fuel, lubricant, counterweight and 175 pound operator, with specified tires, and manufacturer's material handling bucket arrangement (4.0 cubic yard capacity, nominal (struck)).
<b>Yes</b>	<b>No</b>	7.1 Reach, fully raised, 45 degree dump angle, greater than 45 inches.
<b>Yes</b>	<b>No</b>	7.2 Static tipping load, fully articulated position, greater than 34,000 pounds.
<b>Yes</b>	<b>No</b>	7.3 Dump clearance, fully raised, 45 degree dump angle, greater than 110 inches.
<b>Yes</b>	<b>No</b>	7.4 Breakout force as measured by SAE J732C, greater than 33,500 pounds.
<b>Yes</b>	<b>No</b>	7.5 Operating weight, greater than 48,000 pounds.
<b>Yes</b>	<b>No</b>	7.6 Loader clearance circle (diameter), bucket in carry position, less than 43 feet, 6 inches.
<b>Yes</b>	<b>No</b>	7.7 Total bucket cycle time (raise, dump, lower - power down), less than 11.0 seconds.
		<b>8. ENGINE AND RELATED EQUIPMENT</b>
<b>Yes</b>	<b>No</b>	8.1 Six cylinder <u>that meets EPA Tier III</u> Emission Standards.
<b>Yes</b>	<b>No</b>	8.2 190 H.P. (net flywheel) <u>minimum</u> at 2,200 rpms (determined at SAE standard conditions with all accessories).
<b>Yes</b>	<b>No</b>	8.3 Diesel powered.
<b>Yes</b>	<b>No</b>	8.4 Water cooled.
<b>Yes</b>	<b>No</b>	8.5 Engine governed.
<b>Yes</b>	<b>No</b>	8.6 Ignition key for electrical start/stop.
<b>Yes</b>	<b>No</b>	8.7 Dry-type dual stage air cleaner.
<b>Yes</b>	<b>No</b>	8.8 Turbo II pre-cleaner.
<b>Yes</b>	<b>No</b>	8.9 Restriction indicator for service.
<b>Yes</b>	<b>No</b>	8.10 Full flow, spin-on, throw away oil filter(s).
<b>Yes</b>	<b>No</b>	8.11 Engine oil cooler.

Meets Specifications (or provide requested information)		Specification Requirement (circle Yes/No or provide information as requested)
Yes	No	8.12 Antifreeze protection to -30° F, extended life type coolant.
Yes	No	8.13 Fuel filter and water separator.
Yes	No	8.14 Fuel priming pump.
Yes	No	8.15 Spark - arresting muffler, under hood.
Yes	No	8.16 Bent elbow vertical exhaust stack, cab height.
Yes	No	8.17 Cold weather starting aid, ether assist with cartridge.
Yes	No	8.18 110 volt, 1,000 watts AC engine block heater, minimum
Yes	No	8.19 Engine block heater with male receptacle and cover conveniently located (accessed from ground level) in a manner that does not require engine enclosure(s) to be open when in use.
Yes	No	8.20 Latching engine enclosure side panels (both sides).
<b>9. COOLING SYSTEM</b>		
Yes	No	9.1 Hydraulically operated, variable speed, temperature sensing ("on-demand"), automatically reversing fan.
Yes	No	9.2 Cab mounted switch for operator over-ride of fan function.
Yes	No	9.3 Radiator and oil coolers fully accessible for cleaning with high pressure air or water from ground level.
Yes	No	9.4 Rubber baffle to eliminate suction of fine dust into engine compartment.
Yes	No	9.5 Perforated engine enclosure side panels for improved air flow.
<b>10. ELECTRICAL</b>		
Yes	No	10.1 Master electrical disconnect switch.
Yes	No	10.2 24 volt electrical system.
Yes	No	10.3 Circuit breaker and fuse protected.
Yes	No	10.4 Batteries, dual, 12 volt, maintenance-free, 950 CCA, minimum.
Yes	No	10.5 Batteries guarded and located for ground level access.
Yes	No	10.6 Starter, direct electric, 24 volt.
Yes	No	10.7 Alternator, high capacity, 80 amp minimum.
Yes	No	10.8 Fused electrical lead, powered by ignition key switch for connection to owner installed 24 volt to 12 volt, 20 amp converter used for mobile communications radio.
<b>11. TRANSMISSION</b>		
Yes	No	11.1 Four (4) wheel drive.
Yes	No	11.2 Power shift, with torque converter.
Yes	No	11.3 Four (4) speeds, forward, minimum.
Yes	No	11.4 Three (3) speeds reverse, minimum.

Meets Specifications (or provide requested information)		Specification Requirement (circle Yes/No or provide information as requested)
Yes	No	11.5 Forward travel speed, 20 mph minimum.
Yes	No	11.6 Capable of smooth speed and directional changes under any power condition without causing damage to power train components.
Yes	No	11.7 Automatic shift capability in all gear ranges.
Yes	No	11.8 Operator selectable manual shift capability
Yes	No	11.9 Transmission "kick down" or "quick shift" feature.
Yes	No	11.10 Single-lever control for both speed and direction changes.
		<b>12. AXLES, DIFFERENTIALS, AND FINAL DRIVES</b>
Yes	No	12.1 Fixed front axle.
Yes	No	12.2 Rear axle oscillation, 18 degrees (stop to stop).
Yes	No	12.3 Conventional type differential, front and rear.
Yes	No	12.4 Hydraulic locking front and rear differential, manually operated.
Yes	No	12.5 Planetary reduction final drives, inboard mounted, all wheels.
		<b>13. BRAKES</b>
Yes	No	13.1 Spring applied, hydraulically released parking brake.
Yes	No	13.2 Four (4) wheel, hydraulically actuated, wet disc, self adjusting or maintenance free, service brakes.
Yes	No	13.3 Dual pedal braking system: right pedal functions as service brakes only and left pedal functions as a transmission neutralizer and as service brakes.
		<b>14. STEERING</b>
Yes	No	14.1 Center pivoting, frame articulation.
Yes	No	14.2 Frame articulation, 80° minimum, 40° each direction.
Yes	No	14.3 Fully hydraulic, power assisted steering system at all operating RPM ranges, including idle.
		<b>15. TIRES AND WHEELS</b>
Yes	No	15.1 One (1) spare wheel and tire included.
Yes	No	15.2 Split rim wheel construction.
Yes	No	15.3 Michelin 650/65R25 XLD L3, low profile tires.
		<b>16. HYDRAULIC SYSTEM</b>
Yes	No	16.1 Fully sealed, closed center, pressure compensating/load sensing system.
Yes	No	16.2 Full flow filtering with spin-on type filter(s).
Yes	No	16.3 Pressure relief valve, 3,600 PSI, maximum.
Yes	No	16.4 Hydraulic system oil cooler.
Yes	No	16.5 Hydraulic reservoir sight gauge.

Meets Specifications (or provide requested information)		Specification Requirement (circle Yes/No or provide information as requested)
Yes	No	16.6 Hydraulic lever lock-out feature.
<b>17. HYDRAULIC FUNCTION CONTROLS</b>		
Yes	No	17.1 Three (3) function hydraulic valve with single lever joystick control for boom functions and auxiliary lever for third function, compatible with owner's existing bucket/grapple attachment functions.
Yes	No	17.2 Automatic boom height control, adjustable.
Yes	No	17.3 Automatic bucket return-to-dig control, adjustable.
Yes	No	17.4 Automatic boom return-to-carry/travel control, adjustable.
Yes	No	17.5 Ride control feature to automatically dampen boom load during travel.
Yes	No	17.6 Lift (boom) circuit features, raise, lower, float, or hold.
Yes	No	17.7 Tilt (bucket) circuit features, roll/tilt back, dump or hold.
<b>18. BUCKET AND COUPLER SYSTEM</b>		
Yes	No	18.1 Rylind Industries quick coupler, hydraulic locking pin system, Model #LHC 4022 for compatibility with existing equipment.
Yes	No	18.2 Hydraulic control system for quick coupler locking pins (includes all cab controls, lines, and valves).
Yes	No	18.3 Remote hydraulic lines shall be routed to lower portion of right side boom arm and terminate with quick coupling hydraulic adapters, fixed at cross tubes, compatible with existing bucket/grapple (Parker Couplers: Male (on loader) FC-752-12FP and Female (on bucket) FF-751-12FP).
Yes	No	18.4 Owner will use existing Rylind Industries, Light Material Bucket (1800 lbs material density, maximum), with bolt on reversible cutting edge and see through spill guard, 5.0 cubic yard, SAE rated, nominally heaped (do not provide manufacturers bucket in response to this specification).
<b>19. LIFT ARM AND LINKAGE</b>		
Yes	No	19.1 Linkage, z-bar design.
Yes	No	19.2 Sealed pivot points in lift arms.
Yes	No	19.3 Boom safety locking bar.
<b>20. CAB AND RELATED EQUIPMENT</b>		
Yes	No	20.1 Steel construction ROPS/FOPS structure (canopy).
Yes	No	20.2 ROPS/FOPS structure integral with cab.
Yes	No	20.3 ROPS/FOPS conforms to SAE standards in effect at time of purchase.
Yes	No	20.4 ROPS/FOPS structure and cab mounted in a manner to provide noise/vibration reduction.
Yes	No	20.5 Cab environment fully enclosed and sealed to outside environment.
Yes	No	20.6 Cab environment fully sound suppressed and insulated.

Meets Specifications (or provide requested information)		Specification Requirement (circle Yes/No or provide information as requested)
Yes	No	20.7 Cab environment sound suppression meets requirements for operator sound exposure in effect at time of equipment manufacture.
Yes	No	20.8 Cab environment pressurized (positive), air filtering.
Yes	No	20.9 Factory installed air conditioning designed to maintain a 35° F difference between outside ambient air and inside cab temperature for ambient temperature ranges up to +115° F.
Yes	No	20.10 Factory installed heater.
Yes	No	20.11 Factory installed front and rear window defroster.
Yes	No	20.12 Tinted safety glass throughout.
Yes	No	20.13 Front and rear windshield washers and wipers with two (2) speeds and intermittent control.
Yes	No	20.14 Key locking door latch(es).
Yes	No	20.15 Dual inside rear vision mirrors, adjustable, mounted forward of operator.
Yes	No	20.16 Dual exterior mounted rear vision mirrors, "west coast type", adjustable.
Yes	No	20.17 Heavy-duty rubber floor covering.
Yes	No	20.18 Door(s) and window(s) latch in open position.
Yes	No	20.19 Cab interior light.
Yes	No	20.20 Instrument panel lighting.
Yes	No	20.21 Anti-glare window strip and/or sun visor.
Yes	No	20.22 Adjustable tilt steering column.
Yes	No	20.23 Horn, electrical.
Yes	No	20.24 Reverse warning/back up alarm, audible.
Yes	No	20.25 AM/FM stereo radio, 24 volt, auto tuning, factory installed.
Yes	No	20.26 Operator's seat.
Yes	No	20.26.1 Adjustable for height and weight.
Yes	No	20.26.2 Adjustable for fore/aft position.
Yes	No	20.26.3 Cloth covered, with deep foam.
Yes	No	20.26.4 High back.
Yes	No	20.26.5 Seat back adjustable for tilt.
Yes	No	20.26.6 Armrests, stowable in up position.
Yes	No	20.26.7 Specify arm rest adjustments (up/down, forward/backward, both or none). <div style="text-align: right; margin-top: 10px;">           _____            _____            _____            _____            _____         </div>

Meets Specifications (or provide requested information)		Specification Requirement (circle Yes/No or provide information as requested)
Yes	No	20.26.8 Seat suspension, air.
Yes	No	20.26.9 Three (3) inch webbed lap seat belt width, minimum.
Yes	No	20.26.10 Seat belt retractable.
Yes	No	20.27 Fenders, front and rear.
Yes	No	20.28 Flexible cab entry steps.
Yes	No	20.29 Handholds and steps, ergonomically placed.
Yes	No	20.30 Convenience platform at cab door(s).
Yes	No	20.31 Platform, handholds, and steps to access rear window area.
		<b>21. INSTRUMENTS, GAUGES, METERS, AND SYSTEM FAILURE WARNINGS</b>
Yes	No	21.1 Engine hour meter.
Yes	No	21.2. Engine RPM's.
Yes	No	21.3 Engine oil pressure; gauge and audible alarm.
Yes	No	21.4 Engine coolant temperature; gauge and audible alarm.
Yes	No	21.5 Transmission and/or torque converter oil temperature; gauge and audible alarm.
Yes	No	21.6 Transmission filter restriction; audible alarm.
Yes	No	21.7 Hydraulic oil temperature; gauge and audible alarm.
Yes	No	21.8 Hydraulic filter restriction or low fluid level; audible alarm.
Yes	No	21.9 Service braking system pressure (hydraulic); audible alarm.
Yes	No	21.10 Parking brake activated; audible alarm.
Yes	No	21.11 Battery charge indicator.
Yes	No	21.12 Fuel level indicator.
		<b>22. LIGHTING</b>
Yes	No	22.1 Stop and tail lights.
Yes	No	22.2 Turn signals and flashers, both front and rear.
Yes	No	22.3 Work lights, two (2) front and two (2) rear.
Yes	No	22.4 Driving lights (headlights), guarded front of cab.
Yes	No	22.5 Rotating safety beacon, cab roof mounted, activated by switch and wiring integral to instrument panel.
		<b>23. SPECIAL FEATURES</b>
Yes	No	23.1 Waste handling features:
Yes	No	23.1.1 Electrically actuated and hydraulically operated, hinged power train guarding ("belly pans").
Yes	No	23.1.2 Fuel tank guarding.

Meets Specifications (or provide requested information)		Specification Requirement (circle Yes/No or provide information as requested)
Yes	No	23.1.3 Hydraulic tank guarding
Yes	No	23.1.4 Axle seal guards.
Yes	No	23.1.5 Boom and bucket cylinder hydraulic line guards.
Yes	No	23.1.6 Roof mounted air conditioning condenser.
Yes	No	23.2 Factory installed "environmental" drain system for hydraulic, engine, and transmission fluids designed to prevent spillage and dealer modified to be compatible with owner's existing oil removal system.
Yes	No	23.3 Fluid drains and fluid filters accessible without removal of any specified equipment guarding features.
Yes	No	23.4 Centralized grease banks in articulation area for difficult to access grease points.
Yes	No	23.5 Fixed drawbar, with locking drop pin.
Yes	No	23.6 Maximum allowable rear counter weights as recommended by manufacturer.
_____ pounds		23.6.1 Specify rear counter weight, in pounds.
<b>24. MANUALS</b>		
Yes	No	24.1 Two (2) complete service manuals.
Yes	No	24.2 Two (2) complete parts manuals.
Yes	No	24.3 Three (3) complete operators manuals (one for equipment and two for additional reference requirements).
<b>25. PAINT</b>		
Yes	No	25.1 Two (2) coats primer paint.
Yes	No	25.2 One (1) coat manufacturer's standard paint color.
<b>26. WARRANTY REQUIREMENTS</b>		
Yes	No	26.1. The successful bidder shall provide a full machine warranty for a period of not less than one (1) year from the date of acceptance.
Yes	No	26.2 The successful bidder shall provide an extended power train and hydraulic system warranty for a period of not less than five (5) years from the date of acceptance or 7,500 hours of operation as recorded by the engine hour meter.
Yes	No	26.3 Complete details of full machine warranty and extended power train warranty must accompany bid.
Yes	No	26.4 Service and Repair Performance requirements as specified in Section 27 of these specifications shall be in effect during all warranty periods.
<b>27. SERVICE AND REPAIR PERFORMANCE</b>		
Yes	No	27.1 The following shall constitute, in effect, a service contract between the City of Lincoln and the Seller and shall remain in effect throughout all standard and extended warranty periods.

<b>Meets Specifications (or provide requested information)</b>		<b>Specification Requirement (circle Yes/No or provide information as requested)</b>
<b>Yes</b>	<b>No</b>	27.1.1 The Seller warrants that all service and repair work will be performed by certified mechanics experienced in the operation and maintenance of such equipment.
<b>Yes</b>	<b>No</b>	27.1.2 All repair and service work shall be performed by a factory authorized dealer.
<b>Yes</b>	<b>No</b>	27.2 The equipment shall be completely serviced and inspected by the Seller prior to delivery to insure compliance with the attached specifications.
<b>Yes</b>	<b>No</b>	27.3 Upon delivery to Solid Waste Operations, the equipment shall be ready for immediate operation.
<b>Yes</b>	<b>No</b>	27.4 The Seller shall provide all manufacturer's recommended equipment training to be not less than four (4) hours, but shall not exceed eight (8) hours.
<b>Yes</b>	<b>No</b>	27.4.1 Scheduling shall be at the discretion of the City of Lincoln.
<b>Yes</b>	<b>No</b>	27.4.2 Related training should include, but not be limited to, equipment schedules, preventive maintenance procedures, equipment servicing procedures, and equipment productivity and efficiency.
<b>Yes</b>	<b>No</b>	27.5 The Seller shall assist the City of Lincoln in developing a preventive maintenance schedule for the equipment and shall provide to the City of Lincoln, upon request, recommendations and cost estimates for major equipment repairs.
<b>Yes</b>	<b>No</b>	27.6 To every extent possible, warranty repairs and repairs purchased from the Seller shall be performed on site at the Solid Waste Operation's maintenance facility.
<b>Yes</b>	<b>No</b>	27.6.1 In the event repairs are requested from the Seller, the Seller shall warrant that the equipment is to be placed back into service within twenty-four (24) hours after the request is made for repairs performed at the Solid Waste Operation's maintenance facility.
<b>Yes</b>	<b>No</b>	27.6.2 If certain major repairs require the removal of the equipment from the Solid Waste Operation's facility and such repairs are performed in an alternate facility approved by the City of Lincoln, the Seller shall warrant that equipment is to be placed back into service within thirty-six (36) hours after the request is made and shall pay all transportation costs to and from the City's facility.
<b>Yes</b>	<b>No</b>	27.6.3 The Seller shall have the ability to provide service and repair work if so requested by the City of Lincoln during the weekend, holidays, and nights.

Meets Specifications (or provide requested information)		Specification Requirement (circle Yes/No or provide information as requested)
Yes	No	27.6.4 In the event that the Seller cannot comply with these time requirements for repairs, the Seller shall be required to provide equipment suitable for the job application at no additional cost to the City of Lincoln; or pay the City of Lincoln liquidated damages, a sum equal to the daily rental rate for like equipment as normally offered by the Seller for each working day (Monday through Friday) or part thereof in which the City is without the equipment. The assessment of liquidated damages shall be effective following the expiration of the above time limits and after formal notification by the City of Lincoln to the Seller.
Yes	No	27.7 The Seller shall supply to the City of Lincoln, a parts inventory list on an annual basis beginning with the delivery of the equipment.
Yes	No	27.7.1 Repair or maintenance parts not normally available in the Seller's parts inventory and ordered through the Seller shall be available for pickup within the local Lincoln area, or be delivered to the Solid Waste Operation's facility at no additional cost within twenty-four (24) hours after placing the order (Monday through Friday).
Yes	No	27.7.2 In the event that the Seller cannot comply with these time requirements for parts delivery, the Seller shall be required to provide equipment suitable for the job application at no additional cost to the City of Lincoln; or pay the City of Lincoln liquidated damages, a sum equal to the daily rental rate for like equipment as normally offered by the Seller for each working day (Monday through Friday) or part thereof in which the City is without the equipment. The assessment of liquidated damages shall be effective following the expiration of the above time limits and after formal notification by the City of Lincoln to the Seller.
Yes	No	27.8 The above referenced time requirements shall not apply if any delays beyond those specified in Sections 27.6.4 thru 27.7.2 are caused by Acts of God, strike, or other reasonable consideration beyond the control of the Seller, or if otherwise waived by the City of Lincoln.
Yes	No	27.9 During periods of extended repairs, service, or rebuilds, the Seller shall have the ability to make available to the City of Lincoln, rental equipment similar in performance as that specified at reasonable and customary rental rates as indicated in the "Rental Rate Blue Book of Construction Equipment".
Yes	No	27.10 The Seller shall be required to inform the City of Lincoln of any changes or modifications to preventive maintenance procedures, normal service procedures, or recalls.

Company Name \_\_\_\_\_

<b>Meets Specifications (or provide requested information)</b>		<b>Specification Requirement (circle Yes/No or provide information as requested)</b>
<b>Yes</b>	<b>No</b>	27.11 The Seller shall at the time of delivery inform the City of Lincoln by written correspondence of the manufacturer's standards for lubricant contaminate levels. This shall include frequency of sampling, methods of sampling, "alarm" levels of specific contaminants, and any associated corrective action procedures required. These recommendations shall be in full compliance with any standard or extended warranties.