

***MD State Highway Administration Road and Resurfacing and Bridge Rehabilitation***

On April 28, 2009, the BRTB approved Resolution #09-21(<http://www.baltometro.org/BRTB/BRTBRes09-21.pdf>) that contained 14 SHA project types valued at \$29.4 million dollars. Thanks to lower than expected bids, SHA is rebidding \$2.1 million for 2 additional projects types. Those projects are described below.

<b>County</b>	<b>Route</b>	<b>Description</b>	<b>Cost (\$Mil.)</b>
<b>RESURFACING PROJECTS</b>			
HA	MD 462	MD 132 to structure 12047 Carsins Run	1.6
<b>BRIDGE PAINTING PROJECTS</b>			
AA	Various	Clean and paint various bridges in AA County	.5

***Edmondson Village Street Lighting and Pedestrian Safety Improvements***

<b>TIP Id #</b>	12-0818-11	<b>Year of Operation</b>	2010
<b>Agency</b>	Local Project	<b>Project Type</b>	Road resurfacing/rehabilitation
<b>Project Category</b>	Highway Preservation	<b>Functional Class</b>	Minor arterial
<b>Conformity Status</b>	Exempt	<b>Physical Data</b>	6/6 Lanes
<b>CIP/CTP Page#</b>			

<b>Description</b>	<b>Justification</b>
Improve sidewalks, street lighting, and ADA accessibility in Edmondson Village community including, but not limited to, Wildwood Parkway, Allendale Street, Hilton Parkway, and Edmondson Avenue.	Area requires infrastructure renewal to support neighborhood revitalization activities.

**American Recovery and Reinvestment Act Funds**

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2008 Federal Funds	FY 2008 Matching Funds	FY 2009 Federal Funds	FY 2009 Matching Funds	FY 2010 Federal Funds	FY 2010 Matching Funds	FY 11-12 Federal Funds	FY 11-12 Matching Funds	Estimated Project Total
CON							\$1,250				\$1,250
OTH											\$0
PE											\$0
PP											\$0
ROW											\$0
<b>Totals</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,250</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,250</b>

**Baltimore City ARRA Resurfacing and Rehabilitation**

<b>TIP Id #</b>	12-0817-11	<b>Year of Operation</b>	Ongoing
<b>Agency</b>	Local Project	<b>Project Type</b>	Road resurfacing/rehabilitation
<b>Project Category</b>	Highway Preservation	<b>Functional Class</b>	NA
<b>Conformity Status</b>		<b>Physical Data</b>	Various
<b>CIP/CTP Page#</b>	Various		

Description	Justification
Rehabilitate and resurface City roads using American Recovery and Reinvestment Act funds. These non-capacity improvements will include milling, patching, sealing, and resurfacing existing deteriorated roadways throughout the City. Various Roads.	All road segments listed are in need of resurfacing or rehabilitation. This will improve safety and flow of traffic. Projects are consistent with the federal highway aid system. ARRA funds will be obligated within six months.

**American Recovery and Reinvestment Act Funds**

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2008 Federal Funds	FY 2008 Matching Funds	FY 2009 Federal Funds	FY 2009 Matching Funds	FY 2010 Federal Funds	FY 2010 Matching Funds	FY 11-12 Federal Funds	FY 11-12 Matching Funds	Estimated Project Total
CON							\$4,000				\$4,000
OTH											\$0
PE											\$0
PP											\$0
ROW											\$0
<b>Totals</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$4,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$4,000</b>

Street	Limits	Type of Improvement
Kirk Avenue	The Alameda to Curtain Avenue	Full/Partial Patch
Rogers Avenue	Post Road to Liberty Heights	Full Depth Patch
Gwynns Falls Parkway	Garrison Boulevard to Chelsea Terrace	Resurfacing
Washington Boulevard	Martin Luther King Boulevard to Monroe Street	Resurfacing/Crack Seal
Holabird Avenue	Broening Highway to Dundalk Avenue	Resurfacing/Rehabilitation

**American Recovery Reinvestment – Phase 2 Changes**

<b>Maryland Transit Administration Projects</b>		
Location	Description	Cost (\$M)
<b>LOTS and Station Projects</b>		
Annapolis	Heavy duty bus replacement	<b>2.16</b>
	Preventive maintenance	<b>.15</b>
Howard County	Facility and equipment upgrade	<b>.308</b>
	Paratransit and hybrid bus purchases	<b>2.22</b>
	Preventive maintenance	<b>.15</b>
<b>MTA Projects</b>		
Baltimore Reg	Replacement of deteriorated rail fasteners and bolts in the Metro Subway	<b>3.5</b>
Baltimore Reg	Replace public address system in all MTA owned MARC stations	<b>6.5</b>

***Baltimore City Areawide Congestion Management***

TIP Id #	<b>12-0816-07</b>	Year of Operation	<b>Ongoing</b>
Agency	<b>State Highway Administration</b>	Project Type	<b>ITS</b>
Project Category	<b>Emission Reduction Strategy</b>	Functional Class	<b>NA</b>
Conformity Status	<b>Exempt</b>	Physical Data	<b>NA</b>
CIP/CTP Page#	<b>NA</b>		

Description	Justification
<b>These improvements include the deployment of intelligent transportation system (ITS) projects such as vehicle detection devices, variable message signs &amp; supports, fiber optic and copper communication systems, and the operational support for the City's Traffic Management Center.</b>	<b>These activities will improve safety and traffic flow operations on the existing highway system without major new construction. These activities will also save motorists time by allowing them to avoid traffic congestion through the use of ITS technology innovations.</b>  <b>*Supports regional M&amp;O initiatives.</b>

**Congestion Mitigation and Air Quality**

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2008 Federal Funds	FY 2008 Matching Funds	FY 2009 Federal Funds	FY 2009 Matching Funds	FY 2010 Federal Funds	FY 2010 Matching Funds	FY 11-12 Federal Funds	FY 11-12 Matching Funds	Estimated Project Total
CON											\$0
OTH					\$6,500*						\$6,500
PE											\$0
PP											\$0
ROW											\$0
Totals	\$0	\$0	\$0	\$0	\$6,500*	\$0	\$0	\$0	\$0	\$0	\$6,500

**Section 1702 High Priority Project**

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2008 Federal Funds	FY 2008 Matching Funds	FY 2009 Federal Funds	FY 2009 Matching Funds	FY 2010 Federal Funds	FY 2010 Matching Funds	FY 11-12 Federal Funds	FY 11-12 Matching Funds	Estimated Project Total
CON											\$0
OTH					\$800	\$200					\$1,000
PE											\$0
PP											\$0
ROW											\$0
Totals	\$0	\$0	\$0	\$0	\$800	\$200	\$0	\$0	\$0	\$0	\$1,000

**American Recovery and Reinvestment Act Funding**

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2008 Federal Funds	FY 2008 Matching Funds	FY 2009 Federal Funds	FY 2009 Matching Funds	FY 2010 Federal Funds	FY 2010 Matching Funds	FY 11-12 Federal Funds	FY 11-12 Matching Funds	Estimated Project Total
CON											\$0
OTH					\$4,000*						\$4,000
PE											\$0
PP											\$0
ROW											\$0
Totals	\$0	\$0	\$0	\$0	\$4,000*		\$0	\$0	\$0	\$0	\$4,000

\* Updated on August 5, 2009 - \$4 million moved from FY2009 CMAQ funds to FY2009 ARRA funding. This move does not change the total amount of funding, only the funding source.

***Midtown Cultural District Streetscape***

TIP Id #	<b>12-0815-19</b>	Year of Operation	<b>2010</b>
Agency	<b>Local Project</b>	Project Type	<b>Traffic Engineering</b>
Project Category	<b>Enhancement</b>	Functional Class	<b>N/A</b>
Conformity Status	<b>Exempt</b>	Physical Data	<b>N/A</b>
CIP/CTP Page#	TBD		

Description	Justification
<b>The work includes the conversion of span wire signal intersections to mast-arm signals at Mt. Royal Ave. at McMechen St. at W. Lafayette Ave. and Dolphin St. Installation of an underground conduit system at each intersection from the signals to controller boxes. New Pole foundations will be installed and pedestrian ramps not currently meeting ADA requirements will be upgraded at each intersection</b>	<b>This project will: reduce visual clutter and create more uniformity in street appurtenances along the Mt. Royal Avenue Corridor, improve pedestrian crossings, improve signal visibility, reduce energy consumption, and install new video-camera-based detection. This project is part of Phase 1 of the Midtown Cultural District transportation plan. Other components of the plan include pedestrian safety upgrades, resurfacing, median widening and bicycle lanes.</b>

***Transportation, Community and System Preservation Program***

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2008 Federal Funds	FY 2008 Matching Funds	FY 2009 Federal Funds	FY 2009 Matching Funds	FY 2010 Federal Funds	FY 2010 Matching Funds	FY 11-12 Federal Funds	FY 11-12 Matching Funds	Estimated Project Total
CON					\$400	\$111					\$511
OTH											\$0
PE					\$45						\$45
PP											\$0
ROW											\$0
Totals	\$0	\$0	\$0	\$0	\$445	\$111	\$0	\$0	\$0	\$0	\$556

***Water Taxi Boat Purchase and Pier Improvements***

TIP Id #	<b>12-0814-99</b>	Year of Operation	<b>Ongoing</b>
Agency	<b>Local Project</b>	Project Type	<b>Miscellaneous</b>
Project Category	<b>Miscellaneous</b>	Functional Class	<b>NA</b>
Conformity Status	<b>Exempt</b>	Physical Data	<b>NA</b>
CIP/CTP Page#	<b>N/A</b>		

Description	Justification
<b>Provides for the purchase of two new passenger vessels to be user in service of the Harbor Connector Shuttle from Tide Point to Fells Point and from Tide Point to Canton in the Inner Harbor. Funds also to be used to upgrade various piers and customer information panels.</b>	<b>Will provide an alternative commute option for travelers from residential areas on one side of the Inner Harbor to commercial areas on the other side of the Inner Harbor.</b>

**ARRA – Ferry Boat Discretionary Program**

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2008 Federal Funds	FY 2008 Matching Funds	FY 2009 Federal Funds	FY 2009 Matching Funds	FY 2010 Federal Funds	FY 2010 Matching Funds	FY 11-12 Federal Funds	FY 11-12 Matching Funds	Estimated Project Total
CON											\$0
OTH					\$1,590						\$1,590
PE											\$0
PP											\$0
ROW											\$0
Totals	\$0	\$0	\$0	\$0	\$1,590	\$0	\$0	\$0	\$0	\$0	\$1,590

***Transit Operations & Maintenance Facility***

TIP Id #	<b>16-0201-66</b>	Year of Operation	<b>2011</b>
Agency	<b>Local Project</b>	Project Type	<b>New bus facilities</b>
Project Category	<b>Transit</b>	Functional Class	<b>NA</b>
Conformity Status	<b>Exempt</b>	Physical Data	<b>NA</b>
CIP/CTP Page#	<b>NA</b>		

<p><b>Description</b></p> <p><b>Site selection, acquisition, design and construction of an operations and maintenance facility to be shared among Howard Transit, Connect-A-Ride and Western Anne Arundel County transit services. The facility will support fixed-route and paratransit services including such functions as dispatch, vehicle maintenance, parts storage, revenue collection and handling, vehicle storage and management, and administrative office space.</b></p>	<p><b>Justification</b></p> <p><b>A comprehensive, modern transit operations and maintenance facility will enable the County, Connect-A-Ride and Anne Arundel County to gain operational efficiencies, economies of scale, and cost savings. Such a multi-jurisdictional transit facility is needed to increase vendor competition and thereby Howard Transit, Connect-A-Ride and Anne Arundel County will receive the most competitive rates for transit service. The facility will enable the development of state-of-the-art service monitoring and revenue handling equipment. The facility will also allow transit service to Fort Meade and support BRAC related transportation needs.</b></p>
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**Section 1602 High Priority Projects**

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2008 Federal Funds	FY 2008 Matching Funds	FY 2009 Federal Funds	FY 2009 Matching Funds	FY 2010 Federal Funds	FY 2010 Matching Funds	FY 11-12 Federal Funds	FY 11-12 Matching Funds	Estimated Project Total
CON					\$500	\$125					\$625
OTH											\$0
PE			\$852	\$213	\$829	\$207					\$2,101
PP											\$0
ROW	\$2,908	\$727	\$1,092	\$273							\$5,000
<b>Totals</b>	<b>\$2,908</b>	<b>\$727</b>	<b>\$1,944</b>	<b>\$486</b>	<b>\$1,329</b>	<b>\$332</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$7,726</b>

**Howard County ARRA Projects**

TIP Id #	<b>16-0801-11</b>	Year of Operation	<b>2009</b>
Agency	<b>Howard County</b>	Project Type	<b>Road resurfacing/rehabilitation</b>
Project Category	<b>Highway Preservation</b>	Functional Class	<b>NA</b>
Conformity Status	<b>Exempt</b>	Physical Data	<b>NA</b>
CIP/CTP Page#	<b>NA</b>		

Description	Justification
<p><b>Rehabilitate and resurface County roads using American Recovery and Reinvestment Act funds. These non-capacity improvements will include milling, patching, sealing, and resurfacing existing deteriorated roadways throughout the County.</b></p> <p><b>Proposed locations included: 21 locations for resurfacing and rehabilitation. (See back of page)</b></p>	<p><b>All road segments listed are in need of resurfacing or rehabilitation. This will improve safety and flow of traffic. Projects have been reviewed by SHA and are consistent with the federal highway aid system. ARRA funds will be obligated within six months.</b></p>

**American Recovery and Reinvestment Act of 2009 (ARRA)**

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2008 Federal Funds	FY 2008 Matching Funds	FY 2009 Federal Funds	FY 2009 Matching Funds	FY 2010 Federal Funds	FY 2010 Matching Funds	FY 11-12 Federal Funds	FY 11-12 Matching Funds	Estimated Project Total
CON					\$2,993						\$2,993
OTH											\$0
PE											\$0
PP											\$0
ROW											\$0
Totals	\$0	\$0	\$0	\$0	\$2,993	\$0	\$0	\$0	\$0	\$0	\$2,993

## Howard County – ARRA Projects

Resurfacing/rehabilitation	Limits	Construction Estimate
<b>Bethany Lane</b>	<b>Route 40 to Route 99</b>	<b>\$87,458</b>
<b>Rogers Avenue</b>	<b>Route 40 to Old Frederick Road</b>	<b>\$390,264</b>
<b>Frederick Road</b>	<b>Route 40 to Centennial Lane</b>	<b>\$26,286</b>
<b>Frederick Road</b>	<b>Toll House Drive to Rogers Avenue</b>	<b>\$45,884</b>
<b>Cedar Lane</b>	<b>Route 32 to Little Patuxent Parkway</b>	<b>\$392,656</b>
<b>St Johns Lane</b>	<b>Route 29 to Frederick Road</b>	<b>\$100,021</b>
<b>Columbia Road</b>	<b>Route 108 to Saint Johns Lane</b>	<b>\$245,195</b>
<b>Little Patuxent Parkway</b>	<b>Columbia Road to West Running Brook Road</b>	<b>\$42,166</b>
<b>Centennial Lane</b>	<b>Route 108 to Route 40</b>	<b>\$465,768</b>
<b>Snowden River Parkway</b>	<b>Route 175 to McGaw Road</b>	<b>\$93,500</b>
<b>Hanover Road</b>	<b>Old Washington Boulevard to County Line</b>	<b>\$105,000</b>
<b>South Hanover road</b>	<b>Route 1 to end of pavement</b>	<b>\$75,068</b>
<b>Dorsey Run Road</b>	<b>Guilford Road to Old Jessup Road</b>	<b>\$189,753</b>
<b>Mayfield Avenue</b>	<b>Route 108 to Route 103</b>	<b>\$106,239</b>
<b>Oakland Mill Road</b>	<b>Snowden River Parkway to Guilford Road</b>	<b>\$74,498</b>
<b>Stephens Road</b>	<b>Gorman to Wiskey Bottom Road</b>	<b>\$56,564</b>
<b>Stephens Forest Road</b>	<b>Broken Land Parkway to Basket Ring Road</b>	<b>\$182,797</b>
<b>Whiteacre Road</b>	<b>Thunderhill Road to Basket Ring Road</b>	<b>\$48,998</b>
<b>Whiskey Bottom Road</b>	<b>Route 1 to County Line</b>	<b>\$83,760</b>
<b>Ten Oaks Road</b>	<b>MD Route 32 to traffic circle</b>	<b>\$34,323</b>
<b>Phelps Luck Road</b>	<b>MD Route 108 to Tamar Drive</b>	<b>\$143,704</b>
<b>Totals</b>		<b>\$2,989,902</b>

**Harford County ARRA Projects**

TIP Id #	<b>15-0801-11</b>	Year of Operation	<b>2009</b>
Agency	<b>Harford County</b>	Project Type	<b>Road resurfacing/rehabilitation</b>
Project Category	<b>Highway Preservation</b>	Functional Class	<b>NA</b>
Conformity Status	<b>Exempt</b>	Physical Data	<b>NA</b>
CIP/CTP Page#	<b>NA</b>		

Description	Justification
<p><b>Rehabilitate and resurface County roads using American Recovery and Reinvestment Act funds. These non-capacity improvements will include milling, patching, sealing, and resurfacing existing deteriorated roadways throughout the County.</b></p> <p><b>Proposed locations include: six resurfacing/rehabilitation projects, one road upgrade project and one intersection improvement project. (See back of page)</b></p>	<p><b>All road segments listed are in need of resurfacing or rehabilitation. This will improve safety and flow of traffic. Projects have been reviewed by SHA and are consistent with the federal highway aid system. ARRA funds will be obligated within six months.</b></p>

**American Recovery and Reinvestment Act of 2009 (ARRA)**

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2008 Federal Funds	FY 2008 Matching Funds	FY 2009 Federal Funds	FY 2009 Matching Funds	FY 2010 Federal Funds	FY 2010 Matching Funds	FY 11-12 Federal Funds	FY 11-12 Matching Funds	Estimated Project Total
CON					\$3,152						\$3,152
OTH											\$0
PE											\$0
PP											\$0
ROW											\$0
Totals	\$0	\$0	\$0	\$0	\$3,152	\$0	\$0	\$0	\$0	\$0	\$3,152

## Harford County – ARRA Projects

Resurfacing/rehabilitation	Limits	Construction Estimate
<b>Singer Road</b>	<b>MD 24 to MD 924</b>	<b>\$165,000</b>
<b>Brass Mill Road</b>	<b>MD 543 to MD 7</b>	<b>\$485,760</b>
<b>Joppa Farm Road</b>	<b>Garnett Road to Haverhill Road</b>	<b>\$200,600</b>
<b>Laurel Bush Road</b>	<b>MD 924 to Wheel Road</b>	<b>\$200,600</b>
<b>Old Joppa Road S</b>	<b>MD 7 to a location north of Webbs Lane and south of Stans Road</b>	<b>\$85,000</b>
<b>Pleasantville Road</b>	<b>High Point Road to Baltimore County Line</b>	<b>\$1,515,000</b>
	Sub total	\$2,651,960
Intersection Improvement		
<b>Wheel Road and Laurel Bus Road</b>	<b>A failing four way intersection to be turned into a roundabout</b>	<b>\$500,040</b>
Totals		\$3,151,960

\* Federal allocation for Harford County is \$3,152,000.

**Carroll County ARRA Projects**

TIP Id #	<b>14-0804-11</b>	Year of Operation	<b>2009</b>
Agency	<b>Carroll County</b>	Project Type	<b>Road resurfacing/rehabilitation</b>
Project Category	<b>Highway Preservation</b>	Functional Class	<b>NA</b>
Conformity Status	<b>Exempt</b>	Physical Data	<b>NA</b>
CIP/CTP Page#	<b>NA</b>		

Description	Justification
<p><b>Rehabilitate and resurface County roads using American Recovery and Reinvestment Act funds. These non-capacity improvements will include milling, patching, sealing, and resurfacing existing deteriorated roadways throughout the County.</b></p> <p><b>Proposed includes: Relocating a road, mill and overlay, and Reconstructing handicap ramps at public facilities. (See back of page)</b></p>	<p><b>All road segments listed are in need of resurfacing or rehabilitation. This will improve safety and flow of traffic. Projects have been reviewed by SHA and are consistent with the federal highway aid system. ARRA funds will be obligated within six months.</b></p>

**American Recovery and Reinvestment Act of 2009 (ARRA)**

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2008 Federal Funds	FY 2008 Matching Funds	FY 2009 Federal Funds	FY 2009 Matching Funds	FY 2010 Federal Funds	FY 2010 Matching Funds	FY 11-12 Federal Funds	FY 11-12 Matching Funds	Estimated Project Total
CON					\$2,715	\$595					\$3,310
OTH											\$0
PE											\$0
PP											\$0
ROW											\$0
Totals	\$0	\$0	\$0	\$0	\$2,715	\$595	\$0	\$0	\$0	\$0	\$3,310

## Carroll County – ARRA Projects

Carroll County will be executing a single ARRA construction contract not to exceed \$3,310,000. The contract will be \$2,715,000 in ARRA Funds and \$595,000 in Local Match funds.

Safety Improvements	Limits	Federal	Local Match	Construction Estimate
<b>Stone Road</b>	<b>Relocation of Stone Road at MD 97 intersection</b>	<b>\$800,000</b>	<b>\$200,000</b>	<b>\$1,000,000</b>
	Sub total			\$1,000,000
System Preservation				
<b>Center Street</b>	<b>MD 32 to Westminster City limits, Gorsuch Rd to Cranberry Rd</b>	<b>\$384,000</b>	<b>\$96,000</b>	<b>\$480,000</b>
<b>Gorsuch Road</b>	<b>MD 140 to MD 482</b>	<b>\$907,000</b>	<b>\$143,000</b>	<b>\$1,050,000</b>
<b>Kate Wagner Road</b>	<b>MD 32 to MD 27</b>	<b>\$624,000</b>	<b>\$156,000</b>	<b>\$780,000</b>
	Sub total			\$2,310,000
Totals		\$2,715,000	\$595,000	\$3,310,000

**Baltimore County ARRA Projects**

TIP Id #	<b>13-0805-11</b>	Year of Operation	<b>2009</b>
Agency	<b>Baltimore County</b>	Project Type	<b>Road resurfacing/rehabilitation</b>
Project Category	<b>Highway Preservation</b>	Functional Class	<b>NA</b>
Conformity Status	<b>Exempt</b>	Physical Data	<b>NA</b>
CIP/CTP Page#	<b>NA</b>		

Description	Justification
<p><b>Rehabilitate and resurface County roads using American Recovery and Reinvestment Act funds. These non-capacity improvements will include milling, patching, sealing, and resurfacing existing deteriorated roadways throughout the County.</b></p> <p><b>Proposed locations include: eighteen roads for resurfacing/rehabilitation. (See back of page)</b></p>	<p><b>All road segments listed are in need of resurfacing or rehabilitation. This will improve safety and flow of traffic. Projects have been reviewed by SHA and are consistent with the federal highway aid system. ARRA funds will be obligated within six months.</b></p>

**American Recovery and Reinvestment Act of 2009 (ARRA)**

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2008 Federal Funds	FY 2008 Matching Funds	FY 2009 Federal Funds	FY 2009 Matching Funds	FY 2010 Federal Funds	FY 2010 Matching Funds	FY 11-12 Federal Funds	FY 11-12 Matching Funds	Estimated Project Total
CON					\$8,129						\$8,129
OTH											\$0
PE											\$0
PP											\$0
ROW											\$0
Totals	\$0	\$0	\$0	\$0	\$8,129	\$0	\$0	\$0	\$0	\$0	\$8,129

**Baltimore County – ARRA Projects**

Resurfacing/rehabilitation	Limits	Construction Estimate
<b>Westchester Avenue</b>	<b>Oella Avenue to Westside Boulevard</b>	<b>\$263,000</b>
<b>Dogwood Road</b>	<b>Alberton Road to Belmont Avenue</b>	<b>\$501,000</b>
<b>Sugarcone Road</b>	<b>Greenspring Avenue to E. Mandel Court</b>	<b>\$266,000</b>
<b>Greenspring Avenue</b>	<b>S Willow Glen Drive to I-695</b>	<b>\$666,000</b>
<b>Gwynnbrook Avenue</b>	<b>W. Owings Mills Boulevard to Garrison Forest Road</b>	<b>\$193,000</b>
<b>Freeland Road</b>	<b>Mount Zion Road to York Road</b>	<b>\$459,000</b>
<b>Graystone Road</b>	<b>Old York Road to Graystone Farms Road</b>	<b>\$616,000</b>
<b>McCormick Road</b>	<b>Beaver Dam Road to York Road</b>	<b>\$756,000</b>
<b>Dogwood Road</b>	<b>Old Court Road to Alberton Road</b>	<b>\$518,000</b>
<b>St. Lukes Lane</b>	<b>Liberty Road to Windsor Mill Road</b>	<b>\$312,000</b>
<b>Fairmont Avenue</b>	<b>York Road to Goucher Boulevard</b>	<b>\$545,000</b>
<b>Hillsway Ave</b>	<b>Taylor Avenue to Perring Parkway</b>	<b>\$268,000</b>
<b>Hazelwood Avenue</b>	<b>W. Westwood Avenue to Willann Road</b>	<b>\$350,000</b>
<b>Lillian Holt Drive</b>	<b>Kenwood Avenue to Rossville Boulevard</b>	<b>\$365,000</b>
<b>Wilson Point Road</b>	<b>Dogwood Road to Wilson Point Road</b>	<b>\$454,000</b>
<b>Holabird Avenue</b>	<b>Merritt Boulevard to Maxwell Road</b>	<b>\$529,000</b>
<b>Merritt Boulevard</b>	<b>Peninsula Expressway to Sollers Point Road</b>	<b>\$202,000</b>
<b>Stemmers Run Road</b>	<b>Mace Ave to Eastern Boulevard</b>	<b>\$400,000</b>
<b>Totals</b>		<b>\$7,663,000 *</b>

\* Federal Funding allocation for Baltimore County is \$8,129,000.

**Anne Arundel County ARRA Projects**

TIP Id #	<b>11-0801-11</b>	Year of Operation	<b>2009</b>
Agency	<b>Anne Arundel County</b>	Project Type	<b>Road resurfacing/rehabilitation</b>
Project Category	<b>Highway Preservation</b>	Functional Class	<b>NA</b>
Conformity Status	<b>Exempt</b>	Physical Data	<b>NA</b>
CIP/CTP Page#	<b>NA</b>		

Description	Justification
<b>Rehabilitate and resurface County roads using American Recovery and Reinvestment Act funds. These non-capacity improvements will include milling, patching, sealing, and resurfacing existing deteriorated roadways throughout the County. Proposed locations include: 38 roadways were identified for resurfacing and three for partial reconstruction. (See back of page)</b>	<b>All road segments listed are in need of resurfacing or rehabilitation. This will improve safety and flow of traffic. Projects have been reviewed by SHA and are consistent with the federal highway aid system. ARRA funds will be obligated within six months.</b>

**American Recovery and Reinvestment Act of 2009 (ARRA)**

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2008 Federal Funds	FY 2008 Matching Funds	FY 2009 Federal Funds	FY 2009 Matching Funds	FY 2010 Federal Funds	FY 2010 Matching Funds	FY 11-12 Federal Funds	FY 11-12 Matching Funds	Estimated Project Total
CON					\$6,043						\$6,043
OTH											\$0
PE											\$0
PP											\$0
ROW											\$0
Totals	\$0	\$0	\$0	\$0	\$6,043	\$0	\$0	\$0	\$0	\$0	\$6,043

**Anne Arundel County – ARRA Project**

**Anne Arundel County will be executing a single ARRA construction contract not to exceed \$6,043,000 less SHA administration costs. The actual roads completed from this list will be subject to these limitations.** \*The number of roads and sum of the estimates exceeds the \$6,043,000 allocation for Anne Arundel County in the event that certain roads on the list cannot be resurfaced due to conflicting projects or required infrastructure upgrades, and to account for the unknown of final contract prices as bid. The complete list of federally eligible roads cleared to date is included here to ensure that a sufficient number of roads are approved for reimbursement in order to realize the full amount of the grant.

**State approved location of federally eligible roadway segments**

<b>Resurfacing/rehabilitation</b>	<b>Limits</b>	<b>Construction Estimate</b>
8th Ave NW.	MD 648 to MD 3	\$368,000.00
Townsend Ave	Ruth Avenue to MD 2	\$112,000.00
Jumpers Hole Rd	MD 2 to Elvaton Road	\$ 60,000.00
Point Pleasant Rd	E. Furnace Branch to 7th Street	\$208,000.00
Harness Creek Rd	Ferry Point Road to end	\$228,800.00
North Shore Rd	MD 177 to Edgewater Road	\$302,000.00
Wigley Ave	MD 175 to Montevideo Road	\$216,000.00
Jumpers Hole Rd	MD 177 to MD 2	\$480,000.00
Riverdale Rd	MD 648 to Inverness Road	\$172,000.00
West Nursery Rd	Hammonds Ferry Road to bridge at MD 295	\$240,400.00
Harmans Rd	Severn Road to MD 100	\$200,000.00
McKinsey Rd	MD 648 to MD 2	\$ 50,000.00
Andover Rd	Camp Meade Road to West Nursery Road	\$276,000.00
Benfield Blvd	West Benfield Road to Veterans Highway	\$176,000.00
Arundel Rd	Bar Harbor Road to Bay Road	\$158,000.00
Grandview Rd	Long Point/2nd Street to dead-end	\$126,000.00
Hampton Rd	River Bay Road to Blue Ridge Drive	\$170,000.00
Stewart Ave	MD 176 to Old Stage Road	\$ 92,000.00
Evergreen Rd	Robinson Road to MD 648	\$640,000.00
College Pkwy	MD 2 to Cape St. Claire Road	\$918,000.00
Edwin Raynor Blvd	Magothy Bridge Road to MD 177	\$222,000.00
Loch Haven Rd	MD 214 to Loch Haven Drive	\$244,000.00
	Total	\$5,659,200.00

<b>Alternate Roads*</b>		
<b>Resurfacing/rehabilitation</b>	<b>Limits</b>	<b>Construction Estimate</b>
Aquahart Rd	MD 2 to MD 3	\$196,000.00
Harry S Truman Pkwy	South Haven Drive to Riva Road	\$416,000.00
Jumpers Hole Rd	Elvaton Road to Benfield Road	\$600,000.00
McKinsey Rd	MD 2 to Giddings Road	\$142,000.00
Old Stage Rd	Quarterfield Road to Mayo Road	\$118,000.00
Old Waugh Chapel Rd	Piney Orchard Parkway to Waugh Chapel Road	\$124,000.00
Stewart Ave	Old Stage Road to 4th Avenue SW	\$104,000.00
Triton Beach Rd	Shoreham Beach Road to Carvel Lane	\$202,000.00
West Nursery Rd	Winterson Road to Elkridge Landing Road	\$100,000.00
Brightview Dr	Shadyhill Lane Road to Flour Mill Road	\$880,000.00
Hammonds Ferry Rd S	Maple Road W to Andover Road	\$138,000.00
Londontown Rd	Mayo Road to dead-end	\$250,000.00
Veterans Hwy	West Benfield Road to 400 feet south of MD 178	\$232,000.00
Veterans Hwy	MD 3 to West Benfield Road	\$634,000.00
River Rd	Furnace Ave to West Nursery Road	\$250,000.00
North Shore Dr	Solley Road to West Drive	\$154,000.00
Riva Rd	Speicher Drive to 300 feet north of Admiral Cochran Drive	\$144,000.00
Bestgate Rd	Generals Highway to Compton Drive	\$260,000.00
West Ordinance Rd	MD 2 to Furnace Branch Road	\$138,000.00

**BRAC Related Intersections near Fort Meade**

TIP Id #	<b>61-0802-39</b>	Year of Operation	<b>2012</b>
Agency	<b>State Highway Administration</b>	Project Type	<b>Safety other</b>
Project Category	<b>Environmental/Safety</b>	Functional Class	<b>NA</b>
Conformity Status	<b>Exempt</b>	Physical Data	<b>NA</b>
CIP/CTP Page#	<b>NA</b>		

Description	Justification
<p><b>Design and construct intersection improvements at key locations along access routes to Fort Meade. Bicycle and pedestrian facilities will be provided where appropriate. As the design phase progresses, decisions will be made regarding intersection locations and the extent of improvements based upon available construction funding.</b></p> <p><b>Proposed locations include: <u>MD 175 at Reece Road</u>, <u>MD 175 at Mapes Road</u>, <u>MD 175 at Disney Road</u> and <u>MD 175 at Rockenbach Road</u>.</b></p>	<p><b>Improved access to Fort Meade is a vital component needed to accommodate the increase of employment as a result of BRAC. These intersection improvements will improve safety, capacity and operations in the near-term.</b></p>

**Public Land Highways (PLH)**

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2008 Federal Funds	FY 2008 Matching Funds	FY 2009 Federal Funds	FY 2009 Matching Funds	FY 2010 Federal Funds	FY 2010 Matching Funds	FY 11-12 Federal Funds	FY 11-12 Matching Funds	Estimated Project Total
CON											\$0
OTH											\$0
PE			\$285		\$168						\$453
PP											\$0
ROW											\$0
Totals	\$0	\$0	\$285	\$0	\$168	\$0	\$0	\$0	\$0	\$0	\$453

### National Highway System (NHS)

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2008 Federal Funds	FY 2008 Matching Funds	FY 2009 Federal Funds	FY 2009 Matching Funds	FY 2010 Federal Funds	FY 2010 Matching Funds	FY 11-12 Federal Funds	FY 11-12 Matching Funds	Estimated Project Total
CON									\$5,586	\$1,576	\$7,162
OTH											\$0
PE											\$0
PP											\$0
ROW							\$390	\$110	\$3,900	\$1,100	\$5,500
Totals	\$0	\$0	\$0	\$0	\$0	\$0	\$390	\$110	\$9,486	\$2,676	\$12,662

### Surface Transportation Program (STP)

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2008 Federal Funds	FY 2008 Matching Funds	FY 2009 Federal Funds	FY 2009 Matching Funds	FY 2010 Federal Funds	FY 2010 Matching Funds	FY 11-12 Federal Funds	FY 11-12 Matching Funds	Estimated Project Total
CON									\$5,586	\$1,576	\$7,162
OTH											\$0
PE				\$1*		\$1,332*		\$1,500*		\$2,978*	\$5,811
PP											\$0
ROW							\$390	\$110	\$3,900	\$1,100	\$5,500
Totals	\$0	\$0	\$0	\$1	\$0	\$1,332	\$390	\$1,610	\$9,486	\$5,654	\$18,473

\* State funding included in this total exceeds the federally required match.

**BRAC Related Intersections near Aberdeen Proving Ground**

TIP Id #	<b>65-0804-39</b>	Year of Operation	<b>2012</b>
Agency	<b>State Highway Administration</b>	Project Type	<b>Safety other</b>
Project Category	<b>Environmental/Safety</b>	Functional Class	<b>NA</b>
Conformity Status	<b>Exempt</b>	Physical Data	<b>NA</b>
CIP/CTP Page#	<b>NA</b>		

Description	Justification
<p><b>Design and construct intersection improvements at key locations along access routes to Aberdeen Proving Ground. Bicycle and pedestrian facilities will be provided where appropriate. As the design phase progresses, decisions will be made regarding intersection locations and the extent of improvements based upon available construction funding.</b></p> <p><b>Proposed locations include: MD 22 at MD 462, MD 22 at Old Post Road, US 40 at MD 7/MD 159 and US 40 at MD 715.</b></p>	<p><b>Improved access to Aberdeen Proving Ground is a vital component needed to accommodate the increase of employment as a result of BRAC. These intersection improvements will improve safety, capacity and operations in the near-term.</b></p>

**Office of Economic Adjustment (OEA) Grant**

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2008 Federal Funds	FY 2008 Matching Funds	FY 2009 Federal Funds	FY 2009 Matching Funds	FY 2010 Federal Funds	FY 2010 Matching Funds	FY 11-12 Federal Funds	FY 11-12 Matching Funds	Estimated Project Total
CON											\$0
OTH											\$0
PE			\$280	\$31	\$395	\$44					\$750
PP											\$0
ROW											\$0
Totals	\$0	\$0	\$280	\$31	\$395	\$44	\$0	\$0	\$0	\$0	\$750

### Public Land Highways (PLH)

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2008 Federal Funds	FY 2008 Matching Funds	FY 2009 Federal Funds	FY 2009 Matching Funds	FY 2010 Federal Funds	FY 2010 Matching Funds	FY 11-12 Federal Funds	FY 11-12 Matching Funds	Estimated Project Total
CON											\$0
OTH											\$0
PE					\$1,061		\$986				\$2,047
PP											\$0
ROW											\$0
Totals	\$0	\$0	\$0	\$0	\$1,061	\$0	\$986	\$0	\$0	\$0	\$2,047

### National Highway System (NHS)

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2008 Federal Funds	FY 2008 Matching Funds	FY 2009 Federal Funds	FY 2009 Matching Funds	FY 2010 Federal Funds	FY 2010 Matching Funds	FY 11-12 Federal Funds	FY 11-12 Matching Funds	Estimated Project Total
CON									\$6,388	\$1,803	\$8,191
OTH											\$0
PE											\$0
PP											\$0
ROW							\$975	\$275	\$975	\$275	\$2,500
Totals	\$0	\$0	\$0	\$0	\$0	\$0	\$975	\$275	\$7,363	\$2,078	\$10,691

### Surface Transportation Program (STP)

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2008 Federal Funds	FY 2008 Matching Funds	FY 2009 Federal Funds	FY 2009 Matching Funds	FY 2010 Federal Funds	FY 2010 Matching Funds	FY 11-12 Federal Funds	FY 11-12 Matching Funds	Estimated Project Total
CON									\$6,390	\$1,801	\$8,191
OTH											\$0
PE								\$514*		\$7,189*	\$7,703
PP											\$0
ROW							\$975	\$275	\$975	\$275	\$2,500
Totals	\$0	\$0	\$0	\$0	\$0	\$0	\$975	\$789	\$7,365	\$9,265	\$18,394

\* State funding included in this total exceeds the federally required match.

**Boston/O'Donnell Street Connector**

TIP ID #	<b>12-0813-42</b>	Year of Operation	<b>2012</b>
Agency	<b>Local Project</b>	Project Type	<b>New or extended highway</b>
Project Category	<b>Highway Capacity</b>	Functional Class	<b>Minor Arterial</b>
Conformity Status	<b>Not Exempt</b>	Physical Data	<b>0 to 4 lanes</b>
CIP/CTP Page#			

Description	Justification
<b>New north/south connection of Boston Street to O'Donnell Street adjacent to Haven Street as well as the extension of Eaton Street from Boston Street to O'Donnell Street along abandoned railroad right-of-way.</b>	<b>This represents the locally-preferred alternative from the Boston Street Environmental Assessment; which responds to growth and development in the Boston Street corridor and the operational deficiencies associated with railroad crossings on Boston Street, east of Haven Street.</b>

**Surface Transportation Program**

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2008 Federal Funds	FY 2008 Matching Funds	FY 2009 Federal Funds	FY 2009 Matching Funds	FY 2010 Federal Funds	FY 2010 Matching Funds	FY 11-12 Federal Funds	FY 11-12 Matching Funds	Estimated Project Total
CON									\$42,000	\$8,400	\$50,400
OTH											\$0
PE							\$2,100	\$400			\$2,500
PP											\$0
ROW											\$0
Totals	\$0	\$0	\$0	\$0	\$0	\$0	\$2,100	\$400	\$42,000	\$8,400	\$52,900



**American Recovery Reinvestment – Phase 2  
State Highway Administration Projects**

Location	Description	Cost (\$M)	Estimated Jobs
<b>BRIDGE PROJECTS</b>			
Baltimore Co	Bridge Replacement: I-695 @ MD 26	30.0	tbd
		Baltimore Region Total	30

**Maryland Transit Administration Projects**

Location	Description	Cost (\$M)	Estimated Jobs
<b>LOTS and Station Projects</b>			
Annapolis	Heavy duty bus replacements	2.3	tbd
Anne Arundel	Medium bus replacements Additional elevators and electrical system upgrades at BWI Rail Station	0.4 3.0	tbd tbd
Baltimore Co	Parking expansion at Falls Road Light Rail Stop	2.3	tbd
Baltimore City	Replace windows & boilers at MARC Penn Station MARC West Baltimore parking expansion	4.0 3.0	tbd tbd
Carroll	Small bus replacements and support vehicle purchases Facility and equipment upgrades	0.3 1.6	tbd tbd
CTC	Install Automatic Vehicle Locator (AVL) system	0.6	tbd
Harford	Small bus replacements and medium bus purchase	4.6	tbd
Howard	Facility and equipment upgrades Paratransit and hybrid bus purchases	0.5 2.2	tbd tbd
		Total	24.8
<b>MTA Projects</b>			
Baltimore Reg	Replacement of some of the oldest buses with hybrid electrics	9.6	tbd
Baltimore Reg	Replacement of roofs on the Washington Blvd bus maintenance complex	10.1	tbd
Baltimore Reg	Installation of additional Light Rail electric substations and new signage at downtown stops	5.3	tbd
Areawide	Improvements on CXS owned lines to enhance safety and reliability of MARC service	4.7	tbd
Baltimore Reg	Improvements to Martins MARC maintenance facility	0.4	tbd
Baltimore Reg	Replacement of deteriorated rail fasteners and bolts in the Metro Subway	6.5	tbd
Baltimore Reg	Replace public address system in all MTA owned MARC stations	3.5	tbd
Baltimore Reg	Replace public address system in the Metro Subway	5.4	tbd
Baltimore Reg	Lighting, safety enhancements and cleaning throughout the Metro Subway	5.0	tbd
Baltimore Reg	Maintenance of Metro Subway underground tunnels and stations to maintain structural integrity and reduce water infiltration	3.9	tbd
Baltimore Reg	Maintenance of Metro Subway concrete structures and bridges	2.6	tbd
Baltimore Reg	Overhaul wheels, axles and traction motors on 25-year old Metro Subway railcars	19.5	tbd
		Total	76.5
		Baltimore Region total (\$ millions)	\$131.3

**American Recovery Reinvestment – Phase 2  
Maryland Highway Projects Baltimore Region**

Location	Description	Cost (\$M)	Estimated Jobs
	ENVIRONMENTAL		
Regional	Wetland planting and reforestation in District 5	0.1	tbd
Regional	Wetland planting and reforestation in Districts 4 & 7	0.5	tbd
	Total	0.6	
	TRAFFIC & SAFETY PROJECTS		
Anne Arundel	Traffic Signal Reconstruction at: MD 2 and MD 710	2.3	tbd
Regional	Dynamic Message Signs Deployment	1.3	tbd
Regional	Sign Lighting System (Lumitrak)	0.5	tbd
Regional	Uninterrupted Power Supply (UPS)/Light Emitting Diode (LED) in Districts 3, 6 & 7	1.7	tbd
Regional	UPS/LED in Districts 1, 2, 4 & 5	1.5	tbd
Regional	Interstate Highway Lighting	5.6	tbd
Regional	Traffic Detection at Signalized Intersections	0.6	tbd
Baltimore Co	Traffic Signal Reconstruction at: MD 7, MD 157 and MD 700	2.3	tbd
Carroll	Geometric Improvements: MD 27 at MD 140 Ramps	1.0	tbd
Carroll	Left turn lane: MD 26 at Klees Mill Road	2.3	tbd
	Total	19.1	
	RESURFACING PROJECTS		
Baltimore Co	I-83: Downes Road to PA Line and ramps at MD 45, Mt. Carmel Road and Middletown Road	4.6	tbd
Howard	US 29: Brokenland Parkway to Middle Patuxent River (southbound)	5.1	tbd
	Total	9.7	tbd
	BRIDGE PROJECTS		
Baltimore City	Argonne Drive Bridge	8.0	tbd
	Total	8	
	Baltimore Region total (\$ millions)	37.4	

**Urban Youth Corps Program**

TIP Id #	12-0029-99	Year of Operation	Ongoing
Agency	Local Project	Project Type	Miscellaneous
Project Category	Miscellaneous	Functional Class	NA
Conformity Status	Exempt	Physical Data	NA
CIP/CTP Page#	NA		

Description	Justification
A training program in the highway construction / public works industry.	This project will assist at-risk youth (ages 17-25) in obtaining and maintaining employment through intensive life skill development and on-the-job training.

**Surface Transportation Program**

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2008 Federal Funds	FY 2008 Matching Funds	FY 2009 Federal Funds	FY 2009 Matching Funds	FY 2010 Federal Funds	FY 2010 Matching Funds	FY 11-12 Federal Funds	FY 11-12 Matching Funds	Estimated Project Total
CON											\$0
OTH					\$375		\$375				\$1,125
PE											\$0
PP	\$1,670	\$418									\$2,088
ROW											\$0
<b>Totals</b>	<b>\$1,670</b>	<b>\$418</b>	<b>\$0</b>	<b>\$0</b>	<b>\$375</b>	<b>\$0</b>	<b>\$375</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,213</b>

## American Recovery and Reinvestment Act – Phase 1

Transit Projects			
Location	Description	Cost (\$M)	Estimated Jobs
Regional	Bus - procurement and equipment	65.6	1561
Regional	Light Rail - system renewal and improvements	5.3	126
Anne Arundel Co	MARC – BWI station renovation	3.0	71
Baltimore Co	MARC – Martins yard improvements	0.4	8
Baltimore City	MARC – Penn station improvements	4.0	95
Regional	Metro – fastener and bolt replacement	3.1	74
Regional	Metro – public address system	6.1	145
Regional	Metro – station restoration	5.0	119
Baltimore City	Metro – tunnel and underground station repairs	4.5	107
Regional	Metro – bridge & elevated structures rehabilitation	4.8	114
Regional	Metro – railcar truck overhaul	20.3	483
Annapolis, AA, HO	Local transit vehicles / facilities (urban)	2.0	
Harford	Local transit vehicles / facilities (small urban)	1.0	
All jurisdictions	Local transit vehicles / facilities (rural)	1.4	
	Transit Total	126.5 est.	
Highway Projects			
Howard	I-95: I-495 to MD 100 - median	0.2	6
BA, HA, CL	Safety: guardrail	1.0	29
Anne Arundel	Safety: guardrail	1.0	29
BA, HA, CL	Safety: ADA contract for District 4	2.3	66
Anne Arundel	Safety: ADA contract for District 5	2.9	83
HO, CL	Safety: ADA contract for District 7	1.1	32
HO, HA	Truck Weigh/Inspection Stations Full Depth Concrete Repair	0.6	17
BA, HA, CL, HO, AA	Install/Upgrade Areawide Signing	1.3	37
BA, HA, CL, HO, AA	Traffic Detection at Signalized Intersections	0.5	14
Anne Arundel	Areawide resurfacing	4.6	132
Anne Arundel	Areawide resurfacing	4.6	132
Baltimore Co	Areawide resurfacing, west of I-83	4.6	132
Baltimore Co	Areawide resurfacing, east of I-83	4.6	132
Carroll Co	Areawide resurfacing	2.3	66
BA, HA, CL	Safety and ADA improvements associated with resurfacing projects	0.4	11
Anne Arundel	Safety and ADA improvements associated with resurfacing projects	0.4	11
Harford Co	Areawide resurfacing	4.6	132
Harford Co	Resurfacing - MD 543: Wheel Rd to MD 22	1.7	49
Howard Co	Areawide resurfacing	4.6	132
Baltimore City	Resurfacing – Park Heights Ave: Northern Parkway to Garrison Blvd	2.4	69
Baltimore City	Resurfacing – Hilton St: Frederick Ave to Mulberry St	1.5	43
Baltimore City	Resurfacing – Frankford Ave: Sinclair Lane to Moravia Park Drive	1.3	37
HO, CL	Safety and ADA improvements associated with resurfacing projects	0.2	6
Baltimore City	Reconstruction – Orleans St: Central Ave to Wolfe St	10.9	313
Baltimore City	Reconstruction – Northern Parkway: Falls Rd to Park Heights Ave	11.0	316
	Highway Total	70.6 est.	

**Bridge System Preservation Projects**

TIP Id #	<b>60-0801-13</b>	Year of Operation	<b>2010</b>
Agency	<b>State Highway Administration</b>	Project Type	<b>Bridge repair/deck replacement</b>
Project Category	<b>Highway Preservation</b>	Functional Class	
Conformity Status	<b>Exempt</b>	Physical Data	
CIP/CTP Page#			

Description	Justification
<p><b>Rehabilitation of four bridges in the Baltimore region:</b></p> <ul style="list-style-type: none"> <li>• <b>Anne Arundel County</b> <ul style="list-style-type: none"> <li>○ <b>Ridge Road at MD 295 (\$3M)</b></li> </ul> </li> <li>• <b>Baltimore County</b> <ul style="list-style-type: none"> <li>○ <b>US 1 at Sulphur Spring (\$1.8M)</b></li> <li>○ <b>US 1 at Little Gunpowder Falls (\$4.5M)</b></li> </ul> </li> <li>• <b>Carroll County</b> <ul style="list-style-type: none"> <li>○ <b>MD 97 at Morgan Run (\$2M)</b></li> </ul> </li> </ul>	<p><b>The U.S. Congress has provided Obligation Authority (OA) for bridge system preservation through Special OA Funds. Four bridges in the Baltimore region have qualified for \$11.3 million based on:</b></p> <ul style="list-style-type: none"> <li>• <b>All were rated structurally deficient;</b></li> <li>• <b>Projects were spread out geographically across the state;</b></li> <li>• <b>Projects were selected that were able to be designed in a reasonable amount of time;</b></li> <li>• <b>They are lower cost bridges that allowed for multiple improvements compared to 1 or 2 larger bridge projects; and</b></li> <li>• <b>The combination of bridges added up to the allotted \$23 million statewide total.</b></li> </ul>

**Special OA Funds**

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	2008 Federal Funds	2008 Matching Funds	2009 Federal Funds	2009 Matching Funds	2010 Federal Funds	2010 Matching Funds	11-12 Federal Funds	11-12 Matching Funds	Estimated Project Total
CON					\$9,040	\$2,260					\$11,300
OTH											\$0
PE											\$0
PP											\$0
ROW											\$0
Totals	\$0	\$0	\$0	\$0	\$9,040	\$2,260	\$0	\$0	\$0	\$0	\$11,300

**MD 45: Cavan Drive to Ridgely Road**

TIP Id #	<b>63-0501-42</b>	Year of Operation	<b>2009</b>
Agency	<b>State Highway Administration</b>	Project Type	<b>New or extended roadways</b>
Project Category	<b>Highway Capacity</b>	Functional Class	<b>Collectors, major or minor</b>
Conformity Status	<b>Not Exempt</b>	Physical Data	<b>1.1mile 4/5 lanes</b>
CIP/CTP Page#	<b>B-6</b>		

Description	Justification
<b>Widen MD 45 from Cavan Drive to Ridgely Road to provide a two-way center left turn lane. This project will include streetscape amenities and bicycle and pedestrian improvements where appropriate.</b>	<b>This project will improve operations and safety as well as beautify this segment of MD 45. This project is in the Baltimore Regional Transportation Plan. * Could serve to improve conditions for bicycling and/or walking per approved local, regional and/or statewide bicycle and pedestrian planning documents.</b>

**Section 1602 High Priority Projects**

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2008 Federal Funds	FY 2008 Matching Funds	FY 2009 Federal Funds	FY 2009 Matching Funds	FY 2010 Federal Funds	FY 2010 Matching Funds	FY 11-12 Federal Funds	FY 11-12 Matching Funds	Estimated Project Total
CON	\$1,780	\$2,282	\$1,956	\$2,508	\$679	\$871					\$10,076
OTH											\$0
PE											\$0
PP											\$0
ROW					\$3,062	\$765					\$3,827
Totals	\$1,780	\$2,282	\$1,956	\$2,508	\$3,741	\$1636	\$0	\$0	\$0	\$0	\$13,903

**Surface Transportation Program**

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2008 Federal Funds	FY 2008 Matching Funds	FY 2009 Federal Funds	FY 2009 Matching Funds	FY 2010 Federal Funds	FY 2010 Matching Funds	FY 11-12 Federal Funds	FY 11-12 Matching Funds	Estimated Project Total
CON	\$890	\$1,015	\$1,589	\$1,846	\$1,467	\$1,765					\$8,572
OTH	\$312	\$400	\$489	\$626	\$437	\$561					\$2,825
PE		\$2,094									\$2,094
PP											\$0
ROW	\$2,542	\$3,177									\$5,719
Totals	\$3,744	\$6,686	\$2,078	\$2,472	\$1,904	\$2,326	\$0	\$0	\$0	\$0	\$19,210





**Water Taxi: New Terminals**

TIP Id #	<b>12-0741-99</b>	Year of Operation	<b>2011</b>
Agency	<b>Local Project</b>	Project Type	<b>Miscellaneous</b>
Project Category	<b>Miscellaneous</b>	Functional Class	<b>NA</b>
Conformity Status	<b>Exempt</b>	Physical Data	<b>NA</b>
CIP/CTP Page#	<b>508-661</b>		

Description	Justification
<b>The work includes the complete design and construction of a 5,000 square foot building, piers, and parking for new water taxi landing. Destination signage for 14 water taxi landings to consist of land-oriented and water oriented elements.</b>	<b>To serve as the Inner Harbor terminal for the water taxi and house the U.S.S. Constellation Museum.</b>

**Section 1602 High Priority Projects**

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2008 Federal Funds	FY 2008 Matching Funds	FY 2009 Federal Funds	FY 2009 Matching Funds	FY 2010 Federal Funds	FY 2010 Matching Funds	FY 11-12 Federal Funds	FY 11-12 Matching Funds	Estimated Project Total
CON					800	200	800	200			\$2,000
OTH											\$0
PE			400	100							\$500
PP											\$0
ROW											\$0
<b>Totals</b>	<b>\$0</b>	<b>\$0</b>	<b>\$400</b>	<b>\$100</b>	<b>\$800</b>	<b>\$200</b>	<b>\$800</b>	<b>\$200</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,500</b>





**March 7, 2008 Administrative Modification**

2008 - 2012 Transportation Improvement Program

MTA - Transit

Transit

***Private, Non-Profit Service for Elderly and Handicapped***

TIP Id #	<b>40-0207-63</b>	Year of Operation	<b>Ongoing</b>
Agency	<b>MTA - Transit</b>	Project Type	<b>Fleet improvement</b>
Project Category	<b>Transit</b>	Functional Class	<b>NA</b>
Conformity Status	<b>Exempt</b>	Physical Data	<b>NA</b>
CIP/CTP Page#	<b>MTA-29</b>		

Description	Justification
<b>Purchase of vehicles and equipment for Maryland non-profit agencies.</b>	<b>This program assists Private, Non-Profit agencies in acquiring vehicles to provide services to the Elderly and Persons with Disabilities.</b>

**Section 5310 Elderly Persons and Persons with Disabilities**

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2008 Federal Funds	FY 2008 Matching Funds	FY 2009 Federal Funds	FY 2009 Matching Funds	FY 2010 Federal Funds	FY 2010 Matching Funds	FY 11-12 Federal Funds	FY 11-12 Matching Funds	Estimated Project Total
CON											\$0
OTH	1900	475	1600	400	1664	416	1300	325	2361	590	11031
PE											\$0
PP											\$0
ROW											\$0
<b>Totals</b>	<b>1900</b>	<b>475</b>	<b>1600</b>	<b>400</b>	<b>1664</b>	<b>416</b>	<b>1300</b>	<b>325</b>	<b>2361</b>	<b>590</b>	<b>11031</b>

**Baltimore Red Line**

TIP Id #	<b>40-0602-69</b>	Year of Operation	<b>n/a</b>
Agency	<b>MTA - Transit</b>	Project Type	<b>Other</b>
Project Category	<b>Transit</b>	Functional Class	<b>NA</b>
Conformity Status	<b>Exempt</b>	Physical Data	<b>10.5 m</b>
CIP/CTP Page#	<b>MTA-32</b>		

Description	Justification
<p><b>Prepare project planning study to identify and analyze several potential alternatives for a Bus Rapid Transit (BRT) or Light Rail Transit (LRT) 10.5 mile transit line from the Woodlawn area in Baltimore County to Fells Point in Baltimore City. The study involves Alternatives Analysis and Draft Environmental Impact Statement (DEIS), Preliminary Engineering and Final Environmental Impact Statement (EIS) related activities including: preliminary engineering and mode feasibility analyses; environmental screening; identification of right-of-way issues; ridership potential; capital and annual operating costs; social, cultural and economic development benefits and impacts; Transit Oriented Development planning, community outreach and local agency coordination and Federal Transit Administration (FTA) New Starts submittal activities.</b></p>	<p><b>The Red Line will improve transit mobility in an east-west corridor of the Baltimore region from the Woodlawn area to Fells Point/Patterson Park. This project is intended to help address traffic congestion, provide better connectivity to existing transit service, support new and future transit-oriented economic development and revitalization efforts and help address regional air quality issues.</b></p>

