

**Geotechnical Asset Management Program****FY2013 Request: \$2,250,000****Reference No: 54317****AP/AL:** Allocation**Project Type:** Construction**Category:** Transportation**Location:** Statewide**House District:** Statewide (HD 1-40)**Impact House District:** Statewide (HD 1-40)**Contact:** Pat Kemp**Estimated Project Dates:** 07/01/2012 - 06/30/2019**Contact Phone:** (907)465-3900**Appropriation:** Surface Transportation Program**Brief Summary and Statement of Need:**

Develop geotechnical asset management (GAM) program. Work includes research and development of plans for: Unstable Slope Management, Material Site Management, Retaining Wall Management and Unstable Embankment Management. Other work includes inventory and condition surveys and creation of performance measures to estimate the future life of the assets, making possible life-cycle cost-based decision-making about the assets as they age.

<b>Funding:</b>	<u>FY2013</u>	<u>FY2014</u>	<u>FY2015</u>	<u>FY2016</u>	<u>FY2017</u>	<u>FY2018</u>	<u>Total</u>
Fed Rcpts	\$2,250,000						\$2,250,000
<b>Total:</b>	<b>\$2,250,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,250,000</b>

<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 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
<b>Totals:</b>	<b>0</b>	<b>0</b>

**Additional Information / Prior Funding History:**

None.

**Project Description/Justification:**

Conduct Research and Development activities to create the GAM program architecture, research and develop: performance measures, methods for predicting future performance of assets, and analysis methods. Create inventory and condition survey for assets. Monitor performance of assets over time and compare to performance measures. Provide decision-making support to agency management on maintenance, repair and rehabilitation alternatives.

This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.