

BOARD OF COMMISSIONERS
SARPY COUNTY, NEBRASKA
RESOLUTION AWARDING BID FOR PURCHASE OF GPS SURVEY EQUIPMENT
FOR THE PUBLIC WORKS DEPARTMENT

WHEREAS, pursuant to Neb. Rev. Stat. §23-104(6) (Reissue 2007), the County has the power to do all acts in relation to the concerns of the County necessary to the exercise of its corporate powers; and,

WHEREAS, pursuant to Neb. Rev. Stat. §23-103 (Reissue 2007), the powers of the County as a body are exercised by the County Board; and,

WHEREAS, bids for the purchase of GPS survey equipment have been solicited, made, opened and reviewed pursuant to applicable Nebraska State Statutes; and,

WHEREAS, based on those proceedings, and after a public hearing, this Board has duly deliberated and considered the bids received; and,

WHEREAS, this Board desires to proceed forthwith in order to expedite and facilitate service to the citizens of Sarpy County.

NOW, THEREFORE, BE IT RESOLVED BY THIS BOARD OF COUNTY COMMISSIONERS THAT:

- (1) The lowest responsible bid of Transit Works for Purchase of GPS Survey Equipment in the amount of Forty Four Thousand Nine Hundred Ninety Dollars (\$44,990.00) is accepted, ratified, and confirmed.
- (2) This Board's Chairman, Clerk, and Attorney are hereby authorized and directed to execute such ancillary documents as may be required to evidence the contract and take any and all steps necessary or required in order to carry out the terms of such contract after said documents have been reviewed by the Attorney, Fiscal Administrator, and County Administrator.

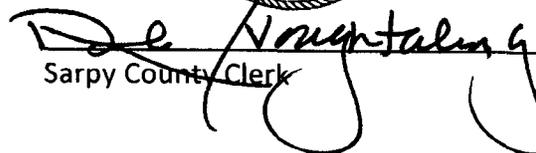
The above resolution was approved by a vote of the Sarpy County Board of Commissioners at a public meeting duly held in accordance with applicable law on the 13th day of December, 2011.



 Sarpy County Board Chairman

ATTEST:





 Sarpy County Clerk



6000 S. 58th Street • Suite A • Lincoln, NE 68516 • 402.421.6100
 10540 Hickman Road • Suite E1 • Des Moines, IA 50325 • 515.270.1156

Name: Deb Houghtaling
Company: Sarpy County Clerk's Office
Address: 1210 Golden Gate Drive
 Papillion, NE 68046
Phone #: 402-593-4476
Subject: Topcon GR-5 GPS GNSS System

Date	10/20/2011
Availability	
Terms	
Shipped Via	
Quoted By	David Hoffart

We are pleased to offer the following quotation for your consideration:

Item	Qty	Stock #	Description	Unit	Retail Price	Ext Retail Price	Price
1	1	99-094903-01	Topcon GR-5 GD Digital UHF Base & Rover System Complete, Including: Tripod, HD Flat Rover Pole, 2 Meter Carbon Fiber HI Tape, Power Supply, Cables & Carry Case	Ea	\$ 33,636.00	\$ 33,636.00	
2	1	99-094902-01	Topcon GR-5 GD UHF Rover w/Digital UHF Radio Including: Rover Pole, 2 Meter Carbon Fiber HI Tape, Power Supply, Cables & Carry Case	Ea	\$ 18,890.00	\$ 18,890.00	
3	2	556205	SHC236 Data Controller w/8 GB Storage	Ea	\$ 2,195.00	\$ 4,390.00	
4	2	8081-58	Clamp, Claw & Cradle f/SHC236	Ea	\$ 150.00	\$ 300.00	
5	2	5559-56	Carlson SurvCE TS/GPS Controller Software	Ea	\$ 1,995.00	\$ 3,990.00	
6	2	5219-03	Seco Bipod, Carbon Fiber	Ea	\$ 289.95	\$ 579.90	
7	2	8143-20	Case, GPS Cell Phone	Ea	\$ 49.95	\$ 99.90	
8	2	148-CSOKTOP	Cable, TS to Controller	Ea	\$ 99.00	\$ 198.00	
						Total Retail Price	\$ 62,083.80
						Transit Works Price	\$ 44,990.00
						Sub-Total	
						Shipping	
						Sales Tax	
						Total	

Thank you for this opportunity to provide a quotation. If you have any questions, please call me at 402-421-6100 or fax me at 402-421-7395.

Prepared By: David Hoffart 10/20/2011

Accepted By: _____

SPECIFICATIONS

Purchase of GPS Survey Equipment For The Public Works Department

SARPY COUNTY, NEBRASKA

PROPOSALS DUE: 2:00 p.m., Thursday, October 20, 2011

General Information

Notice to Vendors

Sarpy County is seeking proposals for the Purchase of GPS Survey Equipment for the Public Works Department.

Sealed bids will be received Monday through Friday 8:00 a.m. to 4:45 p.m. except holidays, until 2:00 p.m., Thursday, October 20, 2011. Bids shall be in a sealed envelope, clearly marked "Sealed Bid - Purchase of GPS Survey Equipment" and shall have the name of the Vendor, and the time and date of the bid opening. **Do not fax bids, only sealed bids will be accepted.**

Submit one (1) original and three (3) copies of the entire Bid Form including attachments along with an electronic copy on a CD or flash drive.

Requests for information and clarification questions must be received by October 11, 2011 at 12:00 P.M. in order for Sarpy County to have time to issue an addendum.

Bidding criteria must be received from Beth Cunard, Purchaser, 1210 Golden Gate Drive, Papillion, NE 68046, (402) 593-4476, bcunard@sarpy.com or via the internet at www.sarpy.com.

Vendors that obtain specifications from the internet sites are responsible for obtaining any addenda that may be added at a later time.

Bids must be sent to:

Deb Houghtaling
Sarpy County Clerk's Office
1210 Golden Gate Drive
Papillion, NE 68046

Bids not addressed and delivered to the above person will not be considered. Bids received after the above stated time and date will not be considered.

Bid opening will be a public opening to be held in the Sarpy County Administrative Conference Room at 1210 Golden Gate Drive, Papillion, NE. The bid opening will be at 2:00 p.m., Thursday, October 20, 2011.

All bids submitted shall be valid for a period of sixty (60) days following the final date for submission of bids.

Sarpy County will not be liable for costs incurred by Vendors for proposal preparation, printing, demonstration, or any other costs associated with or incurred in reliance on proposal creation. All such costs shall be the responsibility of the Vendor.

The bids shall include all charges and applicable taxes, F.O.B., 15100 S. 84th Street, Papillion,

Nebraska. The Vendor need not include sales tax in the bid. Sarpy County will, upon request, furnish the successful Vendor with a completed State of Nebraska Tax Exempt Form 13 upon acceptance of the successful Vendor's proposal.

The Sarpy County Board of Commissioners reserves the right to reject any or all bids and to waive minor informalities.

In the event of conflict between unit price and extended price, unit price shall prevail.

Procedures for Evaluation and Awarding of Bid

1. Evaluation will be done by Beth Cunard, Sarpy County Purchaser along with personnel from the Public Works Department. After evaluation the Purchaser will make a recommendation to the County Board of Commissioners for award. This recommendation and pending award will be made at a public meeting of the Board of Commissioners. Agendas are available each Friday afternoon on our internet site www.sarpy.com. The Commissioners award the bid by majority vote.
2. The following factors will be used to consider the award of the bid, where applicable:
 - a. Compliance with all requirements.
 - b. Price.
 - c. The ability, capability, and skills of the Vendor to perform.
 - d. The character, integrity, reputation, judgment, experience, and efficiency of the Vendor.
 - e. The quality of previous performance.
 - f. Whether the Vendor can perform within the time specified.
 - g. The previous and existing compliance of the supplier with laws.
 - h. The life-cost of the personal property or services in relation to the purchase price and specified use.
 - i. The performance of the personal property or service taking into consideration any commonly accepted tests and standards of product, service, usability and user requirements.
 - j. The energy efficiency ratio as stated by the supplier.
 - k. The life-cycle costs between alternatives for all classes of equipment, the evidence of expected life, the repair and maintenance costs, and the energy consumption on a per year basis.
 - l. Such other information as may be secured having a bearing on the decision.

Terms and Conditions:

1. Information, Discussion, and Disclosures:

- a. Any information provided by Sarpy County to any Vendor prior to the release of this Request for Proposal ("RFP"), verbally or in writing, is considered preliminary and is not binding on Sarpy County.
- b. The Vendor must not make available nor discuss any cost information contained in the sealed copy of the proposal to or with any employee of Sarpy County from the date of issuance of this RFP until the contract award has been announced, unless allowed by the Sarpy County Purchasing Department in writing for the purpose of clarification or evaluation.
- c. No interpretation of the meaning of the specifications, or other bidding documents, nor correction of any ambiguity, inconsistency, or error therein will be made orally to any Vendor.
- d. Every request for such interpretation or correction should be in writing, addressed to the Sarpy County Purchaser, Beth Cunard, 1210 Golden Gate Drive, Papillion, NE 68046 or bcunard@sarpy.com. **Requests must be received by October 11, 2011 in order for Sarpy County to have time to issue an addendum. Requests received after deadline may not be considered.** In case Sarpy County finds it expedient to supplement, modify, or interpret any portion of the bidding documents prior to the proposed bid date, such procedure will be accomplished by the issuance of written addenda to the RFP which will be mailed or delivered to all prospective Vendors at the respective addresses furnished for such purpose.

2. Addenda:

- a. All addenda will become part of this RFP and must be responded to by each Vendor.
- b. All addenda must be acknowledged in writing in the bid submitted by the Vendor.
- c. This RFP, any subsequent addenda, and any written responses to questions take precedence over any information previously provided.

3. Confidentiality of Documents:

Sarpy County considers all information, documentation and other materials requested to be submitted in response to this proposal to be of a non-confidential and/or non-proprietary nature and therefore shall be subject to public disclosure under Neb. Rev. Stat. § 84-712.05(3).

Vendors are hereby notified that Sarpy County strictly adheres to all statutes, court

decisions, and opinions of the Nebraska Attorney General with respect to disclosure of RFP information.

Any "proprietary, trade secret, or confidential commercial or financial" information must be clearly identified, in a separate sealed envelope, at the time of bid/proposal submission. The Vendor will be required to fully defend, in all forums, Sarpy County's refusal to produce such information; otherwise, Sarpy County will make such information public.

4. Non-Discrimination Clause:

Pursuant to Neb. Rev. Stat. §73-102 (Reissue 1996), Vendor declares, promises, and warrants it has and will continue to comply fully with Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C.A. §1985, et seq.), and the Nebraska Fair Employment Practice Act, Neb. Rev. Stat. §48-1101, et seq. (Reissue 2004), in that there shall be no discrimination against any employee who is employed in the performance of this Contract, or against any applicant for such employment, because of age, color, national origin, race, religion, creed, disability or sex.

5. Conflict of Interest Clause:

Pursuant to Neb Rev. Stat. §23-3113 (Reissue 1997), the parties hereto declare and affirm that no officer, member, or employee of the County, and no member of its governing body, and no other public official of the County who exercises any functions or responsibilities in the review or approval of the undertaking described in this Contract, or the performing of services pursuant to this Contract, shall participate in any decision relating to this Contract which affects his or her personal interest, or any corporation, partnership, or association in which he or she is directly or indirectly interested; nor shall any employee of the County, nor any member of its governing body, have any interest, direct or indirect, in this Contract or the proceeds thereof.

6. Payment Terms:

The successful Vendor shall submit an invoice for payment. Sarpy County will make payment to the successful Vendor within thirty (30) days after receipt of invoice and satisfactory delivery.

7. Supplemental Terms and Conditions/Modifications:

Any supplemental terms, conditions, modifications, or waiver of these terms and conditions must be in writing and signed by the Sarpy County Board Chairman and the Vendor.

8. Termination:

Either party may terminate the Contract with ninety (90) days' written notice to the

other.

9. Residency Verification:

The Vendor agrees to comply with the residency verification requirements of Neb. Rev. Stat. §4-108 through §4-114. The Vendor is required and hereby agrees to use a federal immigration verification system to determine the work eligibility status of new employees physically performing services within the State of Nebraska. A federal immigration verification system means the electronic verification of the work authorization program authorized by the Illegal Immigration Reform and Immigrant Responsibility Act of 1996, 8 U.S.C. 1324a, known as the E-Verify Program, or an equivalent federal program designated by the United States Department of Homeland Security or other federal agency authorized to verify the work eligibility status of a newly hired employee.

If the Vendor is an individual or sole proprietorship, the following applies:

1. The Vendor must complete the United States Citizenship Attestation Form, available on the Department of Administrative Services website at www.das.state.ne.us.
2. If the Vendor indicates on such attestation form that he or she is a qualified alien, the Vendor agrees to provide the U.S. Citizenship and Immigration Services documentation required to verify the Vendor's lawful presence in the United States using the Systematic Alien Verification for Entitlements (SAVE) Program.
3. The Vendor understands and agrees that lawful presence in the United States is required and the Vendor may be disqualified or the contract terminated if such lawful presence cannot be verified as required by Neb. Rev. Stat. Sect. 4-108.

10. Breach:

Should Vendor breach, violate, or abrogate any term, condition, clause or provision of this agreement, the County shall notify Vendor in writing that such an action has occurred. If satisfactory provision does not occur within ten (10) days from such written notice the County may, at its option, terminate this agreement and obtain an alternate provider to provide all required materials. This provision shall not preclude the pursuit of other remedies for breach of contract as allowed by law.

11. Assignment:

The Vendor may not assign this Contract without the prior written consent of the County.

12. Subcontracting:

Vendor may not subcontract the work to be performed, without prior written consent of the County. If such consent is granted, Vendor will retain responsibility for all work associated with the Contract. The Vendor must identify any subcontractors it intends to use in the execution of this Contract. The Vendor must identify subcontractors in writing within the proposal.

13. Independent Contractor:

The Vendor shall in the performance of the Contract at all times be an independent contractor and not an employee or agent of the County. The Vendor, its officers, employees and agents shall at no time represent the Vendor to be other than an independent contractor or represent themselves to be other than employees of the Vendor.

14. Indemnity:

The Vendor shall indemnify and save harmless Sarpy County, its officers, employees and agents from all loss, claims, suits or actions of every kind and character made upon or brought against Sarpy County, its officers, employees, or agents, for or sustained by any party or parties as a result of any act, error, omission or negligence of said Vendor or its servants, agents, and subcontractors; and also from all claims of damage in fulfilling this Contract.

Specifications

Sarpy County is seeking proposals for two (2) GPS/GNSS Rover/Base Station Systems/Accessories and Software Package ("The Equipment") for the Sarpy County Public Works Department. Equipment being offered must be of the manufacturer's standard model and must have units in the area for comparison. Vendors must be authorized dealers or manufacturers who can provide parts and service for the area. As an option, Vendors are to provide a trade in value for existing equipment, as described within the proposal.

General Specifications

1. Training:

Vendor to provide one (1) day on-site training for use of The Equipment and software.

2. Trade In:

As an option, Vendors shall list the total trade in allowance for two (2) Trimble 4800 GPS Units on the Bid Form.

3. Maintenance and Support:

Vendor shall provide support and maintenance for the equipment and software. Support shall be multi-layered and multi-tiered and include, but not be limited to, online support, telephone support, web assistance, local distributor support and manufacturer support through a toll free telephone number. Such support and assistance shall be available in a timely manner of up to one business day maximum. Support facilities and approach shall be defined within the proposal along with general equipment and software maintenance. Year one maintenance and support should be incorporated into the first year warranty.

Software shall be upgraded when upgrades are available to keep current with the most recent versions. Should any technological advances occur, such advances shall be communicated to Sarpy County. Said advances shall be provided to Sarpy County upon request.

4. Vendor Demonstrations:

The County reserves the right to hold vendor demonstrations with chosen Vendors during the bidding process at no additional costs. Demonstrations shall include the equipment proposed to the County. Demonstrations shall be on-site.

5. Mandatory Bid Information:

The following shall be incorporated into the proposal:

Company Information

Vendor will provide the following company information on the bid form:

1. Years in business;
2. Number of employees; and,
3. Total sales for last three (3) years.

References

Each Vendor must include with its proposal a list of no less than three (3) current references that have purchased the specified product or service within the last two (2) years. The list must include the name of the company along with the name, phone number, and email of a contact person for each company.

Literature:

Vendor shall attach three (3) sets of detailed specifications or advertising literature of systems to the bid form. Any information necessary to show compliance with these requirements not given on the attached advertised data sheets shall be supplied in writing and attached to the bid proposal. Lack of sufficient information supplied with a proposal is cause for automatic rejection of such bid.

Deviations

Once the bid has been accepted by Sarpy County, no deviations from the specifications will be accepted without prior written approval of Sarpy County.

Exceptions

These specifications are minimum acceptable specifications. You may bid other than what is specified if it is of higher specification than what is requested. Vendor must list any exceptions to the bid specifications on the bid form.

Warranty

A copy of all manufacturer's warranties shall be included in Vendor's proposal.

The Vendor shall warrant all materials, workmanship and equipment against defects for a period of one year beginning on the date of substantial completion except that certain equipment shall be warranted for longer periods as described in manufacturer's warranties.

Technical Specifications

Proposals must meet or surpass the following Specifications:

1. The GPS Rover units shall be a minimum of 72-channel, dual frequency GPS receiver, GPS antenna and data-link radio. It shall be able to pick up the existing L1, L2, L2C, L5, as well as Glonass signals and be equipped to also pick up Galileo Glove-A and Glove-B signals, when available. The receiving unit shall also be capable to pick up the WAAS and EGNOS signals that provide real time differential positioning without a base station. It shall have Bluetooth capability for wireless communication connection and also be able to use a mobile phone module for linking to the data collection system for receiving corrections.

The rechargeable Lithium batteries shall include a charger and holder.

2. Corrections for each system shall be:

Code Differential GPS Positioning

Horizontal	+/- 0.25 m + 1 ppm RMS
Vertical	+/- 0.50 m + 1 ppm RMS
WAAS differential positioning accuracy	Typically <5 m + 1 ppm RMS

Static FastStatic GPS Surveying

Horizontal	+/- 5 mm + 1 ppm RMS
Vertical	+/- 5 mm + 1 ppm RMS

Kinematic Surveying

Horizontal	+/- 10 mm + 1 ppm RMS
Vertical	+/- 20 mm + 1 ppm RMS

Initialization time
Initialization reliability

Typically < 25-30 seconds
Typically > 99.9%

3. The prism pole shall be constructed of light weight composite material to which the antenna shall be mounted and have a detachable bipod. The mounting brackets for both the mobile phone module and the data collector shall be included mounted on the prism pole.
4. A data collector (Trimble, Allegro, Carlson, Topcon, etc) shall be included in this system with Bluetooth capability. It is desired for the ability to operate the new equipment with the existing survey equipment now used by Sarpy County Surveying, Trimble, TSC.

The data collector shall have the necessary program(s) to download the data in a format compatible with the County's software (AutoCad, Autodesk Civil 3D 2007, GIS programs, etc.). Necessary updates for all software to make the raw data exchange as simple and flawless for downloading will be provided for the term of the lease.

5. The data received may have the capability to take digital pictures (5 megapixel) and include an internal compass (easy navigation to points without turning on the whole system) and a memory of up to 8 GB. Vendor to describe digital picture ability within proposal.
6. Operation & GPS System Interface: The proposed GPS/GNSS Rovers, equipment and software shall seamlessly interface with the GPS CORS Stations (Topcon NetG3 GNSS receiver's with PGA antenna and TopNET network software) to be installed in Sarpy County or to be able to work independently of these stations, if needed. Also, the stations shall interface with the software currently in use by the County's Public Works Department.
7. Included shall be any and all necessary miscellaneous equipment, such as extra batteries, cables, weatherproof cover, etc. to make each system completely operational upon delivery.

Equipment should have environmental protection measures including, dust, water, shock, temperature and humidity. Vendor to define such measures within proposal.

Equipment and software shall be user friendly and accessible. LED displays should be viewable in all types of lighting conditions including bright sunlight. Battery power should be sufficient for up to six (6) hours of heavy usage.

EXCEPTIONS/CLARIFICATIONS/COMMENTS

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

COMPANY NAME: TRANSIT Works

Sarpy County, Nebraska
Lease Purchase of GPS Survey Equipment
Bid Form

Item	Quantity	Unit Price	Extended Price
GPS Survey Equipment Package	X	\$	\$ 44,990.00
On Site Training for Equipment & Software	Lump Sum	\$	\$ No Charge
Total Base Bid			\$44,990.00
Option 1: Trade In			
Two (2) Trimble 4800 GPS Units			\$(———)
Option 2: Maintenance & Support			
Year 2			\$ No Charge
Year 3			\$ No Charge

*Prices are to be F.O.B. - 15100 S. 84th Street, Papillion, NE 68046

DELIVERY DATE: 10-15 DAYS ARO

PROPOSED TRAINING DATE: 10-15 DAYS ARO

Company Information:

Years in business:

25 YEARS

of employees

5 for Surveying Products

Total sales last 3 years

5 million

References:

Company Name: City of Omaha
Address: 1819 FARNAM ST OMAHA NE 68183
Contact Name: Tom Glow Phone Number: 402-444-5279
Fax Number: 402-444-5264 Date of Purchase: 2008
Email: tglow@ci.omaha.ne.us

Company Name: Union Pacific Railroad
Address: 1900 Douglas ST 910 Omaha, Ne 68179
Contact Name: PAT LEE Phone Number: 308-535-4986
Fax Number: 402-501-0478 Date of Purchase: 2009
Email: PLee@UP.COM

Company Name: City of Lincoln - Lincoln Electric
Address: 2620 FAIRFIELD LINCOLN NE 68521
Contact Name: GLENN NEEMANN Phone Number: 402-467-7637
Fax Number: 402-467-7601 Date of Purchase: 2008
Email: gneemann@hes.com

I certify that this bid is submitted in accordance with the specifications issued by Sarpy County.

I acknowledge receipt of the following addenda (if applicable):

Addendum #1 [Signature]
Addendum #2 [Signature]

Attachments: Literature/Cut-sheets
Warranty Information

TRANSIT WORKS
Company Name
[Signature]
Authorized Signature

6000 S 58th St Ste A
Address

Lincoln NE 68516
City, State & Zip

DAVID HOFFART
Company Representative (Please print)

402-421-6100
Telephone Number

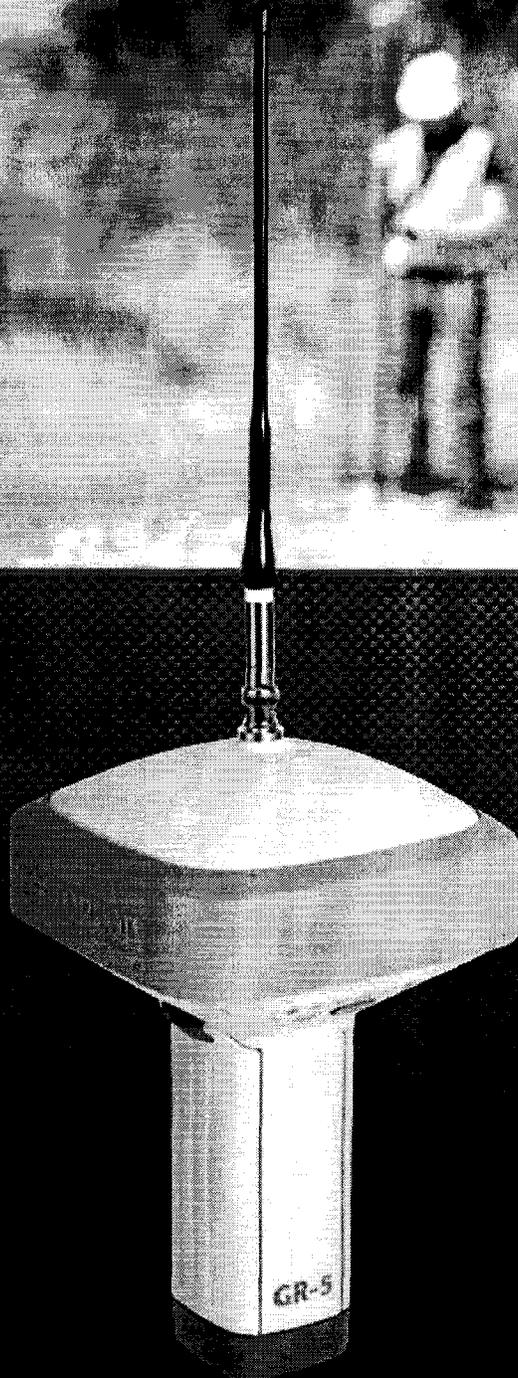
402-421-7395
Fax Number

transitworks@windstream.net
E-Mail Address

***NOTE: Sarpy County is tax exempt and will provide the proper form upon request.**

GR-5

Advanced GNSS Receiver



- 216 Universal Tracking Channels
- G3 Tracking Technology (GPS/GLONASS/GALILEO)
- Advanced Fence Antenna™ Technology - Unsurpassed tracking and performance
- Sophisticated, High Accuracy RTK technology with position updates up to 100Hz
- Integrated Dual Communication System with multiple Radio and Cellular combinations
- 32GB SDHC storage support
- Dual hot-swappable batteries

 TOPCON

The Topcon GR-5 represents the next generation in GNSS receiver technology



Topcon is proud to be the world leader in advanced satellite positioning technology. As the original pioneer of dual-constellation and G3 triple-constellation integration, Topcon continues to lead all other manufacturers with the most sophisticated receiver technology and design.

Topcon's G3 technology was the first to combine all three of the original positioning systems – GPS, GLONASS, and GALILEO. Although commercial use of Galileo continues to be years away, Topcon continues its commitment to develop technology to utilize ALL

signals from ALL satellites. Not only is Topcon committed to the GPS, GLONASS and GALILEO satellite systems, but also to all precision signals from the developing Chinese COMPASS system, Japan's Quasi-Zenith Satellite System (QZSS), and India's IRNSS system. If there is any operational advantage of combining new systems and signals, you can count on Topcon to continue to lead the industry.

The new GR-5 receiver is the next step in the continuing development of the latest, most advanced receiver technology available. Building from the tremendous success of the world's first G3 RTK receiver, the Topcon GR-3, the new GR-5 provides the latest technological advancements with the same powerful performance our customers have grown to demand.

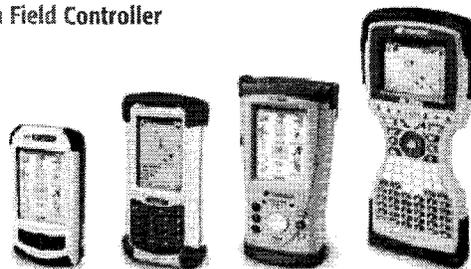
One look at the new GR-5, and you notice the new, advanced antenna design. This patented¹ Fence Antenna™ technology provides industry-leading tracking sensitivity and multipath rejection in a compact and lightweight package. By combining this antenna with the latest innovations in tracking algorithms, Topcon has given the GR-5 our most highly advanced tracking performance ever! The GR-5's tracking capabilities are not only state-of-the-art, but also deliver unmatched value to our customers by providing accuracy levels superior to other RTK systems in difficult environments. While other systems sacrifice accuracy for tracking performance, the GR-5 gives you the best of both!

The new GR-5 design didn't stop simply with new antenna and tracking technologies, the GR-5 also boasts numerous advancements such as: an increased number of channels, extended battery life, expanded internal memory options, new internal modem design, internet-compatible firmware, and much, much more. It all sums up to... More Performance. More Accuracy. More Productivity.

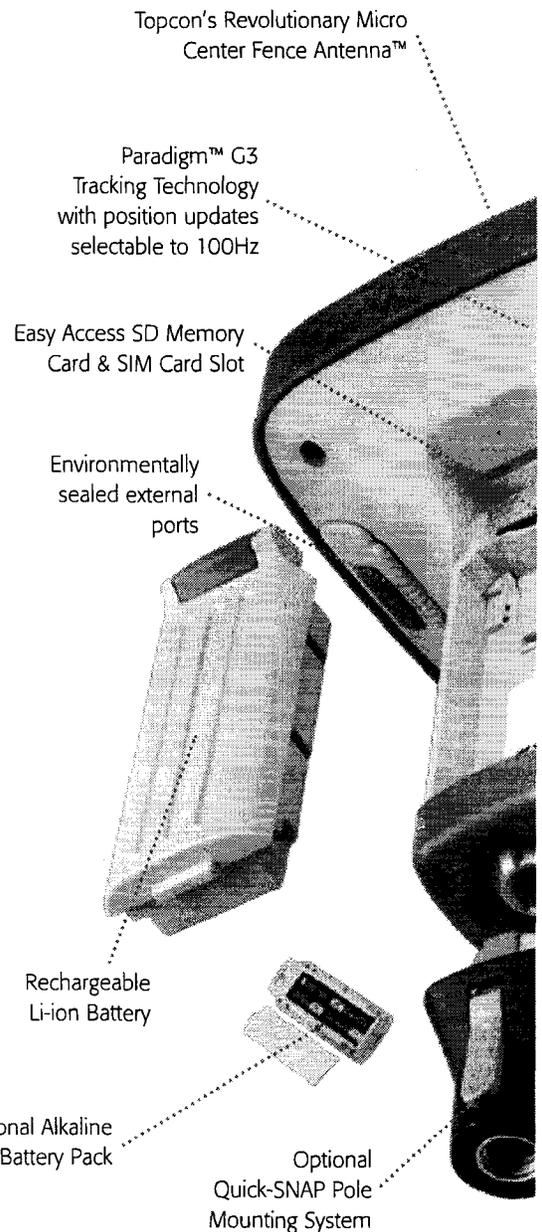
The new GR-5 from Topcon. Welcome to the next generation of satellite positioning technology!

Combine the GR-5 with a Topcon Field Controller

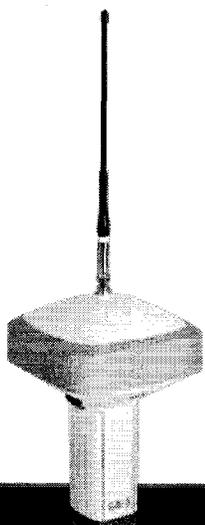
- Topcon's FC Series Field Controllers
- Full color touch screen
- Graphical Windows® interface
- Operates the full suite of Topcon field controller software packages
- Wireless operation via Bluetooth® connection



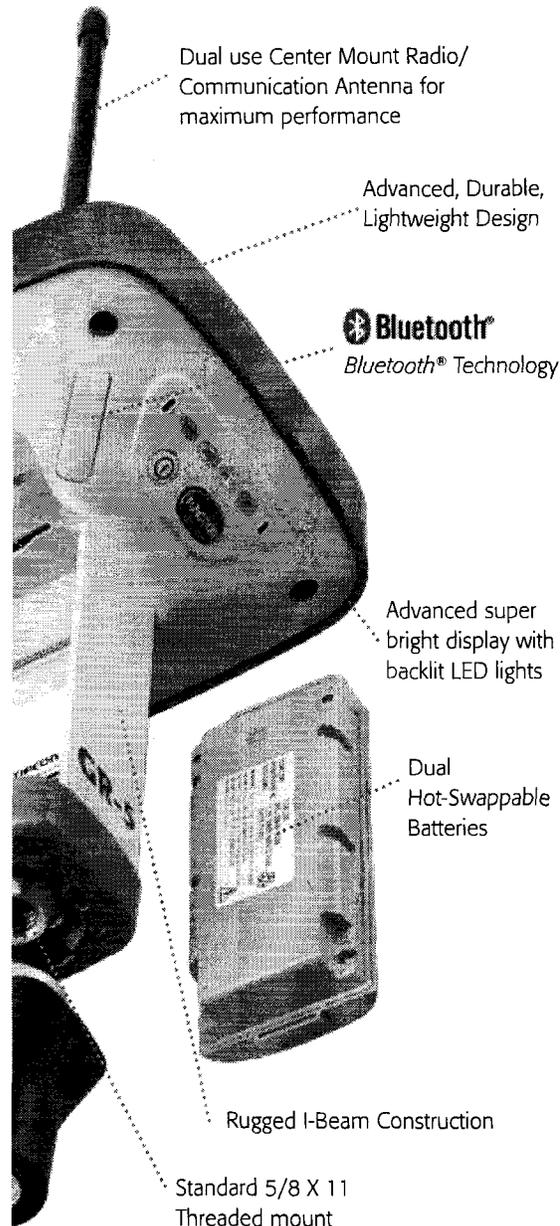
The GR-5 is the next generation RTK (system incorporates G3 tracking technology systems as well as new design features)



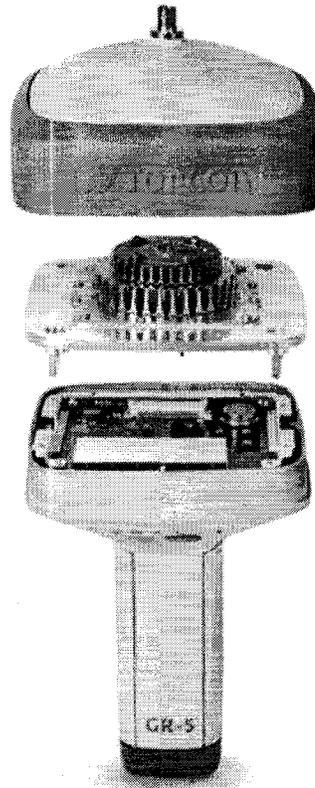
TopSURV Field
The easy-to-navigate interface of TopSURV all users its full functionality supports all surveying data collection and stakeout.



**GPS system from Topcon. This exciting
logy to track all three satellite positioning
ures not found in any other system.**



Topcon's New, Patented' Fence Antenna™ Technology



Technology Leadership

Once again, Topcon has set a new industry standard with our state-of-the-art Fence Antenna™ Technology. This revolutionary new antenna design, first presented in a technology paper at the ION GNSS International Conference in 2009, provides signal tracking capabilities not found in any other RTK receiver.

Enhanced Sensitivity

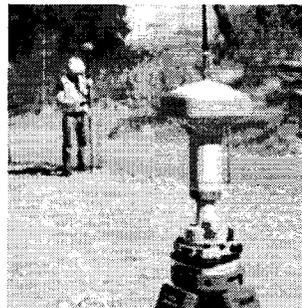
The most significant advancement comes with the Fence Antenna's™ performance tracking low elevation satellites. This patented' Fence Antenna™ technology provides unsurpassed sensitivity while simultaneously improving accuracy.

Advanced Multipath Suppression

Not only does the new Topcon Fence Antenna™ outperform other RTK receivers with enhanced sensitivity, but also provides multipath rejection characteristics that gives the GR-5 a level of tracking performance in difficult environments beyond any other RTK GNSS receiver.

Side-by-Side Tests

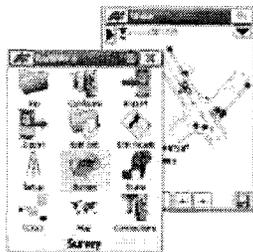
In side-by-side tests with other RTK GNSS receivers the new Topcon GR-5 with patented' Fence Antenna™ Technology outperformed the competition in tracking behavior and overall RTK performance, and continues to lead the industry RTK radio range. See for yourself! Contact your local Topcon distributor for a personal demo, and experience the power of the new GR-5 today!



**The new GR-5 from Topcon.
Packed for performance!**

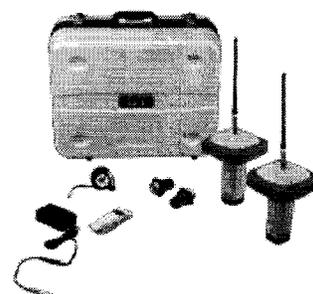
Field Controller Software

Intuitive user interface, intuitive user interface. iURV software offers functionality with the iURV software. TopSURV offers surveying tasks, including data collection, as-built survey



Dual Receiver Packages Include:

- Two GR-5 Receivers
- Four Batteries
- Charging Cradles
- PC Data Cables
- Hard Carry Case
- Radio Antennas
- Manuals & Utility software
- Fixed Height Tripod



GR-5 SPECIFICATIONS

TRACKING

Number of Channels	216 Universal Channels
Signals Tracked	G3 Technology - GPS, GLONASS and GALILEO
WAAS/EGNOS/MSAS	Yes
Antenna Type	Integrated Micro-Center Fence Antenna™ with Ground Plane

ACCURACY

RTK	H: 10 mm + 1 ppm V: 15 mm + 1 ppm
Static/Fast Static	H: 3mm + 0.5ppm V: 5mm + 0.5ppm

COMMUNICATIONS

Optional Radio Type	Integrated UHF TX/RX, or 915MHz Spread Spectrum
Base Radio Output	0.01 - 1.0W, user selectable
Cellular Communications	Integrated GSM/GPRS or CDMA
Wireless Communications	Integrated Bluetooth® 2.0 compliant

DATA & MEMORY

Memory	Internal, Removable SD/SDHC Memory Card
Data Update/Output Rate	1Hz - 100Hz Selectable
Real Time Data Output	TPS, RTCM SC104, CMR, CMR+
ASCII Output	NMEA 0183 version 2.x and 3.0

ENVIRONMENTAL

Enclosure	Magnesium I-Beam Housing
Operating Temperature	-40 to +70°C**
Dust/Water Protection	IP66
Shock Rating	2 meter pole drop to concrete IEC 60068-2-29, IEC 60068-2-27
Vibration Rating	SAE J1211, Section 4.7 MIL-STD 202G, Method 214A

¹ Patent pending. Multiple patents are associated with Fence Antenna™ technology.

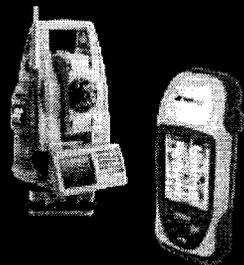
* GIOVE A/B test satellites are available for signal evaluation and test purposes.

** -30 to +60°C with integrated batteries

The Leader in Positioning Technology...

Whether you're looking for precision GPS+ control for surveying and engineering applications or layout and grade management on a construction job site, your local Topcon dealer offers the widest range of products to get the job done quickly and accurately.

Topcon also offers the industry's easiest-to-use GPS+ machine control systems. Capable of working as an indicate-only system or fully automatic grade control,



Topcon offers systems to automate your motorgrader, paver, profiler, dozer, excavator, or ag/land leveling machines.

There's only one company that offers you all of the positioning tools to keep you

competitive in today's market. They're only available from your local dealer, and they're only from Topcon. Topcon Positioning Systems is the worldwide leading developer and manufacturer of precision positioning equipment and offers the widest selection of innovative precision GPS systems, laser, optical surveying, and machine control products.

From open-field construction projects to isolated surveying sites and from rolling farmland to inner city utility projects, Topcon Positioning Systems provides innovative technology that provides a decidedly competitive edge to end-users.

The recognized innovative trend-setter in its industry, Topcon has focused on developing an array of integrated positioning and automation technologies to meet the constantly changing demands facing construction, surveying, agriculture, utilities and law enforcement industries worldwide.

Your local Authorized Topcon dealer is:

TRANSIT WORKS

6000 S. 58th Street, Suite A • Lincoln, NE 68516 • 402.421.6100
10540 Hickman Road, Suite E1 • Des Moines, IA 50325 • 515.270.1156

TOPCON

topconpositioning.com

7400 National Drive • Livermore • CA 94550

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TOPCON'S LASER & ELECTRONIC POSITIONING EQUIPMENT WARRANTY

TOPCON'S laser and electronic positioning equipment is guaranteed against defective material and workmanship under normal use and application consistent with the literature distributed with the product. The equipment is guaranteed for the period indicated, on this warranty card, starting from the date that the product is sold to the original purchaser by Topcon's Authorized Dealers.*

- 1 Year
- 2 Year
- 3 Year
- 5 Year

During the warranty period, TOPCON will at its option, repair or replace this product at no additional charge. Repair parts and replacement products will be furnished on an exchange basis and will be either reconditioned or new. This limited warranty does not include service to repair damage to the product resulting from an accident, disaster, misuses, abuse or modification of the product.

Warranty service may be obtained from an authorized TOPCON warranty service dealer. If this product is delivered by mail, purchaser agrees to insure the product or assume the risk of loss or damage in transit, to prepay shipping charges to the warranty service location and to use the original shipping container or equivalent. A letter should accompany the package furnishing a description of the problem and/or defect.

The purchaser's sole remedy shall be replacement as provided above. In no event shall TOPCON be liable for any damages or other claim including any claim for lost profits, lost savings or other incidental or consequential damages arising out of the use of or inability to use the product.

*The warranty against defects in any TOPCON battery, charger or cable is 90 days.

SOKKIA

SHC236

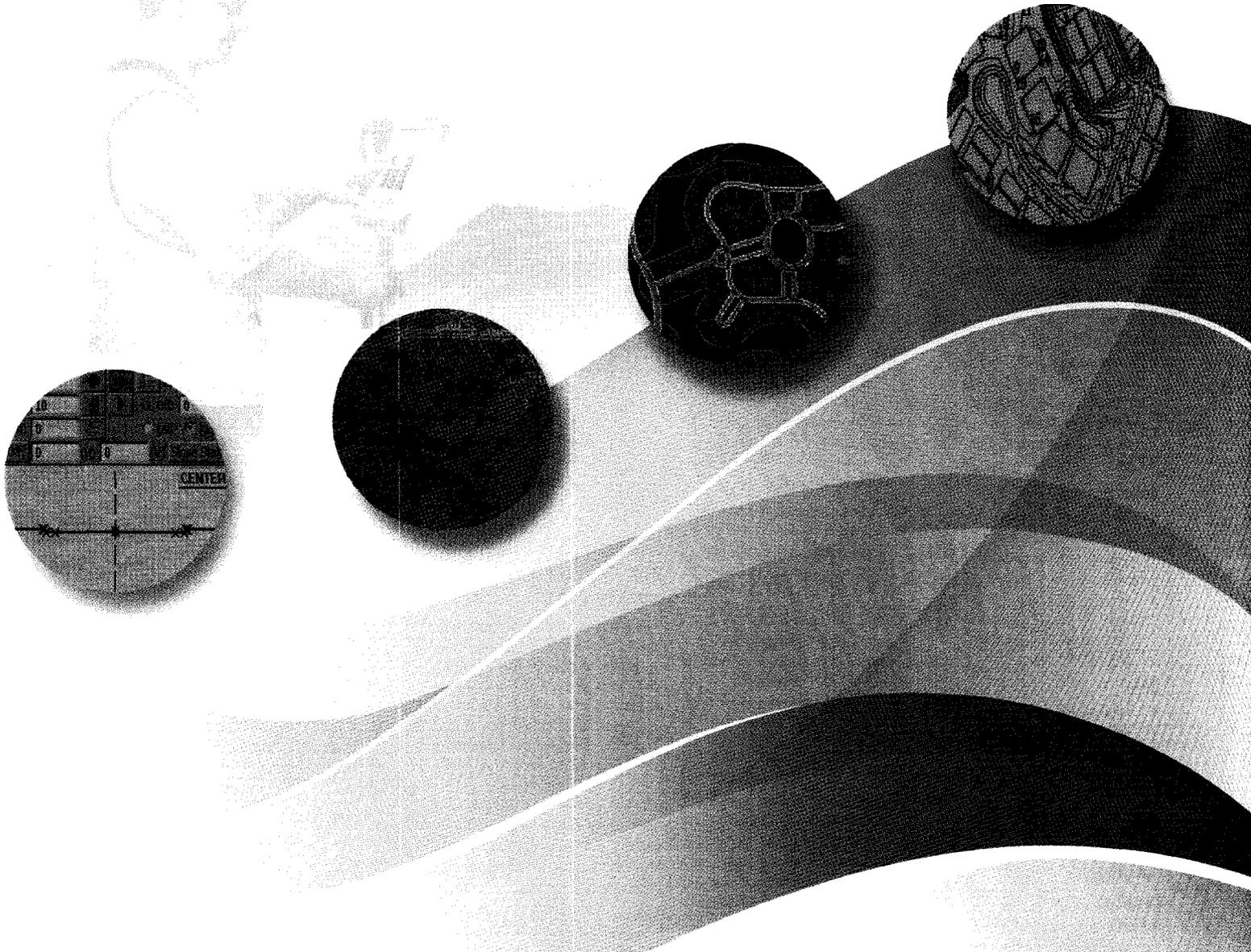
Data Collector

Durable Data Collector

- 3.5G Cellular Connectivity
- Integrated *Bluetooth*® Wireless and Wi-Fi connectivity
- 256MB RAM, 4GB Storage
- MIL-STD-810G and IP67 Compliance
- Full Numeric Keypad
- Windows Mobile® 6.1 Operating System
- Marvell PXA310 806MHz Processor
- 3MP Auto-Focus Camera
- 9-pin Serial Port
- Field-Swappable Li-ion Battery



CARLSON SURVCE



TRANSIT WORKS
402.421.6100 515.394.1100
Toledo, OH Columbus, OH

 **Carlson**
www.carlsonsw.com



SARPY COUNTY

Dennis L. Wilson P.E.
Sarpy County Engineer

PUBLIC WORKS DEPARTMENT
15100 South 84th Street • Papillion, Ne 68046-2895
Phone (402) 537-8900 • FAX (402) 537-8955 • www.sarpy.com

December 6, 2011,

Beth Cunard, Purchasing Agent
Sarpy County Purchasing Department

LETTER OF RECOMMENDATION

Purchasing of G.P.S. Survey Equipment for the Public Works Department of Sarpy County

We respectfully request that on behalf of Sarpy County Public Works accept Transit Works bid, being the second (2) to lowest which meet the Technical specification. A&D Technical Supply Co., which had the lowest bid didn't meet the criteria in the amount of rovers in the specification addendum, which resulted in rejection of their bid.

Sincerely:

Michael R. Sharp
Surveyor

**Purchase of GPS Survey Equipment
for the
Public Works Department**

Item	Quantity	Transit Works		A & D Technical Supply Co.		GeoShack		Seller Instrument	
		Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
GPS Survey Package	2	--	\$44,990.00	\$17,152.30	\$34,304.60	\$33,027.50	\$66,055.00	--	\$87,658.00
On Site Training for Equipment & Software	Lump Sum	\$0.00	\$0.00	\$0.00	\$0.00	\$500.00	\$500.00	\$0.00	\$0.00
Total Base Bid			\$44,990.00		\$34,304.60		\$66,555.00		\$87,658.00
Option 1									
Two (2) Trimble 4800 GPS Units			\$0.00		\$1,564.60		\$11,300.00		\$18,000.00
Option 2: Maintenance & Support									
Year 2			\$0.00		\$437.00		\$3,000.00		\$1,960.00
Year 3			\$0.00		\$437.00		\$3,500.00		\$1,960.00
Total Bid with Options			\$44,990.00		\$33,614.00		\$61,755.00		\$73,578.00

COMPANY NAME: TRANSIT Works

Sarpy County, Nebraska
Lease Purchase of GPS Survey Equipment
Bid Form

Item	Quantity	Unit Price	Extended Price
GPS Survey Equipment Package	X	\$	\$ 44,990.00
On Site Training for Equipment & Software	Lump Sum	\$	\$ No Charge
Total Base Bid			\$ 44,990.00
Option 1: Trade In			
Two (2) Trimble 4800 GPS Units			\$(———)
Option 2: Maintenance & Support			
Year 2			\$ No Charge
Year 3			\$ No Charge

*Prices are to be F.O.B. - 15100 S. 84th Street, Papillion, NE 68046

DELIVERY DATE: 10-15 Days ARO

PROPOSED TRAINING DATE: 10-15 Days ARO

Company Information:

Years in business: 25 YEARS

of employees 5 for Surveying Products

Total sales last 3 years 5 million

References:

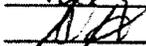
Company Name: City of Omaha
Address: 1819 FARNAM ST OMAHA NE 68183
Contact Name: Tom Glow Phone Number: 402-444-5279
Fax Number: 402-444-5264 Date of Purchase: 2008
Email: tglow@ci.omaha.ne.us

Company Name: Union Pacific Railroad
Address: 1900 Doughty ST 910 Omaha, Ne 68179
Contact Name: PAT LEE Phone Number: 308-535-4486
Fax Number: 402-501-0478 Date of Purchase: 2009
Email: PLee@UP.com

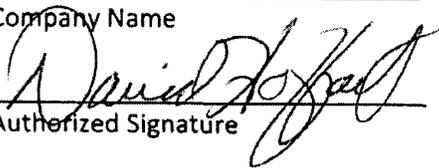
Company Name: City of Lincoln - Lincoln Electric
Address: 2620 FAIRFIELD LINCOLN NE 68521
Contact Name: GLENN NEEMANN Phone Number: 402-467-7637
Fax Number: 402-467-7601 Date of Purchase: 2008
Email: gneemann@hes.com

I certify that this bid is submitted in accordance with the specifications issued by Sarpy County.

I acknowledge receipt of the following addenda (if applicable):

Addendum #1 
Addendum #2 

Attachments: Literature/Cut-sheets
Warranty Information

TRANSIT WORKS
Company Name

Authorized Signature
6000 S 58th St Ste A
Address
Lincoln NE 68516
City, State & Zip

DAVID HOFFART
Company Representative (Please print)
402-421-6100
Telephone Number
402-421-7395
Fax Number
transitworks@windstream.net
E-Mail Address

***NOTE: Sarpy County is tax exempt and will provide the proper form upon request.**



6000 S. 58th Street • Suite A • Lincoln, NE 68516 • 402.421.6100
 10540 Hickman Road • Suite E1 • Des Moines, IA 50325 • 515.270.1156

Name: Deb Houghtaling
 Company: Sarpy County Clerk's Office
 Address: 1210 Golden Gate Drive
 Papillion, NE 68046

Phone #: 402-593-4476

Subject: Topcon GR-5 GPS GNSS System

Date	10/20/2011
Availability	
Terms	
Shipped Via	
Quoted By	David Hoffart

We are pleased to offer the following quotation for your consideration:

Item	Qty	Stock #	Description	Unit	Retail Price	Ext Retail Price	Price
1	1	99-094903-01	Topcon GR-5 GD Digital UHF Base & Rover System Complete, Including: Tripod, HD Flat Rover Pole, 2 Meter Carbon Fiber HI Tape, Power Supply, Cables & Carry Case	Ea	\$ 33,636.00	\$ 33,636.00	
2	1	99-094902-01	Topcon GR-5 GD UHF Rover w/Digital UHF Radio Including: Rover Pole, 2 Meter Carbon Fiber HI Tape, Power Supply, Cables & Carry Case	Ea	\$ 18,890.00	\$ 18,890.00	
3	2	556205	SHC236 Data Controller w/8 GB Storage	Ea	\$ 2,195.00	\$ 4,390.00	
4	2	8081-58	Clamp, Claw & Cradle f/SHC236	Ea	\$ 150.00	\$ 300.00	
5	2	5559-56	Carlson SurvCE TS/GPS Controller Software	Ea	\$ 1,995.00	\$ 3,990.00	
6	2	5219-03	Seco Bipod, Carbon Fiber	Ea	\$ 289.95	\$ 579.90	
7	2	8143-20	Case, GPS Cell Phone	Ea	\$ 49.95	\$ 99.90	
8	2	148-CSOKTOP	Cable, TS to Controller	Ea	\$ 99.00	\$ 198.00	
						Total Retail Price	\$ 62,083.80
						Transit Works Price	\$ 44,990.00

Sub-Total	
Shipping	
Sales Tax	
Total	

Thank you for this opportunity to provide a quotation. If you have any questions, please call me at 402-421-6100 or fax me at 402-421-7395.

Prepared By: David Hoffart 10/20/2011

Accepted By: _____

Sarpy County Purchasing Department

SARPY COUNTY COURTHOUSE
1210 GOLDEN GATE DRIVE
PAPILLION, NE 68046



Brian Hanson, Purchasing Agent

(402) 593-2349

Debby Peoples, Asst. Purchasing Agent

(402) 593-4164

Beth Cunard, Senior Buyer/Contract Administrator

(402) 593-4476

Lois Spethman, Supply Clerk/Purchaser

(402) 593-2102

Memo

To: Sarpy County Board of Commissioners

From: Beth Cunard

Re: GPS Survey Equipment

On October 20, 2011 four bids were opened for the Purchase of GPS Survey Equipment. The bids have been reviewed by Public Works staff, Denny Wilson and me and it is recommended the bid be awarded to the lowest responsible bidder, Transit Works for \$44,990.00. The review team contacted A & D regarding their bid and determined they did not meet the specifications because they only bid one rover, while the specifications asked for two, which was further verified in Addendum 1. Transit Works bid does meet the technical specifications.

If you have any questions, please feel free to contact me at bcunard@sarpy.com.

December 6, 2011

Beth Cunard

Cc: Deb Houghtaling
Mark Wayne
Scott Bovick
Brian Hanson
Denny Wilson



Q
1/5/11



6000 S. 58th Street, Suite A Lincoln, NE 68516 402.421.6100 402.421.7395 Fax	10540 Hickman Road, Suite E1 Des Moines, IA 50325 515.270.1156 515.270.6612 Fax
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TRANSIT WORKS
Sealed Bid – Purchase of GPS Survey Equipment
Thursday, October 20, 2011 2:00 p.m.