

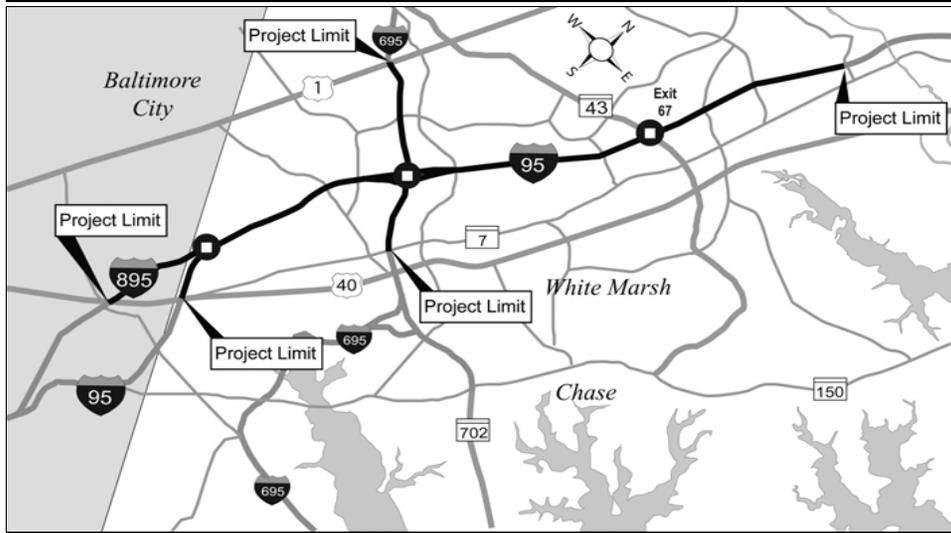
Maryland
Transportation
Authority



MARYLAND TRANSPORTATION AUTHORITY

**MARYLAND TRANSPORTATION AUTHORITY
CAPITAL PROGRAM SUMMARY
(\$ MILLIONS)**

	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>SIX-YEAR TOTAL</u>
<u>Construction Program</u>							
Major Projects	330.4	272.0	150.0	97.0	78.4	22.9	950.7
System Preservation Minor Projects	85.0	130.8	281.6	247.3	258.6	246.9	1,250.2
<u>Development & Evaluation Program</u>	<u>2.2</u>	<u>9.1</u>	<u>18.0</u>	<u>16.3</u>	<u>16.5</u>	<u>6.5</u>	<u>68.6</u>
TOTAL	417.7	411.9	449.6	360.5	353.5	276.3	2,269.5



PROJECT: I-95 John F. Kennedy Memorial Highway - Express Toll Lanes (ETL)

DESCRIPTION: Construct two Express Toll Lanes in each direction from I-895 North to north of MD 43 (8.0 miles) and improve the interchanges with I-895, I-695 and MD 43. (BRAC related.)

PURPOSE & NEED SUMMARY STATEMENT: This segment of I-95 is the most congested section of I-95 in Maryland north of Baltimore City. Currently, I-95, south of MD 43, operates at Level of Service (LOS) F (lowest level of efficiency) during morning and evening rush hours. By 2025, this section is also expected to operate at LOS E (irregular flow with speed variations) and LOS F (lowest level of efficiency, frequent slowing required) during weekend peak periods. I-95 is the backbone of the east coast's transportation network and is essential to the movement of people and freight.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- Safety & Security
- System Preservation
- Quality of Service
- Environmental Stewardship
- Community Vitality
- Economic Prosperity

ASSOCIATED IMPROVEMENTS:

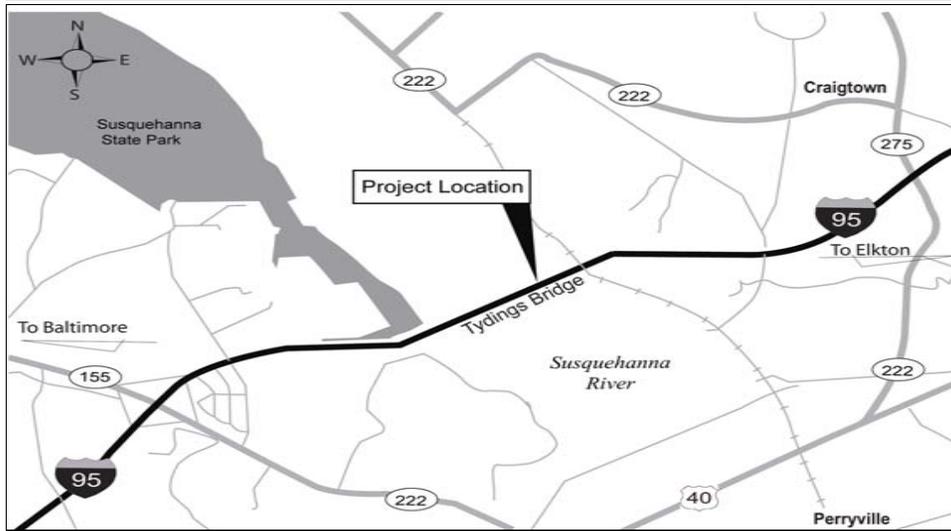
I-95 John F. Kennedy Memorial Highway - Resurfacing - Construction Program (Line 3)

EXPLANATION: I-95, south of MD 43, experiences congestion during the morning and evening rush hours. By 2025, this section is also expected to experience congestion during weekend peak periods.

STATUS: Engineering, right-of-way acquisition and construction are underway.

POTENTIAL FUNDING SOURCE:		<input type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input checked="" type="checkbox"/> OTHER								
PHASE	TOTAL				PROJECTED CASH REQUIREMENTS				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2013	CURRENT YEAR 2014	BUDGET YEAR 2015	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY		
Planning	6,032	6,032	0	0	0	0	0	0	0	0
Engineering	120,170	116,131	1,805	1,151	1,083	0	0	0	4,039	0
Right-of-way	47,507	45,473	2,034	0	0	0	0	0	2,034	0
Construction	919,509	692,840	97,756	89,384	36,598	2,931	0	0	226,669	0
Total	1,093,218	860,476	101,595	90,535	37,681	2,931	0	0	232,742	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP: Cost increased by \$15.4 million due to unexpected poor soil condition encountered during construction on contract KH-1403 (I-95/ MD 43 to New Forge) and scope changes in KH-1303 (I-695 Unbraiding) including additional noise barriers, expanded landscaping and revised lighting.



PROJECT: I-95 John F. Kennedy Memorial Highway - Underwater Repairs at Tydings Bridge

DESCRIPTION: Rehabilitate pier foundations and provide pier scour protection.

PURPOSE & NEED SUMMARY STATEMENT: Pier foundations in the river exhibit wear and analysis shows scour protection is needed. This improvement will extend the useful life of the pier foundations.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- Safety & Security
- System Preservation
- Quality of Service
- Environmental Stewardship
- Community Vitality
- Economic Prosperity

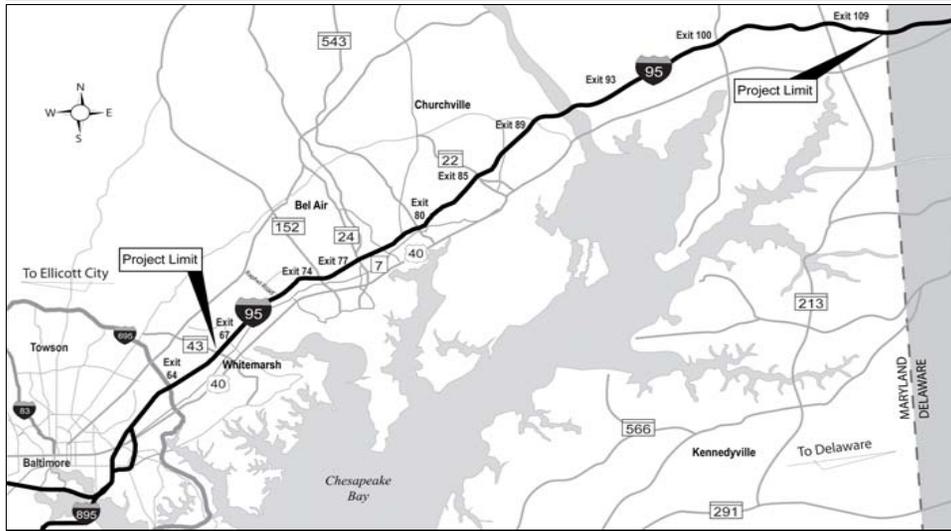
ASSOCIATED IMPROVEMENTS: None.

EXPLANATION: Pier foundations were found to have advanced wear and require scour protection.

STATUS: Engineering is complete. Construction is underway.

SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP: None.

POTENTIAL FUNDING SOURCE:		<input type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input checked="" type="checkbox"/> OTHER								
PHASE	TOTAL				PROJECTED CASH REQUIREMENTS				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2013	CURRENT YEAR 2014	BUDGET YEAR 2015	FOR PLANNING PURPOSES ONLY					
					.....2016....	.....2017....	.....2018....	.....2019....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	1,484	1,442	42	0	0	0	0	0	42	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	42,694	30,067	12,627	0	0	0	0	0	12,627	0
Total	44,178	31,509	12,669	0	0	0	0	0	12,669	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0



PROJECT: I-95 John F. Kennedy Memorial Highway - Resurfacing

DESCRIPTION: Resurface I-95 northbound and southbound from MD 43 to the Maryland/Delaware state line. Phase I is from MD 43 to MD 24. Phase II is from MD 24 to the Tydings Bridge. Phase III is from the Tydings Bridge to the Maryland/Delaware state line.

PURPOSE & NEED SUMMARY STATEMENT: The I-95 roadway north of MD 43 is in need of resurfacing. Phase I is I-95 from MD 43 to MD 24, Phase II is MD 24 to the Tydings Bridge and Phase III will be from the Tydings Bridge to the Maryland/Delaware state line. Only Phases I and II are funded at this time.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- Safety & Security
- System Preservation
- Quality of Service
- Environmental Stewardship
- Community Vitality
- Economic Prosperity

ASSOCIATED IMPROVEMENTS:

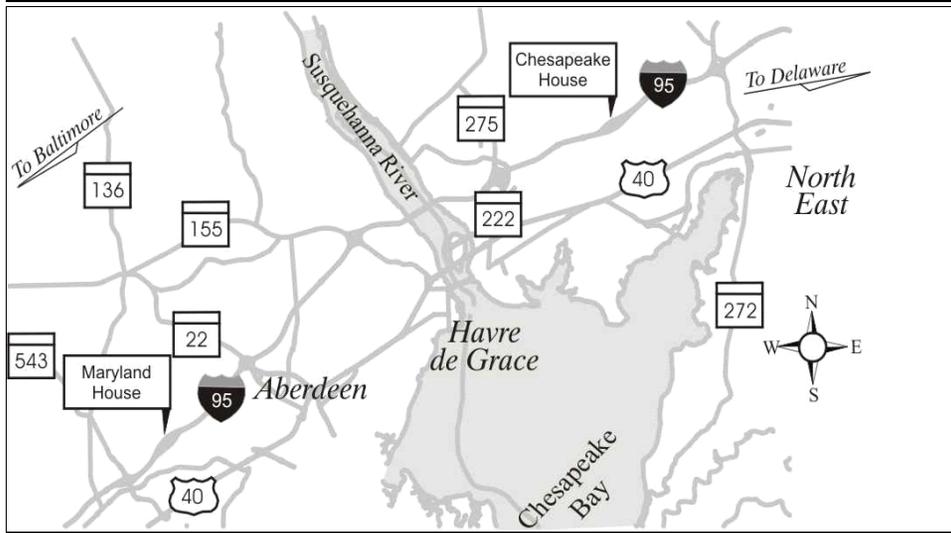
I-95 Express Toll Lanes - Construction Program (Line 1)

EXPLANATION: The I-95 roadway is in need of resurfacing from MD 43 to the Maryland/Delaware state line (northbound and southbound). Phase I is I-95 from MD 43 to MD 24, Phase II is MD 24 to the Tydings Bridge and Phase III will be from the Tydings Bridge to the Maryland/Delaware state line.

STATUS: Engineering is complete and construction is underway for Phase I. Engineering is underway and construction is to begin in FY 2015 for Phase II.

SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP: Cost increased by \$23.8 million with the addition of Phase II resurfacing from MD 24 to the Tydings Bridge.

POTENTIAL FUNDING SOURCE:		<input type="checkbox"/> SPECIAL		<input type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input checked="" type="checkbox"/> OTHER			
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2013	CURRENT YEAR 2014	BUDGET YEAR 2015	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
					.....2016.....	.....2017.....	.....2018.....	.....2019.....		
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	524	292	232	0	0	0	0	0	232	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	36,704	2,762	10,442	13,206	10,294	0	0	0	33,942	0	
Total	37,228	3,054	10,674	13,206	10,294	0	0	0	34,174	0	
Federal-Aid	0	0	0	0	0	0	0	0	0	0	



PROJECT: I-95 John F. Kennedy Memorial Highway - Redevelop Travel Plazas

DESCRIPTION: Redevelop the Maryland House and Chesapeake House Travel Plazas. The public-private partnership includes designing, building, operating, maintaining and financing the redevelopment of the two I-95 travel plazas.

PURPOSE & NEED SUMMARY STATEMENT: The Maryland House and Chesapeake House Travel Plazas have aged to the point in which redesign and/or reconstruction is necessary to adequately meet public demand over the next 30 years.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- | | |
|---|---|
| <input type="checkbox"/> Safety & Security | <input type="checkbox"/> Environmental Stewardship |
| <input checked="" type="checkbox"/> System Preservation | <input type="checkbox"/> Community Vitality |
| <input checked="" type="checkbox"/> Quality of Service | <input checked="" type="checkbox"/> Economic Prosperity |

ASSOCIATED IMPROVEMENTS:

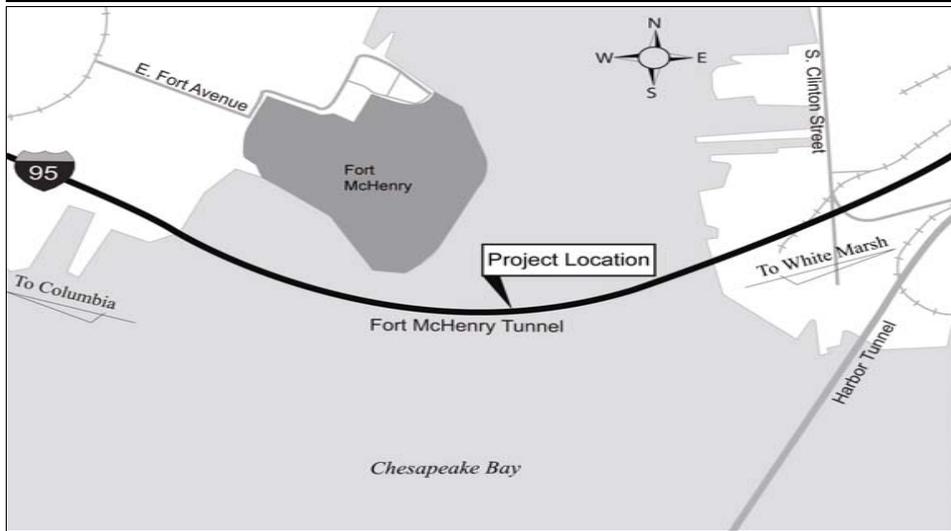
None.

EXPLANATION: The structures were built in the 1960's and 70's and are nearing the end of their design life. Age and condition require major rehabilitation or replacement.

STATUS: Construction is underway.

POTENTIAL FUNDING SOURCE:		<input type="checkbox"/> SPECIAL		<input type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input checked="" type="checkbox"/> OTHER			
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2013			2014	20152016.....2017.....		2018.....	.....2019.....
Planning	2,027	2,027	0	0	0	0	0	0	0	0	0
Engineering	2,317	2,317	0	0	0	0	0	0	0	0	0
Right-of-way	250	0	250	0	0	0	0	0	0	250	0
Construction	3,180	860	1,500	820	0	0	0	0	0	2,320	0
Total	7,774	5,204	1,750	820	0	0	0	0	0	2,570	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP: Cost increased by \$1.5 million to provide reimbursement of prevailing wages.



PROJECT: I-95 Fort McHenry Tunnel - Rehabilitate Concrete Tunnel Deck

DESCRIPTION: Rehabilitate the tunnel deck for all four bores.

PURPOSE & NEED SUMMARY STATEMENT: The bottom of the tunnel deck is showing signs of wear throughout the length of the tunnel. This improvement will significantly increase the useful life of the tunnel deck.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- Safety & Security
- System Preservation
- Quality of Service
- Environmental Stewardship
- Community Vitality
- Economic Prosperity

ASSOCIATED IMPROVEMENTS:

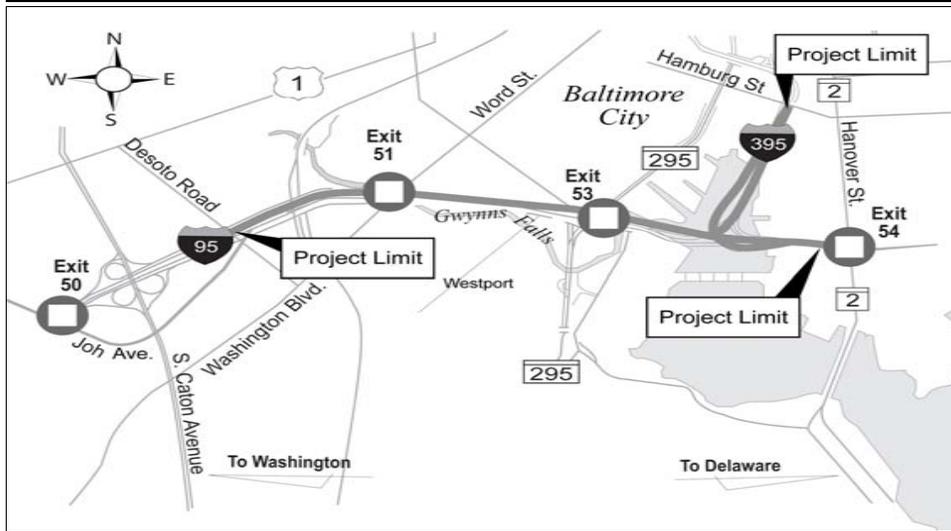
I-95/I-395 Fort McHenry Tunnel - Rehabilitate Decks, Repair Superstructure, Replace Joints, Zone Paint and Other Miscellaneous Repairs South of the Tunnel - Construction Program (Line 6)

EXPLANATION: The tunnel deck shows signs of wear. This improvement will extend the useful life of the tunnel deck and add safety improvements.

STATUS: Engineering and construction are underway.

POTENTIAL FUNDING SOURCE:		<input type="checkbox"/> SPECIAL		<input type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input checked="" type="checkbox"/> OTHER			
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2013			2014	20152016.....2017.....		2018.....	.....2019.....
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	812	588	224	0	0	0	0	0	224	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	36,636	14,288	18	10,724	11,142	464	0	0	22,348	0	
Total	37,448	14,876	242	10,724	11,142	464	0	0	22,572	0	
Federal-Aid	0	0	0	0	0	0	0	0	0	0	

SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP: Cost increased by \$12.2 million due to additional areas needing concrete repair and the addition of safety improvements to the tunnel ceiling hanger system.



PROJECT: I-95/I-395 Fort McHenry Tunnel - Rehab Decks, Repair Superstructure, Replace Joints, Zone Paint and Other Misc. Repairs South of Tunnel

DESCRIPTION: Rehabilitate decks, repair superstructure, replace joints, add drainage troughs and paint fifty-one bridges south of the Fort McHenry Tunnel.

PURPOSE & NEED SUMMARY STATEMENT: The decks exhibit varying degrees of deterioration. Superstructure and paint exhibit various degrees of wear. This improvement will correct current wear and extend the useful life of the decks and superstructure. The joints are near the end of their useful life and need to be replaced.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- | | |
|---|--|
| <input type="checkbox"/> Safety & Security | <input type="checkbox"/> Environmental Stewardship |
| <input checked="" type="checkbox"/> System Preservation | <input type="checkbox"/> Community Vitality |
| <input type="checkbox"/> Quality of Service | <input type="checkbox"/> Economic Prosperity |

ASSOCIATED IMPROVEMENTS:

I-95 Ft. McHenry Tunnel - Rehabilitate Concrete Tunnel Deck - Construction Program (Line 5)

EXPLANATION: Repairs are needed to correct current wear and to prevent further wear of the decks, superstructure and paint. The joints are nearing the end of their useful life and need to be replaced.

STATUS: Engineering and construction are underway.

PHASE	TOTAL		CURRENT YEAR				PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2013	YEAR 2014	BUDGET YEAR 2015	.....2016....	.....2017....	.....2018....	.....2019....			
Planning	0	0	0	0	0	0	0	0	0	0	0	
Engineering	3,833	2,901	932	0	0	0	0	0	0	932	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	0	
Construction	84,743	5,164	13,728	35,326	30,525	0	0	0	0	79,579	0	
Total	88,576	8,065	14,660	35,326	30,525	0	0	0	0	80,511	0	
Federal-Aid	0	0	0	0	0	0	0	0	0	0	0	

2205, 2207, 2262

SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP: Cost increased by \$34.7 million due to addition of deck rehabilitation on I-95.



PROJECT: I-95 Fort McHenry Tunnel - Replace Weathering Steel High Mast Light Poles North and South of the Tunnel

DESCRIPTION: Replace all weathering steel high mast light poles with galvanized steel poles on I-95 in Baltimore City, north and south of the Fort McHenry Tunnel. Also, replace foundations and associated conduits/controls. Most of these weathering steel poles represent the original lighting structures when the facility was first built.

PURPOSE & NEED SUMMARY STATEMENT: The weathering steel high mast light poles were part of the original construction in 1985 and are nearing the end of their useful life. They will be replaced with galvanized steel poles that have a longer life expectancy.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- Safety & Security
- System Preservation
- Quality of Service
- Environmental Stewardship
- Community Vitality
- Economic Prosperity

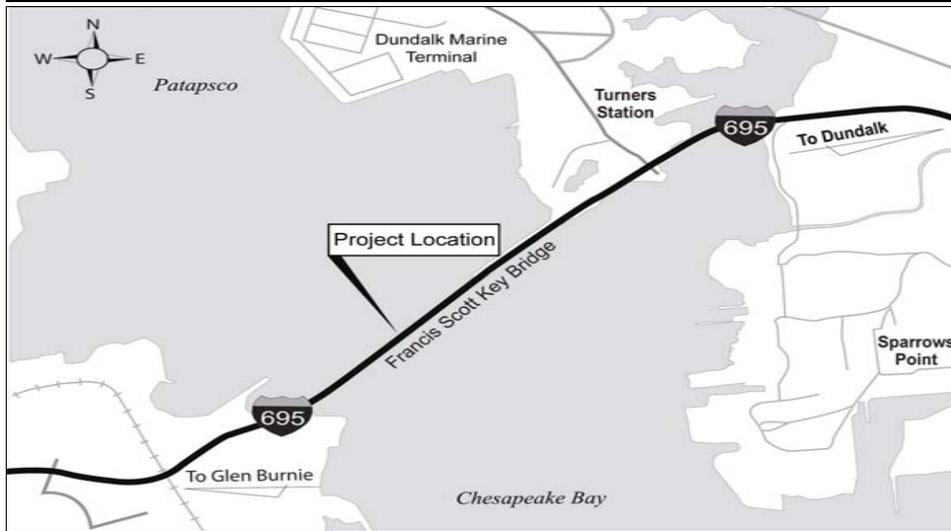
ASSOCIATED IMPROVEMENTS: None.

EXPLANATION: The weathering steel high mast light poles were part of the original construction in 1985 and are nearing the end of their useful life. They will be replaced with galvanized steel poles that have a longer life expectancy.

STATUS: Engineering is underway. Construction is to begin in FY 2015.

SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP: Added to the Construction Program.

POTENTIAL FUNDING SOURCE:		<input type="checkbox"/> SPECIAL		<input type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input checked="" type="checkbox"/> OTHER			
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2013			YEAR 2014	YEAR 20152016....2017....		2018....	....2019....
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	1,027	842	185	0	0	0	0	0	185	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	19,665	0	0	9,832	9,833	0	0	0	19,665	0	
Total	20,692	842	185	9,832	9,833	0	0	0	19,850	0	
Federal-Aid	0	0	0	0	0	0	0	0	0	0	



PROJECT: MD 695 Francis Scott Key Bridge - Clean and Paint Approach Spans to Francis Scott Key Bridge and Miscellaneous Repairs

DESCRIPTION: Cleaned, painted and repaired the approach spans.

PURPOSE & NEED SUMMARY STATEMENT: The approach spans exhibited various degrees of wear. This improvement addressed existing deterioration and prevents further deterioration.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- | | |
|---|--|
| <input type="checkbox"/> Safety & Security | <input type="checkbox"/> Environmental Stewardship |
| <input checked="" type="checkbox"/> System Preservation | <input type="checkbox"/> Community Vitality |
| <input type="checkbox"/> Quality of Service | <input type="checkbox"/> Economic Prosperity |

EXPLANATION: The approach spans exhibited various degrees of wear. This improvement addressed existing deterioration and prevents further deterioration.

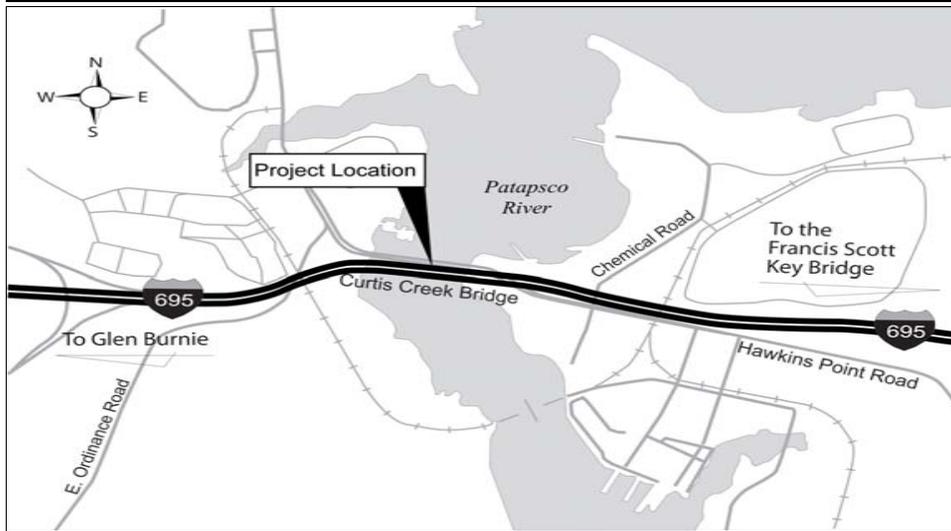
ASSOCIATED IMPROVEMENTS:

- MD 695 Francis Scott Key Bridge - Clean and Paint Approach Spans on Bridges over Curtis Creek - Construction Program (Line 9)
- MD 695 Francis Scott Key Bridge - Convert to All Electronic Tolling - Development and Evaluation Program (Line 27)

STATUS: Open to service.

PHASE	TOTAL ESTIMATED EXPEND				BUDGET				PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	COST	THRU	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR		
	(\$000)	2013	2014	2015	.....2016....	.....2017....	.....2018....	.....2019....	.....2016....	.....2017....	.....2018....	.....2019....		
Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Engineering	410	410	0	0	0	0	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Construction	6,663	6,663	0	0	0	0	0	0	0	0	0	0	0	0
Total	7,073	7,073	0	0	0	0	0	0	0	0	0	0	0	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP: None.



PROJECT: MD 695 Francis Scott Key Bridge - Clean and Paint Approach Spans on Bridges over Curtis Creek

DESCRIPTION: Clean and paint the structural steel at the approach spans of the inner loop and outer loop bridges on MD 695 over Curtis Creek.

PURPOSE & NEED SUMMARY STATEMENT: Paint throughout the spans is deteriorating. These bridges have never been repainted since they were originally built, over 30 years ago. This improvement will address existing deterioration and prevent further deterioration.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- Safety & Security
- System Preservation
- Quality of Service
- Environmental Stewardship
- Community Vitality
- Economic Prosperity

EXPLANATION: Paint throughout the spans is deteriorating. This improvement will address existing deterioration and prevent further deterioration.

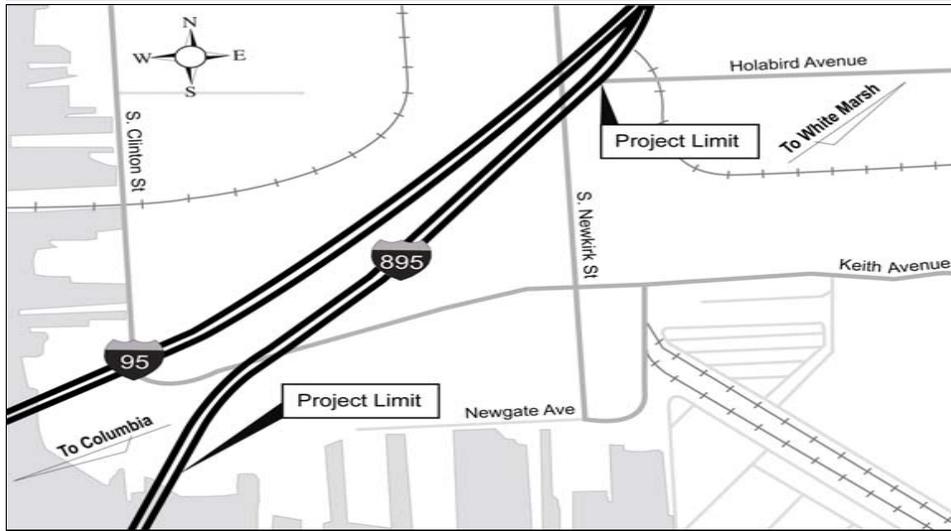
ASSOCIATED IMPROVEMENTS:

- MD 695 Francis Scott Key Bridge - Clean and Paint Approach Spans to Francis Scott Key Bridge and Miscellaneous Repairs - Construction Program (Line 8)
- MD 695 Francis Scott Key Bridge - Convert to All Electronic Tolling - Development and Evaluation Program (Line 27)

STATUS: Engineering is underway. Construction is to begin in FY 2014.

PHASE	TOTAL ESTIMATED EXPEND				CURRENT BUDGET				PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	COST (\$000)	THRU 2013	YEAR 2014	YEAR 2015	YEAR 2015	.....2016....	.....2017....	.....2018....	.....2019....				
Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	
Engineering	100	8	92	0	0	0	0	0	0	0	92	0	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	0	0	0	
Construction	5,511	0	500	3,511	1,500	0	0	0	0	5,511	0	0	0	
Total	5,611	8	592	3,511	1,500	0	0	0	0	5,603	0	0	0	
Federal-Aid	0	0	0	0	0	0	0	0	0	0	0	0	0	

SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP: Added to the Construction Program.



PROJECT: I-895 Baltimore Harbor Tunnel Thruway - Replace Canton Viaduct

DESCRIPTION: Replace the Canton Viaduct which is the elevated portion of the roadway from the north portal entrance to Holabird Avenue.

PURPOSE & NEED SUMMARY STATEMENT: The bridge deck on this structure has not been renovated since 1985. Testing has indicated that portions of the viaduct are nearing the end of their life cycle. The bridge deck, substructure and superstructure are experiencing various degrees of wear. The Canton Viaduct is one of the MDTA's Structurally Deficient bridges.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Safety & Security | <input type="checkbox"/> Environmental Stewardship |
| <input checked="" type="checkbox"/> System Preservation | <input type="checkbox"/> Community Vitality |
| <input type="checkbox"/> Quality of Service | <input type="checkbox"/> Economic Prosperity |

EXPLANATION: The bridge deck, substructure and superstructure are experiencing various degrees of wear. The Canton Viaduct is one of the MDTA's Structurally Deficient bridges.

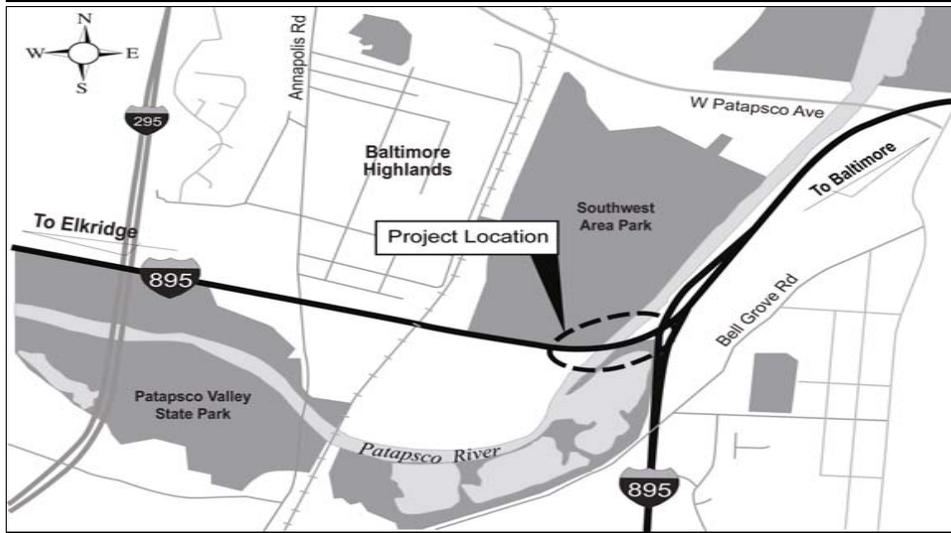
ASSOCIATED IMPROVEMENTS:

- I-895 Baltimore Harbor Tunnel Thruway - Rehabilitate Patapsco Flats Bridge Substructure - Construction Program (Line 11)
- I-895 Baltimore Harbor Tunnel Thruway - Replace Various Bridge Decks - Construction Program (Line 12)

STATUS: Engineering is underway. Right-of-way acquisition is to begin in FY 2015. Construction is to begin in FY 2016.

SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP: Cost increased by \$3.4 million for additional engineering.

POTENTIAL FUNDING SOURCE:		<input type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input checked="" type="checkbox"/> OTHER								
PHASE	TOTAL				PROJECTED CASH REQUIREMENTS				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2013	CURRENT YEAR 2014	BUDGET YEAR 2015	FOR PLANNING PURPOSES ONLY					
					.....2016....	.....2017....	.....2018....	.....2019....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	8,735	7,028	807	315	108	250	195	32	1,707	0
Right-of-way	10,920	190	0	5,270	5,460	0	0	0	10,730	0
Construction	162,497	159	0	0	19,900	72,000	60,000	10,438	162,338	0
Total	182,152	7,377	807	5,585	25,468	72,250	60,195	10,470	174,775	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0



PROJECT: I-895 Baltimore Harbor Tunnel Thruway - Rehabilitate Patapsco Flats Bridge Substructure

DESCRIPTION: Repaired worn concrete of the pier bearing pedestals, caps and columns.

PURPOSE & NEED SUMMARY STATEMENT: Pier bearing pedestals, caps and columns exhibited various degrees of wear. This improvement addressed existing wear and prevents further wear.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- | | |
|---|--|
| <input type="checkbox"/> Safety & Security | <input type="checkbox"/> Environmental Stewardship |
| <input checked="" type="checkbox"/> System Preservation | <input type="checkbox"/> Community Vitality |
| <input type="checkbox"/> Quality of Service | <input type="checkbox"/> Economic Prosperity |

ASSOCIATED IMPROVEMENTS:

I-895 Baltimore Harbor Tunnel Thruway - Replace Canton Viaduct - Construction Program (Line 10)
 I-895 Baltimore Harbor Tunnel Thruway - Replace Various Bridge Decks - Construction Program (Line 12)

EXPLANATION: Pier bearing pedestals, caps and columns exhibited various degrees of wear. This improvement addressed existing wear and prevents further wear.

STATUS: Open to service.

POTENTIAL FUNDING SOURCE:		<input type="checkbox"/> SPECIAL	<input type="checkbox"/> FEDERAL	<input type="checkbox"/> GENERAL	<input type="checkbox"/> OTHER	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2013	CURRENT YEAR 2014	BUDGET YEAR 2015	.....2016....	.....2017....	.....2018....	.....2019....			
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	665	665	0	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Construction	2,482	2,482	0	0	0	0	0	0	0	0	0
Total	3,147	3,147	0	0	0	0	0	0	0	0	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP: None.



PROJECT: I-895 Baltimore Harbor Tunnel Thruway - Replace Various Bridge Decks

DESCRIPTION: Replace the bridge decks on the South Hanover Street, Potee Street and West Patapsco Avenue bridges and repair identified structural defects.

PURPOSE & NEED SUMMARY STATEMENT: These bridge decks are reaching the end of their useful life and need to be replaced.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- Safety & Security
- System Preservation
- Quality of Service
- Environmental Stewardship
- Community Vitality
- Economic Prosperity

EXPLANATION: These bridge decks are reaching the end of their useful life and need to be replaced.

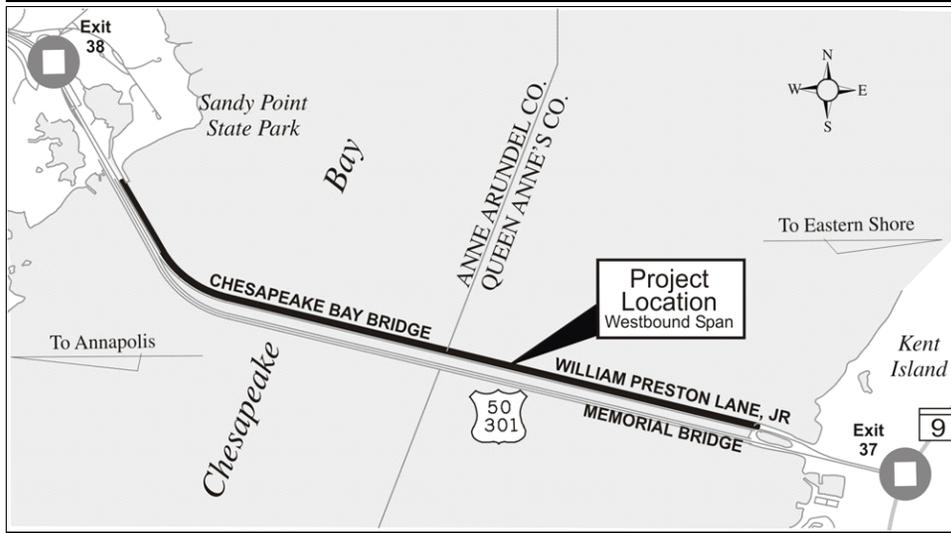
ASSOCIATED IMPROVEMENTS:

- I-895 Baltimore Harbor Tunnel Thruway - Replace Canton Viaduct - Construction Program (Line 10)
- I-895 Baltimore Harbor Tunnel Thruway - Rehabilitate Patapsco Flats Bridge Substructure - Construction Program (Line 11)

STATUS: Engineering is complete. Construction is underway.

POTENTIAL FUNDING SOURCE:										
<input type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input checked="" type="checkbox"/> OTHER										
PHASE	TOTAL				PROJECTED CASH REQUIREMENTS				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2013	CURRENT YEAR 2014	BUDGET YEAR 2015	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY		
					.....2016....	.....2017....	.....2018....	.....2019....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	1,181	1,177	4	0	0	0	0	0	4	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	11,827	4,764	6,451	612	0	0	0	0	7,063	0
Total	13,008	5,941	6,455	612	0	0	0	0	7,067	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP: None.



PROJECT: US 50/301 Bay Bridge - Clean and Paint Structural Steel Westbound Bridge

DESCRIPTION: Partial painting of all structural steel surfaces on the westbound bridge of approximately 3 million square feet including girder spans, deck trusses, overhead truss members and suspension spans. Construction funding only included for Phases I (painting west girder spans), II (cleaning and painting the suspension towers, spot painting the remainder of the suspension span and zone painting the deck truss spans) and III (cleaning and painting the deck truss spans and steel rail posts and rehabilitating the steel barrier). Phase IV (cleaning and painting the east girder and through truss spans) construction funding will be addressed as engineering progresses.

PURPOSE & NEED SUMMARY STATEMENT: The bridge has not been fully painted since it opened in 1973. Limited spot painting has been done as needed. The paint is showing signs of wear. This improvement will protect the steel components of the bridge and extend the useful life.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- | | |
|---|--|
| <input type="checkbox"/> Safety & Security | <input type="checkbox"/> Environmental Stewardship |
| <input checked="" type="checkbox"/> System Preservation | <input type="checkbox"/> Community Vitality |
| <input type="checkbox"/> Quality of Service | <input type="checkbox"/> Economic Prosperity |

EXPLANATION: The paint is showing signs of wear. This improvement will address existing wear and extend the useful life of the steel components of the bridge.

ASSOCIATED IMPROVEMENTS:

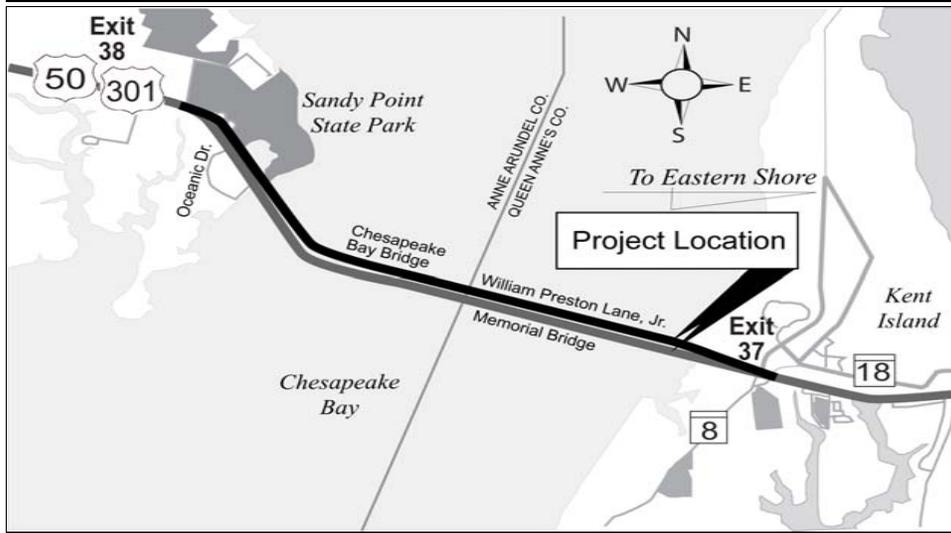
- US 50/301 Bay Bridge - Cable Rewrapping & Dehumidification - Construction Program (Line 14)
- US 50/301 Bay Bridge - Repair Substructure Westbound Bridge - Construction Program (Line 15)
- US 50/301 Bay Bridge - Rehabilitate Eastbound Bridge Deck - Development and Evaluation Program (Line 26)

STATUS: Engineering underway. Construction complete for Phase I. Construction underway for Phases II and III.

SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP: Cost decreased by \$8.7 million based on close out of Phase I and actual bid price for Phase III.

POTENTIAL FUNDING SOURCE:		<input type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input checked="" type="checkbox"/> OTHER								
PHASE	TOTAL				PROJECTED CASH REQUIREMENTS				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2013	CURRENT YEAR 2014	BUDGET YEAR 2015	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	648	468	105	75	0	0	0	0	180	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	75,376	33,012	16,233	24,939	1,192	0	0	0	42,364	0
Total	76,024	33,480	16,338	25,014	1,192	0	0	0	42,544	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

0632, 2224, 2259, 2260



PROJECT: US 50/301 Bay Bridge - Cable Rewrapping and Dehumidification

DESCRIPTION: Rewrap and dehumidify the main cables and anchorages on both spans.

PURPOSE & NEED SUMMARY STATEMENT: The existing suspension cable wrapping is reaching the end of its useful life. This improvement will prevent cable corrosion.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Safety & Security | <input type="checkbox"/> Environmental Stewardship |
| <input checked="" type="checkbox"/> System Preservation | <input type="checkbox"/> Community Vitality |
| <input type="checkbox"/> Quality of Service | <input type="checkbox"/> Economic Prosperity |

EXPLANATION: Cable wrapping is nearing the end of its useful life and needs to be replaced.

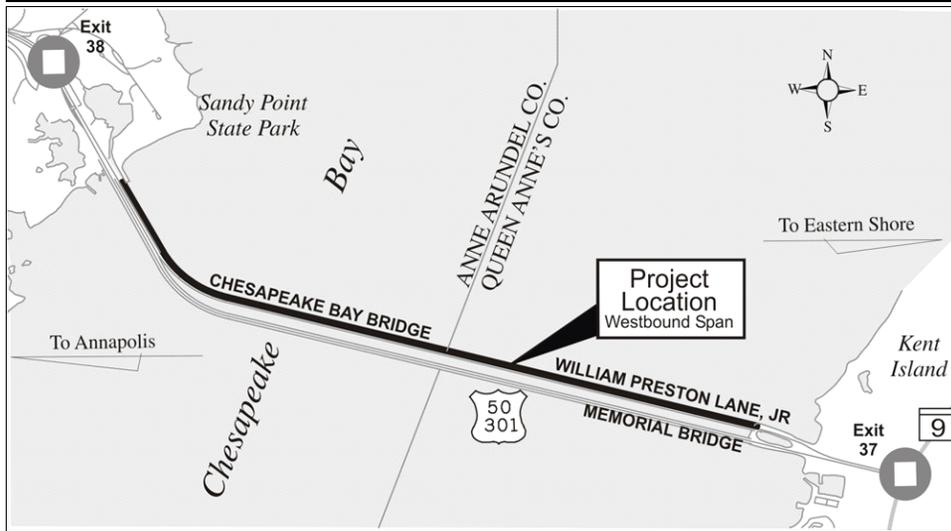
ASSOCIATED IMPROVEMENTS:

- US 50/301 Bay Bridge - Clean and Paint Structural Steel WB Bridge - Construction Program (Line 13)
- US 50/301 Bay Bridge - Repair Substructure Westbound Bridge - Construction Program (Line 15)
- US 50/301 Bay Bridge - Rehabilitate Eastbound Bridge Deck - Development and Evaluation Program (Line 26)

STATUS: Engineering and construction are underway.

PHASE	TOTAL				PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2013	CURRENT YEAR 2014	BUDGET YEAR 2015	.....2016....	.....2017....	.....2018....	.....2019....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	3,269	1,916	1,353	0	0	0	0	0	1,353	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	50,809	9,285	21,185	20,339	0	0	0	0	41,524	0
Total	54,078	11,201	22,538	20,339	0	0	0	0	42,877	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP: None.



PROJECT: US 50/301 Bay Bridge - Repair Substructure Westbound Bridge

DESCRIPTION: System preservation work consisting of repairing wear to concrete piles and pile caps and replacing missing and damaged pile jackets on the east and west approach spans of the westbound bridge.

PURPOSE & NEED SUMMARY STATEMENT: Piles and pile caps exhibited various degrees of wear. This improvement addressed existing wear and extends the useful life of the piles on the east and west approach spans of the westbound bridge.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- | | |
|---|--|
| <input type="checkbox"/> Safety & Security | <input type="checkbox"/> Environmental Stewardship |
| <input checked="" type="checkbox"/> System Preservation | <input type="checkbox"/> Community Vitality |
| <input type="checkbox"/> Quality of Service | <input type="checkbox"/> Economic Prosperity |

EXPLANATION: Repaired wear to concrete piles and pile caps and replaced missing and damaged pile jackets on the east and west approach spans of the westbound bridge.

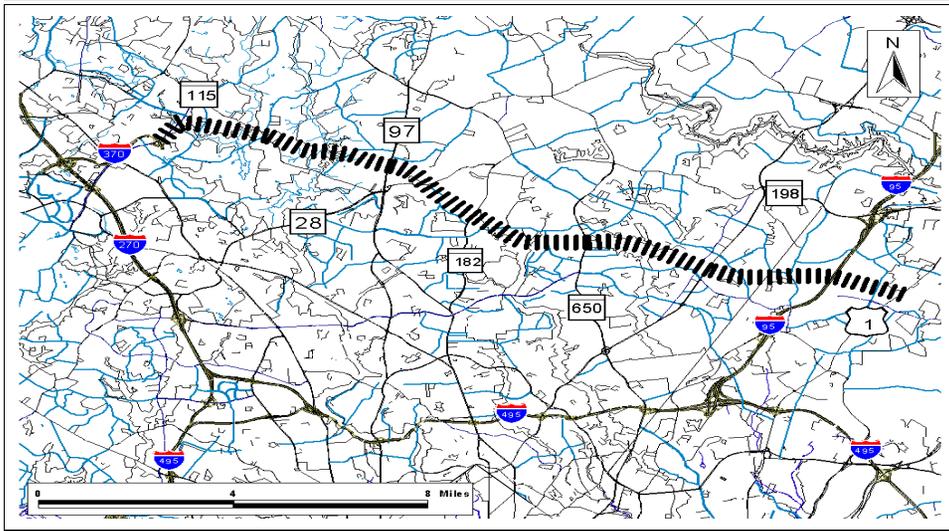
ASSOCIATED IMPROVEMENTS:

- US 50/301 Bay Bridge - Clean and Paint Structural Steel WB Bridge - Construction Program (Line 13)
- US 50/301 Bay Bridge - Cable Rewrapping and Dehumidification - Construction Program (Line 14)
- US 50/301 Bay Bridge - Rehabilitate Eastbound Bridge Deck - Development and Evaluation Program (Line 26)

STATUS: Open to service.

PHASE	TOTAL				PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2013	CURRENT YEAR 2014	BUDGET YEAR 2015	.....2016....	.....2017....	.....2018....	.....2019....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	798	798	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	4,538	4,538	0	0	0	0	0	0	0	0
Total	5,336	5,336	0	0	0	0	0	0	0	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP: None.



PROJECT: MD 200, InterCounty Connector

DESCRIPTION: Construction of a new east-west, multi-modal highway in Montgomery and Prince George's counties between I-270 and I-95/US 1.

PURPOSE & NEED SUMMARY STATEMENT: This transportation project is needed to increase community mobility and safety; to support development and local land use plans; to improve access between economic growth centers; to advance homeland security measures; and to help restore the natural, human and cultural environments from past development impacts in the project area.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Safety & Security | <input checked="" type="checkbox"/> Environmental Stewardship |
| <input type="checkbox"/> System Preservation | <input checked="" type="checkbox"/> Community Vitality |
| <input checked="" type="checkbox"/> Quality of Service | <input checked="" type="checkbox"/> Economic Prosperity |

EXPLANATION: The project increases community mobility and safety; supports development and local land use plans; improves access between economic growth centers; advances homeland security measures; and helps restore the natural, human and cultural environments from past development impacts in the project area.

ASSOCIATED IMPROVEMENTS:

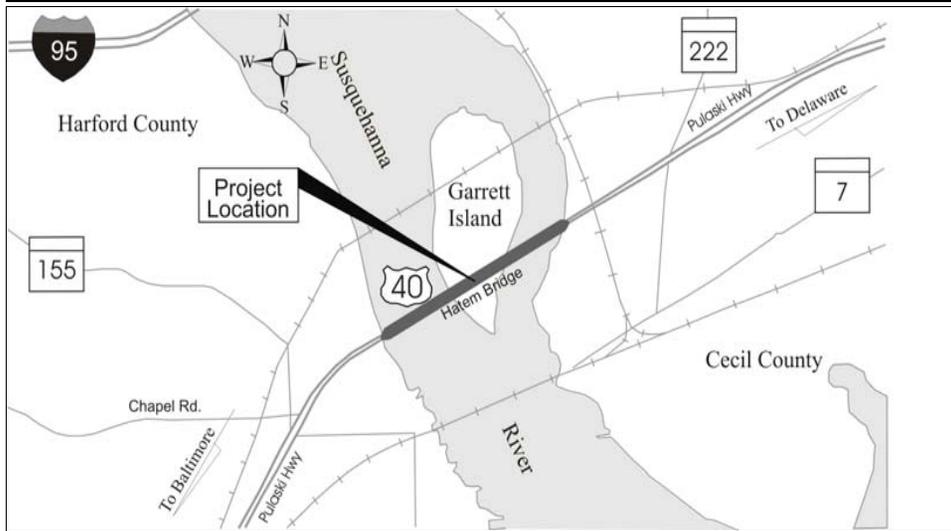
- US 29 Interchanges (Lines 10, 11 Montgomery County - SHA)
- MD 28/MD 198, MD 97 to I-95 (Line 12, Montgomery County - SHA)
- I-95/Contee Road Interchange (Line 1, Prince George's County - SHA)
- MD 201 Extended/US 1, I-95/I-495 to N. of Muirkirk Road (Line 21, Prince George's County - SHA)

STATUS: Planning and engineering are complete. Right-of-way and construction are underway. Contract A from I-370 to MD 97 was opened to traffic in February 2011. Contracts B and C, extending to I-95, opened to traffic in November 2011. Construction is underway for Contracts D and E extending to I-95/US 1.

SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP: Cost decreased by \$12.5 million due to reductions in the contingency funds associated with ROW and Contracts B and C.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL	<input checked="" type="checkbox"/> FEDERAL	<input checked="" type="checkbox"/> GENERAL	<input checked="" type="checkbox"/> OTHER					SIX	BALANCE
PHASE	ESTIMATED COST (\$000)	EXPEND THRU 2013	CURRENT YEAR 2014	BUDGET YEAR 2015	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				YEAR TOTAL	TO COMPLETE	
					.....2016.....	.....2017.....	.....2018.....	.....2019.....		
Planning	28,889	28,889	0	0	0	0	0	0	0	0	
Engineering	75,181	75,181	0	0	0	0	0	0	0	0	
Right-of-way	253,500	243,104	10,396	0	0	0	0	0	10,396	0	
Construction	2,029,018	1,897,267	89,680	39,571	2,500	0	0	0	131,751	0	
Total	2,386,588	2,244,441	100,076	39,571	2,500	0	0	0	142,147	0	
Federal-Aid	19,270	19,270	0	0	0	0	0	0	0	0	

The Federal-Aid share of \$19.27 million is also included in SHA's portion of the CTP.



PROJECT: US 40 Thomas J. Hatem Memorial Bridge - Underwater Repairs

DESCRIPTION: Rehabilitate pier foundations with advanced wear and address pier scour protection.

PURPOSE & NEED SUMMARY STATEMENT: Pier foundations in the river exhibit wear and analysis shows scour protection is needed. This improvement will extend the useful life of the pier foundations.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Safety & Security | <input type="checkbox"/> Environmental Stewardship |
| <input checked="" type="checkbox"/> System Preservation | <input type="checkbox"/> Community Vitality |
| <input type="checkbox"/> Quality of Service | <input type="checkbox"/> Economic Prosperity |

EXPLANATION: Pier foundations have advanced wear and require scour protection. This improvement will address existing wear and prevent further wear.

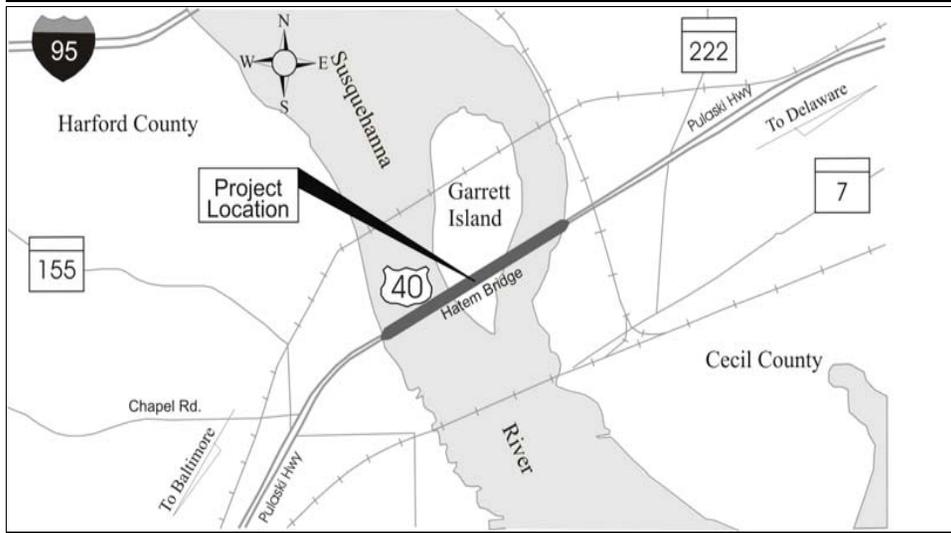
ASSOCIATED IMPROVEMENTS:

- US 40 Thomas J. Hatem Memorial Bridge - Clean and Paint Structural Steel - Construction Program (Line 18)
- US 40 Thomas J. Hatem Memorial Bridge - Convert to All Electronic Tolling and Rehabilitate Approach Roadways (Line 19)

STATUS: Engineering is complete. Construction is underway.

POTENTIAL FUNDING SOURCE:		<input type="checkbox"/> SPECIAL		<input type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input checked="" type="checkbox"/> OTHER			
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2013			2014	20152016.....2017.....		2018.....	.....2019.....
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	2,213	2,213	0	0	0	0	0	0	0	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	47,014	20,168	22,010	4,836	0	0	0	0	26,846	0	
Total	49,227	22,381	22,010	4,836	0	0	0	0	26,846	0	
Federal-Aid	0	0	0	0	0	0	0	0	0	0	

SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP: None.



PROJECT: US 40 Thomas J. Hatem Memorial Bridge - Clean and Paint Structural Steel

DESCRIPTION: Paint structural members throughout the bridge.

PURPOSE & NEED SUMMARY STATEMENT: Bridge had areas of paint wear. This improvement addressed existing paint wear and extended the useful life of the structural steel.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- Safety & Security
- System Preservation
- Quality of Service
- Environmental Stewardship
- Community Vitality
- Economic Prosperity

EXPLANATION: Bridge had paint wear. This improvement addressed existing wear and prevents further wear.

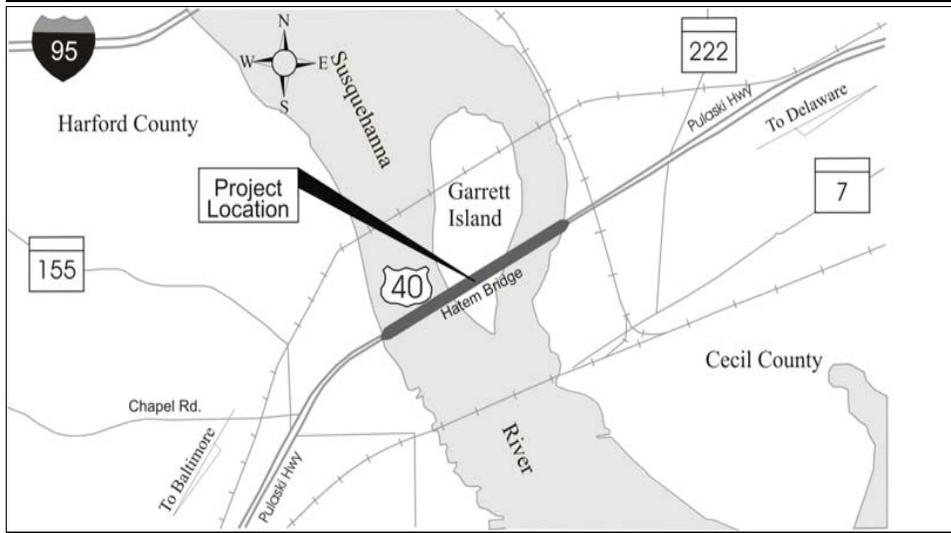
ASSOCIATED IMPROVEMENTS:

- US 40 Thomas J. Hatem Memorial Bridge - Underwater Repairs - Construction Program (Line 17)
- US 40 Thomas J. Hatem Memorial Bridge - Convert to All Electronic Tolling and Rehabilitate Approach Roadways (Line 19)

STATUS: Open to service.

POTENTIAL FUNDING SOURCE:		<input type="checkbox"/> SPECIAL		<input type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input type="checkbox"/> OTHER			
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2013			2014	20152016.....2017.....		2018.....	.....2019.....
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	100	81	19	0	0	0	0	0	0	19	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Construction	8,867	8,780	87	0	0	0	0	0	0	87	0
Total	8,967	8,861	106	0	0	0	0	0	0	106	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP: None.



PROJECT: US 40 Thomas J. Hatem Memorial Bridge - Convert to All Electronic Tolling (AET) and Rehabilitate Approach Roadways

DESCRIPTION: Remove the toll plaza, realign the roadway, rehabilitate pavement, install AET gantry and toll collection equipment, overlay and restripe pavement.

PURPOSE & NEED SUMMARY STATEMENT: Conversion to All Electronic Tolling (AET) will reduce travel time, increase safety and provide a reduction in toll collection and maintenance costs. The rehabilitation of the approach roadways is needed based on the condition of the existing pavement.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- Safety & Security
- System Preservation
- Quality of Service
- Environmental Stewardship
- Community Vitality
- Economic Prosperity

EXPLANATION: The conversion to All Electronic Tolling (AET) will reduce travel time, increase safety and provide a reduction in toll collection and maintenance costs.

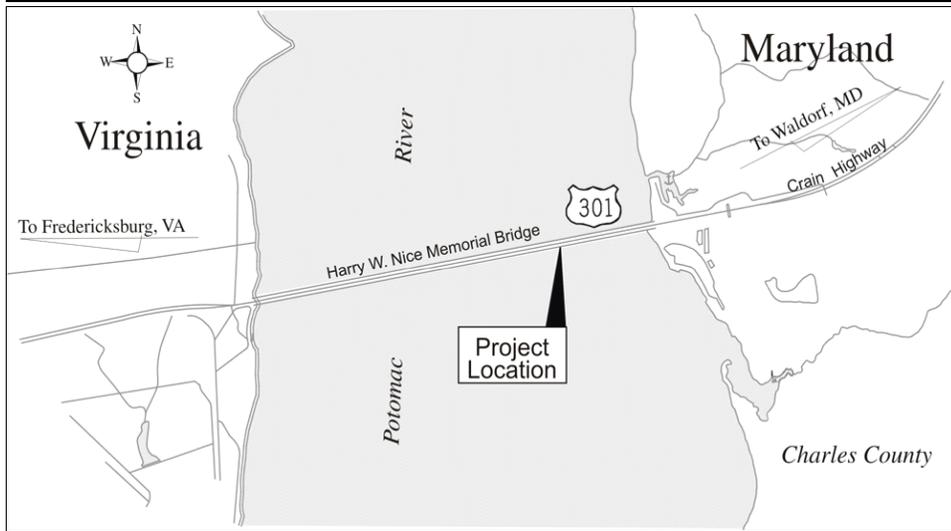
ASSOCIATED IMPROVEMENTS:

US 40 Thomas J. Hatem Memorial Bridge - Underwater Repairs - Construction Program (Line 17)
 US 40 Thomas J. Hatem Memorial Bridge - Clean and Paint Structural Steel - Construction Program (Line 18)

STATUS: Design is underway. Construction is to begin in FY 2015.

SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP: Added to the Construction Program.

POTENTIAL FUNDING SOURCE:		<input type="checkbox"/> SPECIAL		<input type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input type="checkbox"/> OTHER			
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2013			YEAR 2014	YEAR 20152016....2017....		2018....	.....2019....
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	1,816	616	1,200	0	0	0	0	0	1,200	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Construction	9,000	0	0	2,000	5,000	2,000	0	0	9,000	0	0
Total	10,816	616	1,200	2,000	5,000	2,000	0	0	10,200	0	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0	0



PROJECT: US 301 Harry W. Nice Bridge - Clean and Paint Structural Steel and Miscellaneous Structural Repairs

DESCRIPTION: Spot paint as required throughout the full length of the bridge and zone paint at locations of roadway joints. Repair miscellaneous structural elements.

PURPOSE & NEED SUMMARY STATEMENT: Last zone paint completed was on the truss towers in 2002. Paint on many locations throughout the bridge has wear. This improvement will extend the useful life of the structural steel.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- | | |
|---|--|
| <input type="checkbox"/> Safety & Security | <input type="checkbox"/> Environmental Stewardship |
| <input checked="" type="checkbox"/> System Preservation | <input type="checkbox"/> Community Vitality |
| <input type="checkbox"/> Quality of Service | <input type="checkbox"/> Economic Prosperity |

ASSOCIATED IMPROVEMENTS:

US 301 Harry W. Nice Memorial Bridge - Replace Nice Bridge - Development and Evaluation Program (Line 25)

EXPLANATION: Paint throughout the bridge has wear. This improvement will address existing wear and prevent further wear.

STATUS: Engineering is complete. Construction is underway.

PHASE	POTENTIAL FUNDING SOURCE:									
	<input type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input checked="" type="checkbox"/> OTHER									
	TOTAL ESTIMATED COST (\$000)	TOTAL EXPEND THRU 2013	CURRENT YEAR 2014	BUDGET YEAR 2015	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
				.....2016.....	.....2017.....	.....2018.....	.....2019.....			
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	638	638	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	12,712	1,907	6,430	4,375	0	0	0	0	10,805	0
Total	13,350	2,545	6,430	4,375	0	0	0	0	10,805	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP: Cost decreased by \$1.4 million based on actual bid price.



PROJECT: Authority-Wide - Procure, Upgrade, Repair and Replace Signs Including Dynamic Message Signs and Sign Structures

DESCRIPTION: Upgrade and replace signs and sign structures and perform miscellaneous repairs. Also, supply dynamic message signs (DMS) for a 5 year period to support about 20+ projects that are replacing or installing new DMS throughout MDTA's facilities. The project also provides for preventive maintenance, emergency maintenance, and parts and supplies as needed to maintain the DMS signs.

PURPOSE & NEED SUMMARY STATEMENT: Existing DMS signs were experiencing reliability issues and other signs and sign structures were worn. This improvement brought signs and other safety features MDTA-wide up to latest standards.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- Safety & Security
- System Preservation
- Quality of Service
- Environmental Stewardship
- Community Vitality
- Economic Prosperity

ASSOCIATED IMPROVEMENTS: None.

EXPLANATION: Worn signs, sign structures and DMS signs were upgraded and replaced.

STATUS: Open to service.

PHASE	POTENTIAL FUNDING SOURCE: <input type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER									
	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2013			2014	20152016.....2017.....			.....2018.....	.....2019.....
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	3,174	3,015	159	0	0	0	0	0	159	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	21,301	21,301	0	0	0	0	0	0	0	0
Total	24,475	24,316	159	0	0	0	0	0	159	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP: Cost decreased by \$4.8 million as \$3 million of ICC and ETL DMS furnished by this contract were charged to those budgets. Additional \$1.8 million reduction for signs deleted from this contract.

1949, 1959, 2016



PROJECT: Authority-Wide - Install Security Systems and Video Surveillance at Major Bridges

DESCRIPTION: Install electronic security systems and video surveillance at five major bridges.

PURPOSE & NEED SUMMARY STATEMENT: This project will enhance the safety and security at five major bridges.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- Safety & Security
- System Preservation
- Quality of Service
- Environmental Stewardship
- Community Vitality
- Economic Prosperity

ASSOCIATED IMPROVEMENTS: None.

EXPLANATION: This project will enhance the safety and security at five major bridges.

STATUS: Engineering is complete. Construction is underway.

POTENTIAL FUNDING SOURCE: <input type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input checked="" type="checkbox"/> OTHER										
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2013			2014	20152016....2017....			.....2018....	.....2019....
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	612	612	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	11,310	4,301	6,420	200	200	189	0	0	7,009	0
Total	11,922	4,913	6,420	200	200	189	0	0	7,009	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP: None.



PROJECT: Upgrade Truck Weigh Facilities at the Kennedy Highway, Bay Bridge and Hatem Bridge Locations

DESCRIPTION: Upgrade the existing truck weigh facilities in accordance with increased truck traffic.

PURPOSE & NEED SUMMARY STATEMENT: The truck weigh facilities will be upgraded to accommodate increased truck traffic by replacing the existing scales and installing newer technologies including Commercial Vehicles Information Systems and Networks (CVISN) and CHART. This project will improve the efficiency and effectiveness of commercial vehicle safety programs.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- Safety & Security
- System Preservation
- Quality of Service
- Environmental Stewardship
- Community Vitality
- Economic Prosperity

ASSOCIATED IMPROVEMENTS: None.

EXPLANATION: The truck weigh facilities will be upgraded to accommodate increased truck traffic by replacing the existing scales and installing newer technologies including Commercial Vehicles Information Systems and Networks (CVISN) and CHART. This project will improve the efficiency and effectiveness of commercial vehicle safety programs.

STATUS: Engineering is underway. Construction is to begin in FY 2015.

SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP: None.

POTENTIAL FUNDING SOURCE: <input type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input checked="" type="checkbox"/> OTHER										
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2013			2014	20152016....2017....			....2018....	....2019....
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	500	113	387	0	0	0	0	0	387	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	10,000	0	0	4,000	4,000	2,000	0	0	10,000	0
Total	10,500	113	387	4,000	4,000	2,000	0	0	10,387	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0



PROJECT: Authority-Wide - Replace Electronic Toll Collection and Operating System - 3rd Generation

DESCRIPTION: The project will develop the framework and consequential contracts for the 3rd generation toll system. The project's contracts will replace the Electronic Toll Collection Next Generation (ETCNG) contracts currently deployed. Project is a multiyear project with major phases including a design/build phase, integration, testing and transition and an operations phase that may be 5-10 years depending on final project plan development.

PURPOSE & NEED SUMMARY STATEMENT: This project will update the Electronic Toll Collection and Operating System software and increase the capacity for handling video tolling and citations.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- | | |
|---|--|
| <input type="checkbox"/> Safety & Security | <input type="checkbox"/> Environmental Stewardship |
| <input checked="" type="checkbox"/> System Preservation | <input type="checkbox"/> Community Vitality |
| <input checked="" type="checkbox"/> Quality of Service | <input type="checkbox"/> Economic Prosperity |

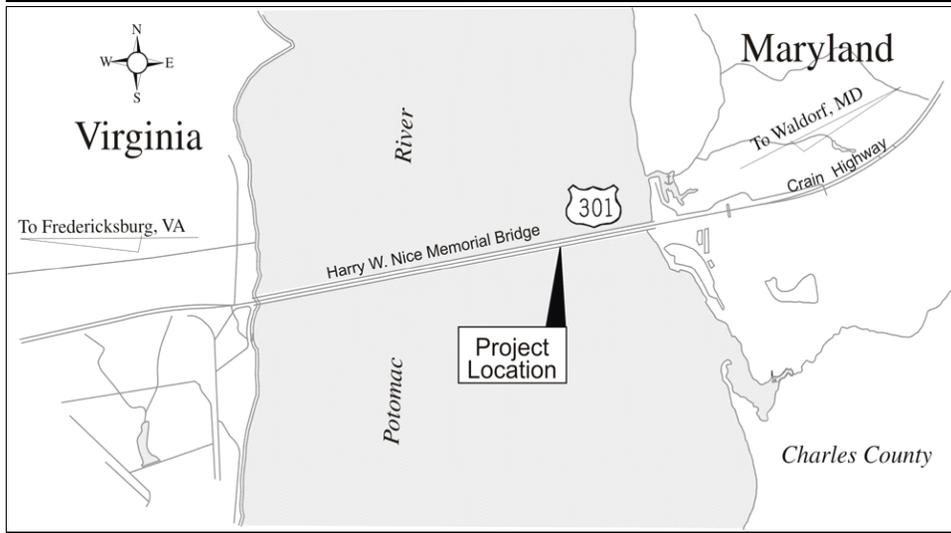
ASSOCIATED IMPROVEMENTS: None.

EXPLANATION: This project will update the Electronic Toll Collection and Operating System software and increase the capacity for handling video tolling and citations.

STATUS: Design is underway. Construction is to begin in FY 2016.

SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP: Added to the Construction Program.

POTENTIAL FUNDING SOURCE: <input type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER										
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2013			2014	20152016....2017....			.....2018....	.....2019....
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	9,418	1,302	1,995	1,530	1,530	1,530	1,531	0	8,116	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	77,349	0	0	0	9,105	15,609	16,643	12,474	53,831	23,518
Total	86,767	1,302	1,995	1,530	10,635	17,139	18,174	12,474	61,947	23,518
Federal-Aid	0	0	0	0	0	0	0	0	0	0



PROJECT: US 301 Harry W. Nice Memorial Bridge - Replace Nice Bridge

DESCRIPTION: Investigate capacity and safety needs of the bridge and approaches. Begin design of replacement bridge.

JUSTIFICATION: The existing bridge does not meet current standards, i.e., narrow lanes, lack of shoulders, and steep grades with lack of truck climbing lanes. The existing bridge during peak periods is reaching capacity. Traffic is projected to increase by 45 percent on weekdays and 33 percent on weekends by 2025.

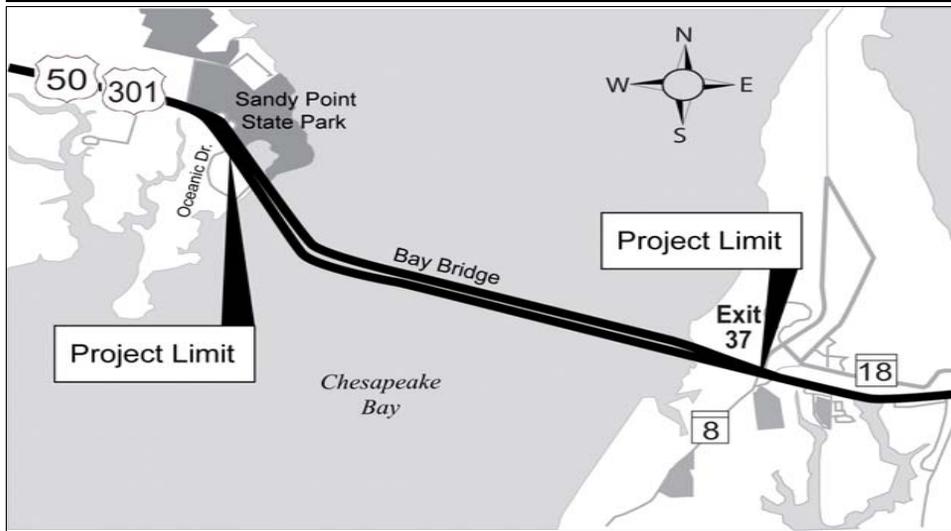
ASSOCIATED IMPROVEMENTS:

US 301 Harry W. Nice Memorial Bridge - Clean and Paint Structural Steel and Miscellaneous Structural Repairs - Construction Program (Line 20)

STATUS: Planning study is complete. Preliminary engineering is underway. Right-of-way acquisition is to begin in FY 2015.

SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP: Cost increased by \$55.1 million to add geotechnical/boring program, ordinance detection, preliminary engineering and right-of-way acquisition.

POTENTIAL FUNDING SOURCE:										
<input type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input checked="" type="checkbox"/> OTHER										
PHASE	TOTAL				PROJECTED CASH REQUIREMENTS				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2013	CURRENT YEAR 2014	BUDGET YEAR 2015	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY		
					.....2016....	.....2017....	.....2018....	.....2019....		
Planning	5,500	5,295	205	0	0	0	0	0	205	0
Engineering	26,100	0	45	3,155	7,600	7,700	7,600	0	26,100	0
Right-of-way	30,000	0	0	500	5,500	8,600	8,900	6,500	30,000	0
Construction	0	0	0	0	0	0	0	0	0	0
Total	61,600	5,295	250	3,655	13,100	16,300	16,500	6,500	56,305	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0



PROJECT: US 50/301 Bay Bridge - Rehabilitate Eastbound Bridge Deck

DESCRIPTION: Rehabilitate and/or replace the eastbound bridge deck.

JUSTIFICATION: The eastbound deck is exhibiting various degrees of deterioration as it was last replaced in 1985. Industry standards indicate that the deck is nearing the end of its life cycle.

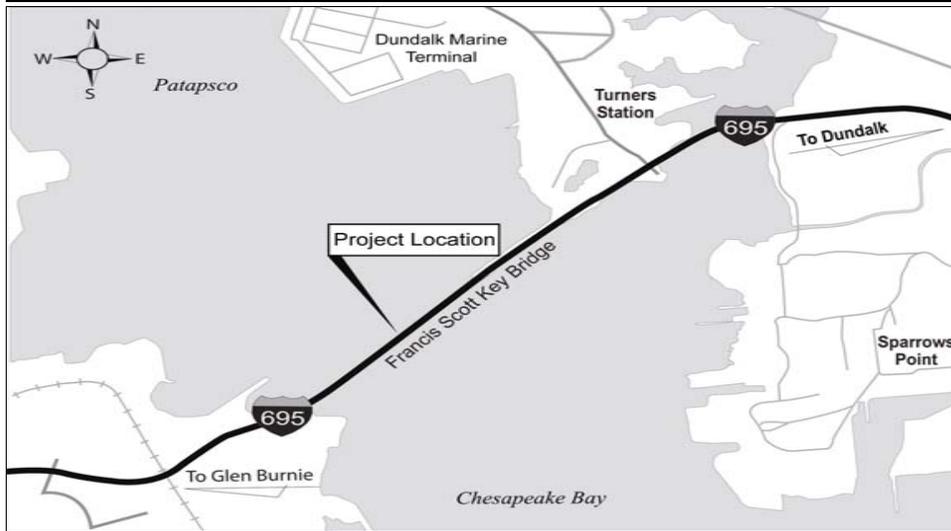
ASSOCIATED IMPROVEMENTS:

- US 50/301 Bay Bridge - Clean and Paint Structural Steel Westbound Bridge - Construction Program (Line 13)
- US 50/301 Bay Bridge - Cable Rewrapping & Dehumidification - Construction Program (Line 14)
- US 50/301 Bay Bridge - Repair Substructure Westbound Bridge - Construction Program (Line 15)

STATUS: Engineering is underway.

POTENTIAL FUNDING SOURCE:										
<input type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input checked="" type="checkbox"/> OTHER										
PHASE	TOTAL				PROJECTED CASH REQUIREMENTS				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2013	CURRENT YEAR 2014	BUDGET YEAR 2015	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY		
					.....2016.....	.....2017.....	.....2018.....	.....2019.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	10,700	192	450	5,158	4,900	0	0	0	10,508	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0
Total	10,700	192	450	5,158	4,900	0	0	0	10,508	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP: None.



PROJECT: MD 695 Francis Scott Key Bridge - Convert to All Electronic Tolling (AET)

DESCRIPTION: Remove the toll plaza and tunnel, realign the roadway, install AET gantry and toll collection equipment, overlay and restripe pavement.

JUSTIFICATION: Conversion to All Electronic Tolling (AET) will reduce travel time, improve safety and provide a reduction in toll collection and maintenance costs.

ASSOCIATED IMPROVEMENTS:

- MD 695 Francis Scott Key Bridge - Clean and Paint Approach Spans to Francis Scott Key Bridge and Miscellaneous Repairs - Construction Program (Line 8)
- MD 695 Francis Scott Key Bridge - Clean and Paint Approach Spans on Bridges over Curtis Creek - Construction Program (Line 9)

STATUS: Engineering is underway.

POTENTIAL FUNDING SOURCE:										
<input type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER										
PHASE	TOTAL				PROJECTED CASH REQUIREMENTS				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2013	CURRENT YEAR 2014	BUDGET YEAR 2015	FOR PLANNING PURPOSES ONLY					
					.....2016....	.....2017....	.....2018....	.....2019....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	2,000	212	1,538	250	0	0	0	0	1,788	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0
Total	2,000	212	1,538	250	0	0	0	0	1,788	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP: Added to the Development & Evaluation Program.

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSPORTATION AUTHORITY - LINE 28

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
<u>FY 2014 and Prior</u>			
<u>BALTIMORE HARBOR TUNNEL</u>			
1	Rehabilitate Pavement between Toll Plaza and the K-Truss Bridge (2037)	2,161	Complete
2	Replace Dynamic Message Signs & Lane Use Signals with LED Based Technology (0281)	1,491	Complete
3	Replace Overheight Detection System (2151)	527	Complete
4	Replace Roof and Repair HVAC of Fairfield Service Building (2036)	1,402	Complete
5	Clean and Paint Structural Steel - Phase I (2253)	3,008	Complete
6	Rehabilitate K-Truss Bridge Deck (Code 1 System Preservation) (2210)	5,461	Complete
7	Canton & Fairfield Vent Building Envelope & Evase Repairs (Engineering only) (2306)	1,050	Underway
8	Replace Deck and Superstructure of Bridge over Patapsco Flats (Engineering only) (2292)	1,700	Underway
9	Clean and Paint Structural Steel on Various Bridges - Phase II (2255)	4,422	Underway
10	Install Tunnel Sprinkler System (Engineering only) (2337)	1,550	Underway
11	Rehabilitate K-Truss Approach Spans (Engineering only) (2334)	500	Underway
12	Replace Vent Fans (Engineering only) (2263)	2,130	Underway
13	Zone Paint Various Bridges (2279)	2,412	Underway
14	Rehabilitate Tunnel Standpipe and Sump Pump Systems (Engineering only) (2363)	500	Underway
<u>F.S.KEY BRIDGE</u>			
15	Replace Breaker and Miscellaneous Electrical Repairs (Code 1 System Preservation) (2203)	296	Complete
16	Replace Light Poles on Bridge (2150)	1,332	Complete
17	Clean and Paint Structural Steel on Various Bridges - Phase I (2258)	1,526	Complete
18	Superstructure Fatigue Retrofits at Curtis Creek Bridge (2214)	1,742	Complete
19	Clean and Paint Structural Steel at Bear Creek Bridges (2252)	4,066	Underway
20	Reconstruct Service Road #3 (2234)	2,458	Underway
21	Replace HVAC at FSK Campus and OEC Building Roof (Engineering only) (2319)	323	Underway
<u>FORT MCHENRY TUNNEL</u>			
22	Replace Electrical Vault (1478)	928	Complete

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSPORTATION AUTHORITY - LINE 28 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
<u>FY 2014 and Prior (cont'd)</u>			
<u>FORT MCHENRY TUNNEL (cont'd)</u>			
23	Upgrade Central Utility Plant (1477)	1,051	Complete
24	Install Police Detention Area at FMT East Vent Building (1402)	2,546	Complete
25	Repair Hanover Street Ramp (2157)	1,617	Underway
26	Replace Administration Building Generator (2138)	365	Underway
27	Replace Dynamic Message Signs and Lane Use Signals with LED Based Technology (1463)	2,941	Underway
28	Repair Vent Fans (Engineering only) (2251)	1,100	Underway
29	Replace or Rehabilitate Tunnel Lighting System (Engineering only) (2269)	500	Underway
30	Replace Salt Barn (Engineering only) (2299)	175	Underway
31	Replace HVAC at Administration Building, Maintenance Building and Emergency Garages (2285)	2,855	Underway
32	Replace Roof of Maintenance Building (2301)	974	Underway
33	Zone Paint Various Bridges North of Tunnel (2256)	5,925	Underway
34	FMT West Vent Building Settlement and Building Repairs (Engineering only) (2357)	150	Underway
35	I-95 and I-395 Superstructure and Pier Modifications (Engineering only) (2354)	500	Underway
36	Improve Landscape (2352)	325	Underway
37	Renovate 5th Floor at East Vent Building (Engineering only) (2364)	500	Underway
38	Install Sweeper Dirt Dewatering Pad (2310)	759	Spring, 2014
<u>KENNEDY HIGHWAY</u>			
39	I-95/MD 222 Concept Study (Planning only) (2237)	425	Complete
40	Modify Drainage to Hand Boxes (2057)	338	Complete
41	Replace Salt Barn at MD 7 and I-695 (Joint project with SHA) (2181)	1,557	Complete
42	Clean and Paint Structural Steel on Various Bridges (2238)	3,149	Complete
43	Modify Expansion Joints on the Tydings Bridge (SB) and Miscellaneous Structural Repairs (2182)	4,781	Complete
44	Replace 230kW Generator at Administration Building (2239)	382	Complete
45	Land Acquisition and Equipment to Support I-95 Improvements (2136)	6,185	Underway
46	Clean and Paint Structural Steel on Various Bridges - Phase II (2257)	5,989	Underway
47	Install Sweeper Dirt Dewatering Pad at Maintenance 1 (2314)	295	Underway

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSPORTATION AUTHORITY - LINE 28 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
<u>FY 2014 and Prior (cont'd)</u>			
<u>KENNEDY HIGHWAY (cont'd)</u>			
48	Overlay Deck & Repair - Bouchelle Road & MD 213 Bridges over I-95 (2275)	2,019	Underway
49	Zone Paint Various Bridges - Phase III (2281)	3,551	Underway
50	Rehab Corrugated Pipe Culverts (Engineering only) (2359)	110	Underway
51	Renovate HVAC System at Administration Building (2272)	883	Underway
52	Clean and Zone Paint Tydings Bridge (2313)	8,661	Spring, 2014
53	Replace Underground Storage Tank with Aboveground Storage Tank-Maintenance 1 (2218)	685	Spring, 2014
<u>MULTI-AREA</u>			
54	Install Radio Rebroadcast Systems in Fort McHenry and Harbor Tunnels (1963)	865	Complete
55	Install Highway Advisory Radio Transmitters and Signs - JFK and WPL (2008)	1,183	Complete
56	Law Enforcement IT Systems Plan - Multi-Area (2060)	3,147	Complete
57	Miscellaneous Paving Repairs (2142)	3,957	Complete
58	Right-of-Way and General Fencing at Various Locations (2144)	282	Complete
59	On-Call Structural Repairs and Miscellaneous Modifications (2168)	13,036	Complete
60	On-Call Structural Repairs and Miscellaneous Modifications (2171)	13,900	Complete
61	Replace Intercom Systems at Toll Collection Booths - Authority-Wide (2162)	267	Complete
62	Energy Lease Program (2078)	9,399	Complete
63	Study Unified Operations Center (2250)	10	Complete
64	Design & Construct Security Fencing at Shores of Major Bridges (TJH, FSK, HWN, Tydings & WPL) (2130)	1,778	Complete
65	On-Call Shotcrete Repairs and Miscellaneous Modifications (2227)	7,505	Complete
66	Replace Roofs at the Baltimore Harbor Tunnel and Francis Scott Key Campuses (2247)	199	Complete
67	On-Call Furnishing and Installation of Camera and Compressor-Decompressor (CODEC) Equipment (2014)	3,687	Underway
68	Evaluate Condition of Deck, Superstructure & Substructures All Facilities (Engineering only) (2083)	1,629	Underway
69	Install E-ZPass Back-Up Site (Engineering only) (2225)	100	Underway
70	Furnish and Install Radiax Cable within Tunnels (2156)	2,051	Underway
71	Miscellaneous Paving Repairs (Code 1 System Preservation) (2193)	1,637	Underway
72	On-Call Structural Repairs and Miscellaneous Modifications (2176)	14,421	Underway

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSPORTATION AUTHORITY - LINE 28 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
<u>FY 2014 and Prior (cont'd)</u>			
<u>MULTI-AREA (cont'd)</u>			
73	Repair and Modify Miscellaneous Roadway Lighting (1913)	4,911	Underway
74	Replace Navigational Lighting Systems at Francis Scott Key, Nice Memorial and Bay Bridges (2074)	2,771	Underway
75	On-Call Miscellaneous Electrical Repairs (2236)	1,339	Underway
76	On-Call Structural Repairs and Miscellaneous Modifications (2254)	13,212	Underway
77	Fatigue Retrofits for Various Structures (2219)	1,298	Underway
78	Implement Video Citation Process (2294)	3,950	Underway
79	Law Enforcement Computer-Aided Dispatch/Records Mgmt/Auto Field Report/Auto Veh Locator System Plan (2324)	6,952	Underway
80	On-Call Facility/Building Repairs (2240)	2,309	Underway
81	On-Call Miscellaneous Paving Repairs (2335)	7,686	Underway
82	On-Call Structural Repairs and Miscellaneous Modifications (2291)	11,953	Underway
83	On-Call Structural Repairs and Miscellaneous Modifications (2296)	9,006	Underway
84	On-Call Total Maximum Daily Load (TMDL) Storm Water Retrofits on JFK and BHT (2290)	4,557	Underway
85	Overlay Bridge Decks and Misc. Repairs of I-895A Ramp over I-895B and Quarantine Road over I-695 (2270)	3,287	Underway
86	Remove, Replace and Upgrade Sign Structures - Northern Region (Engineering only) (2289)	850	Underway
87	Replace Roofs at JFK and Hatem Bridge Campuses (2241)	2,180	Underway
88	Seal Decks of Various Bridges on I-95, I-695 and I-895 (JFK, FSK, BHT) (Engineering only) (2326)	400	Underway
89	Total Maximum Daily Load (TMDL) Storm Water Retrofits (Engineering only) (2346)	700	Underway
90	On-Call Shotcrete Repairs and Miscellaneous Modifications (2297)	9,435	Underway
91	On-Call Sign Structures (2298)	2,882	Underway
92	On-Call Structural and Concrete Repairs and Misc. Modifications (Engineering only) (2361)	200	Underway
93	Replace Toll Booths at Bay Bridge and Fort McHenry Tunnel (2276)	4,813	Underway
94	Upgrade Fire Alarm and Security Systems (Engineering only) (2358)	185	Underway
95	Equipment Budget (1702)	1,714	Ongoing
96	Furnish and Install License Plate Recognition Systems (2360)	1,723	Spring, 2014
97	Furnish, Deliver and Commission DMS (2229)	1,439	Spring, 2014
98	Total Maximum Daily Load (TMDL) Storm Water Retrofits (2300)	8,658	Spring, 2014

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSPORTATION AUTHORITY - LINE 28 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
<u>FY 2014 and Prior (cont'd)</u>			
<u>NICE BRIDGE</u>			
99	Renovate Administration Building (1025)	2,141	Complete
100	Replace Generators at Administration and Maintenance Buildings (2328)	669	Underway
101	Replace Roofs of Administration and Maintenance Buildings and Rehab Roof of Metal Storage Building (2302)	448	Underway
<u>POINT BREEZE</u>			
102	Point Breeze - Second Floor Renovation (2295)	6,542	Underway
103	Rehabilitate IT Building for MDTA Police SOD (Engineering only) (2350)	200	Underway
104	Renovate MDTA Headquarters - 1st Floor (Engineering only) (2356)	345	Underway
105	Replace Roof and Repair Brick Masonry at 2310 Point Breeze Building (2242)	2,172	Spring, 2014
<u>W. P. LANE BRIDGE</u>			
106	Replace Underground Tanks at Administration Building & Police West Garage (2051)	1,305	Complete
107	Replace Roofs at Bay Bridge Campus (2245)	415	Complete
108	Replace Traffic System Controllers, Signals and Communications and Replace Cameras and Remount (0651)	8,604	Underway
109	Replace Existing DMS Near Bridge and Install New DMS - east of MD 404 (1914)	1,218	Underway
110	Install Four Isolation Points and Access Ladder - Eastbound Bay Bridge (2054)	1,069	Underway
111	Modify WPL Crossover and Resurface EB and WB Approaches (Engineering only) (2344)	391	Underway
112	Rehabilitate Metal Northrop/Grumman Building for Operations (2322)	590	Underway
113	Rehabilitate Suspension Spans - Westbound Bridge only (Engineering only) (2342)	3,000	Underway
114	Renovate Conduit Hangers - Both Spans (2267)	1,049	Underway
115	Replace 5KV Feeder on Eastbound Bay Bridge (Engineering only) (2329)	1,359	Underway
116	Replace Eastbound Bay Bridge Navigational Lighting (Engineering only) (2347)	92	Underway
117	Furnish and Install Uninterruptible Power Supply (UPS) (2268)	709	Underway
118	Replace Acoustic Monitoring on Eastbound Bay Bridge (2341)	2,454	Underway
119	Replace HVAC at Bay Bridge Campus Buildings (Engineering only) (2362)	274	Underway

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSPORTATION AUTHORITY - LINE 28 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
<u>FY 2015</u>			
<u>BALTIMORE HARBOR TUNNEL</u>			
120	Repaint Harbor Tunnel Switchgear Enclosures (2330)	682	Fall, 2014
121	Replace HVAC at Administration Building (2308)	3,002	Fall, 2014
<u>F.S.KEY BRIDGE</u>			
122	Repair Median Barrier and Lighting north of Bear Creek (2351)	960	Summer, 2014
123	Replace Underground Storage Tanks with Vaulted Storage Tanks (2202)	1,633	Fall, 2014
124	Overlay Bridge Decks over Dock Road and CSXT (2327)	4,100	Spring, 2015
<u>FORT MCHENRY TUNNEL</u>			
125	Replace Generator at Maintenance Building (2348)	439	Fall, 2014
126	Rehabilitate Four Bridges on I-95 over Herring Run and CSX (2333)	2,400	Spring, 2015
<u>HATEM BRIDGE</u>			
127	Replace HVAC at Administration Building and Scale Houses (2303)	806	Fall, 2014
128	Remove Underground Storage Tanks and Replace Oil Water Separator (2222)	496	Spring, 2015
<u>KENNEDY HIGHWAY</u>			
129	Replace Navigational Lighting on the Tydings Bridge (2332)	397	Fall, 2014
130	Replace Light Poles (2323)	6,260	Spring, 2015
<u>MULTI-AREA</u>			
131	Allocated Long Range Capital Needs Reserve (2325)	27,001	Ongoing
132	Equipment Budget (1702)	3,990	Ongoing

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSPORTATION AUTHORITY - LINE 28 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
<u>FY 2015 (cont'd)</u>			
<u>MULTI-AREA (cont'd)</u>			
133	System Preservation Allocated Reserve (1979)	23,874	Ongoing
134	System Preservation Unallocated Reserve (1981)	7,983	Ongoing
135	Install Ten Virtual Weigh Stations at JFK, TJH, FMT, BHT and FSK (2073)	6,720	Summer, 2014
136	Replace and Rehabilitate Toll Booths at JFK and BHT (2311)	3,947	Summer, 2014
137	Replace Generators at JFK, WPL, BHT and FSK (2265)	2,241	Summer, 2014
138	On-Call Electrical and ITS (2345)	4,766	Fall, 2014
139	On-Call Structural and Concrete Repairs and Misc. Modifications (2353)	5,265	Spring, 2015
<u>NICE BRIDGE</u>			
140	Replace Underground Storage Tanks with Aboveground Storage Tanks (2200)	550	Spring, 2015
<u>W. P. LANE BRIDGE</u>			
141	Modify WPL Lane Use System (2340)	1,049	Fall, 2014
142	Repair Toll Plaza Concrete Paving (2318)	4,550	Fall, 2014
143	On-Call Facility-Wide Structural Repairs and Misc. Modifications (2349)	12,375	Spring, 2015