



## Request for Bids

### Notice

Notice is hereby given that the Cedar Rapids Linn County Solid Waste Agency will receive sealed bids for the purchase of Landfill Global Positioning System Equipment and Service for landfill grading and compaction meeting the requirements set forth in the Request for Bids.

Bids shall be submitted on the forms provided by the Cedar Rapids Linn County Solid Waste Agency as part of this Request for Bids. All quotes shall be placed in a sealed envelope clearly identified as *“Landfill Global Positioning System Equipment and Service.”*

**FAXED OR EMAILED BIDS WILL NOT BE CONSIDERED.**

Bids shall be received up to, but no later than 2 p.m. August 9, 2022, at

Cedar Rapids Linn County Solid Waste Agency  
1954 County Home Road  
Marion, IA 52302

Bids received by the deadline shall be opened and evaluated by staff. A recommendation will be presented during the meeting of the Board of Directors of the Cedar Rapids Linn County Solid Waste Agency scheduled for 1:30 p.m., August 16, 2022. The Board may choose to act upon the recommendation during that meeting or delay action.

living. together. **green**



## **REQUEST FOR BIDS**

July 26, 2022

**For**  
**LANDFILL GLOBAL POSITIONING SYSTEM**  
**EQUIPMENT AND SERVICE**

Prepared by  
Cedar Rapids Linn County Solid Waste Agency

# CEDAR RAPIDS LINN COUNTY SOLID WASTE AGENCY

## REQUEST FOR BIDS

### LANDFILL GLOBAL POSITIONS SYSTEM (GPS) EQUIPMENT AND SERVICE

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**ATTACHMENT A – GENERAL COMPANY INFORMATION FORM**

**ATTACHMENT B – VENDOR ACKNOWLEDGEMENT & PRICING SUBMITTAL**

## Overview

The Cedar Rapids Linn County Solid Waste Agency (Agency) is seeking bids for Landfill Global Positioning System (GPS) Equipment and Service for landfill grading and compaction that must be an integrated system of software, computer, GPS receiving, and communications to provide the staff of the Agency with better tools to implement fill progressions including lift planning, finished slopes, benches, interim surface levels, pipe systems, roadways, and monitor compaction efforts.

The GPS equipment shall be provided and installed for use on one of the site's compactors and one of the site's dozers. In addition, necessary equipment shall be provided to allow the Agency to easily transfer the GPS equipment to backup dozers and compactors. The following list shows the Agency heavy equipment that will likely utilize the GPS equipment:

- Caterpillar 826k
- Bomag BC772 RB-4
- Caterpillar D8T
- Caterpillar D6T

## Landfill GPS Equipment Requirements

The products and services offered by the Vendor in their bid shall meet the requirements set forth in this section. If the Vendor's products and services offered in their bid deviates from the requirements of this section, the Vendor shall provide details of the deviations as required in **Attachment B. Deviations from the requirement of these specifications must be requested by the Bidder prior to the deadline for questions. Specification deviations deemed acceptable by the Agency will be issued in an addendum prior to the Request for Bids deadline at the sole discretion of the Agency.**

## Specifications

All bids must include a complete and operational system for landfill density management and grade control for landfill construction. The offered system in the Vendor's bid shall meet the following requirements:

1. The system shall consist of equipment mounted in the cab of one (1) landfill compactor and one (1) dozer, as well as an office monitoring station including:
  - Mobile GPS receiver.
  - Communication system.
  - Field equipment mounted computers
  - A software package capable of analyzing GPS data to show density achieved; wheel patterns traveled; northing and easting; and elevation, relative to the landfill construction plan contained in the system memory.
  - All necessary cabling, wiring, hardware mounts, antennas and repeaters.
2. The software shall have the ability to control grade, show compaction patterns as color-coded wheel tracks, indicating path of travel and surface deflection. The software shall have the capabilities of showing the operator the boundaries for planned airspace, including grading and slopes. Surface deflection, as illustrated with color change in wheel tracks, shall be based on change in machine elevation and layer thickness. Pass counting systems are not acceptable.
3. The software should have an integrated 3D Visualizer to view the project as an interactive 3D model.

4. Software shall provide a Cloud-Based platform. The system should operate so that data can be accessible from remote locations in real time.
5. All field equipment shall be capable of interfacing with the office computer through a cellular data link for further processing of compaction, position data, and archiving.
6. The GPS equipment shall be fully functional at all points of the landfill. The Vendor shall provide equipment necessary to ensure that the GPS equipment is functional at remote locations and lower elevations of the landfill.
7. The software package shall be compatible with Windows 10 or Windows 11 64-bit operating systems.
8. All field equipment mounted computers and GPS equipment shall meet MIL-STD-810E for shock, vibration, and acceleration. All equipment shall be heavy duty, designed for mobile equipment use and capable of operating between -22 degrees F and 158 degrees F.
9. The software for the compactor and dozer should start up in the morning automatically or by pressing a "power" button, be ready to operate, and shall save data automatically at the end of each day.
10. The software system should, at the end of each day, automatically update the true terrain model of the existing grades, be capable of computing cover material, as needed, and compile data to generate a report that will indicate daily machine activity, calculate available airspace, and calculate the daily compacted volume of waste.
11. The system must be able to easily import or export surveying data. The system shall be able to import design data and export data collected in a format readable by AutoCAD, DXF, DWG or as a Microsoft Excel format.
12. System shall display real-time waste compaction including pass after pass surface deflection measurements to determine when the compactor achieves no appreciable compaction for the latest pass.
13. System shall be capable of checking grades, conducting surveys, locating stakes and display cut and fill information.
14. System shall have the ability for the operator to establish and record points with user defined text descriptions, actual elevation, and actual location (northing and easting).
15. The software shall allow for the addition of areas to warn equipment operators of hazards. When equipment passes into a hazard area, the equipment should notify the operator and log the information for later retrieval.
16. System shall perform basic diagnostics and troubleshooting via software.
17. System shall have the capability of being transferred to other onsite dozers and compactors.
18. Entire system shall be usable in any brand of standard construction equipment.
19. Landfill equipment monitors shall be 7 inches with touchscreen displays that are visible under high light and low light working conditions.
20. System shall have the ability for the operator and the office staff member to input/create multiple flat and incline plane designs independently.
21. The system should be equipped with a dual-heading antenna to allow for vehicle heading information without additional operator input.
22. The system should come equipped with a sensor to measure pitch and roll. This information should be displayed in a value on the main screen of the system. This information should also be reflected in a visual representation on equipment monitor.

## **Delivery and Setup**

Delivery and setup shall occur on a date mutually acceptable by the Agency and the selected Vendor. The Agency wishes to receive the system as soon as possible, and a guaranteed date of delivery will be considered during the evaluation of bids. Delivery will be to the Cedar Rapids Linn County Solid Waste Agency, 1954 County Home Road, Marion, IA 52302. The Vendor shall deliver equipment, assemble

equipment, adjust all equipment standard and supplemental, complete installation, and have the system made ready for continuous operation. The equipment must be fully functional upon completion. Instruction manuals shall be included for all equipment purchased.

### **Training**

The Vendor must provide one day of time allotted for the training of the equipment to the Agency operators and managers. Training shall take place immediately after the equipment has been installed and is fully functional on the Agency's heavy equipment. The Vendor must have ready access to manufacturer's technical resources for problems beyond their ability. All cost for this training program must be included in the proposal.

### **Service**

The Vendor shall describe the manufacturer's technical support, software updates, troubleshooting, and technician proximity and availability. Availability of representatives to assist in proper application and to resolve technical problems is a requirement of this bid (See **Attachment A**). If the Vendor does not demonstrate, to the Agency's satisfaction, that they have the capabilities to effectively troubleshoot and service equipment in an expedient manner than the Agency may choose to not award to the Vendor, regardless of the proposed price. The Vendor shall maintain sufficient service facilities and qualified personnel to service the equipment.

The selected Vendor must be available to provide technical assistance in the operation and maintenance of the equipment upon request. Such assistance must be available within 24 hours and without additional cost.

### **Product Warranties**

Warranty coverage shall be included in the bid. The Vendor shall provide detailed warranty information for each applicable component of the system. The Vendor should describe fully the duration and extent of equipment warranties and indicate if loaner equipment is offered when repairs are required. All hardware provided shall have a minimum three-year warranty.

### **Performance Bond**

Upon approval of the contract, the successful Vendor is required to provide a performance bond in favor of the Agency, in an amount equal to 50% of the purchase price of the system for the period of the warranty to protect the Agency against any breach of contract and ensure the performance of the unit for its intended purpose.

If any equipment is inoperative due to equipment failure, through no fault or negligence of the user, and the total number of hours of downtime exceeds 10% of the total productive time for three consecutive calendar months, the Agency reserves the right to require the Vendor to replace the equipment or terminate the order with no termination or removal charges being assessed to the Agency. In addition, the Vendor must reimburse the Agency for any funds that were paid on this equipment. The Vendor will be notified to remove and replace the defective product(s) within ten business days at no cost to the Agency. Failure to respond in good faith may result in termination of the contract.

Total productive time will be computed by multiplying 8 hours per day by the number of working days in the month, excluding Saturdays, Sundays, and Agency holidays. The effectiveness level of the GPS equipment shall be computed by dividing the total productive time by the total available time multiplied

by 100. Scheduled preventative maintenance calls neither related to, nor coinciding with repair/breakdown calls, will not be considered downtime.

Should the Agency determine the cause for the service call to be an operator error or misuse by the Agency, downtime will not be a factor in determining machine performance and the Agency will determine the facts and try to resolve the situation to the satisfaction of all parties.

The Vendor must certify that all products offered through this contract are fully functional. The occurrence of any problems which cannot be resolved quickly and satisfactorily may result in a full refund.

## **Submittal Instructions**

The bid shall be the purchase price, in full, as outlined on **Attachment B**. Bids shall include delivery to Cedar Rapids Linn County Solid Waste Agency, 1954 County Home Road, Marion, Iowa. Invoices may not be submitted until equipment has been delivered, setup, and is fully operational at the Agency's facility.

Sealed bids shall be delivered by hand or in mail to the following address:

Cedar Rapids Linn County Solid Waste Agency  
1954 County Home Road  
Marion, IA 52302

Sealed bids shall be received no later than **2:00 PM Central Time, Tuesday, August 9<sup>th</sup>, 2022**. Any bid received by the Agency after 2:00 PM central time on July 14, 2022, shall be rejected and returned unopened. Vendors may not withdraw their bids after bids are opened without the written approval of the Agency. Requests to withdraw a bid must be in writing and properly signed. Vendors may, however, withdraw their bid at any time prior to the scheduled opening. No bid will be opened which is received after the time and date scheduled for the bids to be received.

The specifications and requirements outlined in this Request for Bids are intended to allow equipment vendors of varied manufacturers to quote this equipment. Standard specifications of this equipment will be consulted if any questions arise during the evaluation of these bids. All prices and bids must be typed or clearly printed. Errors may be crossed out and corrections typed or clearly printed adjacent and initialed by the authorized representative signing the bid. All line items on **Attachment A** and **Attachment B** must be filled out for the bid to be valid. This includes requests for the Vendor to provide supplemental information. All bids must be dated and signed with the Vendor's name, address, and authorized representative name. All bids shall remain firm for at least ninety (90) days from the opening date.

Cedar Rapids Linn County Solid Waste Agency reserves the right to reject any and all quotes, waive any formality and accept in whole or in part any bid or bids as may be deemed to be in the best interest of the Agency.

The Vendor's service capabilities are a part of this Request for Bids and the Vendor must demonstrate they can meet the service requirements of this Request for Bids by including necessary information with **Attachment A**. The delivery date is a part of the bid and must be specified on **Attachment B**.

It is the Vendor's responsibility to seek clarification of any ambiguities or other issues regarding this Request for Bids that are not fully understood. Questions regarding this Request for Bids must be

submitted in writing by email to Garrett Prestegard at [gprestegard@solidwasteagency.org](mailto:gprestegard@solidwasteagency.org). The deadline for questions is **12:00 PM on August 2, 2022**. All questions and responses from the Agency will be posted on the Agency's website at [www.solidwasteagency.org](http://www.solidwasteagency.org).

## **Bid Evaluations**

The Agency will review information provided in the Request for Bids and award the project to the lowest responsible Vendor. A responsible Vendor is one who, in the sole opinion of the Agency, possesses the products, skill, ability, integrity, responsiveness, and service capabilities to meet the requirements of this Request for Bids. The Agency reserves the right to waive discrepancies between a Vendor's submitted bid and requirements outlined in this Request for Bids if doing so is determined to be in the best interest of the Agency, as deemed by the Agency.

The Agency reserves the right to withdraw or amend this Request for Bids at any time. The Agency further reserves the right to waive irregularities and informalities in bids submitted by Vendors.

## **Available Information and Follow-up**

The Agency is not responsible for locating or securing any information which is not included in a Vendor's submittal. Accordingly, to ensure sufficient information is available, the Vendor must furnish in conjunction with its bid, descriptive material (such as illustrations, drawings, manufacturer information, service facility information, or other data) needed for the Agency to determine whether the equipment and services offered meets the minimum requirements of this Request for Bids.

## **Reservations**

The Vendor must not have any unresolved performance issues with the Agency. The Vendor's performance as a prime in previous agreements may be considered when evaluating bids. The Agency may contact other agencies during the evaluation period to ensure that the Vendor does not have any unresolved or unsatisfactory performance issues.

The Agency reserves the right to ask for additional information or clarifications during the period between bid opening and award. The Agency reserves the right to accept or reject any or all bids, or to waive any irregularities or informalities in the bids, and may re-advertise for such upon any conditions or for any reasons deemed appropriate by the Agency.

## **Terms & Conditions**

**ASSIGNMENT** - The Agency and the Vendor are hereby bound and the partners, successors, executors, administrators and legal representatives of the Agency and the Vendor are hereby bound to the other Party to the Project and to the partners, successors, executors, administrators and legal representatives (and said assigns) of such other Party, in respect of all covenants, agreements and obligations of the Project. Any assignment or attempt at assignment made without prior written consent of the Agency shall be void.

**PROPOSAL CURRENCY/LANGUAGE** - All bid prices shall be shown in US Dollars (\$). All prices must remain firm for the duration of the contract regardless of the exchange rate. All proposals must be submitted in English.

**BID INFORMATION IS PUBLIC** - All documents submitted with a proposal shall become public documents and subject to Iowa Code Chapter 22, which is otherwise known as the "Iowa Open Records Law". By submitting a bid to the Agency, the submitting party recognizes this and waives claim against



the Agency and any of its officers and employees relating to the release of documents or submitted information. Each submitting party shall hold the Agency and its officers and employees harmless from claims arising from the release of documents or information made available to the Agency.

**BID REJECTION OR PARTIAL ACCEPTANCE** - The Agency reserves the right to accept or reject any or all bid or parts thereof. The Agency further reserves the right to waive technicalities and formalities in bids, as well as accept in whole or in part such proposals where it is deemed in the best interests of the Agency.

**CONFLICT OF INTEREST** – The Vendor represents, warrants, and covenants that no relationship exists or will exist during the Project period between the Vendor and the Agency that is a conflict of interest. No employee, officer or agent of the Vendor shall participate in the selection or in the award if a conflict of interest, real or apparent, exists. The provisions of Iowa Code Chapter 68B shall apply to the Project. If a conflict of interest is proven to the Agency, the Agency may terminate the Project, and the Vendor shall be liable for any excess costs to the Agency. The Vendor shall establish safeguards to prevent employees, consultants, or members of governing bodies from using their positions for purposes that are, or give the appearance of being, motivated by the desire for private gain for themselves or others with whom they have family, business, or other ties. The Vendor shall report any potential, real, or apparent conflict of interest to the Agency.

**DISPUTES** - Should any disputes arise with respect to agreements; the Parties agree to act immediately to resolve such disputes. Time is of the essence in the resolution of disputes. The Vendor agrees that, the existence of a dispute notwithstanding, it will continue without delay to carry out all responsibilities under the Project that are not affected by the dispute and the Agency shall continue to make payment for all Services properly performed. Should the Vendor fail to continue to perform its responsibilities regarding all non-disputed Services, without delay, any additional costs incurred by the Agency or the Vendor shall be borne by the Vendor. The unintentional delayed payment by the Agency to the Vendor of one or more invoices not in dispute in accordance with the terms of the Contract will not be cause for the Vendor to stop or delay Services.

**INDEMNIFICATION** - The Vendor shall, and hereby agrees to, protect, defend, indemnify and hold harmless the Agency, its officers and employees from any and all claims, settlements, judgments, and damages of every kind and nature made, to include all costs associated with the investigation and defense of any claim, rendered or incurred by or on behalf of the Agency, its officers, and employees, that may arise, occur, or grow out of any errors, omissions, or negligent acts, done by the Vendor, its employees, or any independent Party working under the direction of the Vendor in the performance of the Project.

**LAWS AND REGULATIONS** - The Vendor shall be governed, interpreted and enforced in accordance with all applicable federal, State of Iowa, and local laws, ordinances, licenses and regulations of a governmental body having jurisdiction and shall apply to any agreements throughout. The Vendor certifies that in working with the Agency, they will comply with all applicable provisions of the federal, state, and local laws, regulations, rules, and orders.

**NO GIFT STANDARD** - The Agency is committed to upholding the highest ethical standards in all business practices. This standard recognizes the need to avoid even the perception of improper gifts or favors to employees. Therefore, all Vendors have been asked to abide by the Agency's "No Gift" standard. The "No Gift" standard also applies to all offers of discounts or free items at any place of business targeted toward an Agency employee and not available to the public, regardless of the value.

**NON-COLLUSION STATEMENT** – The Vendor, or anyone in the employment of the Vendor, does not have a contract, agreement or arrangement, either oral or written, expressed or implied, contemplating any division of compensation for Services rendered under the Contract or participation therein, directly or indirectly, by any other person, firm or corporation, except as documented for the Project. Neither the Vendor, nor anyone in the employment of the Vendor, has either directly or indirectly entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive procurement.

**NON-DISCRIMINATION AND EQUAL OPPORTUNITY** - All Vendors that engage in agreements with the Agency agree as follows: The Vendor will not discriminate against any employee or applicant for employment because of race, creed, color, sex, religion, national origin, age, marital status, families with children, sexual orientation, disability or handicap, except where age and sex are essential bona fide occupational requirements, or where disability or handicap is a bona fide occupational disqualification. Such action shall include, but not be limited to the following; (a) Employment, (b) Upgrading, (c) Demotion or transfer, (d) Recruitment and advertising, (e) Layoff or termination, (f) Rate of pay or other forms of compensation, and (g) Selection for training, including apprenticeship. The Vendor further assures that managers and employees comply with both the spirit and intent of federal, state, and local legislation, government regulation, and executive orders in providing affirmative action as well as equal opportunity without regard to race, creed, color, sex, religion, national origin, age, marital status, families with children, sexual orientation, disability or handicap.

**REGULATORY AGENCY COMPLIANCE** - Compliance with laws and regulations set forth by regulatory agencies is required. These agencies include, but are not limited to, OSHA – Occupational Safety & Health Agency, EPA – Environmental Protection Agency, ICC – Interstate Commerce Commission, DNR – Department of Natural Resources, and DOT – Department of Transportation. The Agency expects that Vendors will offer expertise on conformance of regulations applying to the services they provide.

**SUBCONTRACTING** – The Services relating to this Project, or any portion thereof, may not be subcontracted without written approval from the Agency.

**TAXES** – The Agency is exempt from sales tax and certain other use taxes. Any charges for taxes from which the Agency is exempt will be deducted from invoices before payment is made. The Agency Tax ID number is 42-1416197.

**WARRANTIES** – The Vendor shall be responsible for all damages to property or persons resulting from the Vendor’s negligent acts, errors, or omissions, and for any losses or costs to repair or remedy any services undertaken by Agency based upon the services because of any such negligent acts, errors, or omissions. The Vendor’s obligations shall exist without regard to, and shall not be construed to be waived by, the availability or unavailability of any insurance, either of Agency or the Vendor.

**ATTACHMENT A – GENERAL COMPANY INFORMATION FORM**

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

Company Address \_\_\_\_\_

General Description of the Company: \_\_\_\_\_

Type of Organization (franchise, corporation, partnership, etc.) \_\_\_\_\_

Number of years in business: \_\_\_\_\_

**References**

List three (3) customers who are current or have been served by your company within the last three (3) years with projects of similar scopes. (Name of firm, address, contact person, phone number)

**Reference #1 - Name:** \_\_\_\_\_

Address: \_\_\_\_\_

Contact Person & Phone: \_\_\_\_\_

Date & Description of Job: \_\_\_\_\_

Contract Value: \_\_\_\_\_

**Reference #2 - Name:** \_\_\_\_\_

Address: \_\_\_\_\_

Contact Person & Phone: \_\_\_\_\_

Date & Description of Job: \_\_\_\_\_

Contract Value: \_\_\_\_\_

**Reference #3 - Name:** \_\_\_\_\_

Address: \_\_\_\_\_

Contact Person & Phone: \_\_\_\_\_

Date & Description of Job: \_\_\_\_\_

Contract Value: \_\_\_\_\_

**Personnel**

Name and title of person overseeing the Agency account: \_\_\_\_\_

Office Phone: \_\_\_\_\_ Mobile: \_\_\_\_\_ Email: \_\_\_\_\_

**Please attached information to this form demonstrating the Vendor's ability to meet the Service requirements outlined in the Request for Bids.**

**ATTACHMENT B – VENDOR ACKNOWLEDGEMENT & PRICING SUBMITTAL FORM**

**Vendor Acknowledgements**

Please acknowledge whether your bid meets the items listed below. If not, please provide details and/or equivalency information for your bid. Please attach additional information as needed:

1. The system shall consist of equipment mounted in a landfill compactor and one dozer, as well as an office monitoring station including:
  - Mobile GPS receivers.
  - Communication system.
  - Field equipment mounted computers.
  - A software package capable of analyzing GPS data to show density achieved; wheel patterns traveled; northing and easting; and elevation, relative to the landfill construction plan contained in the system memory.
  - All necessary cabling, wiring, hardware mounts, antennas and repeaters.\_\_\_\_\_ Yes \_\_\_\_\_ No  
If No, Detail \_\_\_\_\_
  
2. The software shall have the ability to control grade, show compaction patterns as color-coded wheel tracks, indicating path of travel and surface deflection. The software shall have the capabilities of showing the operator the boundaries for planned airspace, including grading and slopes. Surface deflection, as illustrated with color change in wheel tracks, shall be based on change in machine elevation and layer thickness. Pass counting systems are not acceptable.  
\_\_\_\_\_ Yes \_\_\_\_\_ No  
If No, Detail \_\_\_\_\_
  
3. The software should have an integrated 3D Visualizer to view the project as an interactive 3D model.  
\_\_\_\_\_ Yes \_\_\_\_\_ No  
If No, Detail \_\_\_\_\_
  
4. Software shall provide a Cloud-Based platform. The system should operate so that data can be accessible from remote locations in real time.  
\_\_\_\_\_ Yes \_\_\_\_\_ No  
If No, Detail \_\_\_\_\_
  
5. All field equipment shall be capable of interfacing with the office computer through a Wi-Fi or cellular data link for further processing of compaction, position data, and archiving.  
\_\_\_\_\_ Yes \_\_\_\_\_ No  
If No, Detail \_\_\_\_\_

6. The GPS equipment shall be fully functional at all points of the landfill. The Vendor shall provide equipment necessary to ensure that the GPS equipment is functional at remote locations and lower elevations of the landfill.  
 Yes  No  
 If No, Detail \_\_\_\_\_
  
7. The software package shall be compatible with Windows 10 or Windows 11 64-bit operating systems.  
 Yes  No  
 If No, Detail \_\_\_\_\_
  
8. All field equipment mounted computers and GPS equipment shall meet MIL-STD-810E for shock, vibration, and acceleration. All equipment shall be heavy duty, designed for mobile equipment use and capable of operating between -22 degrees F and 158 degrees F.  
 Yes  No  
 If No, Detail \_\_\_\_\_
  
9. The software for the compactor and dozers should start up in the morning automatically or by pressing a "power" button, be ready to operate, and shall save data automatically at the end of each day.  
 Yes  No  
 If No, Detail \_\_\_\_\_
  
10. The software system should, at the end of each day, automatically update the true terrain model of the existing grades, be capable of computing cover material, as needed, and compile data to generate a report that will indicate daily machine activity, calculate available airspace, and calculate the daily compacted volume of waste.  
 Yes  No  
 If No, Detail \_\_\_\_\_
  
11. The system must be able to easily import or export surveying data. The system shall be able to import design data and export data collected in a format readable by AutoCAD, DXF, DWG or as a Microsoft Excel format.  
 Yes  No  
 If No, Detail \_\_\_\_\_
  
12. System shall display real-time waste compaction including pass after pass surface deflection measurements to determine when the compactor achieves no appreciable compaction for the latest pass.  
 Yes  No  
 If No, Detail \_\_\_\_\_
  
13. System shall be capable of checking grades, conducting surveys, locating stakes and display cut and fill information.  
 Yes  No  
 If No, Detail \_\_\_\_\_

14. System shall have the ability for the operator to establish and record points with user defined text descriptions, actual elevation, and actual location (northing and easting).  
 \_\_\_\_\_ Yes \_\_\_\_\_ No  
 If No, Detail \_\_\_\_\_
15. The software shall allow for the addition of areas to warn equipment operators of hazards. When equipment passes into a hazard area, the equipment should notify the operator and log the information for later retrieval.  
 \_\_\_\_\_ Yes \_\_\_\_\_ No  
 If No, Detail \_\_\_\_\_
16. System shall perform basic diagnostics and troubleshooting via software.  
 \_\_\_\_\_ Yes \_\_\_\_\_ No  
 If No, Detail \_\_\_\_\_
17. System shall have the capability of being transferred to additional onsite dozers  
 \_\_\_\_\_ Yes \_\_\_\_\_ No  
 If No, Detail \_\_\_\_\_
18. Entire system and each mobile component shall be usable in any brand of standard construction equipment.  
 \_\_\_\_\_ Yes \_\_\_\_\_ No  
 If No, Detail \_\_\_\_\_
19. Landfill equipment monitors shall be 7 inches with touchscreen displays that are visible under high light and low light working conditions.  
 \_\_\_\_\_ Yes \_\_\_\_\_ No  
 If No, Detail \_\_\_\_\_
20. System shall have the ability for the operator and the office staff member to input/create multiple flat and incline plane designs independently.  
 \_\_\_\_\_ Yes \_\_\_\_\_ No  
 If No, Detail \_\_\_\_\_
21. The system should be equipped with a dual-heading antenna to allow for vehicle heading information without additional operator input.  
 \_\_\_\_\_ Yes \_\_\_\_\_ No  
 If No, Detail \_\_\_\_\_
22. The system should come equipped with a sensor to measure pitch and roll. This information should be displayed in a value on the main screen of the system. This information should also be reflected in a visual representation on equipment monitor.  
 \_\_\_\_\_ Yes \_\_\_\_\_ No  
 If No, Detail \_\_\_\_\_

23. The Vendor agrees to the Delivery and Setup; Service; Training; Warrantee; and Performance Bond requirements outlined in the Request for Bids.

\_\_\_\_\_ Yes \_\_\_\_\_ No

If No, Detail \_\_\_\_\_

24. The Vendor agrees to the Terms and Conditions outlined in the Request for Bids.

\_\_\_\_\_ Yes \_\_\_\_\_ No

If No, Detail \_\_\_\_\_

**Vendor Pricing**

The Vendor shall, at its sole cost and expense, provide, perform and complete in the manner described and specified in this Request for Bids all necessary labor, services, transportation, equipment, materials, apparatus, information, data, freight and other items necessary to accomplish the Project as defined below, in accordance with the requirements described in this document. The Services will also include procuring and furnishing all approvals and authorizations, permits, and certificates and policies of insurance as specified herein necessary to complete the Project.

Description of Services	Firm Fixed Price
Price for Compactor GPS System (price shall include delivery, setup/installation, 3-year warrantee, performance bond, and additional equipment for transferring the system to backup pieces of equipment)	\$
Price for Dozer GPS Systems (including delivery, setup/installation, 3-year warrantee, performance bond, and additional equipment for transferring the system to backup pieces of equipment)	\$
Onsite Training	\$

Name of Company: \_\_\_\_\_

Company Address: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_

Date: \_\_\_\_\_