

Road Weather Information System (RWIS)**FY2013 Request: \$1,400,000****Reference No: 41535****AP/AL:** Allocation**Project Type:** Construction**Category:** Transportation**Location:** Statewide**House District:** Statewide (HD 1-40)**Impact House District:** Statewide (HD 1-40)**Contact:** Pat Kemp**Estimated Project Dates:** 07/01/2012 - 06/30/2019**Contact Phone:** (907)465-3900**Appropriation:** Surface Transportation Program**Brief Summary and Statement of Need:**

The project includes new, upgraded or replacement software and hardware associated with the statewide network of environmental sensor stations (ESS), including maintenance and operations (M&O) activities to maintain the network of sensors. This also includes system integration, website upgrades, enhancements and integration to other travel information systems (including 511) and AURORA membership.

Funding:	<u>FY2013</u>	<u>FY2014</u>	<u>FY2015</u>	<u>FY2016</u>	<u>FY2017</u>	<u>FY2018</u>	<u>Total</u>
Fed Rcpts	\$1,400,000						\$1,400,000
Total:	\$1,400,000	\$0	\$0	\$0	\$0	\$0	\$1,400,000

<input type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	0
Totals:	0	0

Additional Information / Prior Funding History:

None.

Project Description/Justification:

The Road Weather Information System (RWIS) deployment is a network of over 50 environmental sensor stations (ESS) strategically located along major roadways in Alaska. Each station has environmental sensors that collect atmospheric data, pavement temperatures, sub-surface pavement temperatures, and visual images. The RWIS provides information for Department of Transportation and Public Facilities (DOT&PF) Maintenance and Operations to make winter maintenance decisions such as snow plowing and deicing activities and for safety and efficiency of travel. RWIS data are available internally through ScanWeb, externally to the public via the DOT&PF public RWIS web site (<http://roadweather.alaska.gov/>), and through 511 Travel in the Know (<http://511.alaska.gov/>). RWIS data are also shared with the National Weather Service and the military.

Four new sites are planned in federal fiscal year (FFY) 2012 in the Fairbanks area. These sites will include air quality sensors that will benefit the Fairbanks North Star Borough used for non-attainment purposes. Remaining funds will be used to upgrade and maintain the current network of sites, i.e., upgrade cameras to collect night time images, non-intrusive pavement sensors, etc.

This project contributes to the Department's Mission by reducing injuries, fatalities and property

State of Alaska Capital Project Summary

Department of Transportation/Public Facilities

Final Total SLA 2012 FY12&13

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damage and by improving the mobility of people and goods.