

ARRA Traffic Improvements -- No. 501002

Category
Subcategory
Administering Agency
Planning Area

Transportation
Traffic Improvements
Transportation
Countywide

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

August 23, 2010
No
None.
Under Construction

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	0	0	0	0	0	0	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	1,746	0	0	1,746	1,746	0	0	0	0	0	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	1,746	0	0	1,746	1,746	0	0	0	0	0	0

FUNDING SCHEDULE (\$000)

Fed Stimulus (State Allocation)	1,746	0	0	1,746	1,746	0	0	0	0	0	0
Total	1,746	0	0	1,746	1,746	0	0	0	0	0	0

OPERATING BUDGET IMPACT (\$000)

Maintenance				15	0	3	3	3	3	3
Energy				55	0	11	11	11	11	11
Net Impact				70	0	14	14	14	14	14

DESCRIPTION

This project provides for various traffic improvements to be funded under the American Recovery and Reinvestment Act (ARRA) Federal economic stimulus program.

- (1) Streetlight Installation on MD 124 (\$743,000) - Installation and energizing of pedestrian lights (approximately 115) along MD 124 between Lindberg Drive and Rosewood Manor Lane.
- (2) Traffic Signals UPS/BBU (\$520,000) - Deployment of Uninterruptible Power Supply (UPS) / Battery Backup (BBU) at approximately 50 traffic signals.
- (3) Traffic Sign Upgrades (\$236,000) - Upgrade or replacement of traffic warning signs with fluorescent micro-prismatic sign sheeting.
- (4) Guard Rail End Treatments (\$247,000) - Replacement of deficient and/or substandard guardrail end treatments along the Federal-aid network to meet current standards (approximately 75).

COST CHANGE

The Advance Transportation Management System (ATMS) (Fiber Optics-\$600,000) project was deleted due to Federal ineligibility. Project allocations were revised in June 2010 based on actual bids and excess funds (\$429,000) along with the above mentioned ATMS funds were transferred to ARRA Highway Project (No.501003)

JUSTIFICATION

- (1) Streetlight Installation on MD 124, Maryland State Highway Administration (MSHA) is currently reconstructing this stretch of road, which is suburban with numerous commercial zones, but is not installing lighting as part of their project. Installation of streetlights along MD 124 between Lindberg Drive and Rosewood Manor Lane will improve safety. At the County's request, MSHA has agreed to install conduits and handboxes for a pedestrian lighting system. County will install and energize the lights.
- (2) Traffic Signals UPS/BBU mitigates the vulnerability of the traffic control system due to loss of electrical power during storms or in the case of an evacuation.
- (3) Traffic Sign Upgrades improves visibility and traffic safety, particularly during low light and inclement weather situations.
- (4) Guard Rail End Treatments improves traffic safety and reduces the severity of run-off-the-road accidents.

Plans and Studies:

Streetlight Installation on MD 124: MSHA Contract No. MO6325171

Traffic Signals UPS/BBU: Concept of Operations, Version: Revision I, dated February 8, 2007; System Requirements, Version: Revision F, dated May 15, 2007

Traffic Sign Upgrades: Manual on Uniform Traffic Control Devices

Guard Rail End Treatments: Current MSHA guardrail standards and Montgomery County Department of Transportation 2004 guardrail study.

FISCAL NOTE

Funding is provided under the Federal economic stimulus ARRA, Local Highway Allocation, award to the County through a Highway Improvements Program grant. Total grant funds are \$8.49M and do not require a County match. See the ARRA Highway Improvements project (No. 501003) for the remainder of the grant.

Conditions precedent to disbursement of the grant require the State of Maryland to approve planning, specifications and estimates as well as the low, responsive and responsible bidder for construction.

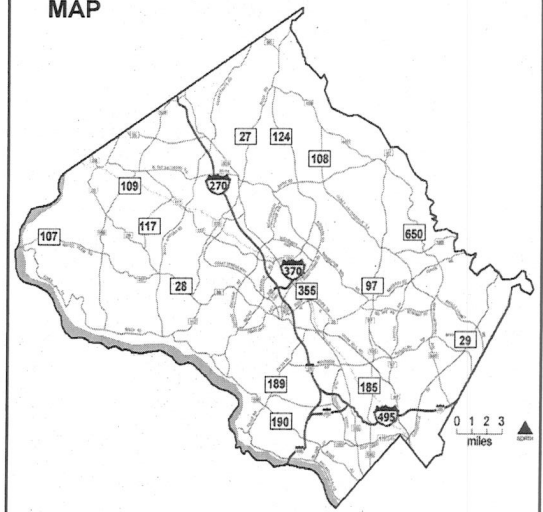
APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY10	(\$000)
First Cost Estimate	FY11	1,746
Current Scope		
Last FY's Cost Estimate		2,775
Appropriation Request	FY11	0
Appropriation Request Est.	FY12	0
Supplemental Appropriation Request		0
Transfer		-1,029
Cumulative Appropriation		2,775
Expenditures / Encumbrances		0
Unencumbered Balance		2,775
Partial Closeout Thru	FY08	0
New Partial Closeout	FY09	0
Total Partial Closeout		0

COORDINATION

Maryland State Highway Administration (MSHA)

MAP



ARRA Traffic Improvements -- No. 501002 (continued)

OTHER DISCLOSURES

- A pedestrian impact analysis will be performed during design or is in progress.