

MAJOR PROJECT SIGNIFICANT CHANGES TO THE FY 2009-2014 CTP

Significant project changes consist of additions to, or deletions from, the Construction Program or the Development and Evaluation Program; changes in the construction start year; significant cost increases or decreases, and changes in the scope of a project.

In total, \$793.7 million worth of projects have been added to the Construction Program. This occurred for one of four reasons: 1) Federal American Recovery and Reinvestment Act (ARRA) funding was received by Maryland; 2) Projects were moved from the System Preservation Minor Projects Program to the Construction Program; 3) Additional federal bridge funding was received by Maryland; or 4) The Maryland Transportation Authority used savings from a reduction in scope of the I-95 Express Toll Lanes (ETL) Project to fund needed preservation projects. Also included are five projects moved from the D&E Program to the Construction Program at a cost of \$126.2 million. All these projects are listed below by category:

PROJECTS ADDED TO THE CONSTRUCTION PROGRAM

<u>PROJECT DESCRIPTION</u>	<u>TOTAL COST</u> <u>(\$ MILLIONS)</u>
Maryland Aviation Administration	
Integrated Life-Safety and Security Systems at BWI Marshall Airport *	35.4
Maryland Port Administration	
Chrome Ore Processing Residue Remediation (COPR) *	28.6
Maryland Transit Administration	
Light Rail Vehicle Overhaul and Body Refurbishment *	13.0
Metro Railcar Truck Assembly Overhaul (ARRA)	19.5
Metro Train Control System Upgrade *	25.1
Metro Electrical Substation Improvements *	12.5
Metro Interlocking Renewals *	11.9
Bus On-Board Closed Circuit Television Retrofit *	11.0
Intercounty Connector Buses (Transferred from MdTA)	10.0
Trunked Radio Site Locations *	12.1
Agencywide Roof Replacement (ARRA)	19.9

PROJECTS ADDED TO THE CONSTRUCTION PROGRAM (Cont'd)

PROJECT DESCRIPTION

TOTAL COST
(\$ MILLIONS)

Washington Metropolitan Area Transit

WMATA American Recovery and Reinvestment Act Capital Program (ARRA) 72.4

State Highway Administration

MD 36, George's Creek Road; Replace Bridge 1166 over Koontz Run (Allegany) ** 1.8

MD 147, Harford Road; Streetscape Improvements from Taylor Ave. to Joppa Rd. (Parkville) (Baltimore) * 13.9

I-695, Baltimore Beltway; Replace Bridge 3139 at MD 26 (Liberty Road) (Baltimore) (ARRA) 33.8

MD 7, Philadelphia Road; Streetscape Improvements from US 40 to I-695 (Rosedale) (Baltimore) * 15.6

MD 140, Baltimore Street; Streetscape Improvements from Harney Road to MD 832 (Carroll) * 18.0

I-70, Baltimore National Pike; South Mountain Welcome Center (Frederick) * 21.3

MD 464, Point of Rocks Road; Replace Bridge 10091 over Catocin Creek. (Frederick) ** 5.2

MD 725, Old Marlboro Road; Replace Bridge 16009 over Federal Spring Branch (Prince George's) (ARRA) 3.0

MD 667, Rehobeth Road; Replace Bridge 19021 over Puncheon Landing Branch (Somerset) ** 0.7

MD 328, New Bridge Road; Replace Bridge 5012 over Tuckahoe Creek (Caroline, Talbot) ** 17.1

Maryland Transportation Authority

I-95 John F Kennedy Memorial Highway - Underwater Repairs at Tydings Bridge *** 41.8

I-95 John F. Kennedy Memorial Highway - New Maintenance Facility * 17.5

I-95 Fort McHenry Tunnel - Rehabilitate Deteriorated Concrete Tunnel Deck * 22.3

I-95 Fort McHenry Tunnel - I-395 Repair and Spot Paint Beam Ends, Deck Seal and Joint Repair *** 19.1

MD 695 Francis Scott Key Bridge - Replace Curtis Creek Grid Deck * 14.4

MD 695 Francis Scott Key Bridge - Paint Bridge Fascia Beams and Repair Section Loss *** 14.6

I-895 Baltimore Harbor Tunnel Thruway - Rehabilitation Patapsco Flats Bridge Substructure *** 14.1

US 40 Thomas J. Hatem Memorial Bridge - Underwater Repairs * 26.5

US 40 Thomas J. Hatem Memorial Bridge - Cleaning and Painting Structural Steel *** 10.5

PROJECTS ADDED TO THE CONSTRUCTION PROGRAM (Cont'd)

PROJECT DESCRIPTION

TOTAL COST
(\$ MILLIONS)

Maryland Transportation Authority

US 301 Harry W. Nice Bridge - Cleaning and Painting Structural Steel, Fatigue Retrofits and Miscellaneous Structural Repairs *	21.8
Authority-wide - Upgrade Authority Radio Communication Systems (700 MHz System) *	23.7
Authority-wide - Procure, Upgrade, Repair and Replace Signs Including Dynamic Message Signs and Sign Structures *	39.4
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Total	667.5

Footnotes:

* Moved to the Construction Program from the System Preservation Program

** Added to the Construction Program due to additional federal bridge funding

*** MdTA project added to the Construction Program due to savings from the I-95 Express Toll Lanes (ETL) Project

PROJECTS MOVED FROM THE D&E PROGRAM TO THE CONSTRUCTION PROGRAM

PROJECT DESCRIPTION

ADDITIONAL COST
(\$ MILLIONS)

Maryland Transit Administration

MARC West Baltimore Station Parking Expansion (ARRA)

10.9

Central Maryland Transit Maintenance Facility

8.3

State Highway Administration

MD 404, Shore Highway; Upgrade MD 404 from Tuckahoe Road to MD 480 (ARRA) (Caroline)

14.4

I-70, Baltimore National Pike; I-70, Phase 2D (Frederick)

49.1

US 40, Pulaski Highway; Interchange at MD 715 (Harford)

43.5

Total **126.2**

PROJECTS MOVED FROM THE CONSTRUCTION PROGRAM TO THE D&E PROGRAM

<u>PROJECT DESCRIPTION</u>	<u>JUSTIFICATION</u>	<u>TOTAL COST</u> <u>(\$ MILLIONS)</u>
Maryland Transit Administration Takoma/Langley Park Transit Center		13.1
		<hr/> Total 13.1

PROJECTS REMOVED FROM THE D&E PROGRAM

The following projects have been removed from the D&E Program:

<u>PROJECT DESCRIPTION</u>	<u>PHASE</u>	<u>JUSTIFICATION</u>
State Highway Administration		
MD 28, Rockville Town Center; At Rockville Town Center (Montgomery)		Project is listed in the System Preservation Program
I-95/495, University of Maryland Access Study; Bus access to the College Park Campus (Prince George's)		Removed due to Economic Downturn

CONSTRUCTION SCHEDULE DELAYS

The start of construction has been postponed from the schedule shown in the FY 2009-2014 CTP, for the following six major projects:

<u>PROJECT DESCRIPTION</u>	<u>JUSTIFICATION</u>	<u>FISCAL YEAR</u>
Motor Vehicle Administration		
Title and Registration Information System 2 (TARIS 2)	Cost Containment	FY 2011 to FY 2012
Maryland Aviation Administration		
Integrated Life-Safety and Security Systems at BWI Marshall Airport	Construction start dependent on PFC funding availability.	FY 2010 to FY 2011
Terminal Modernization Program at BWI Marshall Airport	Preliminary engineering dependent on PFC funding availability.	FY 2010 to FY 2011
Maryland Transportation Authority		
I-95 Fort McHenry Tunnel - Bridge, Roadway and Signage Rehabilitation North of Tunnel	Revised Cash Flows	FY 2011 to FY 2012
Francis Scott Key Bridge - Police Outdoor Firing Range	Agreement Pending	FY 2010 to FY 2011
US 50/301 - Bay Bridge Cleaning and Painting Structural Steel Westbound Bridge	Cash Flow Revisions	FY 2010 to FY 2011

CONSTRUCTION SCHEDULE ADVANCEMENTS

The start of construction has been advanced from the schedule shown in the FY 2009-2014 CTP, for the following major project.

<u>PROJECT DESCRIPTION</u>	<u>JUSTIFICATION</u>	<u>FISCAL YEAR</u>
Maryland Aviation Administration		
Concourse C/D Apron Reconstruction at BWI Marshall Airport (ARRA)	Receipt of \$15 million in Americal Recovery Reinvestment Act funding advanced project.	FY 2012 to FY 2010

COST & SCOPE CHANGES

In total, one-hundred and twenty-two major construction projects experienced significant changes in project cost or scope, for a net increase of \$738.0 million. Eighty-five projects increased in cost by a total of \$767.2 million, while there were no projects that experienced a reduction in scope. The scope of five projects changed, which caused a net increase totalling \$101.5 million. There are many reasons for these changes, including legislated changes in program participation rates, more refined cost estimates, changes in design and environmental requirements. The specific reasons for significant changes to individual projects are noted on their respective Project Information Forms (PIF's).