



Road Weather Information Systems (RWIS)

May 22, 2017
Requisition # K011504

ADDENDUM #1

The following information consists of changes, additions, omissions, deletions, or clarifications to the above mentioned project. All other information will remain the same. Please notify everyone concerned (subcontractors and suppliers) as to the issuance and contents of this Addendum prior to the date of bid opening.

Question #1

Table 1, Item 1 calls for 25' Instrument Tower. The models that we have seen come in 20' or 30' heights. 30' has been the Idaho standard for many years. Does ITD require a 25' tower?

Answer #1

Tower height is amended to 30' in Table 1 and in 2.2, first bullet item.

Question #2

Table 1, Item 8 calls for a WMS301. Vaisala has indicated that the sensor is no longer being manufactured and furthermore is not supported by the RWS200. We recommend replacing Item 8 with the RM Young as it is now the standard low power analog sensor that is appropriate for solar installations and has been used in the two previous Idaho RWS200 installations.

Answer #2

Table 1 Item 8 is amended to "R M Young mechanical wind sensor, Model 05108-45"

Question #3

Table 1, Item 11 calls for a "Temperature, Humidity, Barometric Pressure, Vaisala HMP155". The HMP155 is only capable of temp and humidity. Pressure will require a PTB110. We recommend adding a separate line item if that parameter is desired.

Answer #3

Add item 11.5 to Table 1, "Barometric Pressure Sensor model PTB110"

Question #4

Table 1, Item 16 calls for 4 panels @ 125W/ea. Recent standard solar installation has been 3 @ 190W minimum. We recommend the 570W minimum over the 500W called out in Item 16.

Answer #4

Contractor design will determine site specific solar panel requirements with a minimum array configuration of 500 watts as noted.

Question #5

Table 1, Item 18 calls for a SR50A-RS485. Table 1, Item 22 calls for a Campbell Scientific SR50A-L. These two items are identical units. Is ITD's intent to seek pricing from multiple vendors?

Answer #5

Table 1, page 10, delete items 20, 21, and 22.

Question #6

Table 1, Item 20 calls for an ETI NOAH All Weather Precipitation Gauge. Vaisala has indicated that ETI's sensors are not currently compatible with the RWS200. Does ITD intend to install these gauges at older RPU's? If so, which of the three NOAH models does ITD require? If not, will ITD require data integration from an outside source?

Answer #6

See response to question 5.

Question #7

Will ITD be ensuring cell modem connectivity at each selected site in addition to determining power availability?

Answer #7

Yes

Question #8

Will ITD be activating and assuming ownership of the 4G modems at install or will contractor be required to pay the monthly fee? If the latter, for what length of time?

Answer #8

ITD will assume costs for activation of modems and monthly service fees.

Question #9

Who is responsible for Data Integration set up costs (i.e. adding new stations to poller and navigator)?

Answer #9

ITD

Question #10

Previous buildout contracts have required a designated Traffic Control Supervisor (TCS), will that still be required as part of the contractor supplied traffic control?

Answer #10

No.

Question #11

At 2.2 Construction Requirements, it calls for "Testing and diagnostic equipment for ITD first line maintenance" with each site. Can ITD specify what additional equipment will be required?

Answer #11

Delete this bullet.

Question #12

At 2.2 Construction Requirements, it calls for "25 foot camera pole" but does not specify construction. DSC/DST pole "shall be a standard ITD luminaire pole". Is the same required for the camera pole or will a 25 foot wooden pole be an acceptable alternative?

Answer #12

Page 12, Revise to: "25 foot camera pole shall be either galvanized steel or aluminum material. Camera pole and foundation shall be designed by the contractor to meet environmental factors in the design code. Pole foundation shall be precast concrete. Poles shall have breakaway couplings. The electronics cabinet shall be mounted on the pole."

Question #13

We presume that “if a pole is required (DST111 & DSC211)” it will be placed in the “Clear Zone” on breakaway couplings. Currently sites are undefined with regard to this requirement. How will we be compensated for necessary poles or do we include them in the price of all of items 3 & 4. We suggest a separate add item for these poles and installation with base.

Answer #13

Attachment A Bid Schedule, Delete items 13, 14, and 15. Add new item 13 “Separate DST111 and DSC211 mounting pole with breakaway couplings”

Question #14

If camera poles are within the “Clear Zone” they will require breakaway couplings. Do we include those couplings for all camera poles? We suggest an add item for breakaway poles and(or) couplings.

Answer #14

See response to question 12.

Question #15

Can ITD provide a scope of work for RWIS Component Engineering Items 1-3?

Answer #15

Section 2 Scope of Work, page 8 , insert the following after paragraph 1:

The contractor is responsible for designing the RWIS and camera only sites in accordance with Section 3.3 Codes. Design drawings shall include a site plan showing site location, topography, grading, structures, fencing, power equipment, and any structural and electrical detail drawings required to construct the site. Construction drawings will be submitted for approval by ITD, and be approved by ITD prior to starting construction. Design calculations for structural components and solar panel capacity determination shall be submitted to ITD for review and approval with the construction drawings.

Question #16

Section 1.9 – Site Examination

a. General site locations have been provided in the ITB specification but no specific locations have been identified. To better understand site conditions, will further details be provided on locations?

Answer #16

No further details are available at this time.

Question #17

Section 1.9 – Site Examination

a. General site locations have been provided in the ITB specification but no specific locations have been identified. To better understand site conditions, will further details be provided on locations?

Answer #17

The solar site photovoltaic panels need to be designed for a full complement of sensors.

Question #18

Table 1 – Standardized RWIS Site Components

a. 1. – 25’ Instrument Tower with pre-cast foundation

i. The FHWA recommends wind speed / wind directions readings be taken at a height of 30’. Can ITD please confirm the RWIS tower height at 25’?

Answer #18

Tower height has been amended to 30 feet.

Question #19

Table 1 – Standardized RWIS Site Components

a. 8. – Wind Sensor, Vaisala WMS301

i. The WMS301 is not supported by the RWS200 RPU. Would ITD consider substituting the RM Young Mechanical Wind Sensor (Model 05108-45) as a standard component instead of optional for solar sites?

Answer #19

Yes, already revised.

Question #20

Section 2.5 – Data Communication and Integration Requirements

a. Are all data charges (data hosting and modem service) captured under a separate agreement or included in the Scope of Work for this ITB?

Answer #20

All data charges are the responsibility of ITD.

Question #21

Section 2.8 – Warranty Requirements

a. In Paragraph 2, there is mention of “repair or replace” at “no charge to ITD”. Is this assumed to be a factory warranty or was the intent for this be an on-site warranty?

Answer #21

The reference is for factory warranties.

Question #22

Section 3.1 – Subletting/Subcontracting

a. In regards to the Public Works Contractors license, if a subcontractor is to be used can their Public Works license satisfy the requirement?

Answer #22

Yes, if the subcontractor is performing the trade work covered by the public works license.

Question #23

Section 3.1 – Subletting/Subcontracting

a. For the Public Works Contractors license, must that be secured before bid submission or can that be finalized during the award period.

Answer #23

Public Works License must be secured before contract award.

Question #24

Attachment A – Bid Schedule

a. RWIS Component Engineering

i. What is the expected deliverable for Item numbers 1, 2, &3? There is no mentioned specifics in the IFB specification.

Answer #24

See answer from earlier question.

Other Revisions:

Page 8, second paragraph, second sentence, revised to: "There are two optional sensors (subsurface temperature probe and snow height sensor) that may be added to any of the sites included in change order authorizations."

***There are no other changes.
End of Addendum One***

I acknowledge that I have received and read this addendum, and that failure to return a signed copy of this addendum with my response may result in my bid being found non-responsive.

Bidder (company name): _____

Authorized Signature: _____

Printed Name: _____

Date: _____

**THIS ADDENDUM MUST BE SIGNED, DATED AND RETURNED WITH YOUR
RESPONSE**