

Resolution No.: 16-1095  
 Introduced: July 14, 2009  
 Adopted: July 28, 2009

**COUNTY COUNCIL  
 FOR MONTGOMERY COUNTY, MARYLAND**

By: Council President at the Request of the County Executive

SUBJECT: Amendment to the FY09-14 Capital Improvements Program and Special Appropriation #1-E10-CMCG-1 to the FY10 Capital Budget Montgomery County Government, Department of Transportation ARRA Traffic Improvements (No. 501002), \$2,775,000 ARRA Highway Improvements (No. 501003), \$5,715,000

**Background**

1. Section 308 of the Montgomery County Charter provides that a special appropriation: (a) may be made at any time after public notice by news release; (b) must state that the special appropriation is necessary to meet an unforeseen disaster or other emergency or to act without delay in the public interest; (c) must specify the revenues necessary to finance it; and (d) must be approved by no fewer than six members of the Council.
2. Section 302 of the Montgomery County Charter provides that the Council may amend an approved capital improvements program at any time by an affirmative vote of no fewer than six members of the Council.
3. The County Executive recommends the following capital project appropriation increases:

<u>Project Name</u>	<u>Project Number</u>	<u>Cost Element</u>	<u>Amount</u>	<u>Source of Funds</u>
ARRA Traffic Improvements	501002	SIU	\$2,775,000	
ARRA Highway Improvements	501003	PDS	\$ 860,000	
		Construction	\$4,855,000	
TOTAL			\$8,490,000	Federal Aid

4. This special increase is needed to obtain appropriation authority for the Federal economic stimulus American Recovery and Reinvestment Act (ARRA), Local Highway Allocation, awarded to the County through a Highway Improvements Program grant. These funds will

be used for: (1) Advance Transportation Management System/Fiber Optics (\$600,000); (2) Streetlight Installation/MD124 (\$1,100,000); (3) Traffic Signals Uninterruptible Power Supply (UPS) / Battery Backup (BBU) (\$600,000); (4) Traffic Sign Upgrades (\$250,000); (5) Guard Rail End Treatments (\$225,000); and (6) Paving and Resurfacing of various Primary Roads in the Federal Aid System (\$5,715,000). These funds do not require a match from the County.

The recommended amendment is consistent with the criteria for amending the CIP because the project leverages significant non-County source of funds and offers a significant opportunity which will be lost if not taken at this time.

4. The County Executive recommends an amendment to the FY09-14 Capital Improvements Program and a special appropriation in the amount of \$8,490,000 for ARRA Traffic Improvements (No. 501002) and ARRA Highway Improvements (No. 501003), and specifies that the source of funds will be Federal Aid.
5. Notice of public hearing was given and a public hearing was held.

**Action**

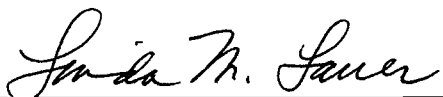
The County Council for Montgomery County, Maryland, approves the following actions:

1. The FY09-14 Capital Improvements Program of the Montgomery County Government is amended as reflected on the attached project description form and a special appropriation is approved as follows:

<u>Project Name</u>	<u>Project Number</u>	<u>Cost Element</u>	<u>Amount</u>	<u>Source of Funds</u>
ARRA Traffic Improvements	501002	SIU	\$2,775,000	
ARRA Highway Improvements	501003	PDS Construction	\$ 860,000 \$4,855,000	
TOTAL			\$8,490,000	Federal Aid

2. The County Council declares that this action is necessary to act without delay in the public interest and that this appropriation is needed to meet the emergency.

This is a correct copy of Council action.

  
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 Linda M. Lauer, Clerk of the Council

Attachment to Resolution No.: 16-1095  
**ARRA Traffic Improvements -- No. 501003**

Category	Transportation	Date Last Modified	July 01, 2009
Subcategory	Traffic Improvements	Required Adequate Public Facility	No
Administering Agency	Transportation	Relocation Impact	None.
Planning Area	Countywide	Status	Preliminary Design Stage

**EXPENDITURE SCHEDULE (\$000)**

Cost Element	Total	Thru FY08	Rem. FY08	Total 6 Years	FY09	FY10	FY11	FY12	FY13	FY14	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	2,775	0	0	2,775	0	1,675	1,100	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
<b>Total</b>	<b>2,775</b>	<b>0</b>	<b>0</b>	<b>2,775</b>	<b>0</b>	<b>1,675</b>	<b>1,100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**FUNDING SCHEDULE (\$000)**

Fed Stimulus (State Allocation)	2,775	0	0	2,775	0	1,675	1,100	0	0	0	0
<b>Total</b>	<b>2,775</b>	<b>0</b>	<b>0</b>	<b>2,775</b>	<b>0</b>	<b>1,675</b>	<b>1,100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**DESCRIPTION**

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

- (1) Advance Transportation Management System (Fiber Optics) (\$600,000) - Installation of fiber optic cable plant along the US29 corridor from the current terminus at Briggs Chaney Road to the Howard County line (5.5 mi.)
- (2) Streetlight Installation on MD124 (\$1,100,000) - Installation and energizing of lights (approximately 150)
- (3) Traffic Signals UPS/BBU (\$600,000) - Deployment of Uninterruptible Power Supply (UPS) / Battery Backup (BBU) at approximately 40 traffic signals
- (4) Traffic Sign Upgrades (\$250,000) - Upgrade or replacement of traffic warning signs with fluorescent micro-prismatic sign sheeting
- (5) Guard Rail End Treatments (\$225,000) - Replacement of deficient and/or substandard guardrail end treatments to meet current standards (approximately 75)

**JUSTIFICATION**

- (1) Advance Transportation Management System (Fiber Optics) will facilitate the deployment of new traffic signal control features and functionality.
- (2) Streetlight Installation on MD124  
 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 MD124 between Air Park Road 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. The County will install and energize the lights.
- (3) 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.
- (4) Traffic Sign Upgrades improves visibility and traffic safety, particularly during low light and inclement weather situations.
- (5) Guard Rail End Treatments improves traffic safety and reduces the severity of run-off-the-road accidents.

**OTHER**

Plans and Studies:

Streetlight installation on MD124: 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 16, 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.

Pedestrian Safety Impact analyses, have, or will be completed for these projects.

**FISCAL NOTE**

Funding is provided under the Federal economic stimulus ARRA, Local Highway Allocation, awarded 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 (#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	COORDINATION	MAP												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Date First Appropriation</td> <td style="text-align: center;">FY10</td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>First Cost Estimate</td> <td></td> <td></td> </tr> <tr> <td>Current Scope</td> <td style="text-align: center;">FY10</td> <td style="text-align: right;">2,775</td> </tr> <tr> <td>Last FY's Cost Estimate</td> <td></td> <td style="text-align: right;">0</td> </tr> </table>	Date First Appropriation	FY10	(\$000)	First Cost Estimate			Current Scope	FY10	2,775	Last FY's Cost Estimate		0	<p>Maryland State Highway Administration</p>	
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# ARRA Highway Improvements -- No. 501003

Category  
Subcategory  
Administering Agency  
Planning Area

Transportation  
Highway Maintenance  
Transportation  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

July 01, 2009  
No  
None  
Final Design Stage

## EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY08	Rem. FY08	Total 6 Years	FY09	FY10	FY11	FY12	FY13	FY14	Beyond 6 Years
Planning, Design, and Supervision	860	0	0	860	0	860	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	4,855	0	0	4,855	0	4,855	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>5,715</b>	<b>0</b>	<b>0</b>	<b>5,715</b>	<b>0</b>	<b>5,715</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## FUNDING SCHEDULE (\$000)

Fed Stimulus (State Allocation)	5,715	0	0	5,715	0	5,715	0	0	0	0	0
<b>Total</b>	<b>5,715</b>	<b>0</b>	<b>0</b>	<b>5,715</b>	<b>0</b>	<b>5,715</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### DESCRIPTION

This project provides for paving and resurfacing of various primary roads within the County that are in the Federal Aid System and to be funded under the American Recovery and Reinvestment Act (ARRA) Federal economic stimulus program. Approximately 40 lane miles on stretches of road throughout the County will be resurfaced including: (1) Barnesville Road from Mt. Ephraim Road to Rt117 Buck Lodge Road; (2) Shady Grove Road from I270 to Darnestown Road, (3) Forest Glen Road from MD97 - Georgia Avenue to Brunett Avenue (4) Old Columbia Pike from MD198/Spencerville Road to US29-Columbia Pike ramp; (5) Randolph Road East of Nebel Street.

### JUSTIFICATION

The repair of the County's primary and arterial roadway infrastructure is critical to mobility throughout the County. In addition, the state of disrepair of the primary and arterial roadway system causes travel delays, increased traffic congestion, and compromises the safety and ease of travel. Well maintained road surfaces assist in the relief of traffic congestion.

The March 2008 "Report of the Infrastructure Maintenance Task Force" identified an annual resurfacing program level of effort based on a 12 year resurfacing frequency.

### OTHER

Plans and Studies:

Montgomery County completed a countywide Pavement Management Study in FY08 that physically inspected and rated all County maintained roadways. An independent consultant, specializing in pavement management, conducted all physical inspections and developed subsequent ratings based on levels of observed pavement distress (type and extent), average daily traffic (ADT) and designation as an emergency route.

### FISCAL NOTE

Funding is provided under the Federal economic stimulus ARRA, Local Highway Allocation, awarded 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 Traffic Improvements project (#501002) 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	FY10	5,715
Current Scope		
Last FY's Cost Estimate		0
Appropriation Request	FY10	0
Supplemental Appropriation Request		5,715
Transfer		0
Cumulative Appropriation		0
Expenditures / Encumbrances		0
Unencumbered Balance		0
Partial Closeout Thru	FY07	0
New Partial Closeout	FY08	0
Total Partial Closeout		0

### COORDINATION

Maryland State Highway Administration

### MAP

