

BERRIEN COUNTY ROAD COMMISSION

PROPOSAL AND SPECIFICATIONS

FOR

SURVEY EQUIPMENT

APRIL 2, 2015

**BOARD OF COUNTY ROAD COMMISSIONERS
OF THE COUNTY OF BERRIEN
2860 EAST NAPIER AVENUE
BENTON HARBOR, MI 49022**

BERRIEN COUNTY ROAD COMMISSION

March 20, 2015

Notice is hereby given that sealed bids will be received at the office of the Board of County Road Commissioners of the County of Berrien, 2860 East Napier Avenue, Benton Harbor, Michigan 49022 until 11:00 A.M., Thursday, April 2, 2015 at which time and place they will be publicly opened and read aloud for the following:

1. SURVEY EQUIPMENT

All bids will be tabulated and presented to the Board of County Road Commissioners at their next regular meeting.

All bids shall be signed in ink and sealed in an envelope with the name of the items bid upon and the name of the bidder plainly marked on the outside. Specifications and proposal blanks may be obtained at the office of the Berrien County Road Commission.

The Road Commission reserves the right to accept or reject any or all bids, to waive defects in a proposal and to award the Bid in any manner deemed to be in the best interest of Berrien County.

Please visit our Website for Bid Proposals: www.bcroad.org

**BY THE BOARD OF COUNTY ROAD COMMISSIONERS
OF THE COUNTY OF BERRIEN
AUGUST ZIELKE
TIM LYNCH
JESS MINKS
WILLIAM HODGE**

BERRIEN COUNTY ROAD COMMISSION

SURVEY EQUIPMENT SPECIFICATIONS

1. PS ROBOT KIT

213067102 TOPCON PS103 ROBOT
210150005 360 PRISM
59010 TRIPOD
60218 8 FOOT POLE

Specifications

Telescope

Resolving power 2.5"

Magnification 30x

Angle Measurement

Min. Resolution/Accuracy

PS-101 1"

PS-103 3"

PS-105 5"

Tilt Angle Compensation

Compensation Dual-axis compensator

Range $\pm 6^\circ$

Distance Measurement

Prism EDM Range 6,000m

Prism EDM Accuracy 1.5mm+2ppm

Non-Prism Range 1,000m

Non-Prism Accuracy 2mm+2ppm (0.3-200m)

Measuring Time Fine: 0.9 sec

Rapid: 0.6 sec

Tracking: 0.4 sec

Communications

- LongLink™ rover communication*

- USB 2.0 Slot (Host + Slave)

- RS-232C Serial

General

Display Color Touch TFT 240 x 320 QVGA Display

Keyboard 25 keys with illuminator

Battery Operation Up to 4 hours

Dust/Water Protection IP65

Wireless Connection *Bluetooth*® Class 1

Operating Temperature -20°C to +50°C (-4°F to +122°F)



PS103 ROBOT



360 PRISM



TRIPOD

BERRIEN COUNTY ROAD COMMISSION

2. DATA COLLECTOR KIT

- 61108 TESLA DATA COLLECTOR GEO MODEL
- 1000183-01 POLE BRACKET
- 1002832-01 MAGNET COMPLETE SOFTWARE WITH HYBRID



TESLA DATA COLLECTOR GEO MODEL



POLE BRACKET

BERRIEN COUNTY ROAD COMMISSION

3. GPS KIT

1000694-01 HIPERSR GPS/GLONASS RECEIVER KIT
1003241-01 HYBRID ADAPTER



HIPERSR GPS/GLONASS RECEIVER KIT



HYBRID ADAPTER

BERRIEN COUNTY ROAD COMMISSION

4. OPTIONAL RC5 KIT 1001259-01 RC5 QUICK LOCK KIT



RC 5

BERRIEN COUNTY ROAD COMMISSION PROPOSAL

The proposal must be made on this form and is to be placed in a sealed envelope plainly marked on the outside indicating the item bid upon and the name of the bidder.

Bidder to provide 12 hours of on-site training for Berrien County Road Commission staff. Training shall be provided if needed on 3 separate days. This training to be provided in the prices bid.

QUANTITY

- Bids will be received on 1 each the following:
1. PS ROBOT KIT
 2. DATA COLLECTOR KIT
 3. GPS KIT
 4. OPTIONAL RC 5 KIT

BID PRICE

1. PS ROBOT KIT _____
2. DATA COLLECTOR KIT _____
3. GPS KIT _____

Total Price _____

4. OPTIONAL EXTRA RC 5 KIT _____

NAME AND ADDRESS OF BIDDER

NAME _____

ADDRESS _____

CITY AND STATE _____

BID SUBMITTED BY _____

(Signature)

TELEPHONE NUMBER _____

DATE _____

The Commission reserves the right to reject any or all bids, waive irregularities in the bidding and to award the bid in any manner deemed to be in the best interest of the Road Commission.