

Statewide: Maintenance Management System**FY2005 Request: \$1,400,000****Reference No: 35917****AP/AL:** Allocation**Project Type:** Information Systems**Category:** Transportation**Location:** Statewide**Contact:** Nancy Slagle**House District:** Statewide (HD 1-40)**Contact Phone:** (907)465-3911**Estimated Project Dates:** 07/01/2004 - 06/30/2009**Appropriation:** Surface Transportation Program**Brief Summary and Statement of Need:**

To provide the Department with a tool to comply with Government Accounting Standards Board Statement Number 34 (GASB 34) reporting requirements for transportation infrastructure. GASB 34 requires documentation of maintenance and preservation activities on Alaska's highways, airports, and ports and identification of the systems' overall condition and level of service provided. Alaska began providing transportation asset expenditures and condition assessments on the State's annual financial statements in 2003. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

Funding:	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	Total
Fed Rcpts	\$1,400,000						\$1,400,000
Total:	\$1,400,000	\$0	\$0	\$0	\$0	\$0	\$1,400,000

<input checked="" type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input checked="" type="checkbox"/> Phased Project	<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
<u>One-Time Startup:</u>	0	
Totals:	0	0

Additional Information / Prior Funding History:

FY2004 - \$510,000; FY2003 - \$1,670,000.

Project Description/Justification:

The intent is to develop and deploy a Geographic Information System (GIS) module for the Maintenance Management System (MMS) to support feature inventory collection by:

- ? Providing the interface between the MMS and the handheld input devices
- ? Register new features as installation occurs
- ? Enable GIS map display for viewing feature location on the highway
- ? Providing accurate real-time reporting of condition for the highway features
- ? Enable future tracking of Global Positioning System (GPS) transmitter equipped vehicles for hazardous material and maintenance operations

The Condition Acquisition and Reporting System interface will enable posting/presenting weight restrictions, lane/road closures and detour routing information to the public through the Online Public Notice and 511 systems from the field. This GIS based module is important for delivery of information to department employees and the public.

The feature inventory data collection is a continuing cost associated with developing the MMS. To populate the database, M&O or Planning field personnel will collect features data. The condition assessment survey is essential to determining

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the condition of our transportation system to rate the level of service we are providing within the existing budget and identify how budget changes impact the level of service.

The Analysis/Programmer positions will support the three regions for system administration. The duties will include:

- ? System maintenance, program trouble shooting, assisting the departments Super Users with database table maintenance and evaluate user problems
- ? Analyze systems and design, develop, document, test, modify and implement programs using high level languages to solve specific problems
- ? Programming, Internet to systems analysts
- ? Analysis of the products of data processing and/or for which knowledge of the subject matter field is Oracle based.