

Traffic Signals -- No. 507154

Category
Subcategory
Administering Agency
Planning Area

Transportation
Traffic Improvements
Transportation
Countywide

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

December 20, 2010
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	4,518	0	0	4,518	753	753	753	753	753	753	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	22,679	0	1,847	20,832	3,472	3,472	3,472	3,472	3,472	3,472	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	27,197	0	1,847	25,350	4,225	4,225	4,225	4,225	4,225	4,225	*

FUNDING SCHEDULE (\$000)

G.O. Bonds	27,197	0	1,847	25,350	4,225	4,225	4,225	4,225	4,225	4,225	0
Total	27,197	0	1,847	25,350	4,225	4,225	4,225	4,225	4,225	4,225	0

OPERATING BUDGET IMPACT (\$000)

Maintenance				252	12	24	36	48	60	72
Energy				504	24	48	72	96	120	144
Program-Staff				150	0	0	0	50	50	50
Net Impact				906	36	72	108	194	230	266
WorkYears					0.0	0.0	0.0	1.0	1.0	1.0

DESCRIPTION

This project provides for the design, construction, and maintenance of vehicular and pedestrian traffic signals and signal systems including: new and existing signals; reconstruction/replacement of aged and obsolete signals and components; auxiliary signs; accessible pedestrian signals (APS); upgrades of the County's centrally-controlled computerized traffic signal system; communications and interconnect into the signal system.

COST CHANGE

Increase due to addition of FY15-16 to this ongoing level of effort project.

JUSTIFICATION

The growth in County population and vehicular registrations continues to produce increasing traffic volumes. As a result, congestion levels and the number of accidents increase. This requires a continued investment in the traffic signal system to: increase intersection safety; accommodate changes in traffic patterns and roadway geometry; reduce intersection delays, energy consumption, and air pollution; and provide coordinated movement on arterial routes through effective traffic management and control, utilizing modern traffic signal technologies.

The December 2007 "Pedestrian Safety Initiative."

The March 2008, "The Third Report of the Infrastructure Maintenance Task Force," identified traffic signals in need of lifecycle replacement.

OTHER

Approximately 40 projects are completed annually by a combination of contractual and County work crews. One aspect of this project focuses on improving pedestrian walkability by creating a safe walking environment, utilizing selected engineering technologies, and ensuring Americans with Disabilities Act (ADA) compliance. All new and reconstructed traffic signals are designed and constructed to include appropriate pedestrian features - crosswalks, curb ramps, countdown pedestrian signals, APS, and applicable signing. A significant portion of the traffic signal work will continue to be in the central business districts and other commercial areas, where costs are higher due to more underground utilities and congested work areas. Likewise, new signals in outlying, developing areas are more expensive due to longer runs of communication cable. The fiber optic interconnection of traffic signals is done through the Fibernet project.

FISCAL NOTE

As of FY97, \$700,000 per year is redirected to the Fibernet project and is to continue through the implementation of Fibernet.

OTHER DISCLOSURES

- A pedestrian impact analysis will be performed during design or is in progress.
- * Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP												
<table border="1"> <tr> <td>Date First Appropriation</td> <td>FY71</td> <td>(\$000)</td> </tr> <tr> <td>First Cost Estimate</td> <td>FY11</td> <td>31,119</td> </tr> <tr> <td>Current Scope</td> <td></td> <td></td> </tr> <tr> <td>Last FY's Cost Estimate</td> <td></td> <td>31,119</td> </tr> </table>	Date First Appropriation	FY71	(\$000)	First Cost Estimate	FY11	31,119	Current Scope			Last FY's Cost Estimate		31,119	<p>Advanced Transportation Management System System Verizon Fibernet CIP (No. 509651) Maryland State Highway Administration Potomac Electric Power Company Washington Gas and Light Washington Suburban Sanitary Commission Montgomery County Pedestrian Safety Advisory Committee Citizens Advisory Boards Maryland-National Capital Park and Planning Commission</p>	
Date First Appropriation	FY71	(\$000)												
First Cost Estimate	FY11	31,119												
Current Scope														
Last FY's Cost Estimate		31,119												
<table border="1"> <tr> <td>Appropriation Request</td> <td>FY12</td> <td>4,225</td> </tr> <tr> <td>Supplemental Appropriation Request</td> <td></td> <td>0</td> </tr> <tr> <td>Transfer</td> <td></td> <td>0</td> </tr> </table>	Appropriation Request	FY12	4,225	Supplemental Appropriation Request		0	Transfer		0					
Appropriation Request	FY12	4,225												
Supplemental Appropriation Request		0												
Transfer		0												
<table border="1"> <tr> <td>Cumulative Appropriation</td> <td></td> <td>6,072</td> </tr> <tr> <td>Expenditures / Encumbrances</td> <td></td> <td>1,481</td> </tr> <tr> <td>Unencumbered Balance</td> <td></td> <td>4,591</td> </tr> </table>	Cumulative Appropriation		6,072	Expenditures / Encumbrances		1,481	Unencumbered Balance		4,591					
Cumulative Appropriation		6,072												
Expenditures / Encumbrances		1,481												
Unencumbered Balance		4,591												
<table border="1"> <tr> <td>Partial Closeout Thru</td> <td>FY09</td> <td>70,353</td> </tr> <tr> <td>New Partial Closeout</td> <td>FY10</td> <td>3,923</td> </tr> <tr> <td>Total Partial Closeout</td> <td></td> <td>74,276</td> </tr> </table>	Partial Closeout Thru	FY09	70,353	New Partial Closeout	FY10	3,923	Total Partial Closeout		74,276					
Partial Closeout Thru	FY09	70,353												
New Partial Closeout	FY10	3,923												
Total Partial Closeout		74,276												