

**STATE OF ALASKA RFP NUMBER 2517H004
AMENDMENT NUMBER FOUR (4)**

AMENDMENT ISSUING OFFICE:

Department of Transportation & Public Facilities
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THIS IS NOT AN ORDER

DATE AMENDMENT ISSUED: March 3, 2017

RFP TITLE:

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

This is an Informational Amendment only and is not required to be returned to the State of Alaska with interested parties' proposals.

The following changes are required:

- 1) Answers questions submitted by interested vendors.
 - 2) Amends Cost Proposal and is included as "Cost Proposal Amendment #4".
- Vendor questions have been answered as follows:
 1. Can you clarify Section 3 - Maintenance and Operations - of the Pricing Proposal line 3 Preventive Maintenance?
ANSWER: This would most likely be all T&M. It has been changed to reflect this.
 2. RFP Section 5.05 Contains Operations of Network and Data Integration of Network, but makes no mention of Preventative.
In addition, Section 5.05 refers to Monthly Maintenance, so we can only presume the numbers for the pricing proposal in section 3 are monthly, is this correct?
ANSWER: This is correct. I've added "monthly" to the cost proposal for this section.
 3. We are currently populating our cost proposal and I have found a little more confusion in section 1 subsection 3 on page 47 of the RFP. Specifically I am unsure how ADOT is expecting vendor pricing on the Random maintenance line 4 since the T&M expenses have an asterisk in the total column but nothing in the previous column. To our team this seems to indicate that ADOT is asking for an estimated price for Random maintenance while alluding that the total will be weighted by ADOT during the pricing evaluation.
ANSWER: Since preventative and random maintenance are T&M, we will remove those from the Maintenance & Operations table and evaluate the hourly rates in the Labor Costs table.

4. Can the DOT provide event logs reflecting percent offline status by system, equipment, and location?

ANSWER: We do not have anything in place to capture this data.

5. Can the DOT provide event reports reflecting typical replacement cycles (failure events) by system, equipment, and location?

ANSWER: We do not have anything in place to capture this data. Equipment is replaced when it fails. It is not on any regular cycle.

6. The cost proposal section 3 page 47; are these prices for operation, data integration, preventative, random maintenance supposed to be submitted in monthly, quarterly, or annual dollars?

Section 5.05 refers to monthly and quarterly pricing, and section 3 of the cost proposal asks for "Total Maintenance Costs" which to us "total" would indicate an annual per site rate and total.

ANSWER: The cost proposal has been amended to provide clarification and is included as "Cost Proposal Amendment #4".

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

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COST PROPOSAL (AMENDMENT #4)

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	\$	\$
Technician- Weekly scanning and troubleshooting		105	\$	\$
Field Technician 1 –		600	\$	\$
Field Technician 2 – Support Personnel		300	\$	\$
Administrative Support		50	\$	\$
Other		50	\$	\$
Total Estimated Annual Labor Cost (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	\$
Total Training Costs (For Evaluation Purposes)	\$

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

Maintenance	X 65 sites	Total
1. Operation of Network (monthly)		\$
2. Data Integration Network (monthly)		\$
TOTAL MAINTENANCE COSTS (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:**

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

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 ¹	1.		\$
	2.		\$
Relative Humidity ¹	1.		\$
	2.		\$
Wind Speed ²	1.		\$
	2.		\$
Wind Direction ²	1.		\$
	2.		\$
Precipitation Occurrence ^{3,4}	1.		\$
	2.		\$
Precipitation Type ⁴	1.		\$
	2.		\$
Precipitation Rate ⁴	1.		\$
	2.		\$
Precipitation Intensity ⁴	1.		\$
	2.		\$
Precipitation Accumulation – Measured (heated)	1.		\$
	2.		\$
Precipitation Accumulation – Measured (not heated)	1.		\$
	2.		\$
Precipitation Accumulation ⁴ – Estimated	1.		\$
	2.		\$
Visibility ⁴	1.		\$
	2.		\$
Visibility Situation ⁴	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 ⁷	1.		\$
	2.		\$
Visual Observation (e.g. cameras)	1.		\$
	2.		\$
Infrared Illuminators	1.		\$
	2.		\$
Remote Processing Unit (RPU) ⁵	1.		\$
	2.		\$
Support Structures ⁶	1.		\$
	2.		\$
Weather Cabinet	1.		\$
	2.		\$
TOTAL EQUIPMENT COST (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.