

Statewide: Weigh-in-Motion Equipment

FY2006 Request: \$1,100,000
Reference No: 40311

AP/AL: Allocation

Project Type: Construction

Category: Transportation

Location: Statewide

Contact: John MacKinnon

House District: Statewide (HD 1-40)

Contact Phone: (907)465-6973

Estimated Project Dates: 07/01/2005 - 06/30/2010

Appropriation: Surface Transportation Program

Brief Summary and Statement of Need:

Purchase and installation of Federally required weigh-in-motion (WIM) equipment at sites on National Highway System. 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:	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	Total
Fed Rcpts	\$1,100,000						\$1,100,000
Total:	\$1,100,000	\$0	\$0	\$0	\$0	\$0	\$1,100,000

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

Additional Information / Prior Funding History:

FY2001 - \$750,000; FY2000 - \$1,370,000; FY1999 - \$1,570,000.

Project Description/Justification:

This project is necessary to complete the goals outlined in the State's Truck Weight Monitoring Plan for installation of WIM systems. Over the next two-years four WIM systems sites will be built. Also, a portion of the funds will be used to address software and communication issues to include these data on a 24/7 timeframe in the state's web based WIM data port and viewing the WIM data via the web in near real time.

The purpose of the Traffic Data System (TDS) program is to provide vehicle volume, vehicle classification, speed, and truck weight (Weigh-in-Motion (WIM)) data collected at various road locations. The archived data is used to meet

- ◆ Federal Highway Administration (FHWA) specifications in CFR23 to provide highway use data (Highway Performance Monitoring System (HPMS));
- ◆ apportionment of Federal-AID funds; bridge, pavement and road design;
- ◆ secondary weight enforcement and trucking regulations;
- ◆ safety and congestion management;
- ◆ and other issues as they relate to transportation and commerce.

Specific IT activities include system configuration, hardware/software maintenance, system/database administration, application development, research and development and project management.

Funding for this project is FHWA Annual work program (80% federal /20 % state), and STIP FHWA (90.97% and State 9.03%). The goal of this project is to provide additional information for annual reports used for apportionment of Federal-aid funds without increasing the number of staff by using better IT methods.

Costs of some elements of the project:

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WIM web database and reports \$70,000
Data reports, data clean-up, data retrieval and communications \$60,000
HPMS: continue addition of curve and grade data, upgrade software \$75,000
TDS business plan \$50,000
Software licenses \$47,600