

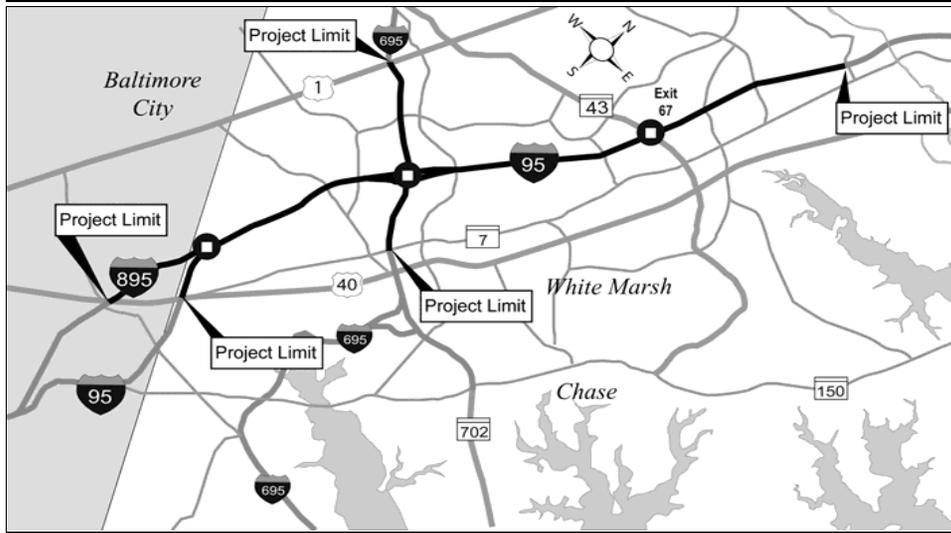
Maryland
Transportation
Authority



MARYLAND TRANSPORTATION AUTHORITY

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

	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>SIX-YEAR TOTAL</u>
<u>Construction Program</u>							
Major Projects	293.4	146.4	125.5	87.6	23.0	12.5	688.4
System Preservation Minor Projects	72.8	239.3	200.1	146.8	199.0	235.7	1,093.7
<u>Development & Evaluation Program</u>	<u>9.7</u>	<u>18.4</u>	<u>16.3</u>	<u>16.5</u>	<u>6.5</u>	<u>-</u>	<u>67.4</u>
TOTAL	375.9	404.1	341.9	250.9	228.5	248.2	1,849.5



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:

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

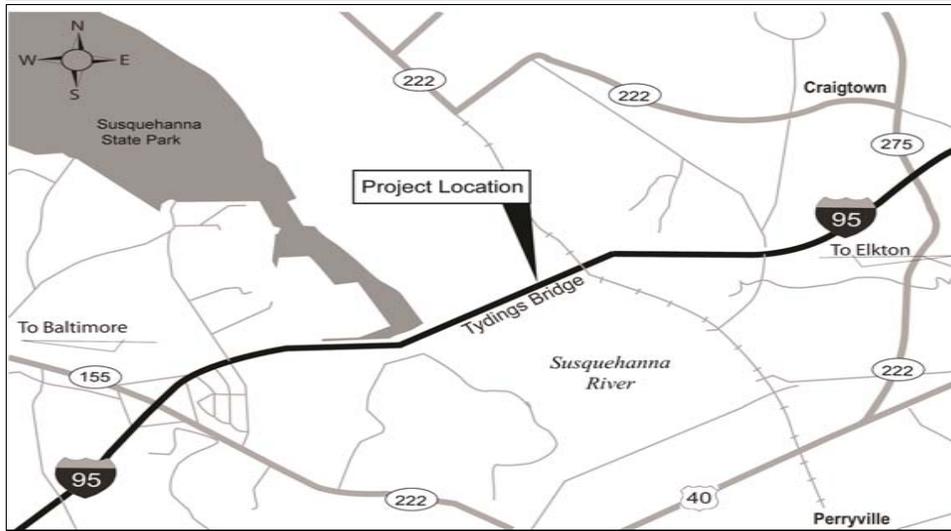
ASSOCIATED IMPROVEMENTS: None.

EXPLANATION: 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: Right-of-way acquisition is complete. Engineering and construction are underway.

SIGNIFICANT CHANGE FROM FY 2014 - 19 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 2014	CURRENT YEAR 2015	BUDGET YEAR 2016	FOR PLANNING PURPOSES ONLY					
					.....2017.....	.....2018.....	.....2019.....	.....2020.....		
Planning	6,032	6,032	0	0	0	0	0	0	0	0
Engineering	119,696	118,279	739	678	0	0	0	0	1,417	0
Right-of-way	47,507	47,507	0	0	0	0	0	0	0	0
Construction	919,984	790,337	90,402	36,312	2,933	0	0	0	129,647	0
Total	1,093,219	962,155	91,141	36,990	2,933	0	0	0	131,064	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0



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

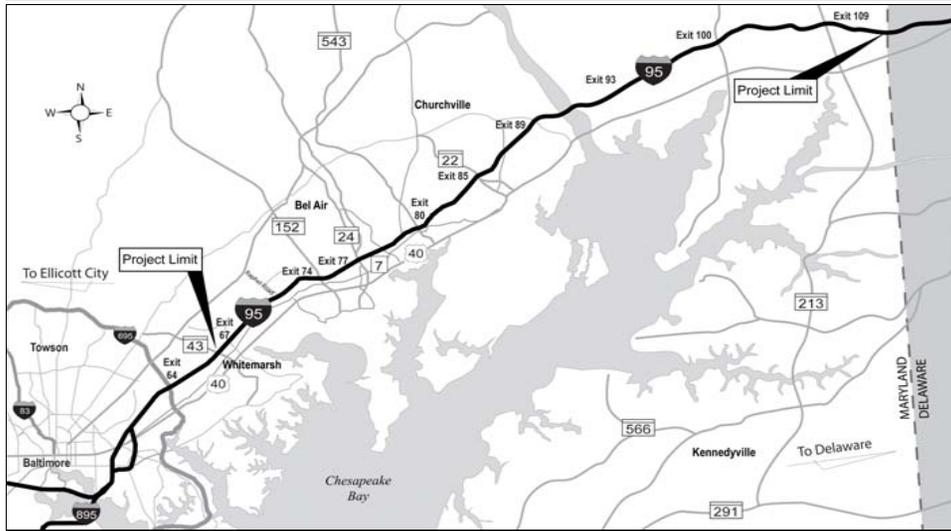
ASSOCIATED IMPROVEMENTS: None.

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

STATUS: Engineering is complete. Construction is underway.

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 2014	CURRENT YEAR 2015	BUDGET YEAR 2016	FOR PLANNING PURPOSES ONLY					
					.....2017.....	.....2018.....	.....2019.....	.....2020.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	1,484	1,484	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	35,694	34,067	1,627	0	0	0	0	0	1,627	0
Total	37,178	35,551	1,627	0	0	0	0	0	1,627	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2014 - 19 CTP: Cost decreased by \$7 million due to better than anticipated site conditions.



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

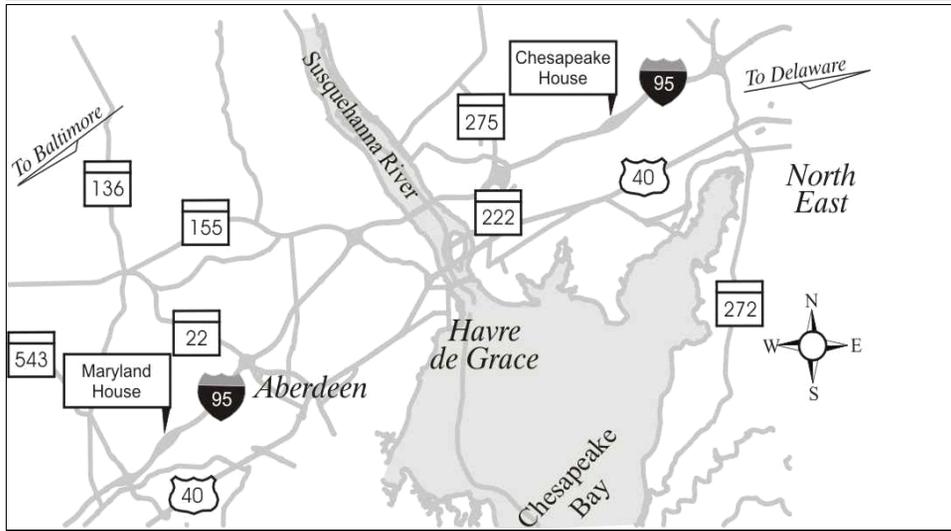
ASSOCIATED IMPROVEMENTS: None.

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: Construction of Phase I is complete. Engineering is complete and construction is scheduled to begin in FY 2015 for Phase II.

SIGNIFICANT CHANGE FROM FY 2014 - 19 CTP: Cost decreased by \$6.2 million for actual charges/final estimate for Phase I and to reflect the actual bid price for Phase II.

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 2014	CURRENT YEAR 2015	BUDGET YEAR 2016	FOR PLANNING PURPOSES ONLY					
					.....2017.....	.....2018.....	.....2019.....	.....2020.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	355	355	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	30,695	11,508	11,000	7,500	687	0	0	0	19,187	0
Total	31,050	11,863	11,000	7,500	687	0	0	0	19,187	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 |

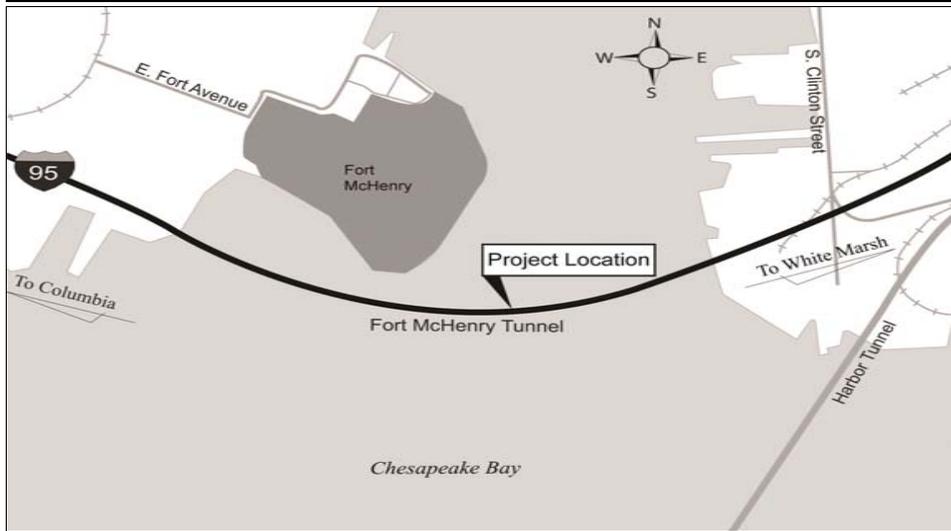
ASSOCIATED IMPROVEMENTS: None.

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: Maryland House opened in January 2014. Engineering is complete and construction is underway for the Chesapeake House.

SIGNIFICANT CHANGE FROM FY 2014 - 19 CTP: None.

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 2014	CURRENT YEAR 2015	BUDGET YEAR 2016	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2017.....	.....2018.....	.....2019.....	.....2020.....		
Planning	2,027	2,027	0	0	0	0	0	0	0	0
Engineering	2,317	2,317	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	3,430	2,360	1,070	0	0	0	0	0	1,070	0
Total	7,774	6,704	1,070	0	0	0	0	0	1,070	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0



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:

- | | |
|---|--|
| <input checked="" 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:

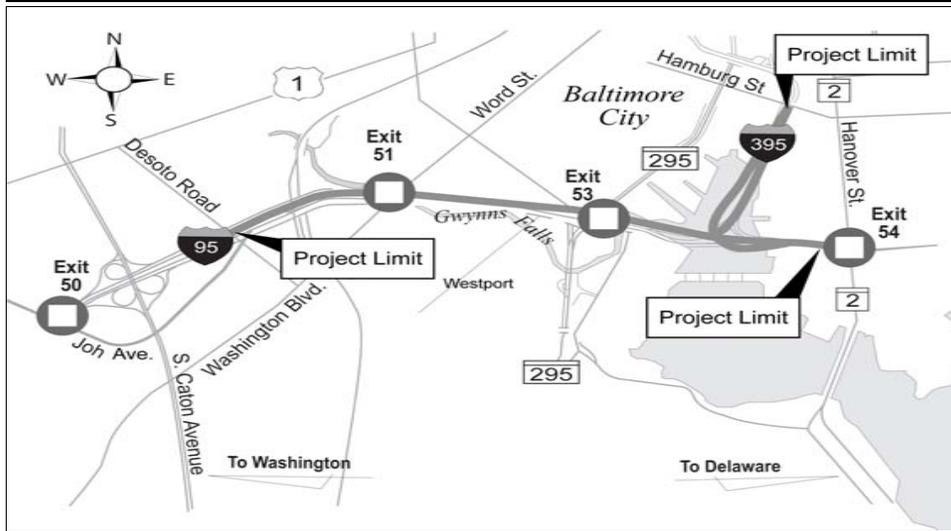
I-95/I-395 Fort McHenry Tunnel - Rehabilitate Decks, Repair Superstructure, Replace Joints, Zone Paint and Other Miscellaneous Repairs South of the Tunnel - Construction Program (Line 6)

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 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 ESTIMATED COST (\$000)	EXPEND THRU 2014	CURRENT YEAR 2015	BUDGET YEAR 2016	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
					.....2017.....	.....2018.....	.....2019.....	.....2020.....		
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	662	662	0	0	0	0	0	0	0	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	37,762	14,329	18,600	4,833	0	0	0	0	23,433	0	
Total	38,424	14,991	18,600	4,833	0	0	0	0	23,433	0	
Federal-Aid	0	0	0	0	0	0	0	0	0	0	

SIGNIFICANT CHANGE FROM FY 2014 - 19 CTP: Cost increased by \$1.0 million to reflect actual bid price.



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 is complete. Construction is underway.

PHASE	TOTAL				PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2014	CURRENT YEAR 2015	BUDGET YEAR 2016	.....2017.....	.....2018.....	.....2019.....	.....2020.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	3,833	3,833	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	80,759	21,335	40,370	19,054	0	0	0	0	59,424	0
Total	84,592	25,168	40,370	19,054	0	0	0	0	59,424	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2014 - 19 CTP: Cost decreased by \$4.0 million due to revised cost estimating procedures.



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 in 1985.

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

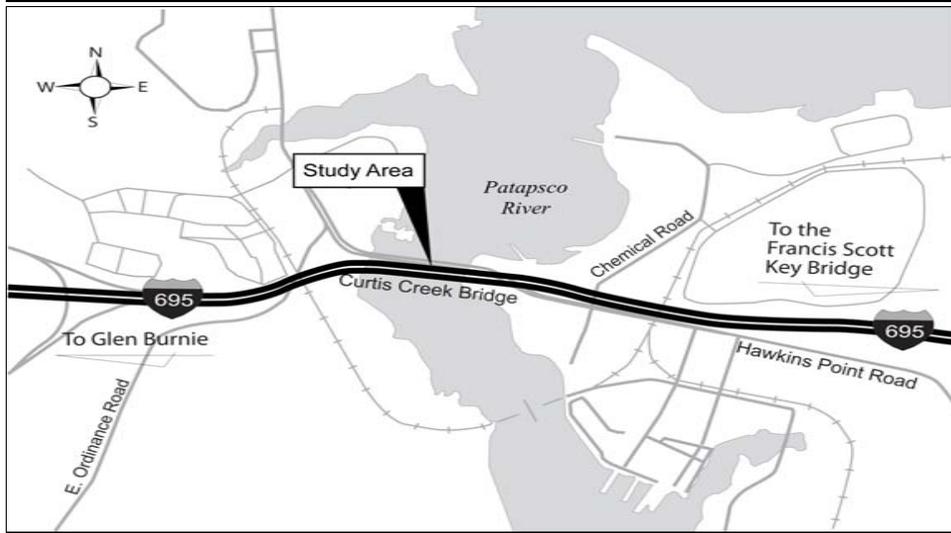
ASSOCIATED IMPROVEMENTS: None.

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 complete. Construction is underway.

<u>POTENTIAL FUNDING SOURCE:</u>										
<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 2014			2015	20162017.....2018.....			.....2019.....	.....2020.....
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	1,150	1,150	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	16,111	0	7,955	8,056	100	0	0	0	16,111	0
Total	17,261	1,150	7,955	8,056	100	0	0	0	16,111	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2014 - 19 CTP: Cost decreased by \$3.4 million to reflect actual bid price.



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 not 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:

- | | |
|---|--|
| <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 |

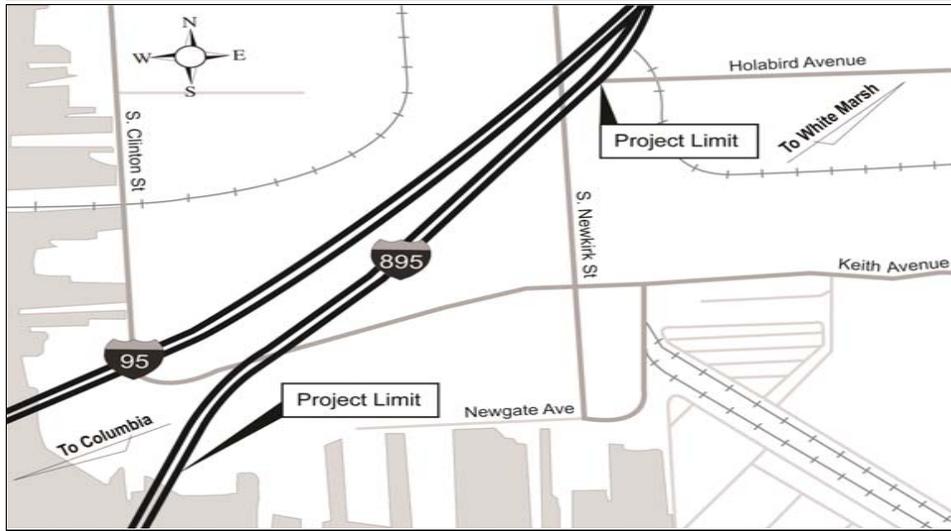
ASSOCIATED IMPROVEMENTS: None.

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

STATUS: Engineering is complete. Construction is scheduled to begin in FY 2015.

SIGNIFICANT CHANGE FROM FY 2014 - 19 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 FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2014	CURRENT YEAR 2015	BUDGET YEAR 2016	.....2017.....	.....2018.....	.....2019.....	.....2020.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	100	100	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	5,330	0	1,065	2,665	1,600	0	0	0	5,330	0
Total	5,430	100	1,065	2,665	1,600	0	0	0	5,330	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0



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 the MDTA's only Structurally Deficient bridge.

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

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

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

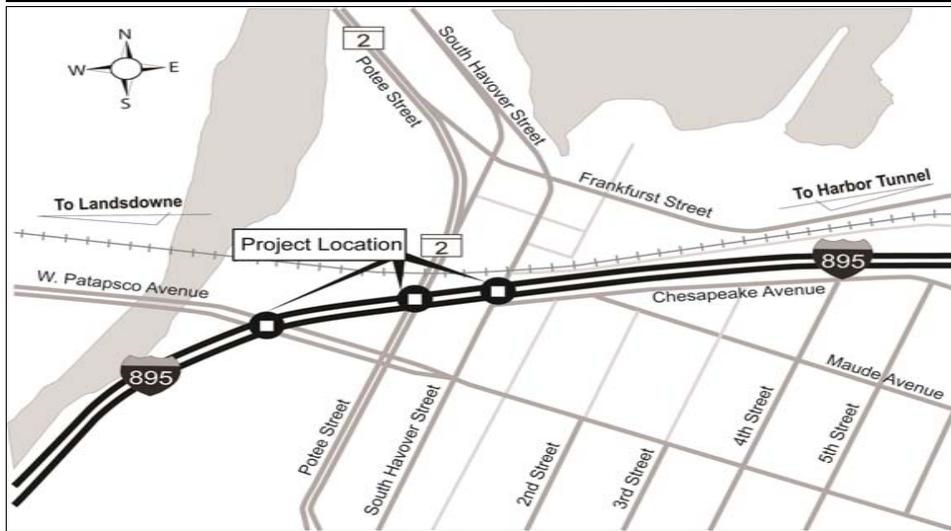
ASSOCIATED IMPROVEMENTS:

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

STATUS: Engineering and right-of-way are underway. Construction is scheduled to begin in FY 2016.

SIGNIFICANT CHANGE FROM FY 2014 - 19 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 2014	CURRENT YEAR 2015	BUDGET YEAR 2016	FOR PLANNING PURPOSES ONLY					
					.....2017.....	.....2018.....	.....2019.....	.....2020.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	8,735	7,835	315	108	250	195	32	0	900	0
Right-of-way	10,920	190	5,270	5,460	0	0	0	0	10,730	0
Construction	162,497	159	0	19,900	72,000	60,000	10,438	0	162,338	0
Total	182,152	8,184	5,585	25,468	72,250	60,195	10,470	0	173,968	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0



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:

- | | |
|---|--|
| <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 |

ASSOCIATED IMPROVEMENTS:

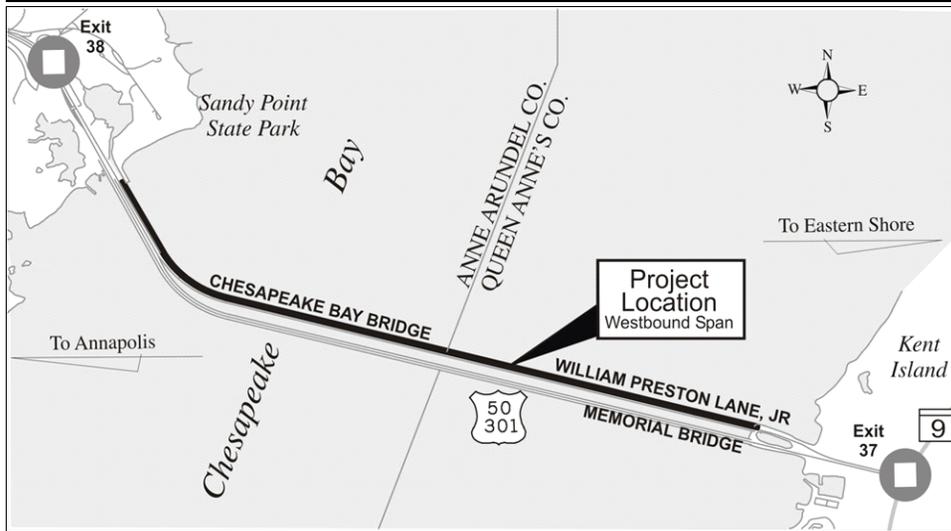
I-895 Baltimore Harbor Tunnel Thruway - Replace Canton Viaduct - Construction Program (Line 9)

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

STATUS: Engineering is complete. Construction is underway.

SIGNIFICANT CHANGE FROM FY 2014 - 19 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 FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2014	CURRENT YEAR 2015	BUDGET YEAR 2016	.....2017....	.....2018....	.....2019....	.....2020....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	1,181	1,181	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	11,236	9,225	2,011	0	0	0	0	0	2,011	0
Total	12,417	10,406	2,011	0	0	0	0	0	2,011	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0



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:

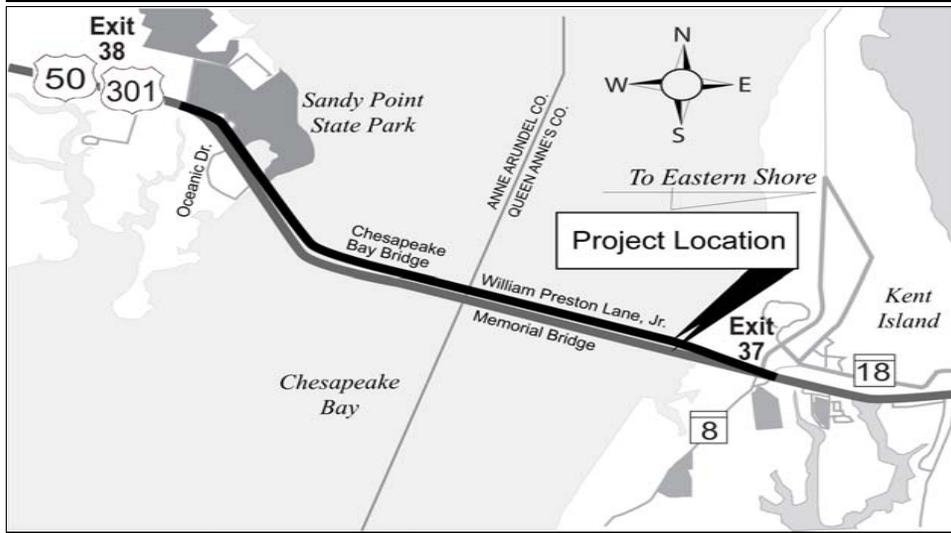
- US 50/301 Bay Bridge - Cable Rewrapping & Dehumidification - Construction Program (Line 12)
- US 50/301 Bay Bridge - Rehab Suspension Spans Westbound Bridge - Constr. Prog. (Line13)
- US 50/301 Bay Bridge - Structural Repairs and Misc. Modifications - Constr. Program (Line 14)
- US 50/301 Bay Bridge - Rehab EB Bridge Deck - Development and Evaluation Program (Line 22)

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

POTENTIAL FUNDING SOURCE:		<input type="checkbox"/> SPECIAL	<input type="checkbox"/> FEDERAL	<input type="checkbox"/> GENERAL	<input checked="" type="checkbox"/> OTHER					SIX	BALANCE
PHASE	TOTAL ESTIMATED COST (\$000)	THRU 2014	CURRENT YEAR 2015	BUDGET YEAR 2016	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				YEAR TOTAL	TO COMPLETE	
					.....2017.....	.....2018.....	.....2019.....	.....2020.....		
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	573	498	75	0	0	0	0	0	75	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	71,855	49,036	22,819	0	0	0	0	0	22,819	0	
Total	72,428	49,534	22,894	0	0	0	0	0	22,894	0	
Federal-Aid	0	0	0	0	0	0	0	0	0	0	

SIGNIFICANT CHANGE FROM FY 2014 - 19 CTP: Cost decreased by \$3.6 million due to revised cost estimating procedures.

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.

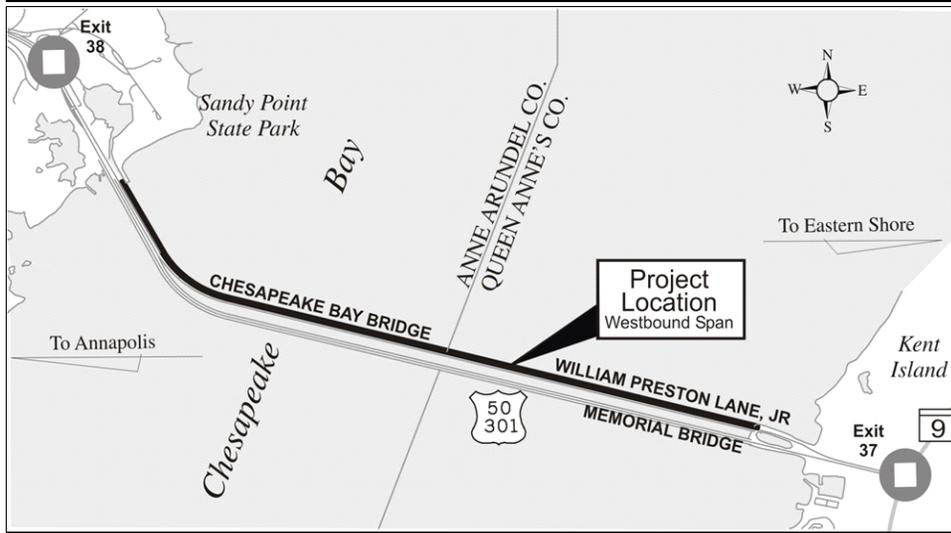
ASSOCIATED IMPROVEMENTS:

- US 50/301 Bay Bridge - Clean and Paint Structural Steel WB Bridge - Constr. Program (Line 11)
- US 50/301 Bay Bridge - Rehab Suspension Spans Westbound Bridge - Constr. Prog. (Line13)
- US 50/301 Bay Bridge - Structural Repairs and Misc. Modifications - Constr. Program (Line 14)
- US 50/301 Bay Bridge - Rehab EB Bridge Deck - Development and Evaluation Program (Line 22)

STATUS: Engineering is complete. Construction is underway.

PHASE	TOTAL ESTIMATED COST (\$000)		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	EXPEND THRU 2014	EXPEND 2015			2016	2017	2018	2019			2020
Planning	0	0	0	0	0	0	0	0	0	
Engineering	3,269	3,269	0	0	0	0	0	0	0	
Right-of-way	0	0	0	0	0	0	0	0	0	
Construction	48,269	32,322	15,627	80	80	80	80	0	15,947	
Total	51,538	35,591	15,627	80	80	80	80	0	15,947	
Federal-Aid	0	0	0	0	0	0	0	0	0	

SIGNIFICANT CHANGE FROM FY 2014 - 19 CTP: Cost decreased by \$2.5 million due to revised cost estimating procedures.



PROJECT: US 50/301 Bay Bridge - Rehabilitate Suspension Spans Westbound Bridge

DESCRIPTION: Rehabilitate the suspension spans on the westbound Bay Bridge, including work on the suspension cables, the bridge superstructure, substructure and bearings.

PURPOSE & NEED SUMMARY STATEMENT: The main suspension cable investigation at the westbound Chesapeake Bay Bridge found areas with varying degrees of wear. The installation of supplemental cables will maintain long-term serviceability of the suspension system. Additionally, signs of wear were found during the routine inspections of structural components of the suspended spans that will be repaired to extend the useful life of the components.

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 installation of supplemental cables will maintain long-term serviceability of the suspension system. Repairs to areas showing signs of wear will extend the useful life of the components.

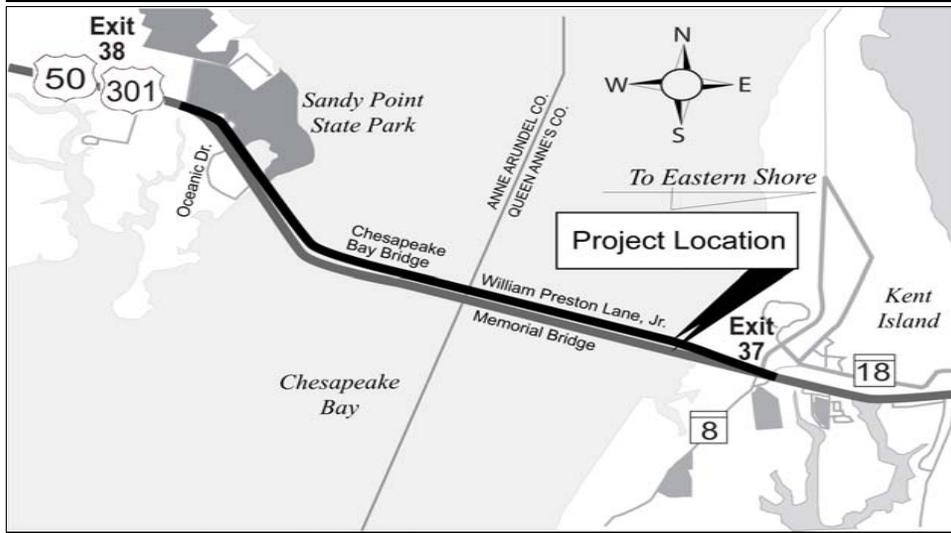
ASSOCIATED IMPROVEMENTS:

- US 50/301 Bay Bridge - Clean and Paint Structural Steel WB Bridge - Constr. Program (Line 11)
- US 50/301 Bay Bridge - Cable Rewrapping & Dehumidification - Construction Program (Line 12)
- US 50/301 Bay Bridge - Structural Repairs and Misc. Modifications - Constr. Program (Line 14)
- US 50/301 Bay Bridge - Rehab EB Bridge Deck - Development and Evaluation Program (Line 22)

STATUS: Engineering is underway. Construction is scheduled to begin in FY 2016.

SIGNIFICANT CHANGE FROM FY 2014 - 19 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 ESTIMATED COST (\$000)	EXPEND THRU 2014	CURRENT YEAR 2015	BUDGET YEAR 2016	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
					.....2017.....	.....2018.....	.....2019.....	.....2020.....		
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	3,200	575	800	1,120	600	105	0	0	2,625	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	44,000	0	0	18,400	21,000	4,600	0	0	44,000	0	
Total	47,200	575	800	19,520	21,600	4,705	0	0	46,625	0	
Federal-Aid	0	0	0	0	0	0	0	0	0	0	



PROJECT: US 50/301 Bay Bridge - Structural Repairs and Misc. Modifications

DESCRIPTION: This project includes structural concrete and steel repairs to eastbound and westbound Bay Bridges. Bid specific work addresses priority repairs with an emphasis on minimizing lane closures with the use of rigging and barge-mounted man lifts.

PURPOSE & NEED SUMMARY STATEMENT: The routine inspections of the eastbound and westbound Bay Bridges found areas of the structural steel, concrete, and deck joints with signs of wear. Repairs to these components will extend the useful life of the components.

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: This project will repair areas of wear and extend the useful life of the components.

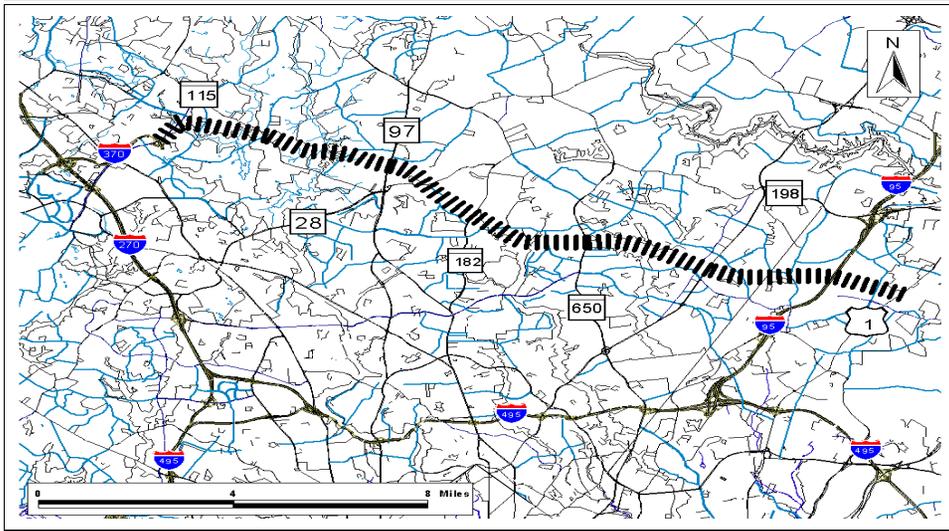
ASSOCIATED IMPROVEMENTS:

- US 50/301 Bay Bridge - Clean and Paint Structural Steel WB Bridge - Constr. Program (Line 11)
- US 50/301 Bay Bridge - Cable Rewrapping & Dehumidification - Construction Program (Line 12)
- US 50/301 Bay Bridge - Rehab Suspension Spans Westbound Bridge - Constr. Prog. (Line 13)
- US 50/301 Bay Bridge - Rehab EB Bridge Deck - Development and Evaluation Program (Line 22)

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

SIGNIFICANT CHANGE FROM FY 2014 - 19 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 ESTIMATED COST (\$000)	EXPEND THRU 2014	CURRENT YEAR 2015	BUDGET YEAR 2016	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
					.....2017.....	.....2018.....	.....2019.....	.....2020.....		
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	375	300	25	25	25	0	0	0	75	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	12,000	0	982	3,994	3,994	3,030	0	0	12,000	0	
Total	12,375	300	1,007	4,019	4,019	3,030	0	0	12,075	0	
Federal-Aid	0	0	0	0	0	0	0	0	0	0	



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:

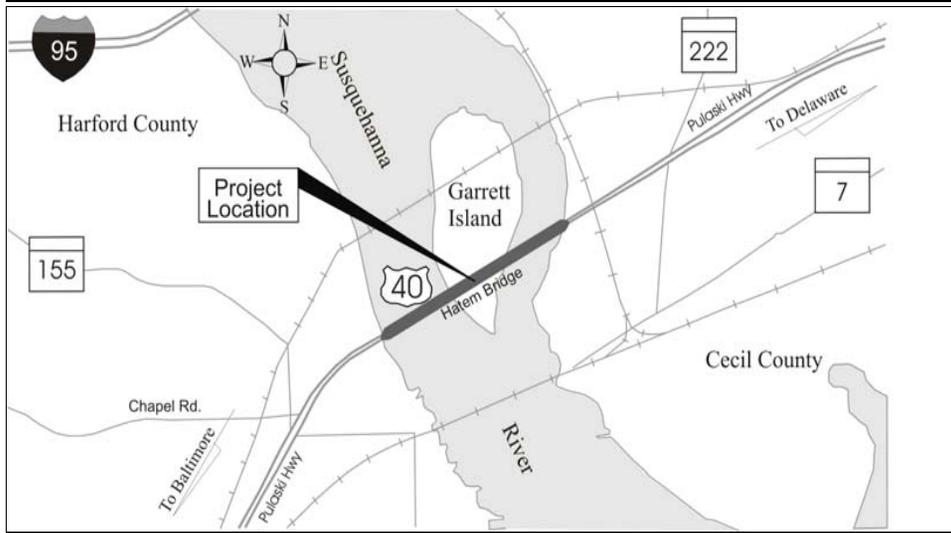
- US 29 Interchanges (Lines 15, 16 Montgomery County - SHA)
- MD 28/MD 198, MD 97 to I-95 (Line 18, Montgomery County - SHA)
- I-95/Contee Road Interchange (Line 1, Prince George's County - SHA)
- MD 201 Extended/US 1, I-95/I-495 to N. of Muirkirk Road (Line 27, Prince George's County - SHA)

STATUS: Planning, engineering and right-of-way are complete. Construction is 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 2014 - 19 CTP: None.

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	TOTAL ESTIMATED COST (\$000)	ESTIMATED EXPEND THRU 2014	CURRENT YEAR 2015	BUDGET YEAR 2016	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				YEAR TOTAL	TO COMPLETE	
					.....2017.....	.....2018.....	.....2019.....	.....2020.....		
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	246,000	246,000	0	0	0	0	0	0	0	0	
Construction	2,036,518	1,977,219	56,799	2,500	0	0	0	0	59,299	0	
Total	2,386,588	2,327,289	56,799	2,500	0	0	0	0	59,299	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.
1982



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:

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

ASSOCIATED IMPROVEMENTS:

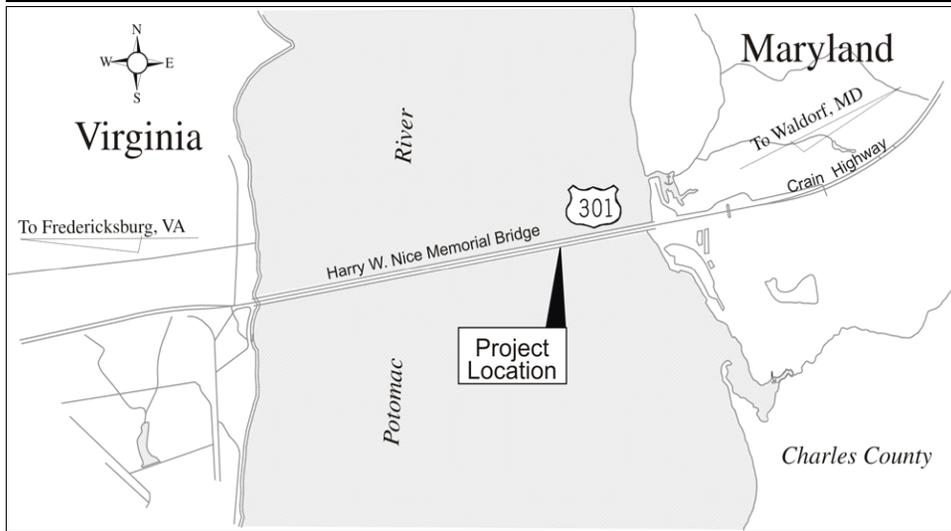
US 40 Thomas J. Hatem Memorial Bridge - Convert to All Electronic Tolling and Rehabilitate Approach Roadways - Development and Evaluation Program (Line 23)

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

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 FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2014	CURRENT YEAR 2015	BUDGET YEAR 2016	.....2017.....	.....2018.....	.....2019.....	.....2020.....		
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	44,663	40,349	4,314	0	0	0	0	0	4,314	0
Total	46,876	42,562	4,314	0	0	0	0	0	4,314	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2014 - 19 CTP: Cost decreased by \$2.4 million due to revised cost estimating procedures.



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 21)

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

STATUS: Engineering is complete. Construction is underway.

SIGNIFICANT CHANGE FROM FY 2014 - 19 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 2014	CURRENT YEAR 2015	BUDGET YEAR 2016	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY		
					.....2017.....	.....2018.....	.....2019.....	.....2020.....		
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	12,076	6,927	5,149	0	0	0	0	0	5,149	0
Total	12,714	7,565	5,149	0	0	0	0	0	5,149	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0



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 2014			2015	20162017.....2018.....			.....2019.....	.....2020.....
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	10,745	8,483	663	504	504	591	0	0	2,262	0
Total	11,357	9,095	663	504	504	591	0	0	2,262	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2014 - 19 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 complete. Construction is scheduled to begin in FY 2015.

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 2014			2015	20162017....2018....			....2019....	....2020....
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	500	500	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	13,750	0	3,762	4,583	4,583	822	0	0	13,750	0
Total	14,250	500	3,762	4,583	4,583	822	0	0	13,750	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2014 - 19 CTP: Cost increased by \$3.8 million due to scope changes including the addition of extensive shoring for the scale pits, a dynamic message sign, software, bonding and a higher mobilization rate to reflect number of sites (6).



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 |

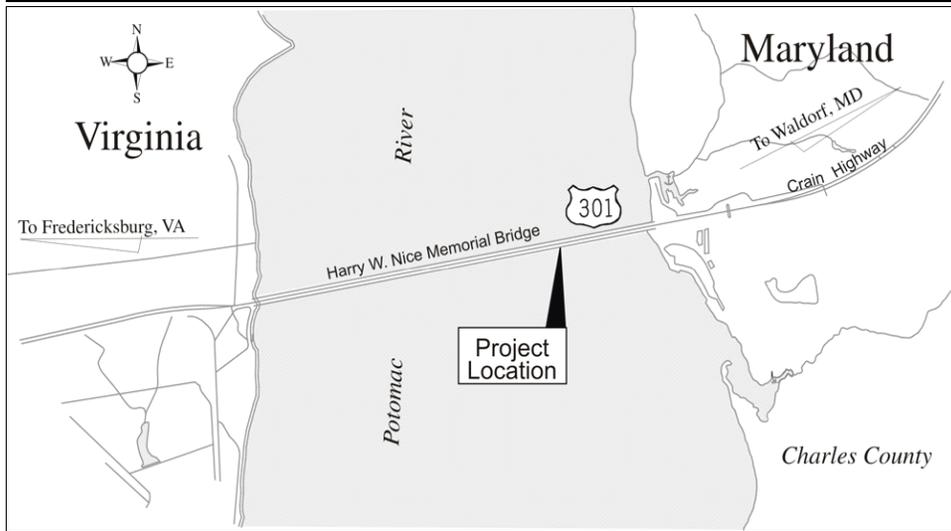
ASSOCIATED IMPROVEMENTS: None.

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 scheduled to begin in FY 2016.

SIGNIFICANT CHANGE FROM FY 2014 - 19 CTP: None.

PHASE	POTENTIAL FUNDING SOURCE: <input type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER									
	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2014	CURRENT YEAR 2015	BUDGET YEAR 2016	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					....2017....	....2018....	....2019....	....2020....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	9,418	3,297	1,530	1,530	1,530	1,531	0	0	6,121	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	77,349	0	0	9,105	15,609	16,643	12,474	12,474	66,305	11,044
Total	86,767	3,297	1,530	10,635	17,139	18,174	12,474	12,474	72,426	11,044
Federal-Aid	0	0	0	0	0	0	0	0	0	0



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

DESCRIPTION: Preliminary engineering and right-of-way acquisition for the replacement of the current bridge with a new 4-lane 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.

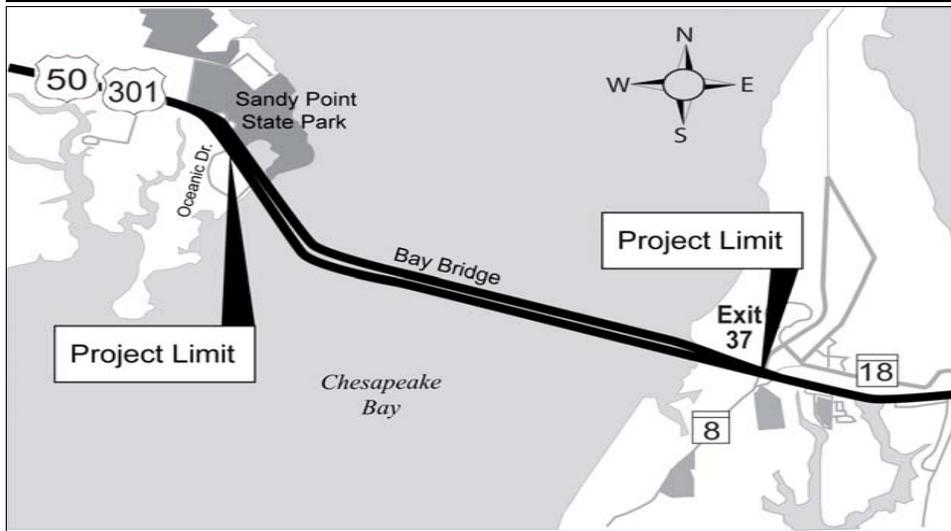
ASSOCIATED IMPROVEMENTS:

US 301 Harry W. Nice Memorial Bridge - Clean and Paint Structural Steel and Miscellaneous Structural Repairs - Construction Program (Line 17)

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

SIGNIFICANT CHANGE FROM FY 2014 - 19 CTP: None.

POTENTIAL FUNDING SOURCE:										
<input type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input checked="" type="checkbox"/> OTHER										
PHASE	TOTAL ESTIMATED EXPEND		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	COST (\$000)	THRU 2014			2015	20162017.....2018.....			.....2019.....	.....2020.....
Planning	5,295	5,295	0	0	0	0	0	0	0	0
Engineering	26,305	550	2,855	7,600	7,700	7,600	0	0	25,755	0
Right-of-way	30,000	0	500	5,500	8,600	8,900	6,500	0	30,000	0
Construction	0	0	0	0	0	0	0	0	0	0
Total	61,600	5,845	3,355	13,100	16,300	16,500	6,500	0	55,755	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0



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

DESCRIPTION: Preliminary engineering for the rehabilitation and/or replacement of 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.

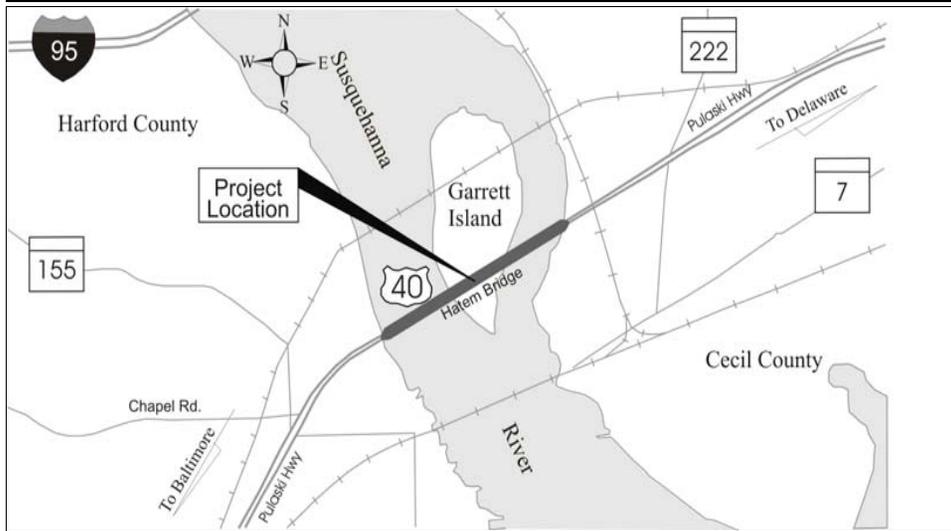
ASSOCIATED IMPROVEMENTS:

- US 50/301 Bay Bridge - Clean and Paint Structural Steel WB Bridge - Constr. Program (Line 11)
- US 50/301 Bay Bridge - Cable Rewrapping & Dehumidification - Construction Program (Line 12)
- US 50/301 Bay Bridge - Rehab Suspension Spans Westbound Bridge - Constr. Prog. (Line13)
- US 50/301 Bay Bridge - Structural Repairs and Misc. Modifications - Constr. Program (Line 14)

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 2014	CURRENT YEAR 2015	BUDGET YEAR 2016	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	10,700	642	5,158	4,900	0	0	0	0	10,058	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	642	5,158	4,900	0	0	0	0	10,058	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2014 - 19 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.

JUSTIFICATION: 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.

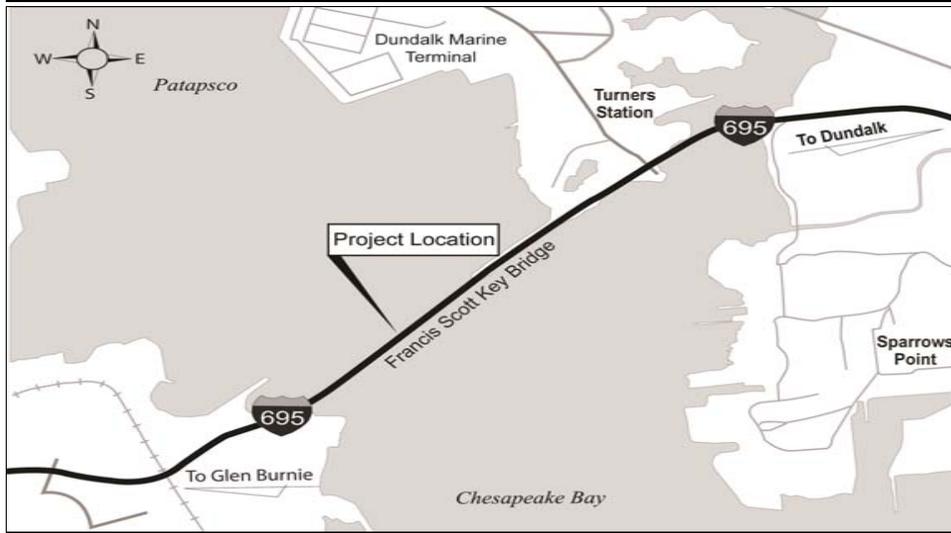
ASSOCIATED IMPROVEMENTS:

US 40 Thomas J. Hatem Memorial Bridge - Underwater Repairs - Construction Program (Line 16)

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	EXPEND THRU 2014	CURRENT YEAR 2015	BUDGET YEAR 2016	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)				.....2017.....	.....2018.....	.....2019.....	.....2020.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	1,816	1,116	700	0	0	0	0	0	700	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	1,816	1,116	700	0	0	0	0	0	700	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2014 - 19 CTP: Cost decreased by \$9.0 million due to removal of construction funding to allow for the AET follow-up study required by HB384 passed during the 2014 legislative session.



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 Paint Approach Spans on Bridges over Curtis Creek - Construction Program (Line 8)

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		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2014			2015	20162017.....2018.....			.....2019.....	.....2020.....
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	2,000	1,112	444	444	0	0	0	0	888	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	1,112	444	444	0	0	0	0	888	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2014 - 19 CTP: None.

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSPORTATION AUTHORITY - LINE 25

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
	<u>FY 2015 and Prior</u>		
	<u>BALTIMORE HARBOR TUNNEL</u>		
1	Clean and Paint Structural Steel on Various Bridges - Phase II (2255)	4,429	Complete
2	Zone Paint Various Bridges (2279)	2,412	Complete
3	Canton & Fairfield Vent Building Envelope & Evase Repairs (Engineering only) (2306)	1,050	Underway
4	Replace Deck and Superstructure of Bridge over Patapsco Flats (Engineering only) (2292)	1,700	Underway
5	Replace Vent Fans (Engineering only) (2263)	1,730	Underway
6	Rehab Structure of Various Bridges on I-895 from I-95 to I-695 (Engineering only) (2372)	750	Underway
7	Rehab Structure of Various Bridges on I-895 from North of Tunnel to I-95 (Engineering only) (2371)	500	Underway
8	Rehab Structure of Various Bridges on I-895 Spur and North of I-695 to Tunnel (Engineering only) (2370)	500	Underway
9	Rehabilitate Tunnel Standpipe and Sump Pump Systems (Engineering only) (2363)	500	Underway
10	Replace HVAC at Administration Building (2308)	3,252	Fall, 2014
11	Rehabilitate K-Truss Approach Spans (2334)	5,370	Spring, 2015
12	Repaint Harbor Tunnel Switchgear Enclosures (2330)	860	Spring, 2015
	<u>F.S.KEY BRIDGE</u>		
13	Reconstruct Service Road #3 (2234)	2,581	Complete
14	Clean and Paint Structural Steel at Bear Creek Bridges (2252)	4,066	Underway
15	Replace HVAC at FSK Campus and OEC Building Roof (Engineering only) (2319)	323	Underway
16	Overlay Bridge Decks over Dock Road and CSXT (4 Bridges) (2327)	6,100	Spring, 2015
17	Replace Underground Storage Tanks with Vaulted Storage Tank (2202)	1,927	Spring, 2015
	<u>FORT MCHENRY TUNNEL</u>		
18	Repair Hanover Street Ramp (2157)	1,617	Complete
19	Replace Administration Building Generator (2138)	366	Complete
20	Replace Dynamic Message Signs and Lane Use Signals with LED Based Technology (1463)	3,138	Complete
21	Replace Roof of Maintenance Building (2301)	841	Complete
22	Repair Vent Fans (Engineering only) (2251)	499	Underway

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSPORTATION AUTHORITY - LINE 25 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
<u>FY 2015 and Prior (cont'd)</u>			
<u>FORT MCHENRY TUNNEL (cont'd)</u>			
23	Replace or Rehabilitate Tunnel Lighting System (Engineering only) (2269)	500	Underway
24	Replace Salt Barn (Engineering only) (2299)	175	Underway
25	Replace HVAC at Administration Building, Maintenance Building and Emergency Garages (2285)	2,321	Underway
26	Zone Paint Various Bridges North of Tunnel (2256)	5,925	Underway
27	FMT West Vent Building Settlement and Building Repairs (Engineering only) (2357)	150	Underway
28	Improve Landscaping (2352)	485	Underway
29	Install Fresh Air Duct Lighting (Engineering only) (2367)	100	Underway
30	Renovate 5th Floor at East Vent Building (Engineering only) (2364)	500	Underway
31	Replace Generator at Maintenance Building (2348)	439	Underway
32	Modify I-95 and I-395 Superstructure and Piers (2354)	6,800	Spring, 2015
33	Rehabilitate Four Bridges on I-95 over Herring Run and CSX (2333)	4,222	Spring, 2015
<u>HATEM BRIDGE</u>			
34	Rehabilitate Substructure and Superstructure of Thomas J. Hatem Memorial Bridge (Engineering only) (2368)	1,000	Underway
35	Remove Underground Storage Tanks and Replace Oil Water Separator (2222)	496	Fall, 2014
36	Replace HVAC at Administration Building and Scale Houses (2303)	956	Fall, 2014
<u>KENNEDY HIGHWAY</u>			
37	Clean and Paint Structural Steel on Various Bridges - Phase II (2257)	6,110	Complete
38	Overlay Deck & Repair - Bouchelle Road & MD 213 Bridges over I-95 (2275)	2,044	Complete
39	Renovate HVAC System at Administration Building (2272)	804	Complete
40	Land Acquisition and Equipment to Support I-95 Improvements (2136)	5,033	Underway
41	Zone Paint Various Bridges - Phase III (2281)	3,551	Underway
42	Replace Underground Storage Tank with Aboveground Storage Tank-Maintenance 1 (2218)	899	Underway
43	Clean and Zone Paint Tydings Bridge (2313)	9,439	Fall, 2014
44	Travel Time System (2373)	817	Fall, 2014

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSPORTATION AUTHORITY - LINE 25 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
<u>FY 2015 and Prior (cont'd)</u>			
<u>KENNEDY HIGHWAY (cont'd)</u>			
45	Rehab Corrugated Pipe Culverts (2359)	1,035	Spring, 2015
46	Replace Light Poles North of ETL into Cecil County (2323)	8,300	Spring, 2015
47	Replace Navigational Lighting on the Tydings Bridge (2332)	425	Spring, 2015
<u>MULTI-AREA</u>			
48	On-Call Furnishing and Installation of Camera and Compressor-Decompressor (CODEC) Equipment (2014)	4,362	Complete
49	Furnish and Install Radiax Cable within Tunnels (2156)	1,838	Complete
50	On-Call Structural Repairs and Miscellaneous Modifications (2176)	14,170	Complete
51	Repair and Modify Miscellaneous Roadway Lighting (1913)	5,277	Complete
52	Fatigue Retrofits for Various Structures (2219)	1,330	Complete
53	Law Enforcement Computer-Aided Dispatch/Records Mgmt/Auto Field Report/Auto Veh Locator System Plan (2324)	9,152	Complete
54	Overlay Bridge Decks and Misc. Repairs of I-895A Ramp over I-895B and Quarantine Road over I-695 (2270)	3,520	Complete
55	Replace Roofs at JFK and Hatem Bridge Campuses (2241)	1,823	Complete
56	Evaluate Condition of Deck, Superstructure & Substructures All Facilities (Engineering only) (2083)	1,629	Underway
57	Install E-ZPass Back-Up Site (Engineering only) (2225)	100	Underway
58	Replace Navigational Lighting Systems at Francis Scott Key, Nice Memorial and Bay Bridges (2074)	2,787	Underway
59	On-Call Miscellaneous Electrical Repairs (2236)	1,810	Underway
60	On-Call Structural Repairs and Miscellaneous Modifications (2254)	14,908	Underway
61	Deck Sealing and Miscellaneous Repairs to Bridges on I-95 and I-695 (Engineering only) (2326)	200	Underway
62	Implement Video Citation Process (2294)	3,950	Underway
63	On-Call Facility/Building Repairs (2240)	2,309	Underway
64	On-Call Miscellaneous Paving Repairs (2335)	7,686	Underway
65	On-Call Structural Repairs and Miscellaneous Modifications (2291)	11,129	Underway
66	On-Call Structural Repairs and Miscellaneous Modifications (2296)	7,710	Underway
67	On-Call Total Maximum Daily Load (TMDL) Storm Water Retrofits on JFK and BHT (2290)	4,557	Underway
68	Remove, Replace and Upgrade Sign Structures - Northern Region (Engineering only) (2289)	850	Underway

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSPORTATION AUTHORITY - LINE 25 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
<u>FY 2015 and Prior (cont'd)</u>			
<u>MULTI-AREA (cont'd)</u>			
69	Total Maximum Daily Load (TMDL) Storm Water Retrofits (Engineering only) (2346)	400	Underway
70	Furnish and Install License Plate Recognition Systems (2360)	1,723	Underway
71	On-Call Shotcrete Repairs and Miscellaneous Modifications (2297)	9,435	Underway
72	On-Call Sign Structures (2298)	2,882	Underway
73	Replace Generators at JFK, WPL, BHT and FSK (2265)	2,281	Underway
74	Replace Toll Booths at Bay Bridge and Fort McHenry Tunnel (2276)	4,813	Underway
75	Total Maximum Daily Load (TMDL) Storm Water Retrofits (2300)	7,994	Underway
76	Upgrade Fire Alarm and Security Systems (Engineering only) (2358)	384	Underway
77	Allocated Long Range Capital Needs Reserve (2325)	1,887	Ongoing
78	Equipment Budget (1702)	6,420	Ongoing
79	Install Ten Virtual Weigh Stations at JFK, TJH, FMT, BHT and FSK (2073)	6,720	Fall, 2014
80	On-Call Structural and Concrete Repairs and Misc. Modifications (2353)	29,094	Fall, 2014
81	Furnish, Deliver and Commission DMS (2229)	1,439	Spring, 2015
82	On-Call Drainage and Stormwater Remediation (2366)	3,860	Spring, 2015
83	On-Call Electrical and ITS (2345)	4,766	Spring, 2015
<u>NICE BRIDGE</u>			
84	Replace Generators at Administration and Maintenance Buildings (2328)	683	Complete
85	Replace Roofs of Administration and Maintenance Buildings and Rehab Roof of Metal Storage Building (2302)	361	Complete
86	Replace Underground Storage Tanks with Aboveground Storage Tanks (2200)	550	Fall, 2014
<u>POINT BREEZE</u>			
87	Point Breeze - Second Floor Renovation (2295)	6,542	Underway
88	Replace Roof and Repair Brick Masonry at 2310 Point Breeze Building (2242)	1,606	Underway
89	Rehabilitate MDTA 2340 Building (2350)	1,953	Spring, 2015
90	Renovate MDTA Headquarters - 1st Floor (2356)	4,275	Spring, 2015

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSPORTATION AUTHORITY - LINE 25 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
<u>FY 2015 and Prior (cont'd)</u>			
<u>W. P. LANE BRIDGE</u>			
91	Replace Traffic System Controllers, Signals and Communications and Replace Cameras and Remount (0651)	8,710	Complete
92	Replace Existing DMS Near Bridge and Install New DMS - east of MD 404 (1914)	1,244	Complete
93	Install Four Isolation Points and Access Ladder - Eastbound Bay Bridge (2054)	1,080	Complete
94	Modify WPL Crossover and Resurface EB and WB Approaches (Engineering only) (2344)	391	Underway
95	Rehabilitate Metal Northrop/Grumman Building for Operations (2322)	590	Underway
96	Renovate Conduit Hangers - Both Spans (2267)	1,119	Underway
97	Replace 5KV Feeder on Eastbound Bay Bridge (Engineering only) (2329)	600	Underway
98	Furnish and Install Uninterruptible Power Supply (UPS) (2268)	679	Underway
99	Replace Acoustic Monitoring on Eastbound Bay Bridge (2341)	2,337	Underway
100	Replace HVAC at Bay Bridge Campus Buildings (Engineering only) (2362)	274	Underway
101	Seal Deck of WB Bay Bridge (Engineering only) (2369)	400	Underway
102	Modify WPL Lane Use System (2340)	1,049	Fall, 2014
103	Repair Toll Plaza Concrete Paving (2318)	4,550	Fall, 2014
<u>FY 2016</u>			
<u>MULTI-AREA</u>			
104	Allocated Long Range Capital Needs Reserve (2325)	94,349	Ongoing
105	Equipment Budget (1702)	3,280	Ongoing
106	System Preservation Allocated Reserve (1979)	68,579	Ongoing
107	System Preservation Unallocated Reserve (1981)	2,000	Ongoing
<u>POINT BREEZE</u>			
108	Rehabilitate Point Breeze Parking Lots and Access Road (2365)	834	Fall, 2015

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSPORTATION AUTHORITY - LINE 25 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
109	<p><u>FY 2016 (cont'd)</u></p> <p><u>W. P. LANE BRIDGE</u></p> <p>Replace Eastbound Bay Bridge Navigational Lighting (2347)</p>	1,456	Spring, 2016