

Highway Analysis System - Geographic Information System FY2008 Request: \$531,300
(HAS-GIS) Interface Reference No: AMD 41539

AP/AL: Allocation **Project Type:** Information Systems
Category: Transportation
Location: Statewide **Contact:** John MacKinnon
House District: Statewide (HD 1-40) **Contact Phone:** (907)465-6973
Estimated Project Dates: 07/01/2007 - 06/30/2012
Appropriation: Surface Transportation Program

Brief Summary and Statement of Need:

This project develops the Highway Analysis System - Geographic Information System (HAS-GIS) concept of operations, systems architecture, and long-term systems deployment. Project work includes road centerline/inventory data collection and processing, business process development (data quality, linear reference system, highway data warehouse, HAS-GIS Interface), a spatial geodatabase, GIS software, network systems, GIS tools, a highway data warehouse, training, and technical support. 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:	<u>FY2008</u>	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>Total</u>
Fed Rcpts	\$531,300						\$531,300
Total:	\$531,300	\$0	\$0	\$0	\$0	\$0	\$531,300

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input checked="" type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input checked="" 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

Additional Information / Prior Funding History:

FY2007 - \$300,000; FY2005 - \$700,000; FY2004 - \$750,000.

Project Description/Justification:

This project will integrate existing data contained within the Department's Highway Analysis System (HAS) and other external data with new visual capabilities of a Geographic Information System (GIS). This allows multiple data layers (types of data like roads, bridges and other assets) to be viewed in a visual map-like manner instead of in the traditional column/row textual view of the data. The HAS-GIS Interface will provide improved data quality, faster data analysis, and a more easily understood presentation. This information can be accessed via the internet for both internal users and the public.