Road Weather Information System (RWIS)

AP/AL: Allocation
Category: Transportation
Location: Statewide
Impact House District: Statewide (HD 1-40)
Estimated Project Dates: 07/01/2012 - 06/30/2019
Appropriation: Surface Transportation Program

FY2013 Request: $1,400,000
Reference No: 41535

Project Type: Construction
House District: Statewide (HD 1-40)
Contact: Pat Kemp
Contact Phone: (907)465-3900

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:

<table>
<thead>
<tr>
<th>Year</th>
<th>FY2013</th>
<th>FY2014</th>
<th>FY2015</th>
<th>FY2016</th>
<th>FY2017</th>
<th>FY2018</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fed Rcpts</td>
<td>$1,400,000</td>
<td></td>
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<td>$1,400,000</td>
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<tr>
<td>Total:</td>
<td>$1,400,000</td>
<td>$0</td>
<td>$0</td>
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<td>$0</td>
<td>$1,400,000</td>
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0% = Minimum State Match % Required
One-Time Project
Phased - new
Phased - underway
Amendment
Mental Health Bill
On-GOING

Operating & Maintenance Costs:

<table>
<thead>
<tr>
<th></th>
<th>Amount</th>
<th>Staff</th>
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</thead>
<tbody>
<tr>
<td>Project Development:</td>
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<td>0</td>
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<tr>
<td>Ongoing Operating:</td>
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<td>One-Time Startup:</td>
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<tr>
<td>Totals:</td>
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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 damage.
Road Weather Information System (RWIS) FY2013 Request: $1,400,000
Reference No: 41535

damage and by improving the mobility of people and goods.