

# Advanced Transportation Management System -- No. 509399

Category  
Subcategory  
Administering Agency  
Planning Area

Transportation  
Traffic Improvements  
Transportation  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

March 08, 2011  
No  
None.  
On-going

## EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY10	Rem. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	8,550	7,536	0	1,014	169	169	169	169	169	169	0
Land	1	1	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	33,851	24,206	1,884	7,761	1,331	1,106	1,331	1,331	1,331	1,331	0
Construction	53	53	0	0	0	0	0	0	0	0	0
Other	7,194	6,494	0	700	350	350	0	0	0	0	0
<b>Total</b>	<b>49,649</b>	<b>38,290</b>	<b>1,884</b>	<b>9,475</b>	<b>1,850</b>	<b>1,625</b>	<b>1,500</b>	<b>1,500</b>	<b>1,500</b>	<b>1,500</b>	<b>*</b>

## FUNDING SCHEDULE (\$000)

Cable TV	2,241	2,241	0	0	0	0	0	0	0	0	0
Contributions	95	95	0	0	0	0	0	0	0	0	0
Current Revenue: General	17,589	7,394	1,420	8,775	1,500	1,275	1,500	1,500	1,500	1,500	0
Federal Aid	2,968	2,504	464	0	0	0	0	0	0	0	0
G.O. Bonds	8,396	8,396	0	0	0	0	0	0	0	0	0
Mass Transit Fund	6,064	6,064	0	0	0	0	0	0	0	0	0
PAYGO	2,226	2,226	0	0	0	0	0	0	0	0	0
State Aid	9,570	8,870	0	700	350	350	0	0	0	0	0
Transportation Improvement Credit	500	500	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>49,649</b>	<b>38,290</b>	<b>1,884</b>	<b>9,475</b>	<b>1,850</b>	<b>1,625</b>	<b>1,500</b>	<b>1,500</b>	<b>1,500</b>	<b>1,500</b>	<b>0</b>

## OPERATING BUDGET IMPACT (\$000)

Maintenance				825	75	100	125	150	175	200
Energy				165	15	20	25	30	35	40
Program-Staff				750	50	100	100	150	150	200
Program-Other				54	6	6	9	9	12	12
<b>Net Impact</b>				<b>1,794</b>	<b>146</b>	<b>226</b>	<b>259</b>	<b>339</b>	<b>372</b>	<b>452</b>
WorkYears					1.0	2.0	2.0	3.0	3.0	3.0

### DESCRIPTION

This project provides for Advanced Transportation Management Systems (ATMS) in the County. The ATMS deploys the infrastructure elements to conduct real-time management and operations of the County's transportation system. Twenty-two National Intelligent Transportation Architecture market packages have been identified for deployment of the ATMS. Each of these market packages is considered a subsystem of the ATMS program and may include several elements. These subsystems are identified in the ATMS Strategic Deployment Plan dated February 2001 and revised July 2009. One aspect of this project will focus on improving pedestrian walkability by creating a safer walking environment, utilizing selected technologies and ensuring Americans with Disabilities Act (ADA) compliance.

### COST CHANGE

Reduce project scope and current revenue by \$225,000 in FY12 for fiscal capacity.

### JUSTIFICATION

ATMS provides real-time monitoring, control, and traveler information in an effort to reduce traffic congestion and travel time, improve safety, and defer the need to construct new roads. ATMS emphasizes safety and efficiency of mobility to include mode, route, and travel time choices. ATMS supports public safety and directly impacts the movement of people and goods throughout the County's transportation system.

### OTHER

This project includes the replacement of the Ride-On Computer Aided Dispatch (CAD) / Automatic Vehicle Locator (AVL) system and on-bus hardware (including radios). The replacement is based on a comprehensive evaluation completed in May 2005 and will provide improved safety and security, more reliable service, better informed scheduling, and a platform for real-time customer information.

### OTHER DISCLOSURES

- The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.
- \* Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP												
<table border="1"> <tr> <td>Date First Appropriation</td> <td>FY93</td> <td>(\$000)</td> </tr> <tr> <td>First Cost Estimate</td> <td>FY12</td> <td>49,549</td> </tr> <tr> <td>Current Scope</td> <td></td> <td></td> </tr> <tr> <td>Last FY's Cost Estimate</td> <td></td> <td>49,874</td> </tr> </table>	Date First Appropriation	FY93	(\$000)	First Cost Estimate	FY12	49,549	Current Scope			Last FY's Cost Estimate		49,874	<p>Developers Department of Technology Services Department of Police Federal Transit Administration (FTA) Federal Highway Administration (FHWA) Fibernet Maryland State Highway Administration Virginia Department of Transportation Other Local Governments Other Private Entities Traffic Signals project Traffic Signal System Modernization Project Montgomery County Pedestrian Safety Advisory Committee Citizen's Advisory Boards Montgomery County Planning Board</p>	
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