

**Statewide - Temperature Data Probe Network****FY2014 Request: \$200,000****Reference No: 56905****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:** 07/01/2013 - 06/30/2020**Contact Phone:** (907)465-3900**Appropriation:** Surface Transportation Program**Brief Summary and Statement of Need:**

This project will upgrade the statewide temperature data probe (TDP) network that provides the vertical temperature profiles for the seasonal weight restriction program. Non-working TDP sensors will be replaced, selected new sites will be installed, and communication hardware upgraded. The project includes TDP purchase, TDP installation, data loggers, and communication equipment.

<b>Funding:</b>	<u>FY2014</u>	<u>FY2015</u>	<u>FY2016</u>	<u>FY2017</u>	<u>FY2018</u>	<u>FY2019</u>	<u>Total</u>
Fed Rcpts	\$200,000						\$200,000
<b>Total:</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>

<input checked="" 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
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	
<b>Totals:</b>	<b>0</b>	<b>0</b>

**Prior Funding History / Additional Information:**

No prior funding history

**Project Description/Justification:**

The Temperature Data Probe (TDP) network project will provide repairs to TDP sensors that are not operating due damage or wear, upgrade communications so the TDP sites can be automatically polled, and installation of new sites at strategic locations. The TDP network provides real-time temperature profiles from the road surface down to six feet for use in determining seasonal weight restrictions. Weight limitations during the spring thaw restrict the Maximum Allowable Axle or Axle Group Weights to less than the typical summer/winter loads. These restrictions help prevent pavement damage, avoid higher maintenance costs, and limit vehicle wear and tear. The DOT&PF regional maintenance engineers use the temperature profiles, along with other parameters, to add or remove large vehicle weight restrictions, in the spring. Timely weight restriction notices allow commercial trucking the opportunity to plan their work schedules and minimize the impacts of hauling less than full loads.