

**STATE OF ALASKA ITB NUMBER 2523N040
AMENDMENT NUMBER 2**

RETURN THIS AMENDMENT TO THE ISSUING OFFICE AT:



Department of Transportation &
Public Facilities
Northern Region Procurement
2301 Peger Road
Fairbanks, AK 99709

THIS IS NOT AN ORDER

DATE AMENDMENT ISSUED: March 24, 2023

ITB TITLE: GPS Equipment & Accessories Rental – Federally Funded

ITB OPENING DATE AND TIME: 3/31/2023

DUE DATE: March 31, 2023 at 10:00 AM (Alaska Time)

This is a mandatory return amendment. Your bid may be considered non-responsive if this signed amendment is not received [in addition to your bid] by the date and times bids are due.

Vendor Signature: _____

Date: _____

Printed Name: _____

Offerors Name: _____

The purpose of this Amendment #2 is to:

- **Provide revised answers to questions received on amendment #1.**
 - **Mandatory Amendment due date 3/31/2023 10:00 AM (AlaskaTime)**
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Question: #3

Under Specifications 1.) Can the receiver be a modular system (radio and GNSS antenna separate and connected to a receiver with cables)? Or does the receiver need a fully integrated architecture (the radio and GNSS antenna built into the receiver)?

Answer: It does need to be fully integrate architecture, cannot be a modular system.

Question: #8

Are there any approved equals for any of the specified equipment?

- Answer: Rover receiver - HiPer VR
Field Controller - Topcon FC-5000
Radio - Should be corrected to SRL-35

Catherine Norum

Catherine Norum

Procurement Officer

PHONE: (907) 451-2221

TDD: (907) 451-2363

Email: Cathy.norum@alaska.gov

NAME OF COMPANY

SIGNATURE

DATE

SPECIFICATIONS

1.) **Rover receiver - Receivers, each capable of operating as a base or rover.**

- Receivers, each capable of operating as a base or rover.
- Configured for utilizing at least L1/L2/L5 GPS, L1/L2 GLONASS, E1/E5 Galileo, and B1/B2 Beidou satellite constellations with a signal update rate of at least 10Hz.
- Capable of supporting (both sending & receiving) common cellular, digital UHF radio, and Bluetooth communication protocols.
- Capable of performing all operations with full wireless communication to field controller.
- Capable of providing accurate, real-time automatically corrected location information with the rover up to 15° off plumb.
- Equipment shall be ruggedized – shock resistant and waterproof.
- Battery may be internal or removable batteries; shall include associated charging adapters and, in the case of removable batteries, shall include a total of two batteries per receiver.
- Capable of utilizing a connected, external 12v power supply.
- Price to include five (5) days of customizable, onsite equipment/software training *per year*. Training to be taught by at least one instructor, experienced with training small groups (six or less students) in the provided hardware, software, and grade-checking practices. Training to be held in Fairbanks, at DOT&PF provided facilities.

Topcon HiPer HR or AK DOT&PF approved equal.

2.) **Field controller, units shall be:**

- Equipment shall be ruggedized – shock resistant and waterproof.
- Minimum 7” touchscreen display, equipped with grounded stylus and with an off-screen keyboard/cradle.
- Equipped for Bluetooth, WiFi, and cellular data transfer.
- Expandable data storage with SD/SDHC type SSD memory.
- USB connection port.
- Windows-based operating system.
- Functional with Topcon Pocket 3D software.
- Equipped with hard-shell carrying case.

Topcon FC-6000 or AK DOT&PF approved equal.

3.) **Booster/Repeater radio, units shall be:**

- Capable of functioning as a booster or repeater radio (digital UHF), compatible and in conjunction with the internal radios of the receiver units.
- Capable of adjustable broadcast strength.
- Inclusive of physical radio antenna and mounting hardware to attach antenna to survey tripod, as well as appropriate connector cables for linking radio to receiver units and external 12 volt power supply.
- Waterproof.
- Equipped with hard-shell carrying case.
- Radio to be delivered pre-programmed with set of frequencies to be provided to vendor within ten (10) business days of award of contract.

Topcon SRL-35 or AK DOT&PF approved equal.

4.) **Field controller software, shall be:**

Topcon Pocket 3D or AK DOT&PF approved equal.

SPECIFICATIONS

5.) Accessories, shall include:

- Twelve (12) extra batteries compatible with the field controller unit.
- Twelve (12) rover rods, carbon fiber, with plumb bubble and mounting bracket for field controller cradle.
- Twelve (12) bipod sets, attachable to the rover rod, carbon fiber or aluminum.
- Eight (8) survey tripods, fiberglass or composite, with dual leg clamping mechanisms; compatible with receiver tribrach hardware.
- Twelve (12) topo shoe adapters compatible with vehicle door mount units.
- Eight (8) sets of receiver accessories including: charging cables for receivers, tribrach/optical plummet attachments, and form-fitted hard shell carrying case capable of containing a pair of antenna/receivers and associated cables, antennas, and tribrach hardware.

6.) Vehicle door mount, units shall be:

- Metal vehicle mount for holding GPS rover rod, capable of adjusting to fit a variety of standard vehicle door sizes.
Seco GNSS Truck Door Bracket #5114-20 or AK DOT&PF approved equal.

7.) Magnet licenses, shall be:

- Topo Module, current software version available at time of bid; each license shall be assigned to and delivered with its own USB license key/dongle.
Topcon Magnet Topo module or AK DOT&PF approved equal.

BID SCHEDULE

ITEM NO.	QTY.	UNIT	DESCRIPTION	Monthly PRICE	EXTENDED Yearly PRICE
1.	<u>12</u>	<u>Each</u>	<u>Rover receiver units</u>	\$ <u> </u>	\$ <u> </u>
Brand and Model Offered: _____					
2.	<u>8</u>	<u>Each</u>	<u>Field Controller</u>	\$ <u> </u>	\$ <u> </u>
Brand and Model Offered: _____					
3.	<u>6</u>	<u>Each</u>	<u>Booster/ Repeater Radio</u>	\$ <u> </u>	\$ <u> </u>
Brand and Model Offered: _____					
4.	<u>8</u>	<u>Each</u>	<u>Field Controller Software</u>	\$ <u> </u>	\$ <u> </u>
Brand and Model Offered: _____					
5.	<u>Quantiy listed</u>	<u>Lot</u>	<u>Accessories</u>	\$ <u> </u>	\$ <u> </u>
Brand and Model Offered: _____					
6.	<u>6</u>	<u>Each</u>	<u>Vehicle Door Mount</u>	\$ <u> </u>	\$ <u> </u>
Brand and Model Offered: _____					
7.	<u>8</u>	<u>Each</u>	<u>Magnet licenses</u>	\$ <u> </u>	\$ <u> </u>
Brand and Model Offered: _____					

Brand & Model Offered:

The bidder's failure to identify the brand and model offered may cause the bid to be rejected as non-responsive.

BID SCHEDULE (cont.)

GUARANTEED DELIVERY: _____ calendar days after receipt of order.

ORDERING ADDRESS: _____

Contact: _____

Phone: _____

Email: _____