



SEDGWICK COUNTY, KANSAS
DIVISION OF FINANCE
Purchasing Department

www.sedgwickcounty.org/purchasing

604 N. Main, Suite F

Wichita, KS 67203 Telephone (316) 660-7255

Fax (316) 383-7055

Request for Bid
06-0132
GPS SYSTEM AND ACCESSORIES

October 13, 2006

Sedgwick County, Kansas (hereinafter referred to as County) will accept bids for two (2) LEICA GRX 1200 GG Pro CORS Stations with AX1202 GG GPS Antennas and one (1) GPS 1200 ATX1230 GG Smart Rover Balanced, all on the pole Rover Kit with Data Collector (modem and radio) for the Sedgwick County Public Works Department.

Carefully review this Request for Bid. It provides specific technical information necessary to aid participating firms in formulating a thorough response. Should you elect to participate, **complete two (2) signed copies of the entire document and return to Sedgwick County Purchasing Department, 604 N. Main, Suite F, Wichita, KS 67203, NO LATER THAN, 1:45 p.m., (CDT), Tuesday, October 31, 2006.** Bids must be sealed in an envelope and marked with the firm name and address, bid number and bid open date. The County will not accept bids with insufficient postage or collect on delivery.

Responses to this Request for Bid will be opened and read aloud at a public meeting. You or your representatives are welcome to attend.

Late or incomplete bids will not be accepted and will not receive consideration for final award.

Kim Hamilton
Purchasing Agent

1. MINIMUM MANDATORY REQUIREMENTS

The following requirements are provided to assist bidders in completing a thorough response for services outlined in this document. **Specific responses to each item must be provided in the bid.** *All requirements are minimum unless otherwise noted.* The successful bidder will provide a solution, which meets or exceeds the following requirements:

1. Include a list of all software and hardware with specifications and brochures.
2. Cost will include unlimited on-site training and training materials.
3. Cost will include implementation of the proposed system.
4. Cost will include unlimited on-site maintenance associated with the proposed system.
5. Describe equipment and software warranty and if extended warranty is available. Warranty should cover all parts, hardware, software and labor.
6. Provide hardware that is new, not used or reconditioned.
7. Provide software that is the most current release supported.
8. Provide detailed information on software upgrades.
9. Provide your customer/technical support hours, expected on-site response time.
10. All hardware, software and network configurations must be fully compatible with the existing Leica CORS Reference Station in Wichita.
11. Provide recommended workstation specifications in order to run the proposed software.

2. SPECIFICATIONS

CORS GPS RECEIVER SPECIFICATIONS

The specifications below outline the requirements for a dual frequency (L1/L2) GPS receiver for reference station purpose.

Physical Size of GPS Receiver

The maximum dimensions, must be 165cm W x 7.2 cm H x 20.5cm D (6.5"W x 2.8"H x 8.1"D)

Weight

Unit Weight must be no more than 2.75.1bs (1.25kg)

Environmental Requirements

1. The GPS antenna and receiver must be rugged and suitable for use in field environments that may be hot, cold, wet or dusty.
2. The GPS receiver must be made of tough lightweight - plastic.
3. The GPS antenna must be shockproof for a drop onto a hard surface from a height of 1 m (3.2ft) tested to 40G random using Dome & Margolin C-146 element IGS/JPL.
4. The GPS receiver vibration levels must sustain for one hour on each axis using MIL-810 levels for 3 shocks each axis, each direction (total of 18 shocks) while operating.
5. The GPS receiver must operate within the following environmental extremes without sustaining damage.
6. Operating temp of the GPS receiver: -20degree to +55 degree C. The GPS receiver must be not less than 100% condensing humidity proof.
7. Passes MIL-SPEC-810E for wind driven rain, snow, dust and sand. Able to be submerged to 1m (3.2ft) Waterproof tested to IPX3 Protection classification.

8. The GPS receiver must be able to be transported or stored in the following temperature range without sustaining damage to the equipment. Storage temp of the GPS receiver: -40 degrees to +75 degrees C.
9. The GPS receiver must be buoyant in water.
10. The GPS receiver electronics must be fully sealed from sand, dust, and moisture. The connectors must be of a type that when connected are fully sealed, integral dust caps must be provided if the connector is not fully sealed when no cable is connected.
11. The receiver must have a standard TNC-type antenna port.

Power

1. The receiver must have a nominal 10.5-28 VDC with over-voltage protection.
2. The Receiver must be able to continually track GPS satellites and log data down to 9.2 volts dc.
3. 4 DC power inputs are required.
4. Power input of up to 28 VDC must be possible without sustaining receiver damage.
5. The GPS receiver must have power consumption not exceeding 4.2W @ 12V.

Intelligent Power Management

1. The system must turn on automatically when connected to a 10 VDC source after power fail.
2. The system must have four fully programmable external power ports for multiple power input and data output.
3. The system must automatically swap between power sources due to a low battery voltage, or battery removal, without any effect on satellite tracking and must not interrupt the data logging and RTK broadcasting.
4. It must be possible to power on/off the system remotely by PC control software.

Detail level for Intelligent Power Management

1. After a power failure the system must restart with the same settings and configurations that were used before the power failure, recovery must be without need for user intervention.

Power output

1. The GPS receiver power supply must be able to supply at least 0.4 A. The GPS receiver output power must range 5 –12 V.

GPS Receiver Memory Requirements Internal Data Storage

1. The GPS receiver must have internal removable data storage, fully protected from sand, dust, moisture and 100% non-condensing humidity proof.
2. The internal removable memory must be 256 Mbytes or larger and able to log L1/L2 data continuously for >5 days ie: 120 hours @ 12Svs and storing at 0.05 second intervals.
3. Data must be stored in flash memory, so that no battery backup is required for the data storage memory.
4. Flashcard must be able to contain preprogrammed application files to the GPS receiver.
5. Flashcard must be able to contain GPS receiver firmware upgrade and be able to load upgrade in no more than 120 seconds.
6. When data is deleted using an external PC, the files must be recoverable at a later date if the memory has not been used for storage of new data. The reuse of data storage by previously deleted files must be on a first in first out basis. The system must never automatically delete files.
7. GPS receiver memory Ring Buffer Technology must be on Board and functioning at separate sampling interval than main memory logging.

GPS Antenna

Geodetic Choke-ring GPS antenna

1. The GPS antenna must be capable of receiving both L1 (1575.42Mhz) and L2 (1227.6MHz) Frequencies.
2. The GPS antenna must weigh no more than (10.84 lbs).
3. The GPS antenna maximum dimensions should be no greater than dia. 34.3cm x 7.6cm H (dia. 13.5" x 3.0"H).
4. The GPS antenna must operate in the following temperature range -40 degrees C to +75 degrees C.
5. The GPS antenna must be able to be transported and stored in the following temperature range - 40 degrees C to +75 Degrees C.
6. The GPS antenna must pass the following environmental standards MIL-810-F Figure 514.5c-17 vibration levels on each axis, shock tested table MIL-810-F Table 516.5 1 a 2m (6.56ft) drop.
7. The GPS antenna must be sealed and 100% humidity proof against dust, wind, rain, sand and snow.
8. The antenna must have a standard N-type port at antenna base.
9. The GPS antenna must have a 4-point antenna feed for sub-millimeter phase center error and enhanced right-hand circular polarization.
10. The GPS antenna should provide low elevation tracking technology.
11. The GPS antenna must have horizontal phase center stability of < 1mm precision.
12. The antenna must have a ground plane at least 30cm (11.8") in diameter to reduce ground based Multipath.
15. The GPS antenna must be IGS/JLP compatible and have calibration model available on the NGS web site.
16. The US NGS shall have calibrated the antenna. The phase center variation as a function of elevation shall not exceed 1 mm. The average rms of the phase center measurements for 3 antennas must be 0.1 mm or better.
17. The GPS antenna must have a LNA with 4.75 volts DC or lower power requirements and provide lower than 25-db gain on L1 and 26-db gain on L2. Required for low noise input into the receiver.
18. The GPS antenna must be fully nitrogen purged and pressurized with pressure relief valve.
19. The GPS antenna must have North alignment indicated and a suitable mark for backsighting.
20. The GPS antenna must have a hemispherical radome cover for protection.

Interfaces

1. The GPS receiver must have four RS232 ports for serial input/output and data collector control.
2. The GPS receiver Ports must be programmable for Console or Data mode.
3. The receiver shall have a minimum of four RS-232 serial communication ports capable of downloading GPS data files or streams at rates up to 115,200 bps. A fourth port must be available for controlling the receivers.
4. The GPS receiver must have four external ports available for power input.
5. Each port on the receiver must be able to provide power and RS-232 data.
6. Dedicated RJ45 Ethernet port on board receiver, with 3 Individual IP-address range filter for each logical IP port for Ethernet security.
7. The GPS receiver must have at least one console port for data transfer capable of handling 1 megabit per second and directional commands.
8. The GPS receiver must have three ports capable of handling baud rates up to 115,200.
9. The GPS receiver must have flow control on at least two ports.
10. The GPS receiver must be cable of 1pps output.
11. The GPS receiver must be capable of receiver event mark information.
12. The GPS receiver must have a port for external frequency oscillator.

13. The GPS receiver must have at a minimum a 10 to the minus 6 (10E-6) (TCXO) temperature controlled internal oscillator.
14. The GPS receiver must be able to accept meteorological and Tiltmeter data input through one of the four RS-232 ports.
15. The GPS receiver must be able to time tag the met and tilt data.
16. The GPS receiver must be able to simultaneously output the me/tilt data, and record it to internal memory
17. The GPS receiver must have a TNC connector for antenna cable connection
18. The GPS receiver must be able to track and function normally with a minimum of 85 meters of LMR400 cable and no line amplifier.
19. The GPS receiver must be able to connect to Cellular, Spread spectrum, PCS, and GSM technologies via single cable and be fully programmable.

Display

1. System must have a method for indicating the following information without requiring a separate hand held unit.
 - A. The system receiver must indicate the supplied power on.
 - B. The system must indicate if memory is functioning.
 - C. The system receiver must indicate that satellites are being tracked.
 - D. When a hand held unit is not being used, the system receiver must indicate if data is being logged into the internal memory. Keyboard.
 - E. The GPS receiver must have one power on key.
 - F. Simple one key power on must be available.

Regulations (that must be displayed)

United States of America, the receiver must be Class B Part 15 FCC certification

Canada certified by the Canadian Federal Communication Commission (FCC)

European Certification CE Mark approved

GPS Signal Tracking

1. The receiver shall feature automatic tracking of all satellites in view and must have 12 channels. Receiver must be capable of recovering all four GPS observables (L1: CA Code, L1 Carrier Phase, L2 Carrier Phase, and L2 P-Code). The GPS receiver must function continuously without data interruption to an elevation mask of 5 degrees.
2. When Anti-Spoofing (A/S) (P-code encryption) is activated, the receiver must measure L1 C/A pseudo ranges, L2 range measurements and the full cycle L1 and L2 carrier phases.
3. The GPS receiver must provide unfiltered and unsmoothed pseudo range data for low noise, low multipath error, low time delay correlation and high dynamic response.
4. The performance of the system must not be lower during times when A/S is activated, compared to during times when A/S is not activated.
5. Extremely low noise C/A code tracking technology and multipath Mitigation techniques are required in the receiver, equivalent to ClearTrack.
6. Time from power on to acquisition of all L1 and L2 signals available: <30 seconds (with recent Ephemeris).
7. Re-acquisition time of all L1 and L2 signals in view after an interruption in visibility <15 seconds.
8. Signal-to-noise (SNR) ratio values must be reported for L1 and L2 tracking for all satellites, in Decibel /Hz (dB/Hz) referenced to a 1 Hz bandwidth and mapped against elevation for meaningful analysis.
9. SNR values must be reported on the same units for L1 and L2 and using the same algorithm SNR values must be available both via the visual display and via ASCII output in real time.

10. MP1 and MP2 Tracking Statistics (NGS/Unavco TEQC values)—In the elevation range 90-10°, 10°-5° the receiver must have MP1 and MP2 values of less than 0.2 m. In the elevation range 5°- 0° the receiver must have MP1 and MP2 values of less than 1.0 m.
11. Observations per Slip (NGS/Unavco TEQC values)—Over the elevation range 90°- 0° the receiver should have greater than 40,000 observations per slip (total number of observations recorded divided by the combined MP1/MP2 slips). In the 10°- 5° and 5°- 0° elevation ranges the receiver must have less than 0 .5% IOD slips.
12. Receivers must be able to track 12 channels L1 and 12 channels L2. Receivers must track satellites to an elevation angle of 0°. Receivers must simultaneously log 15 sec and 10 Hz data and stream. Cross correlating type receivers are not acceptable.

Channels

1. The GPS receiver must be able to track 12 satellites L1 and L2 simultaneously.
2. The GPS receiver must have a total of 24 channels.

RF Section

The GPS receiver must use multibit aided analog to digital (A/D) sampling. The GPS receiver must have technology that enhances low power satellite signal acquisition. This technology must increase the GPS receiver's ability to maintain a firm lock on signals once acquired. It must provide improved tracking in areas of high radio interference such as under power lines, around airports, and near radio-intensive construction sites. The technology must also increase the ability to work near trees due to minimal signal lock loss.

1. The receiver must use SAW filter technology. This must not require any additional hardware or firmware options or the use of an additional antenna.

Precision requirements

Measurement Accuracy

1. When the correct number of satellites are visible, there are minimal or no obstructions, there is minimal Multipath or Ionospheric activity and the reference station position is correct, the system must perform as specified.
 - L1 Carrier Phase: 0.2mm RMS, 1sec
 - L1 C/A code: < 20 mm RMS, 1 sec
 - L2 Carrier Phase 0.2 mm RMS, 1 sec
 - L2 P code < 20 mm RMS, 1 sec
2. The GPS receiver broadcast data must have the following precisions at the Field Rover:
 - Rover Static/Fast Static precisions:
 - Horizontal Accuracy 5mm + 0.5 ppm (x baseline length) RMS,
 - Vertical Accuracy 10mm + 0.5 ppm (x baseline length) RMS

Connectivity Requirements

1. The GPS receiver must be able to connect to Cellular, Spread spectrum, PCS, and GSM technologies via single cable and be fully programmable.

Operational requirements

Logging

1. The GPS receiver must be capable of logging data at operator-selected intervals of 0.05, 0.1, 0.2, 0.5, 1, 2, 5, 10, 15, 30 and 60 seconds.
2. When used without an external controller the system must log at the rate preprogrammed by the user for static processing.
3. The GPS receiver must automatically return to default parameters (i.e. elevation mask, PDOP mask) when powered on.
4. The Receiver must have fully programmable and independent Ring Buffer technology.

Techniques

1. When used without a hand-held controller, data collected must be able to be processed as Static or continuous Kinematics data within the manufacturer’s centimeter level processing system.

Other requirements Message Types

At least 12 NMEA type sentences must be supported, including the following NMEA message types: GGA, GST, GSV PTNL, GGK, PTNL, GGK_SYNC, PTNL PJK, PTNL, VGK, VHD, VTG, ZDA, HDT, RTCM Version 2.2 RTK output must be standard with the system

Software programs that the receiver must function with and support

1. The GPS receiver must support Spider.
2. The GPS receiver must support IRONet.
3. The GPS receiver must support CRNet.
4. The GPS receiver must support SAPOS.
5. The GPS receiver must support LB2 RTK.
6. The GPS receiver must support OWI.
7. The GPS receiver must support CMR2 and CMR+ Documentation.
8. The GPS receiver must come with an Operation manual for receivers.
9. Other documentation for operation of the receiver must also be included.

3. TRADE-IN (OPTIONAL)

Below is a list of equipment that the County desires trade-in toward the proposed Leica GPS System purchase. Vendors are to submit trade-in pricing for all, some or none of the items listed below. The County reserves the right to select all, some or none of the trade-in options.

1. Sokkia SK502 Receiver
2. Sokkia Radian IS Receiver
3. DAP Data Collector

4. REQUEST FOR BID CONDITIONS

In submitting a response to this Request for Bid, vendors hereby understand the following:

1. Pricing offered in the bid document will be provided to other local governments and governments whom Sedgwick County regularly enters into cooperative agreements.
2. Sedgwick County reserves the right to reject any and/or all bids and responses to these and/or related documents, to accept any item(s) in the bids, to waive any irregularity in the bids, and further if determined to be non-responsive in any form, or if determined to be in the best interest of Sedgwick County.
3. Alternate bids (two or more bids submitted) will be considered for an award. Sedgwick County reserves the right to make the final determination of actual equivalency or suitability of such bids with respect to requirements outlined herein. The bids submitted, and any further information acquired through interviews, will become and is to be considered a part of the final completed contract. If there is any variance or conflict, the bid specifications will control.
4. Bidders MUST return, completed copies of the entire document to the Sedgwick County Purchasing Department, 604 North Main, Suite F, Wichita, KS 67203-3703, on or before the date and time specified. Bids must be sealed in an

- envelope and marked with the firm name and address, bid number, bid opening date, and bid opening time. The time clock stamp, located in the Sedgwick County Purchasing Department will determine the time of receipt.
5. All project participants, consultants, engineers, and contractors, must comply with all applicable Federal, State and County laws pertaining to contracts entered into by governmental agencies, including non-discriminating employment.
 6. Bids submitted may not be withdrawn for a period of 60 days immediately following the opening of this Request for Bid. Prices MUST be free of federal, state, and local taxes unless otherwise imposed by a governmental body, and applicable to the material on the bid.
 7. Sedgwick County interprets the term "Lowest Responsible Bidder" as requiring Sedgwick County to: (a) choose between the kinds of materials, goods, wares, or services subject to the bid, and (b) determine which bid is most suitable for its intended use or purpose. Sedgwick County can consider, among other factors, such things as the availability of service(s), part(s) material(s) and/or supply(s), maintenance and labor cost of items upon which bids are received.
 8. All requested information must be supplied. If you cannot respond to any part of this request, state the reason you cannot respond. You may provide supplemental information to assist Sedgwick County in analyzing your bid.
 9. If the supplier refuses or fails to make deliveries of the materials within the times specified on the face of the Request for Bid or purchase order, Sedgwick County may, by written notice, terminate the contract or purchase order.
 10. The supplier will certify and warrant that goods, personal property, chattels, and equipment sold and delivered are free and clear of any and all liens, or claims of liens, for materials or services arising under, and by virtue of the provisions of K.S.A. Sections 58-201, et seq., and any other lien, right, or claim of any nature or kind whatsoever.
 11. The successful bidder will hold and save Sedgwick County, and its officers, agents, servants/employees harmless from liability of any patented, or unpatented invention, process, article, or appliance manufactured, or used in the performance of the contract, including its use by Sedgwick County.
 12. All items furnished, if applicable, must be the best of their respective kinds, and will be free from defects in material and workmanship. Items will be subject to County inspection and approval at any time within 30 days after delivery. If a substitution is made, it will be the decision of a Sedgwick County representative to determine if it is of equal quality. Items furnished must be manufactured in compliance with all existing legal or governmental directives.
 13. All items must be properly packed, if applicable, to insure delivery in good condition, and in accordance with instructions listed on the face of the Request for Bid or purchase order, if any.
 14. Contracts entered into on the basis of submitted bids are revocable if contrary to law.
 15. The Bidder agrees to comply with K.S.A. 44-1030.
 - a. The contractor shall observe the provisions of the Kansas act against discrimination and shall not discriminate against any person in the performance of work under the present contract because of race, religion, color, sex, disability, national origin or ancestry;
 - b. In all solicitations or advertisements for employees, the contractor shall include the phrase, "equal opportunity employer," or a similar phrase to be approved by the commission;
 - c. If the contractor fails to comply with the manner in which the contractor reports to the commission in accordance with the provisions of K.S.A. 44-1031 and amendments thereto, the contractor shall be deemed to have breached the present contract and it may be canceled, terminated or suspended, in whole or in part, by the contracting agency;
 - d. If the contractor is found guilty of a violation of the Kansas act against discrimination under a decision or order of the commission which has become final, the contractor shall be deemed to have breached the present contract and it may be canceled, terminated or suspended, in whole or in part, by the contracting agency; and
 - e. The contractor shall include the provisions of subsections (a) through (d) in every subcontract or purchase order so that such provisions will be binding upon such subcontractor or vendor.
 16. The vendor responding to this bid solicitation proposes to furnish all materials, labor, supplies, equipment and incidentals necessary to provide the equipment/materials/services described herein in accordance with the Notification of Solicitation (if applicable), Request for Information (if applicable), Request for Bid, Addenda, Contract, Bonds, Insurance, Plans, Specifications, Mandatory Requirements and Conditions.
 17. It will be understood that the bidder's sureties and insurers are subject to the approval of the County.
 18. Upon award, the bidder agrees to execute and deliver to the County a contract in accordance with the contract documents (if applicable) within ten days of notice of the award to the bidder. The bidder agrees that the surety/deposit given concurrently herewith will become the property of the County in the event the bidder fails to execute and deliver such contract within the specified time. In the further event of such failure, the bidder will be liable for the County's actual damages that exceed the amount of the surety.
 19. It will be understood that time is of the essence in the bidder's performance. The bidder agrees that the County's damages would be difficult or impossible to predict in the event of a default in the performance hereof; and it is therefore agreed that if the bidder defaults in the performance of the contract documents, the bidder will be liable for payment of the sums stipulated in the contract documents as liquidated damages, and not as a penalty.
 20. The bidder hereby certifies that he or she has carefully examined all of the documents for the project, has carefully and thoroughly reviewed this Request for Bid, has inspected the location of the project (if applicable), and understands the

nature and scope of the work to be done; and that this bid is based upon the terms, specifications, requirements, and conditions of the Request for Bid documents. The bidder further agrees that the performance time specified is a reasonable time, having carefully considered the nature and scope of the project as aforesaid.

21. It will be understood that any bid and any and/or all referencing information submitted in response to this Request for Bid will become the property of Sedgwick County, and will not be returned. As a governmental entity, Sedgwick County is subject to making records available for disclosure after Board of County Commission approval of the recommendation.
22. Sedgwick County will not be responsible for any expenses incurred by any vendor in the development of a response to this Request for Bid including any onsite (or otherwise) interviews and/or presentations, and/or supplemental information provided, submitted, or given to Sedgwick County and/or its representatives. Further, Sedgwick County will reserve the right to cancel the work described herein prior to issuance and acceptance of any contractual agreement/purchase order by the recommended vendor even if the Board of County Commissioners has formally accepted a recommendation.
23. By submission of a response, the bidder agrees that at the time of submittal, he or she: (1) has no interest (including financial benefit, commission, finder's fee, or any other remuneration) and will not acquire any interest, either direct or indirect, that would conflict in any manner or degree with the performance of bidder's services, or (2) benefit from an award resulting in a "Conflict of Interest". A "Conflict of Interest" will include holding or retaining membership, or employment, on a board, elected office, department, division or bureau, or committee sanctioned by and/or governed by the Sedgwick County Board of County Commissioners. Bidders will identify any interests, and the individuals involved, on separate paper with the response and will understand that the County, at the discretion of the Purchasing Director in consultation with the County Counselor, may reject their bid/quotation. The bidder certifies that this bid is submitted without collusion, fraud or misrepresentation as to other bidders, so that all bids for the project will result from free, open and competitive bidding among all vendors.
24. Unless specified otherwise, all items bid are to be as a minimum but not necessarily limited to: new, current model year, and untitled prior to shipping and/or installation.
25. Sedgwick County will issue a purchase order/contract for the acquisition of products/services specified as a result of an award made in reference to this document. Contract documents will be subject to any regulations governed by the laws of the State of Kansas and any local resolutions specifically applicable to the purchase.
26. Any dispute arising out of the contract documents or their interpretation will be litigated only within the courts of the State of Kansas. No prepayment of any kind will be made prior to shipment. Payment will be made upon verification of delivery, compliance with specifications, assurance that the product/service performs as specified and warranted, and receipt of correct invoicing.
27. The bidder must provide Sedgwick County with a toll-free telephone number, or accept collect calls. A FAX number should also be provided if available. Information regarding the procurement process may be obtained from the Sedgwick County Purchasing Department, 604 North Main, Suite F, Wichita, KS 67203-3703, (316) 660-7255.
28. Sedgwick County will accept responses transmitted via a facsimile unless stated to the contrary within this document. Bids must be received prior to the time and dates listed to be considered responsive. Sedgwick County will not accept late responses and will return them to the sender. Further, Sedgwick County will NOT: (1) guarantee security of the document received; (2) be held responsible for Bids which are NOT legible (and may choose to reject such responses); and, (3) guarantee that the receiving facsimile machine will accept transmission or that phone lines are functioning and available for transmission. Submitting a bid response via facsimile does NOT relieve the bidder of: (1) responsibilities stated in the document (such as attendance at a mandatory pre-bid conference); (2) providing non-paper informational items which must be returned with the response (diskettes, large drawings, photographs, models, etc.); and, (3) providing original copies of bid sureties (bonds, certificates of insurance, etc.).

**RESPONSE FOR BID FORM
#06-0132**

TRADE-IN INFORMATION (OPTIONAL)

I/We _____, offer the following trade-in pricing for the following product(s) described herein with the following costs:

| Item | Description | QTY | Pricing / EA |
|---|---------------------------|-----------|--------------|
| 1. | Sokkia SK502 Receiver | 1 ea | \$ |
| 2. | Sokkia Radian IS Receiver | 1 ea | \$ |
| 3. | DAP Data Collector | 1 ea | \$ |
| | Grand Total | \$ | |
| Trade-In is optional for the County. The County may select to trade-in all, one or none of the items. | | | |

Pricing Matrix for New Equipment

| Item | Quantity | Description | Price per Unit | Extended Price | Comment |
|------|----------|--|----------------|----------------|---------|
| 1 | 2 Each | LEICA GRX 1200 GG Pro CORS Stations with AX1202 GG GPS Antennas | | | |
| 2 | 1 Each | GPS 1200 ATX 1230 GG Rover Balanced All on the pole Rover Ki with Data Collector (modem and radio) | | | |
| 3. | | Training | | | |
| 4. | | Maintenance/Support | | | |
| 5. | | Shipping/Installation | | | |
| | | Grand Total | \$ | \$ | |

Pricing to be FOB, Prepaid, and Destination.

Delivery:

Delivery date after receipt of order _____ Calendar days.

Delivery address: Sedgwick County Public Works
1144 S. Seneca
Wichita, KS 67213

For any information concerning this Request for Bid, contact Tricia Robello at 316-383-7901.

Bid Response Form
06-0132
GPS SYSTEM AND ACCESSORIES
FOR PUBLIC WORKS DEPARTMENT

The undersigned, on behalf of the Bidder, certifies that: (1) this offer is made without previous understanding, agreement of connection with any person, firm or corporation making a quotation on the same project; (2) is in all respects fair and without collusion or fraud; (3) the person whose signature appears below is legally empowered to bind the firm in whose name the Bid is entered; (4) they have read the complete Request for Bid and understand all provisions; (5) if accepted by the County, this bid is guaranteed as written and amended and will be implemented as stated; and (6) mistakes in writing of the submitted bid will be their responsibility.

FIRM NAME _____

CONTACT _____

SIGNATURE _____ TITLE _____

PRINT NAME _____

ADDRESS _____ CITY/STATE _____ ZIP _____

PHONE _____ FAX _____

TAXPAYER I.D. NUMBER _____

COMPANY WEB SITE ADDRESS _____ E-MAIL _____

TYPE OF ORGANIZATION (CHECK ONE)

CORPORATION ___ PUBLIC ___ PRIVATE ___ SOLE PROPRIETORSHIP ___ PARTNERSHIP ___

MINORITY BUSINESS ENTERPRISE ___ WOMAN-OWNED ENTERPRISE ___ SMALL BUSINESS ENTERPRISE ___

GENERAL NATURE OF BUSINESS _____

MANUFACTURER ___ DISTRIBUTOR ___ RETAIL ___ DEALER ___ SERVICE ___

WE ACKNOWLEDGE RECEIPT OF ADDENDUMS: All addendum(s) are posted to our RFQ/RFP web page and it is the vendor's responsibility to check and confirm all addendum(s) related to this document by going to www.sedgwickcounty.org/purchasing .

NO ___ DATED; NO ___ DATED; NO ___ DATED.

In submitting a response to this document, vendor acknowledges acceptance of all sections of the entire document and has clearly delineated and detailed any exceptions within this document.

Signature _____ Title _____