

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

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

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: | FY2008 | FY2009 | FY2010 | FY2011 | FY2012 | FY2013 | Total |
|-----------------|-----------|--------|--------|--------|--------|--------|-----------|
| Fed Rcpts | \$531,300 | | | | | | \$531,300 |
| Total: | \$531,300 | \$0 | \$0 | \$0 | \$0 | \$0 | \$531,300 |

State Match Required One-Time Project Phased - new Phased - underway On-Going
0% = Minimum State Match % Required Amendment 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.