

GRANT COUNTY
PUBLIC WORKS DEPARTMENT

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Sealed bids will be received for the following items:

Radar Traffic Recorders - 2019

Sealed Bids will be Opened on
March 26, 2019
at
1:30 P.M.
at the Office of the
Board of County Commissioners,
Grant County Courthouse,
Commissioners Hearing Room – Room 101
35 C Street NW, Ephrata, Washington

INSTRUCTIONS TO BIDDERS

- 1) Sealed bids, plainly marked "**BID for Radar Traffic Recorders – 2019**" will be received by Grant County at the Office of the Board of County Commissioners located in the County Courthouse, Room 206, 35 C Street NW, P.O. Box 37, Ephrata, WA, 98823, until **1:30 P.M., Tuesday, March 26, 2019** and will then and there, in the Commissioners Hearing Room, Room 101 be opened and publicly read for the construction of the improvements.
- 2) The bidder may submit a bid on any or all items listed. If the bidder does not wish to bid any particular item or items, please write **NO BID** on the appropriate line of the proposal sheet.
- 3) Proposal signature sheet(s) must be signed.
- 4) ALL exceptions or changes to the specifications must be attached to the proposal sheet(s) in written form.
- 5) The Board of County Commissioners reserves the right to reject or accept all or part of the proposal submitted by the bidder.
- 6) Bidders are advised that the unit price bid for each item will be compared with the current State contract price for equivalent materials. After said comparison the County may reject or accept all or part of the proposal submitted by the bidder and purchase items directly from the State contract.
- 7) The attached specifications are for the purpose of providing details regarding the type of product desired by Grant County. Equal or similar products from reputable manufacturers and suppliers are permitted. Grant County shall be the final determiner of product equivalence.
- 8) Grant County shall pay State sales and use taxes on all products purchased. The Bidder shall not include taxes in the bid price and shall show state sales taxes as a separate item in the space provided.
- 9) No proposal guarantee, written contract or contract bond is required for this proposal.
- 10) The Clock of Record for this bid is the Time Stamp Clock in the Office of the Board of County Commissioners, Room 206.

SPECIAL PROVISIONS

DESCRIPTION OF WORK

This proposal provides furnishing and delivering a combination of 14 Radar Traffic Recorders, Laptop, Software and other work in accordance with the specifications.

This proposal contains multiple bid items, please write in the proposal "**NO BID**" on items that a bid is not submitted for.

DATE OF OPENING BIDS

Sealed bids plainly marked "**Radar Traffic Recorders – 2019**" will be received at the following location before the specified time:

The Office of the Board of County Commissioners, Room 206, Grant County Courthouse, 35 C St. NW, P.O. Box 37, Ephrata, WA 98823. The Clock of Record shall be the Time Stamp Clock in the BOCC Office.

The bid opening date for this project shall be **March 26, 2019**. The bids will be publicly opened and read in the Commissioners Hearing Room, Room 101 after **1:30 P.M.** on this date.

AWARD OF CONTRACT

No materials supply contract will be awarded. However, Grant County intends to do business with the materials supplier offering the lowest cost and availability for Radar Traffic Recorders & Software that comply with specifications. Grant County will award the work for each line item bid or some combination thereof. The successful bidder will be notified by **email** of the acceptance of the proposal submitted and authorized to proceed with the work.

The work will be given to the company whose unit price bid, inclusive of shipping represent the best value to Grant County. Consideration will also be given to the following material supplier performance measurements:

- Past performance of product
- Conformance to specifications
- Product Availability
- Quality of product

The Board of County Commissioners of Grant County, Washington, reserves the right to reject any and all bids. The award of this proposal, if made, may be made in whole or in part as determined to be in the best interest of Grant County.

SALES TAX

The bidder shall include all applicable taxes, except state sales taxes, in the proposal items. The bidder is advised that Grant County is exempt from all federal excise taxes and shall not include federal excise taxes in the unit prices bid. State sales taxes must be charged to the County for the materials sold or provided. The successful bidder shall include state sales taxes on each invoice presented for payment.

SHIPPING

Shipping costs are a separate bid line item.

PAYMENT

Grant County pays all invoices on a weekly basis. Payment is normally mailed within two weeks from the date invoices bills are received.

Delivery

- F.O.B., Grant County Public Works
124 Enterprise St. SE
Ephrata, WA 98823
- Deliveries must be scheduled between 8:00 A.M. to 3:00 P.M., Monday thru Thursday. If you are awarded the Bid, please call (509) 754-6086 at least one day prior to delivery to make arrangements.
- If you have questions please contact: Jerome Wawers, (509) 754-6082, jwawers@grantcountywa.gov

General Specifications:

The attached specifications are for the purpose of providing details regarding the type of product desired by Grant County. Equal or similar products from reputable manufacturers and suppliers are permitted. Grant County shall be the final determiner of product equivalence.

Radar Traffic Recorders

The selected bidder is expected to furnish and deliver Radar Traffic Recorders, Software, Laptop computer, software, adapters, cables, locks, chains, & keys.

This specification references JAMAR GEN2 RADAR RECORDER KITS W/LOCKS & CHAIN, JAMAR BLACK CAT II RADAR RECORDER KITS W/LOCKS & CHAIN, LAPTOP & TRAXPro Software.

Each traffic recorder unit specified shall be a self-contained; microprocessor-based data collection recorder that uses non-invasive microwave radar to record up to two lanes of vehicular traffic. One model of the traffic recorder units specified must be able to detect and separate two lanes of bi-directional traffic as well as two lanes of traffic in the same direction. The other model of traffic recorder must be able to detect and separate two lanes of bi-directional traffic. The recorders shall be able to collect vehicle-by-vehicle information that can provide volume, speed, and length details.

The traffic recorder shall be designed for portability and ease of setup and operation tin the field. As such, is shall not weigh more than 12.25 lbs. with a battery installed. There shall be no need of angle finders, inclinometer, calibration tools, or any other peripheral device (other than a Windows-based laptop) so that installation is very simple, having large tolerances, while at the same time yielding highly accurate volume, speed, and length data.

The recorder shall have the ability to download in the field to a Windows-based laptop through a wireless Bluetooth connection. Alternately, only if the Bluetooth connection fails, the recorder shall have the ability to download in the field to a Windows-based laptop through a serial port or via a USB cable. All standard setup will be accessible through a Windows-based laptop. Operation of the recorded can be observed on the Windows-based laptop to aid the customer in testing and start-up. All

dates displayed on the Windows-based laptop must be standard US format (M/D/Y). All vehicle speed must be displayed in MPH. All vehicle lengths must be displayed in feet.

The data from the recorders must download directly via Bluetooth to a Windows-based laptop to the Supplied Software. The data must be completely compatible with all edit and report function of the Supplied software.

The recorder must be part of a platform of monitoring and control equipment that has been designed to provide maximum flexibility to allow new devices to be easily added to the system.

The recorders and software system shall have the ability to live view/display the vehicles as they pass by the radar unit.

Warranty All recorders shall have a one-year warranty as part of the purchase contract

Support A toll free telephone number shall be provided for support. All support shall be free. All User's Manuals for the equipment must be available for download from the manufacturer's web site. Training materials, including video demonstrations of the product, must be available for download from the manufacturer's web site.

Physical specifications

Size The recorder shall not exceed 11.75" x 9.5" x 5". For optimum portability, the recorder shall not weigh more than 12.25 lbs. with a battery installed.

Power The recorder shall use a rechargeable gel-cell/lithium battery.

Environmental The recorder shall operate in the following temperature range: -40°F to +158°F

Communication The recorder will have a wireless Bluetooth connection and/or a serial port or USB port

Clock A real time clock shall be included in the recorder. The clock will also allow for time intervals from 1 minute to 60 minutes

Memory The recorder will have a minimum of 2 MB internal memory capacity standard.

Sensors Sensors must use a microwave radar signal of 24.2 GHz, power output 5 Mw with a range of 100 ft.

Accuracy Data collected must be accurate to 98% in the near lane and 96% in the far lane when compared to known values. This accuracy must be consistent in volume, binned and per vehicle data modes.

Operational Specifications

Setup The recorder will allow the user to do the following using a Windows-based laptop:

View and program site code

View and program time and date clock

View vehicle speeds in mph, in real time

View vehicle lengths in feet, in real time

View battery condition, by displaying voltage

Vehicle Data The recorder must store data on a vehicle-by-vehicle basis. The data for each individual vehicle must be viewable in the software. The software must be able to save data as axle-time stamp, per vehicle binned speed, class, gap and volume.

Data Retrieval The data in the recorder must be able to be retrieved using the Supplied software

Software Specifications

The software must have the ability to directly download and process data from both models of Radar Traffic Records previously noted above.

The software must have the ability to process axle time stamps, per vehicle records and binned data.

The software must have the ability to view all data formats on the screen and export them into Windows Excel format along with the following formats: ASCII, PRN, and TMG.

Computer The computer shall be a Windows compatible laptop computer. It must be compatible with Windows 7 & 10 operating systems, including 32-bit and 64-bit variants. The software shall operate with a keyboard and/or mouse.

Includes Laptop, AC Adapter and Power Cord

Shall meet or exceed Intel Celeron N4000 Dual-core Processor 1.1 Ghz

Shall have Intel Burst Technology up to 2.6 Ghz

11.6" HD (1366 x 768) widescreen LED-backlit multi-touch display

64GB eMMC

4GB LPDDR4 onboard memory

Intel Wireless-AC 9560 802.11ac Gigabit Wi-Fi and Bluetooth 5.0

Intel UHD Graphics 605

MicroSD Memory Slot up to 128GB

Inputs/Outputs: 1 USD 3.0, 1 USB 2.0, 1 HDMI 2.0 with HDCP support, one 3.5 mm combo jack, 1 DC-in jack for AC adapter, 2-cell Li-ion (4670 mAh) battery

License The software shall be user licensed for use on multiple agency owned computers. 5 seats minimum.

Utilities The software will install in the normal manner for a Windows based program and will allow the user to set up directories for data storage. The software will output data in generic ASCII format which is comma delineated as well as Windows Excel format

INFORMATIONAL COPY ONLY - NOT FOR BIDDING

PROPOSAL

To: Board of County Commissioners
Grant County, Washington

Date: _____, 2019

This certifies that the undersigned has examined the details of the work as outlined in the specifications for **Radar Traffic Recorders - 2019** located in Grant County, Washington, and has read and thoroughly understands the specifications and proposal governing the work embraced in this improvement and the method by which payment will be made for said work and hereby proposes to undertake and complete the work embraced in this improvement in accordance with said plans, specifications, and proposal and at the following schedule of rates and prices:

Note: Unit prices for all items must be shown in . Please type or use ink. Please initial changes. Do not include state sales taxes.

Item Number	Description	Quantity	Unit Price		Extended
			Dollars	Cents	
1	2 Lane Bi-Direction Only Radar Recorder Kit w/Locks, Chains & Keys	10			
2	2 Lane Bi-Direction & 2 Lanes Same Direction Radar Recorder Kit, w/ Locks, Chains & Keys	3			
3	2 Lane Bi-Direction & 2 Lanes Same Direction Radar Recorder Kit, w/Locks, Chain & Keys <u>Including Laptop & Software</u>	1			
4	Bluetooth Adapter	14			
5	USB to Serial Adapter	14			
6	Serial Cable for Radar Recorder Download	14			
7	Lithium Battery Charger	14			
8	Mounting Kit	14			
9	Shipping	1			
			TOTAL		
	Sale Tax %, do not include in bid	%			

Failure to return this Declaration as part of the bid proposal package will make the bid nonresponsive and ineligible for award.

NON-COLLUSION DECLARATION

I, by signing the proposal, hereby declare, under penalty of perjury under the laws of the United States that the following statements are true and correct:

- 1. That the undersigned person(s), firm, association, or corporation has (have) not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with the project for which this proposal is submitted.**
- 2. That by signing the signature page of this proposal, I am deemed to have signed and have agreed to the provisions of this declaration.**

NOTICE TO ALL BIDDERS

To report bid rigging activities call:

1-800-424-9071

The U.S. Department of Transportation (USDOT) operates the above toll-free "hotline" Monday through Friday, 8:00 a.m. to 5:00 p.m., Eastern Time. Anyone with knowledge of possible bid rigging, bidder collusion, or other fraudulent activities should use the "hotline" to report such activities.

The "hotline" is part of USDOT's continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the USDOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

Proposal – Signature Page

The bidder is hereby advised that by signature of this proposal he/she is deemed to have acknowledged all requirements and signed all certificates contained herein.

No bid bond or performance bond is required for this materials supply bid.

Receipt is hereby acknowledged of addendum(a) No.(s) _____, _____ & _____.

In compliance with Chapter 39.34.030(5) b RCW a public notice for this solicitation for quotes has been posted on Grant County's website: <http://www.grantcountywa.gov/GCPW/RFBQS/RFBQS-2019.htm>

1. The Bidder will allow Grant County to purchase additional bid items at the original bid prices offered Yes ___ No ___
2. The Bidder will allow other public agencies to purchase additional bid items at the original prices offered (RCW 39.34)..... Yes ___ No ___
3. The Bidder will allow modification on bid items for additional purchase requests (subject to wholesale price adjustments agreeable to each public agency)..... Yes ___ No ___
4. The Bidder agrees to provide extended purchase options thru January 10, 2020... Yes ___ *No ___
*If "No" is checked please show acceptable extended purchase period.....
5. The Bidder understands Grant County accepts no responsibility for the payment of any additional purchase requests make by other public agencies Yes ___ No ___
6. The Bidder understands Grant County is not required to purchase additional quote items..... Yes ___ No ___

Proposal – Signature Page

PROPOSAL MUST BE SIGNED → _____

Signature of Authorized Official(s)

Please Print Name of Authorized Official(s)

Firm Name _____

Address _____

City, St., Zip _____

Email _____

Voice (____) _____

Fax (____) _____

State of Washington License No. _____

Note:

- (1) This proposal form is not transferable and any alteration entered heron without prior permission from or by the County Engineer will be cause for considering the proposal irregular and subsequent rejection of the quote.
- (2) Should it be necessary to modify this proposal either in writing or by electronic means, please make reference to the following proposal in your communication: **Radar Traffic Recorders - 2019**

Revised 01/19