

Statewide - Highway Data Equipment Acquisition and Installation

FY2016 Request: \$3,500,000
Reference No: 36196

AP/AL: Allocation

Project Type: Equipment / Commodities

Category: Transportation

Location: Statewide

House District: Statewide (HD 1-40)

Impact House District: Statewide (HD 1-40)

Contact: Jeff Ottesen

Estimated Project Dates: 07/01/2015 - 06/30/2020

Contact Phone: (907)465-4070

Appropriation: Surface Transportation Program

Brief Summary and Statement of Need:

This project is for the design, construct or rehabilitate traffic data collection sites and develop software for the state's federally required traffic monitoring system for highways (TMS/H). This project includes purchase of items such as: traffic data counters; cameras; computers; software for in office data retrieval; program evaluations; and, IT needs for data collection, communications, and software.

Funding:	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	Total
Fed Rcpts	\$3,500,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$18,500,000
Total:	\$3,500,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$18,500,000

<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 Ch16 SLA2013 P95 L5 SB18 \$2,000,000

Project Description/Justification:

The Alaska Department of Transportation and Public Facilities' (DOT&PF) Division of Program Development is responsible for collecting, archiving and distributing accurate vehicle volume, classification and speed data. The data is used to meet Federal Highway Administration (FHWA) requirements to provide highway use data for: apportionment of federal-aid funds, bridge, pavement and road design; congestion management; annual reporting requirements; and other issues as they relate to transportation and commerce.

The purpose of the traffic data system (TDS) program is to provide vehicle volume, vehicle classification, and speed data to the states TMS/H collected at various road locations. (Truck weight (Weigh-in-Motion (WIM)) data is included under the WIM equipment project).

This project will support the replacement or upgrade of traffic recorder equipment for continuous and short term traffic counts. Also included are continuations of upgrading permanent volume sites to vehicle classification (VC) sites, the addition or replacement of temperature probes and software to retrieve and process data (i.e. quality control) to include the data in the state's legacy highway analysis system traffic data system (HAS/TDS) mainframe. In addition, funds will be used to

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determine and acquire a replacement for mainframe system which will meet current reporting requirements such as reporting data by lane in addition to direction.

There are over 100 continuous traffic counting sites. In the last three years, over 30 sites with a total of more than 85 lanes were upgraded to collect VC data. During the past three years, over 225 counters were purchased to complete short term counts. In addition, 65 modems were replaced at permanent sites. Ten to fifteen sites will be upgraded or rehabilitated in the next two years depending on location and number of lanes.