

Statewide - Highway Data Initiatives

FY2011 Request: \$3,000,000

Reference No: 49680

AP/AL: Allocation

Project Type: Renewal and Replacement

Category: Transportation

Location: Statewide

Contact: Frank Richards

House District: Statewide (HD 1-40)

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Estimated Project Dates: 07/01/2010 - 06/30/2015

Appropriation: Surface Transportation Program

Brief Summary and Statement of Need:

This is a new FY11 capital request to provide a transition from the mainframe Highway Analysis System (HAS) to a new transportation data system that is integrated with the Department's geographic information system (GIS), is web-based, and links to multiple data sets. The project includes transportation data collection, management, and sharing across State departments; new highway safety and highway performance analysis tools; improved data access and query tools; and a full integration with GIS query and reporting capabilities. This project contributes to the Department's Mission by reducing the potential for injuries, fatalities and property damage and by improving the mobility of people and goods.

Funding:	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	Total
Fed Rcpts	\$3,000,000						\$3,000,000
Total:	\$3,000,000	\$0	\$0	\$0	\$0	\$0	\$3,000,000

<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	
Totals:	0	0

Additional Information / Prior Funding History:

None.

Project Description/Justification:

This project will provide Alaska Department of Transportation and Public Facilities (DOT&PF) with a new transportation data system to replace the legacy mainframe transportation data system, HAS, and that complies with federal, State, and department reporting requirements for traffic records, highway safety improvement, injury prevention, highway performance monitoring, highway design, and project selection; integrates the new data system with the Department's enterprise GIS; and provides efficient web-enabled interface for transportation data. This project provides analysis tools, query capability, and links to other data stores for fact-based decisions that support the Statewide Transportation Improvement Program, the Strategic Highway Safety Plan, the Highway Safety Improvement Program, and the Long Range Transportation Plan.

DOT&PF, Division of Program Development, is responsible for collecting, archiving, and distributing highway inventory, vehicle crash, and traffic data that includes vehicle volume, classification, and speed. These data are used to meet the USC23 and CFR23 requirements to (a) provide highway

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use data for apportionment of federal-aid funds; bridge, pavement, and highway design; congestion management; and Federal Highway Administration (FHWA) annual reporting requirements, (b) have in place a crash data system to provide timely and effective data analysis, problem identification, and countermeasure analysis that leads to allocation of highway safety resources, and (c) develop a Strategic Highway Safety Plan that advances the capabilities for traffic data collection, analysis, and integration with other sources of safety data.