

## **MAJOR PROJECT SIGNIFICANT CHANGES TO THE FY 2017-2022 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, \$836.2 million worth of projects have been added to the CTP. Of that amount twenty-four projects at a cost of \$764.9 million were added to the Construction Program. Two projects at a cost of \$71.3 million were added to the Development and Evaluation Program (D&E). In addition, one project was moved from the D&E Program to the Construction Program at a cost of \$27.2 million. Two projects were moved from the Construction Program to the D&E Program at a cost of \$16.7 million. These projects are listed below by category.

### **PROJECTS ADDED TO THE CONSTRUCTION PROGRAM**

<b><u>PROJECT DESCRIPTION</u></b>	<b><u>TOTAL COST (\$ MILLIONS)</u></b>
<b>Maryland Aviation Administration</b>	
Shuttle Bus Service Fleet Replacement at BWI Marshall Airport	35.9
Midfield Cargo Area Improvements at BWI Marshall Airport	25.9
Concourse B Apron Pavement Reconstruction at BWI Marshall Airport	10.4
Airfield Lighting Vault Relocation at BWI Marshall Airport	35.7
Concourse D HVAC Replacement at BWI Marshall Airport	17.0
FIS Hall Reconfiguration at BWI Marshall Airport	10.0
Restroom Improvement Program at BWI Marshall Airport	54.0
<b>Maryland Transit Administration</b>	
MARC Camden Station Improvements	7.2
Howard Street Rail and Interlocking Replacement	42.0
Metro Interlocking Renewals	58.2
Transit Innovation Grant	2.0
<b>State Highway Administration</b>	
I-695, Baltimore Beltway- Traffic Relief Plan ( Phase 3); I-695, I-70 to MD 43, (Baltimore)	251.0

**PROJECTS ADDED TO THE CONSTRUCTION PROGRAM (Cont'd)**

<b><u>PROJECT DESCRIPTION</u></b>	<b><u>TOTAL COST (\$ MILLIONS)</u></b>
<b>State Highway Administration</b>	
I-695, Cromwell Bridge Road; I-695 (Baltimore)	13.4
MD 254, Bridge 0803800 over Neale Sound; MD 254 (Charles)	15.9
MD 478, Knoxville Road; MD 478, Replace Bridge 10089 over a branch of the Potomac River (Frederick)	6.5
Traffic Relief Plan (Phase 2) Smart Traffic Signals; 14 Corridors (State Wide)	50.3
<b>Maryland Transportation Authority</b>	
I-95 John F. Kennedy Memorial Highway - Replace Deck of Bridge over Little Northeast Creek	12.4
I-95 John F. Kennedy Memorial Highway - Rehabilitate Decks on Three Bridges on I-95 in Cecil County	20.1
I-95 Fort McHenry Tunnel - Rehabilitate Substructure and Superstructure of Various Bridges on I-95 in Baltimore City	12.7
MD 695 Francis Scott Key Bridge - Clean and Paint Structural Steel of Approach Spans and Miscellaneous Repairs	14.3
MD 695 Francis Scott Key Bridge - Facility-Wide Asphalt Resurfacing	21.2
MD 695 Francis Scott Key Bridge - Structural, Mechanical, and Electrical Rehabilitation of the Curtis Creek Bridges	24.4
I-895 Harbor Tunnel Thruway - Replace 15KV Feeder Cables	10.2
US 50/301 Bay Bridge - Replace 5KV Feeder Cable on Eastbound Span	14.2
	764.9
<b>Total</b>	<b>764.9</b>

**PROJECTS ADDED TO THE D&E PROGRAM**

<b><u>PROJECT DESCRIPTION</u></b>	<b><u>PHASE</u></b>	<b><u>TOTAL COST (\$ MILLIONS)</u></b>
<b>State Highway Administration</b>		
I-270, Eisenhower Memorial Highway, and I-495, Capital Beltway; Traffic Relief Plan (Phase 1) (State Wide)	Planning	71.0
<b>Maryland Transportation Authority</b>		
I-95 John F. Kennedy Memorial Highway - I-95/Belvidere Road Interchange Study	Planning	0.3
		<hr/> <b>Total</b> <b>71.3</b>

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

**PROJECT DESCRIPTION**

**ADDITIONAL COST**  
**(\$ MILLIONS)**

**Maryland Transit Administration**

MARC Growth and Investment Program

27.2

**Total**

27.2

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

<b><u>PROJECT DESCRIPTION</u></b>	<b><u>JUSTIFICATION</u></b>	<b><u>TOTAL COST (\$ MILLIONS)</u></b>
<b>State Highway Administration</b> I-95/I-495, Capital Beltway; I-95/I-495, Access to Greenbelt Metro Station (Prince George's)	The Greenbelt Metro location was not selected by the FBI, as result, the Construction and Right-of-Way funds will be transferred to the Baltimore Beltway TRP (Phase 3) project.	13.5
<b>Maryland Transportation Authority</b> I-95 Fort McHenry Tunnel - Rehabilitate Vent Fans	Construction is deferred until redesign is complete.	3.2
		<hr style="width: 10%; margin-left: auto; margin-right: 0;"/>
		<b>Total                    16.7</b>

**PROJECTS REMOVED FROM THE D&E PROGRAM**

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

<b><u>PROJECT DESCRIPTION</u></b>	<b><u>PHASE</u></b>	<b><u>JUSTIFICATION</u></b>
<b>State Highway Administration</b>		
I-70 and I-695, Baltimore Beltway; I-70 / I-695 Triple Bridges (Baltimore)	Planning	Project removed and replaced by new I-695 Baltimore Beltway Project.
I-695, Baltimore Beltway; I-695, Operational Studies (Baltimore)	Planning and Engineering	Project removed and replaced by new I-695 Baltimore Beltway Project.
I-695, Baltimore Beltway; I-695, I-83 to I-95 (Baltimore)	Planning and Engineering	Project removed and replaced by new I-695 Baltimore Beltway Project.
I-695, Baltimore Beltway; I-695, I-95 to MD 122 (Baltimore)	Planning and Engineering	Project removed and replaced by new I-695 Baltimore Beltway Project.

**PROJECTS REMOVED FROM THE CONSTRUCTION PROGRAM**

The following projects have been removed from the Construction Program:

<b><u>PROJECT DESCRIPTION</u></b>	<b><u>PHASE</u></b>	<b><u>JUSTIFICATION</u></b>
<b>Maryland Port Administration</b> Terminal Security Program	Construction	Majority of projects completed.
<b>Maryland Transit Administration</b> Union Payroll System	PE, CO	Project moved to TSO IT.
Montgomery County Bus Rapid Transit	PP, PE, CO	Project transferred to Montgomery County.
<b>Maryland Transportation Authority</b> I-895 Harbor Tunnel Thruway - Rehabilitate Tunnel Standpipe and Sump Pump Systems	Engineering and Construction	This project was combined with the Canton Viaduct Replacement Project (Line 21).

## **CONSTRUCTION SCHEDULE DELAYS**

The start of construction has been postponed from the schedule shown in the FY 2017-2022 CTP, for the following ten major projects:

<u><b>PROJECT DESCRIPTION</b></u>	<u><b>JUSTIFICATION</b></u>	<u><b>FISCAL YEAR</b></u>
<b>State Highway Administration</b>		
MD 36, Mount Savage Road;MD 36, Bridge over Jennings Run (Allegany)	Construction delay due to changes in the scope of work related to: retaining wall, pedestrian bridge, and project inspections.	FY 2018 to FY 2019
US 40, Pulaski Highway;US 40, Bridges over Little and Big Gunpowder Falls (Baltimore)	Construction is delayed due to the acquisition of necessary environmental permits.	FY 2018 to FY 2019
I-83, Harrisburg Expressway;I-83, Bridge over Padonia Road (Baltimore)	Delay due to an adjusted advertisement date.	FY 2018 to FY 2019
MD 85, Buckeystown Pike;MD 85, English Muffin Way to Grove Road (Frederick)	Construction delay due to utility relocations.	FY 2017 to FY 2018
MD 355, Urbana Pike;MD 355, Replace Bridge 10086 over Bennett Creek (Frederick)	Construction delayed from FY18 to FY19 due to readvertising the project.	FY 2018 to FY 2019
MD 97, Georgia Avenue;MD 97, South of Brookeville to north of Brookeville Bypass (Montgomery)	Construction delay due to a change in project delivery method from CMAR to traditional design-bid-build.	FY 2017 to FY 2019
MD 355, Rockville Pike;MD 355, Woodmont Avenue/Glenbrook Parkway to South Wood Drive/South Drive (Montgomery)	Construction delayed from FY17 to FY18 due to utility relocations.	FY 2017 to FY 2018
MD 355, Frederick Road;MD 355, Bridge over Little Bennett Creek (Montgomery)	Delay due to necessary acquisition of environmental permits.	FY 2018 to FY 2019
MD 381, Brandywine Road;MD 381, Bridge over Timothy Branch (Prince George's)	Construction delay due to a need to accommodate a detour for Cedarville Road over Mattawoman Creek bridge replacement project.	FY 2017 to FY 2018
I-95/I-495, Capital Beltway;I-95/I-495, Bridges over Suitland Parkway (Prince George's)	Construction delay due to necessary design work.	FY 2018 to FY 2019



## **COST & SCOPE CHANGES**

In total, one-hundred and ninety-five major construction projects experienced significant changes in project cost or scope, for a net increase of \$627.0 million. One-hundred And Thirty-two projects increased in cost by a total of \$1.02 billion, while fifty-five projects experienced decreases totaling \$476.3 million. The scope of six projects changed, which caused a net increase totalling \$80.4 million, while one project experienced a reduction in scope totalling \$1.1 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).