Statewide: Bridge Inventory, Inspection, Monitoring, Rehabilitation and Replacement Program

FY2009 Request: **$5,000,000**
Reference No: **36445**

AP/AL: Allocation
Project Type: Construction
Category: Transportation
Location: Statewide
Contact: Frank Richards
House District: Statewide (HD 1-40)
Contact Phone: (907)465-3900
Estimated Project Dates: 07/01/2008 - 06/30/2013
Appropriation: Surface Transportation Program

Brief Summary and Statement of Need:
Inspection of all bridges that are on the public roads on a two-year cycle. The magnitude of structural deficiencies found during the inspection causes the subject bridge to be eligible for replacement or rehabilitation with federal highway bridge program funding. 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:	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
Fed Rcpts	$5,000,000	$8,000,000	$8,000,000	$8,000,000	$8,000,000	$800,000	$37,800,000
Total:	$5,000,000	$8,000,000	$8,000,000	$8,000,000	$8,000,000	$800,000	$37,800,000

☑ State Match Required ☐ One-Time Project ☐ Phased - new ☐ Phased - underway ☑ On-Going
20% = Minimum State Match % Required ☐ Amendment ☐ Mental Health Bill

Operating & Maintenance Costs:

	Amount	Staff
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	
Totals:	0	0

Additional Information / Prior Funding History:
FY2008 - $9,000,000; FY2007 - $6,800,000; FY2006 - $8,000,000; FY2005 - $8,000,000; FY2004 - $6,000,000; FY2003 - $ 1,300,000; FY2002 - $3,700,000; FY2001 - $2,200,000; FY2000 - $3,000,000; FY1999 - $925,000.

Project Description/Justification:
As the title describes, this program provides funds for the inventory, inspection, monitoring, rehabilitation, and replacement of bridges on public highways in accordance with federal regulations. Routine and special bridge inspections are performed under this program. State, borough, municipal and village bridges are all inspected on a routine biennial (every second year) cycle. Special inspections include both underwater and “fracture critical member” inspections which require special access equipment, methods and techniques. Both routine and special inspections attempt to identify potential defects that could lead to catastrophic bridge failure. Maintenance, rehabilitation, and replacement work programs are developed based on comments and recommendations in the bridge inspection reports.

Bridge load rating calculations are also funded by this program. These load ratings are used to identify the safe load carrying capacity of each bridge. These ratings can be used to post deficient bridges and determine the maximum overload the structure can safely carry. This latter information is used in the issuance of overload permits.

The Federal Highway Administration uses “structural inventory and assessment” (SI&A) data collected and recorded on the bridge inspection reports to distribute Highway Bridge Rehabilitation and Replacement Program (HBRRP) funds to the State. The SI&A is used to calculate a sufficiency rating which identifies structurally deficient and functionally obsolete

structures. These bridges are eligible for HBRRP funding for rehabilitation or replacement. The Department is implementing a separate Bridge Management Program to identify and schedule maintenance, rehabilitation, and replacement projects.

A portion of this program is used to fund bridge rehabilitation and replacement construction projects that are not being otherwise funded.