

STATE OF ALASKA RFP NUMBER 2517H004  
AMENDMENT NUMBER FIVE (5)

AMENDMENT ISSUING OFFICE:

Department of Transportation & Public Facilities  
Statewide Contracting & Procurement  
P.O. Box 112500  
(3132 Channel Drive, Room 350)  
Juneau, Alaska 99801-7898



THIS IS NOT AN ORDER

DATE AMENDMENT ISSUED: May 1, 2017

RFP TITLE:

Road Weather Information Systems (RWIS) Operations, Maintenance, and Equipment

This is a mandatory return Amendment. Your proposal may be considered non-responsive and rejected if this signed amendment is not received [in addition to your proposal] by the date and time proposals are due.

The following changes are required:

- 1) Re-opens the RFP and provides a new closing date of May 16, 2017 at 4 pm.
- 2) Amends the Cost Proposal and is included as "Cost Proposal Amendment #5".
- 3) Vendor's have the option to resubmit a new proposal or send a supplement to the proposal they have already submitted. All vendors must submit their cost on "Cost Proposal Amendment #5". Offerors who have submitted proposals previously are responsible for notifying the Procurement Officer if their proposal replaces their original in whole and the previous submission should be destroyed or returned by mail. By signature on this mandatory return Amendment, the Offeror is acknowledging their compliance with modifications to the original RFP established in this Amendment.
- 4) Amends the RFP to allow for the proposals and cost proposals, or supplement to previously submitted proposal to be sent via email.

If submitting a proposal via email, the technical proposal and cost proposal must be saved as separate PDF documents and emailed to Janice.Wilson@alaska.gov as separate, clearly labeled attachments, such as "Vendor A - Technical Proposal.pdf" and "Vendor A - Cost Proposal.pdf", or "Vendor A - Supplement.pdf" (Vendor A is the name of the offeror). The email must contain the RFP number in the subject line.

The maximum size of a single email (including all text and attachments) that can be received by the state is 20mb (megabytes). If the email containing the proposal exceeds this size, the proposal must be sent in multiple emails that are each less than 20 megabytes and each email must comply with the requirements described above. It is the offeror's responsibility to contact the issuing agency at 907-465-8446 to confirm that the proposal has been received. The state is not responsible for unreadable, corrupt, or missing attachments.

5) RFP Section 2.07 Prior Experience is amended to clarify item #1 and adds item #3:

1. Any/all staff listed in proposal who will be performing either remote or on-site, hands-on, troubleshooting, preventative maintenance, repair, replacements or upgrades on the road weather information systems equipment and servers must have at a minimum four (4) years' previous experience performing these same tasks on road weather information systems equipment. For purposes of this RFP, RWIS is hereby defined as a utility pole installed alongside or near a roadway that includes, but is not limited to, the following equipment: a NEMA cabinet, RPU or data logger, ESS equipment, IR illuminator, and power and communications equipment.

Minimum experience must be clearly documented for any staff performing either field level or remote network tasks such as trouble shooting (onsite or remotely), on-site calibration, installation, commissioning, and replacing or upgrading sensors.

3. Part of this contract includes installation and commission of pavements sensors, sub-probes, and temperature data probes (TDP). Proposals must include the bidder's or subcontractor's General Contractor license. Proposal must clearly state who is performing this work, prime or subcontractor. Resumes from the contractor performing the General Contractor work must be provided documenting previous experience with installation and commissioning of sub-probes and temperature data probes (TDP).

6) Section 6.06 Experience and Qualifications is amended to clarify paragraphs 3 and 4.

All site work deemed as construction or of an electrical nature shall be performed by a General Contractor licensed in the State of Alaska for the type of work being performed. All field work that can be classified as construction (such as replacing current or installing new pavement sensors or TDPs) shall conform to the requirements of the Alaska Department of Labor, regarding rates of pay, benefits, and other requirements. <http://labor.state.ak.us/lss/pamp600.htm>

The evidence submitted with your proposal in support of prior experience is a required part of the proposal which will be forwarded to the Procurement Evaluation Committee members for their consideration during the evaluation process. Offerors (which includes all proposed staff except Administrative) will be evaluated on their level of involvement with the projects offered as examples. Therefore, a complete description of the offeror's role/level of involvement in the example projects must be included in the proposal. References and resumes must document a minimum of four years' experience on RWIS equipment for staff who will be working either hands-on with the RWIS equipment or remotely on the servers.

All other Terms, Conditions, Schedules and Scope remain the same.

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Janice Wilson



Procurement Officer

PHONE: (907) 465-8446

FAX: (907) 465-3124

EMAIL: Janice.Wilson@alaska.gov

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NAME OF COMPANY

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DATE

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PRINTED NAME

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SIGNATURE

## COST PROPOSAL (AMENDMENT #5)

Note: The purpose of the cost formula is to provide a mechanism for offerors to submit costs per each deliverable in a manner that ADOT&PF can evaluate and score. Please enter your cost in the spaces provided below for completing each deliverable.

The successful offeror must provide a cost proposal that is inclusive of **ALL COSTS** to provide the goods and services outlined in this RFP.

**Offerors must complete and submit** all portions of this cost proposal for the purpose of proposal scoring. Failure to do so will result in the proposal being declared non-responsive and rejected. **No cost information shall be included in the body of the proposal.**

The cost proposal is split into three sections. Section one covers the vendors fully loaded labor rates. Section two covers costs for equipment and materials. Section three provides an evaluation cost summary for the purpose of proposal cost evaluation.

### **Section One**

1. **Labor Costs - offerors shall complete the following table, estimating the total costs based on the Estimated Annual Hours provided in the table.**

Job Class	Employee Name	Estimated Annual Hours	Fully-loaded Hourly Rate	Est. Annual Hrs x Hourly Rate
Project Manager		150	\$	\$
RWIS Technician- Weekly scanning and troubleshooting		105	\$	\$
Field Technician 1		600	\$	\$
General Contractor – Field Technician		50	\$	\$
Administrative Support		50	\$	\$
Other		50	\$	\$
<b>Total Estimated Annual Labor Cost</b> (For Evaluation Purposes)				\$

2. **Training – including instructor, travel, facility and all training materials. The state does not guarantee any minimum or maximum number of training sessions will be required.**

Training	Cost per Training
One 4-hour Operator Interface Training for up to 15 people	\$
One 8-hour training on Field Equipment and Components (equipment identification and operation) for up to 4 people	\$
One 8-hour field training on Field Equipment and Components (high-level diagnosing, troubleshooting and preventative maintenance) at an existing Anchorage ESS for up to 4 people	\$
One 8-hour Installation and Data Integration training session for up to 3 people	\$
<b>Total Training Costs</b> (For Evaluation Purposes)	\$

3. **Maintenance and Operations – per RFP Section 5.05 for each of the 65 existing sites.**

<b>Maintenance</b>	<b>X 65 sites</b>	<b>Total</b>
1. Operation of Network (monthly)		\$
2. Data Integration Network (monthly)		\$
<b>TOTAL MAINTENANCE COSTS</b> (For Evaluation Purposes)		\$

Total points for cost will be calculated using the formula as stated in Section 2.13 based on the following TOTAL COST:

<b>1. Total Estimated Annual Cost for Labor (total from above)</b>	<b>\$</b>
<b>2. Total Training Costs (total from above)</b>	<b>\$</b>
<b>3. Total Maintenance Costs (total from above - monthly)</b>	<b>\$</b>
<b>TOTAL COST</b>	<b>\$</b>

## **Section Two – Costs for Equipment**

Offerors shall propose a fixed fee for each equipment make and model proposed to be supplied as part of this contract. ADOT&PF does not commit to any minimum number of purchases of equipment. The following table is provided as a guideline. Offerors shall include a minimum of two types of each equipment, however additional rows may be added to include additional devices. In addition, offerors may combine rows on this table, for situations when one device performs multiple measurements.

In order to calculate a total cost for use in evaluating proposals, ADOT&PF will sum the total costs of the two models proposed for each measurement type. If an offeror includes additional models beyond two for each measurement, the additional models will not be included in the analysis of cost proposals. If an offeror only includes one model, the cost of the one model will be counted two times. The performance and quality of the two proposed equipment (for each device) will be used in the evaluation of prior performance.

While ADOT&PF has stated that 'all-in-one' RWIS stations will not be accepted as solutions for this solicitation, ADOT&PF understands that the combination of two or more measurements to be performed by one sensor is logical and can be an efficient way to accomplish the needs while minimizing the sensor costs. Therefore, Offerors are allowed to adjust the table below to indicate those situations where two or more measurements are to be accomplished by one sensor.

Measurement	Equipment Proposed (make & model)	Notes	Price per unit
Air Temperature <sup>1</sup>	1.		\$
	2.		\$
Relative Humidity <sup>1</sup>	1.		\$
	2.		\$
Wind Speed <sup>2</sup>	1.		\$
	2.		\$
Wind Direction <sup>2</sup>	1.		\$
	2.		\$
Precipitation Occurrence <sup>3,4</sup>	1.		\$
	2.		\$
Precipitation Type <sup>4</sup>	1.		\$
	2.		\$
Precipitation Rate <sup>4</sup>	1.		\$
	2.		\$
Precipitation Intensity <sup>4</sup>	1.		\$
	2.		\$
Precipitation Accumulation – Measured (heated)	1.		\$
	2.		\$
Precipitation Accumulation – Measured (not heated)	1.		\$
	2.		\$
Precipitation Accumulation <sup>4</sup> – Estimated	1.		\$
	2.		\$
Visibility <sup>4</sup>	1.		\$
	2.		\$
Visibility Situation <sup>4</sup>	1.		\$
	2.		\$
Station Atmospheric Pressure	1.		\$
	2.		\$
Snow Depth	1.		\$
	2.		\$

Measurement	Equipment Proposed (make & model)	Notes	Price per unit
Water Level	1.		\$
	2.		\$
Solar Radiation	1.		\$
	2.		\$
Pavement Temperature	1.		\$
	2.		\$
Pavement Grip (friction)	1.		\$
	2.		\$
Pavement Contaminant Depth	1.		\$
	2.		\$
Soil Temperature 18" Sub-Probe	1.		\$
	2.		\$
Temperature Acquisition Cables <sup>7</sup>	1.		\$
	2.		\$
Visual Observation (e.g. cameras)	1.		\$
	2.		\$
Infrared Illuminators	1.		\$
	2.		\$
Remote Processing Unit (RPU) <sup>5</sup>	1.		\$
	2.		\$
Support Structures <sup>6</sup>	1.		\$
	2.		\$
Weather Cabinet	1.		\$
	2.		\$
<b>TOTAL EQUIPMENT COST</b> (For Evaluation Purposes)			\$

**Notes:**

1. One combined sensor package providing temperature and relative humidity
2. One combined sensor package providing wind direction and speed. One offering shall be in a heavy duty configuration.
3. ADOT&PF's preference is not a YES/NO sensor but rather a sensor that provides multiple sensor precipitation outputs, i.e., accumulation, intensity, rate, type, etc.
4. One sensor package providing electronic estimation of precipitation occurrence, type, rate, intensity, and accumulation plus visibility and visibility situation.
5. One RPU offering must be a Campbell Scientific data logger that is appropriate for the sensor array. ADOT&PF currently use CR1000 and CR6 dataloggers.
6. Pole/tower. ADOT&PF has used the Millerbernd 30' Surveillance Camera Pole specification and has pole base design drawings. A second offering should be a pole designed to mount a side fire radar non-intrusive pavement temperature sensor.
7. A. One offering should be a 6' thermistor string with thermistors placed at 3", 6", 9", 12", 18", 24", 36", 42", 48", 54", 60", 66", 72", and provisions on in-pavement pigtail.  
B. A second offering should include customized spacing and thermistor string length.