

Statewide - Road Weather Information System (RWIS)**FY2017 Request: \$3,000,000****Reference No: 41535****AP/AL:** Allocation**Project Type:** Information Technology / Systems / Communication**Category:** Transportation**Location:** Statewide**House District:** Statewide (HD 1-40)**Impact House District:** Statewide (HD 1-40)**Contact:** Mike Vigue**Estimated Project Dates:** 07/01/2016 - 06/30/2021**Contact Phone:** (907)465-4070**Appropriation:** Surface Transportation Program**Brief Summary and Statement of Need:**

This project includes new, upgraded, or replaced software and hardware associated with the statewide network of environmental sensor stations (ESS), including network maintenance and operation activities. The project also includes new technology sensors, website upgrades, network enhancements, integration to other traveler information systems (including 511), and membership in the AURORA Transportation Pooled Fund.

Funding:	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	Total
1002 Fed Rcpts	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000		\$15,000,000
Total:	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$0	\$15,000,000

<input checked="" type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input checked="" type="checkbox"/> On-Going
9% = 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

Prior Funding History / Additional Information:

Sec1 Ch35 SLA2015 P16 L20 SB26 \$3,000,000

Sec1 Ch17 SLA2012 P147 L24 SB160 \$1,400,000

Project Description/Justification:

The Road Weather Information System (RWIS) is a network of over 60 ESS strategically located along major roadways in Alaska. Each station has sensors that collect atmospheric data, pavement temperature and condition, sub-surface pavement temperatures, and visual images. The RWIS provides information to the Department of Transportation and Public Facilities (DOT&PF) for Maintenance and Operations winter weather maintenance decisions such as snow plowing and deicing activities, for DOT&PF seasonal weight restriction decisions, and for safe and efficient travel. RWIS data are available on the DOT&PF road weather web site (<http://roadweather.alaska.gov>) and the 511 Travel in the Know web site (<http://511.alaska.gov>). RWIS data are shared with the National Weather Service for forecasts and the military.

Funding will be used to install new, upgrade and maintain the current network of sites, i.e., upgrade cameras to collect night time images, non-intrusive pavement temperature and condition sensors, and

state-of-the-science sensors.