

Maryland  
Transportation  
Authority



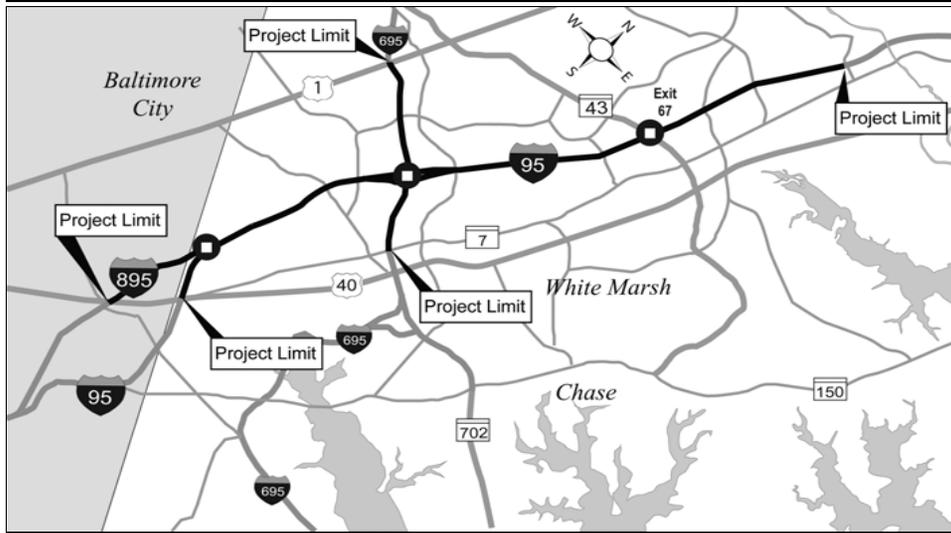
**MARYLAND TRANSPORTATION AUTHORITY**

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**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>
<b><u>Construction Program</u></b>							
Major Projects	394.3	231.8	75.4	79.7	60.2	10.5	851.9
System Preservation Minor Projects	129.8	182.0	235.5	284.5	273.0	249.2	1,353.9
<b><u>Development &amp; Evaluation Program</u></b>	<u>3.7</u>	<u>8.0</u>	<u>4.9</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>16.6</u>
<b>TOTAL</b>	527.8	421.8	315.8	364.1	333.2	259.7	2,222.5

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**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:

- Quality of Service
- System Preservation & Performance
- Connectivity for Daily Life
- Safety & Security
- Environmental Stewardship

**ASSOCIATED IMPROVEMENTS:**

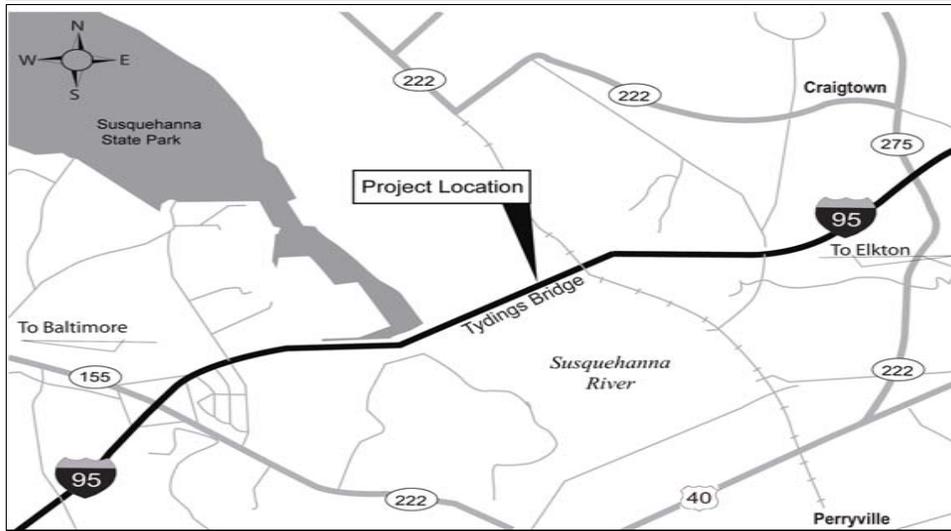
I-95 John F. Kennedy Memorial Highway - Resurfacing - Construction Program (Line 3)

**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.

**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	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	117,260	114,593	1,670	997	0	0	0	0	2,667	0
Right-of-way	44,015	43,015	1,000	0	0	0	0	0	1,000	0
Construction	910,496	711,716	116,140	71,962	10,678	0	0	0	198,780	0
<b>Total</b>	<b>1,077,803</b>	<b>875,356</b>	<b>118,810</b>	<b>72,959</b>	<b>10,678</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>202,447</b>	<b>0</b>
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:

- Quality of Service
- System Preservation & Performance
- Connectivity for Daily Life
- Safety & Security
- Environmental Stewardship

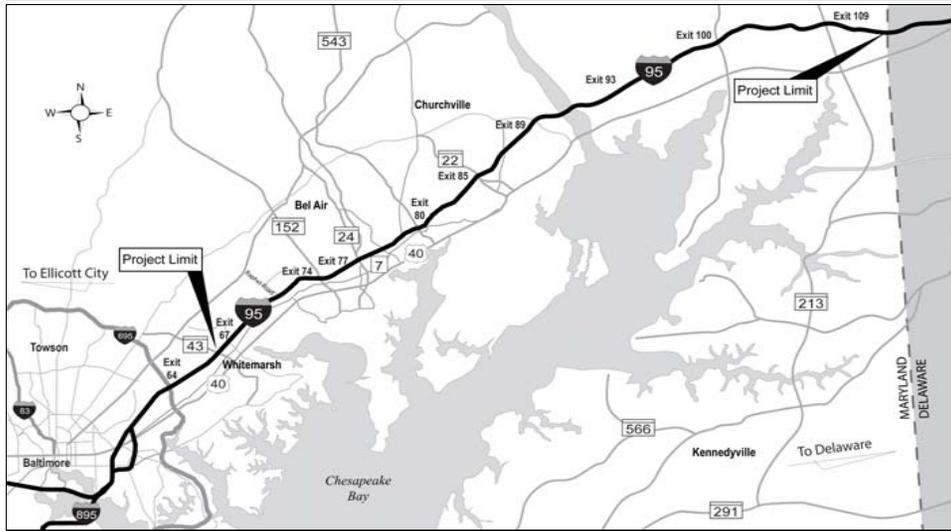
**ASSOCIATED IMPROVEMENTS:** None.

**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		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2013			2014	2015	.....2016.....	.....2017.....		
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	42,694	30,207	12,487	0	0	0	0	0	12,487	0
<b>Total</b>	<b>43,492</b>	<b>31,005</b>	<b>12,487</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,487</b>	<b>0</b>
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP:** None.



**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:

- Quality of Service
- System Preservation & Performance
- Connectivity for Daily Life
- Safety & Security
- Environmental Stewardship

**ASSOCIATED IMPROVEMENTS:**

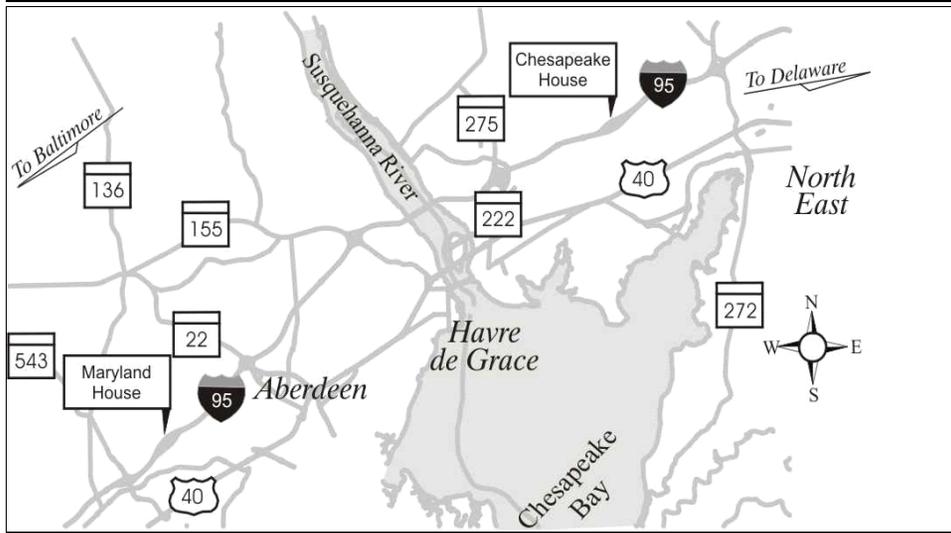
I-95 Express Toll Lanes - Construction Program (Line 1)

**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 for Phase I is complete. Construction is underway. Engineering for Phase II is underway. Construction is to begin in FY 2015.

**SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP:** Cost increased by \$23.8 million with the addition of Phase II.

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	375	250	125	0	0	0	0	0	125	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	36,853	5,712	7,641	23,402	98	0	0	0	31,141	0	
<b>Total</b>	<b>37,228</b>	<b>5,962</b>	<b>7,766</b>	<b>23,402</b>	<b>98</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>31,266</b>	<b>0</b>	
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 private-public 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:

- Quality of Service
- System Preservation & Performance
- Connectivity for Daily Life
- Safety & Security
- Environmental Stewardship

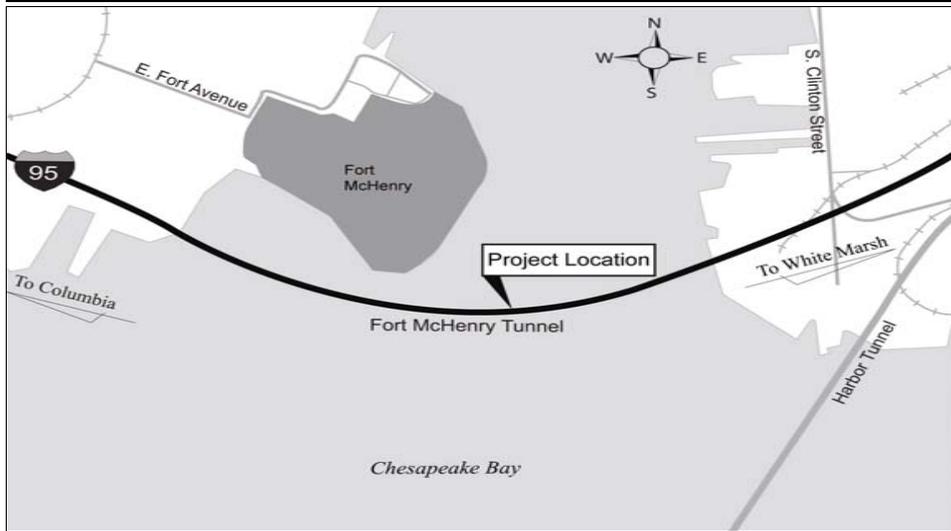
**ASSOCIATED IMPROVEMENTS:**  
None.

**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.

**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	2015	.....2016.....	.....2017.....			.....2018.....
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	250	250	0	0	0	0	0	0	0	0	
Construction	1,680	420	1,260	0	0	0	0	0	1,260	0	
<b>Total</b>	<b>6,274</b>	<b>5,014</b>	<b>1,260</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,260</b>	<b>0</b>	
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:

- Quality of Service
- System Preservation & Performance
- Connectivity for Daily Life
- Safety & Security
- Environmental Stewardship

**ASSOCIATED IMPROVEMENTS:**

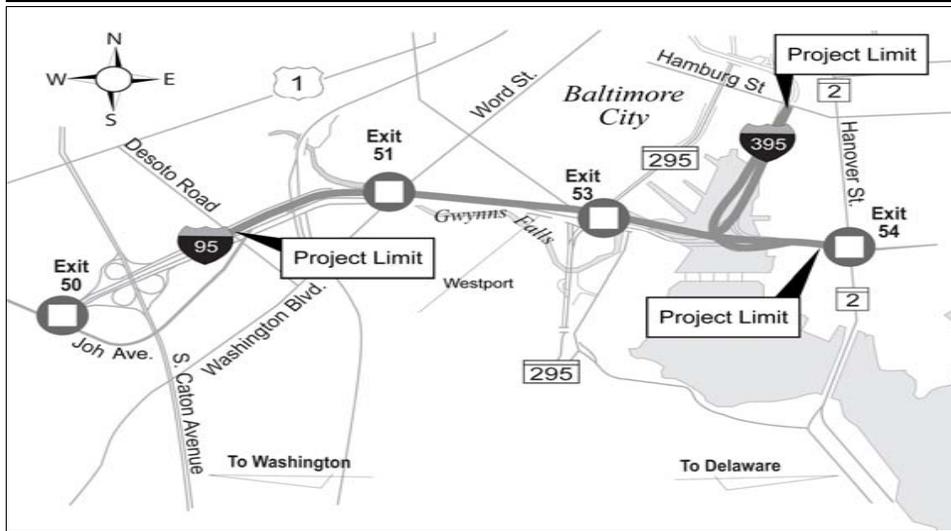
I-95/I-395 Fort McHenry Tunnel - Rehabilitate Decks, Repair Superstructure, Replace Joints, Zone Paint and Other Miscellaneous Repairs South of the Tunnel - Construction Program (Line 6)

**EXPLANATION:** The tunnel deck shows signs of wear. This improvement will extend the useful life of the tunnel deck.

**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	2015	.....2016....	.....2017....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	758	568	190	0	0	0	0	0	190	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	23,273	14,324	3,750	5,199	0	0	0	0	8,949	0
<b>Total</b>	<b>24,031</b>	<b>14,892</b>	<b>3,940</b>	<b>5,199</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,139</b>	<b>0</b>
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP:** Cost decreased by \$1.2 million due to termination of Contract B as Shotcrete line item was depleted faster than anticipated. Remaining work will be done under future Contract C.



**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:

- Quality of Service
- System Preservation & Performance
- Connectivity for Daily Life
- Safety & Security
- Environmental Stewardship

**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.

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)	CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
		2013	2014	2015	.....2016.....	.....2017.....	.....2018.....	.....2019.....	
Planning	0	0	0	0	0	0	0	0	0
Engineering	3,574	2,174	1,400	0	0	0	0	0	1,400
Right-of-way	0	0	0	0	0	0	0	0	0
Construction	113,816	5,106	18,305	58,957	31,448	0	0	0	108,710
<b>Total</b>	<b>117,390</b>	<b>7,280</b>	<b>19,705</b>	<b>58,957</b>	<b>31,448</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>110,110</b>
Federal-Aid	0	0	0	0	0	0	0	0	0

**SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP:** Cost increased by \$63.5 million to include 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:

- Quality of Service
- System Preservation & Performance
- Connectivity for Daily Life
- Safety & Security
- Environmental Stewardship

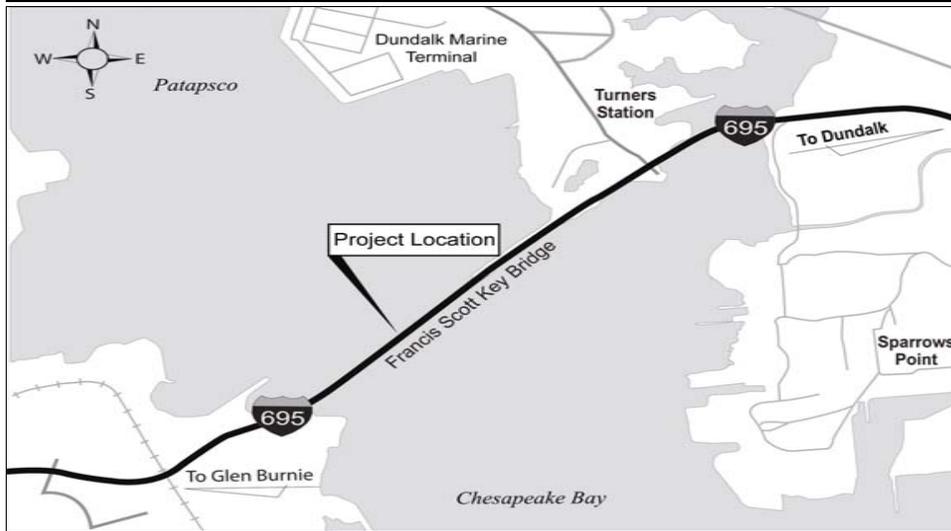
**ASSOCIATED IMPROVEMENTS:** None.

**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 2015	....2016....	....2017....			....2018....
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	1,000	698	302	0	0	0	0	0	302	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Construction	16,094	0	0	1,610	7,242	7,242	0	0	16,094	0	0
Total	17,094	698	302	1,610	7,242	7,242	0	0	16,396	0	0
Federal-Aid	0	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:

- Quality of Service
- System Preservation & Performance
- Connectivity for Daily Life
- Safety & Security
- Environmental Stewardship

**ASSOCIATED IMPROVEMENTS:**

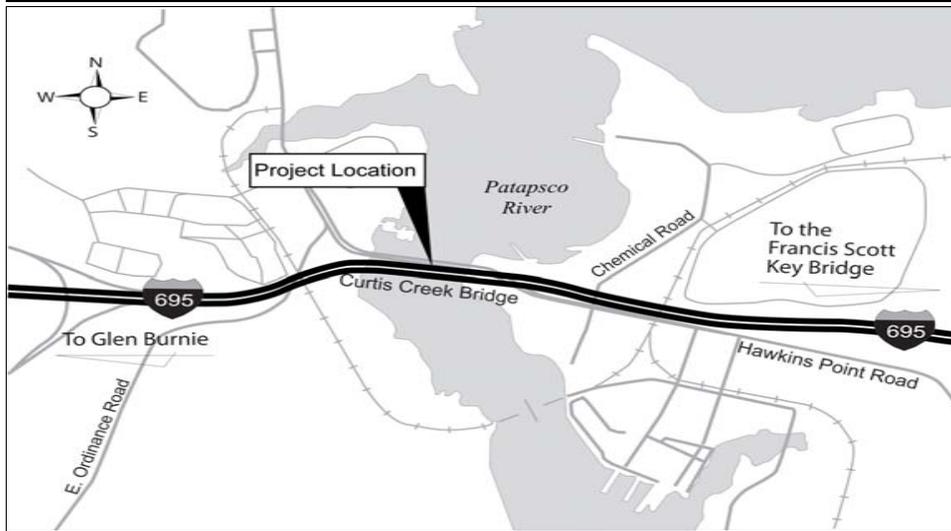
MD 695 Francis Scott Key Bridge - Clean and Paint Paint Approach Spans on Bridges over Curtis Creek - Construction Program (Line 9)

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

**STATUS:** Open to service.

**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	2015	.....2016....	.....2017....			.....2018....
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	245	245	0	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Construction	6,927	6,627	300	0	0	0	0	0	300	0	0
Total	7,172	6,872	300	0	0	0	0	0	300	0	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0	0



**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 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:

- Quality of Service
- System Preservation & Performance
- Connectivity for Daily Life
- Safety & Security
- Environmental Stewardship

**ASSOCIATED IMPROVEMENTS:**

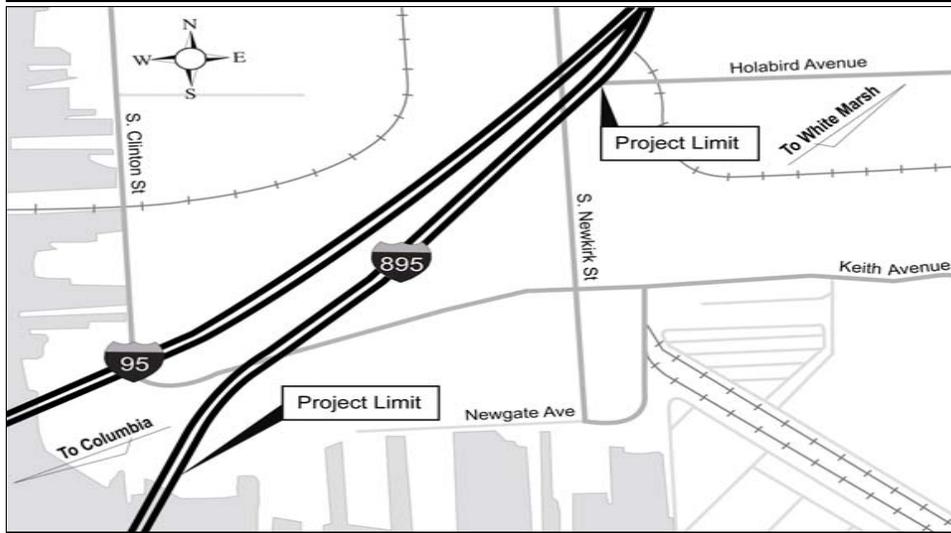
MD 695 Francis Scott Key Bridge - Clean and Paint Approach Spans to Francis Scott Key Bridge and Miscellaneous Repairs - Construction Program (Line 8)

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

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

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	100	30	30	20	20	0	0	0	70	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	11,370	0	2,000	6,000	3,370	0	0	0	11,370	0
<b>Total</b>	<b>11,470</b>	<b>30</b>	<b>2,030</b>	<b>6,020</b>	<b>3,390</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,440</b>	<b>0</b>
Federal-Aid	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:

- Quality of Service
- System Preservation & Performance
- Connectivity for Daily Life
- Safety & Security
- Environmental Stewardship

**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.

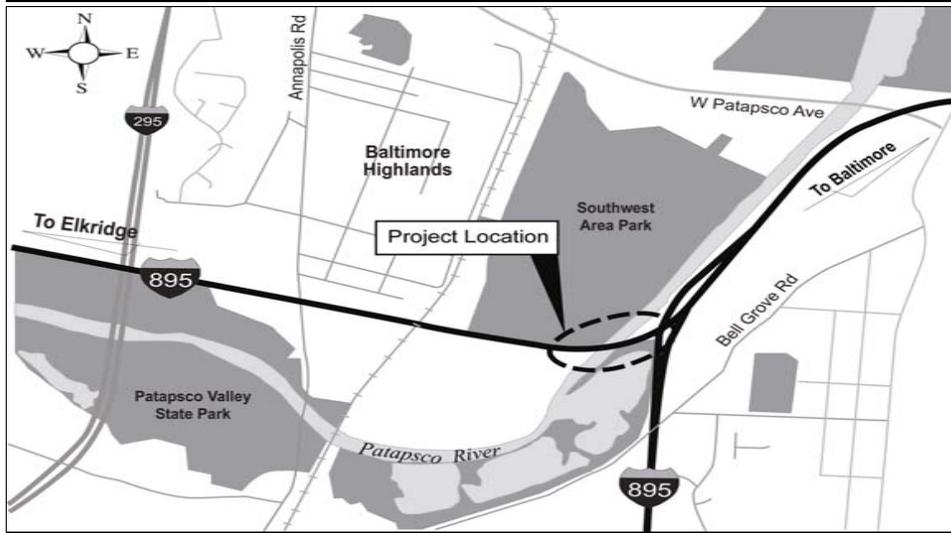
**ASSOCIATED IMPROVEMENTS:**

- 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 2014. 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	6,220	1,615	315	108	250	195	32	2,515	0
Right-of-way	10,920	0	5,460	5,460	0	0	0	0	10,920	0
Construction	162,497	59	0	0	20,000	72,000	60,000	10,438	162,438	0
<b>Total</b>	<b>182,152</b>	<b>6,279</b>	<b>7,075</b>	<b>5,775</b>	<b>20,108</b>	<b>72,250</b>	<b>60,195</b>	<b>10,470</b>	<b>175,873</b>	<b>0</b>
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:

- Quality of Service
- System Preservation & Performance
- Connectivity for Daily Life
- Safety & Security
- Environmental Stewardship

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

**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)

**STATUS:** Open to service.

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 2013	CURRENT YEAR 2014	BUDGET YEAR 2015	.....2016....	.....2017....	.....2018....	.....2019....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	607	607	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	2,475	2,475	0	0	0	0	0	0	0	0
<b>Total</b>	<b>3,082</b>	<b>3,082</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Federal-Aid	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:

- Quality of Service
- System Preservation & Performance
- Connectivity for Daily Life
- Safety & Security
- Environmental Stewardship

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

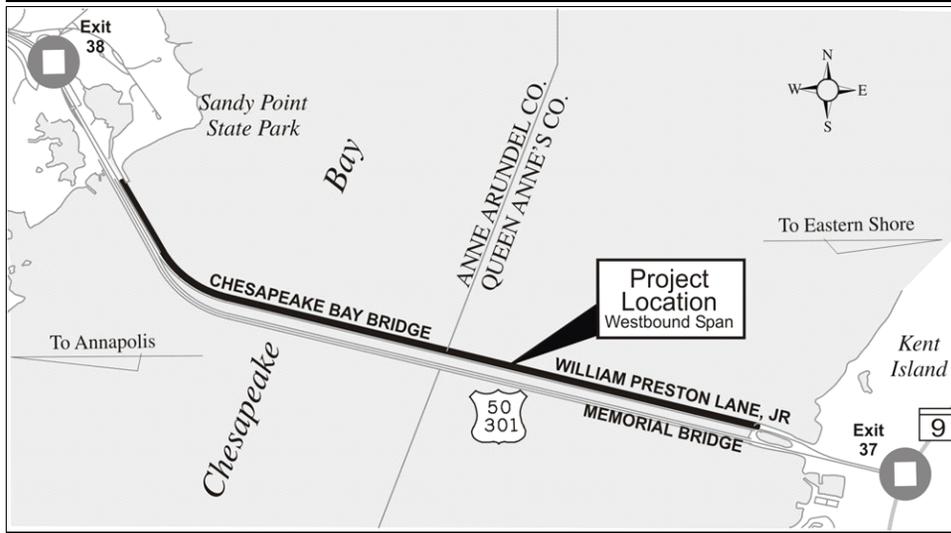
**ASSOCIATED IMPROVEMENTS:**

- 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	971	971	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	11,827	4,000	7,215	612	0	0	0	0	7,827	0
<b>Total</b>	<b>12,798</b>	<b>4,971</b>	<b>7,215</b>	<b>612</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,827</b>	<b>0</b>
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:

- Quality of Service
- System Preservation & Performance
- Connectivity for Daily Life
- Safety & Security
- Environmental Stewardship

**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.

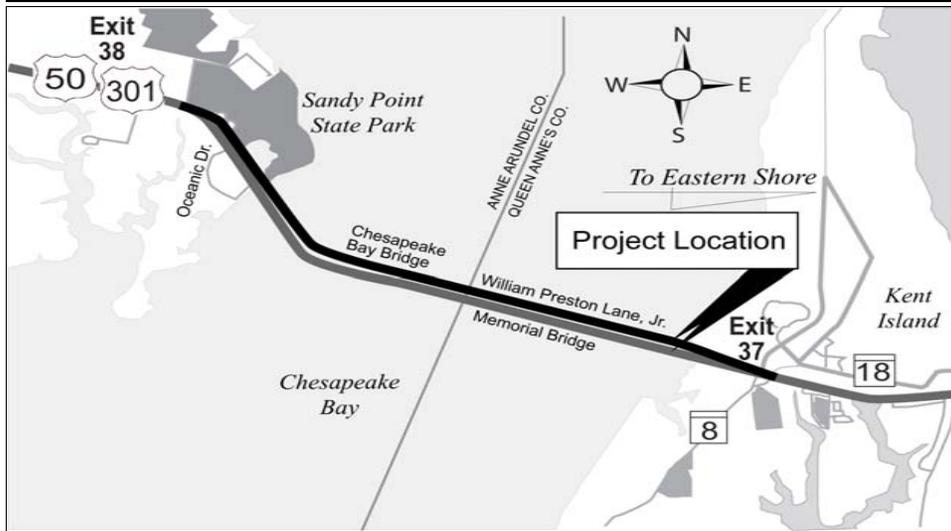
**ASSOCIATED IMPROVEMENTS:**

- 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 23)

**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	457	392	60	5	0	0	0	0	65	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	73,346	31,537	15,841	25,226	742	0	0	0	41,809	0
<b>Total</b>	<b>73,803</b>	<b>31,929</b>	<b>15,901</b>	<b>25,231</b>	<b>742</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>41,874</b>	<b>0</b>
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP:** Cost decreased by \$10.9 million to close out Phase I and based on actual bid price for Phase III.



**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:

- Quality of Service
- System Preservation & Performance
- Connectivity for Daily Life
- Safety & Security
- Environmental Stewardship

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

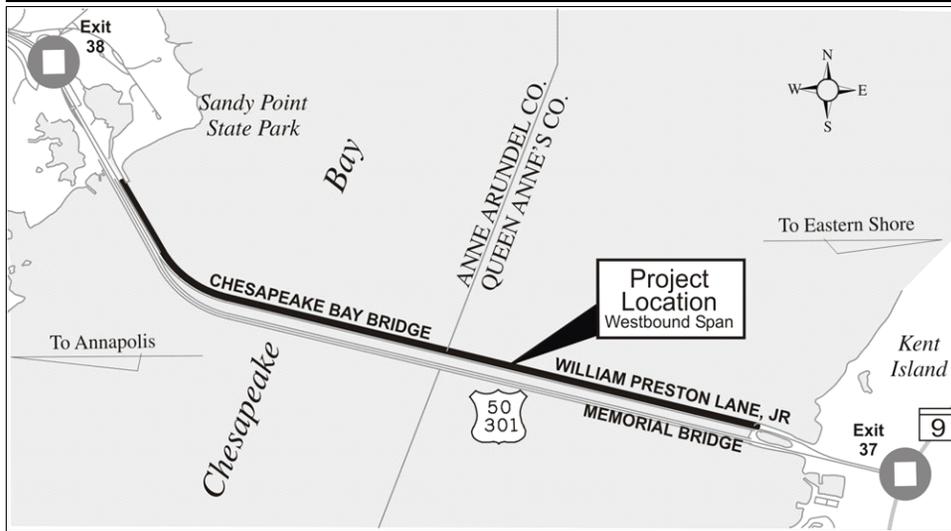
**ASSOCIATED IMPROVEMENTS:**

- 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 23)

**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 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	3,269	3,269	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	50,809	6,581	23,889	20,339	0	0	0	0	44,228	0
Total	54,078	9,850	23,889	20,339	0	0	0	0	44,228	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:

- Quality of Service
- System Preservation & Performance
- Connectivity for Daily Life
- Safety & Security
- Environmental Stewardship

**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.

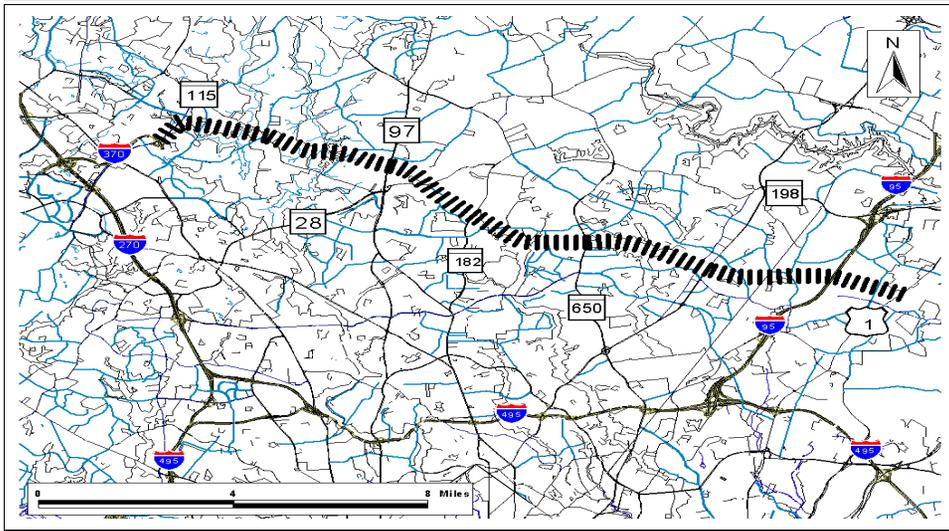
**ASSOCIATED IMPROVEMENTS:**

- 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 23)

**STATUS:** Open to service.

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	726	726	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	4,458	4,458	0	0	0	0	0	0	0	0
<b>Total</b>	<b>5,184</b>	<b>5,184</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
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:

- Quality of Service
- System Preservation & Performance
- Connectivity for Daily Life
- Safety & Security
- Environmental Stewardship

**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:**

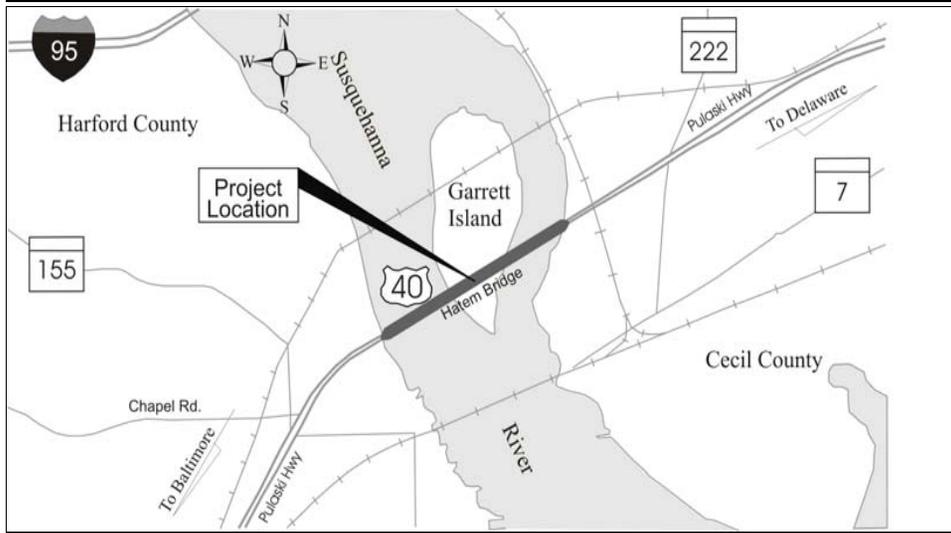
- US 29 Interchanges (Lines 10, 11 Montgomery County - SHA)
- MD 28/MD 198, MD 97 to I-95 (Line 12, Montgomery County - SHA)
- I-95/Contee Road Interchange (Line 1, Prince George's County - SHA)
- MD 201 Extended/US 1, I-95/I-495 to N. of Muirkirk Road (Line 21, Prince George's County - SHA)

**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:** 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)	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	260,656	247,149	13,507	0	0	0	0	0	13,507	0	
Construction	2,034,385	1,908,597	122,711	1,538	1,539	0	0	0	125,788	0	
<b>Total</b>	<b>2,399,111</b>	<b>2,259,816</b>	<b>136,218</b>	<b>1,538</b>	<b>1,539</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>139,295</b>	<b>0</b>	
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:

- Quality of Service
- System Preservation & Performance
- Connectivity for Daily Life
- Safety & Security
- Environmental Stewardship

**ASSOCIATED IMPROVEMENTS:**

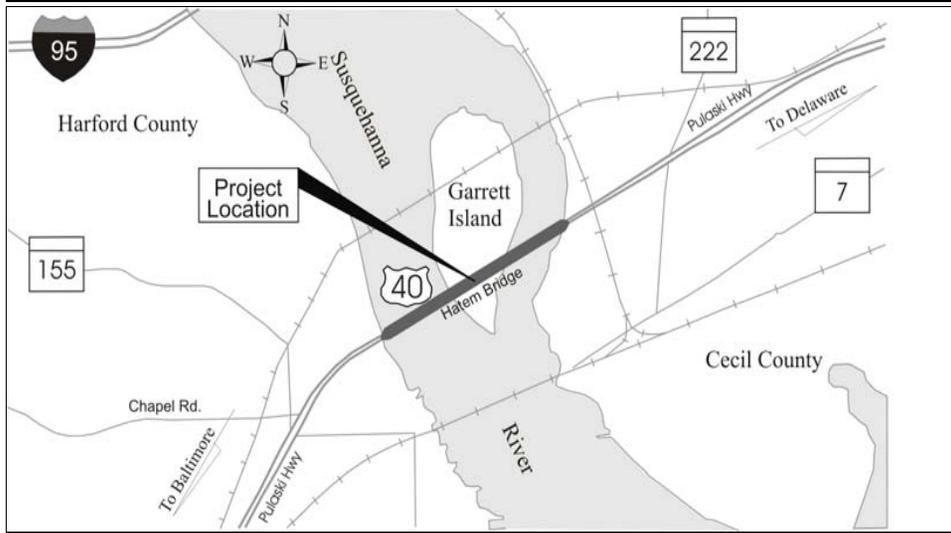
US 40 Thomas J. Hatem Memorial Bridge - Clean and Paint Structural Steel - Construction Program (Line 18)

**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		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2013			2014	2015	.....2016.....	.....2017.....			.....2018.....
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	1,592	1,592	0	0	0	0	0	0	0	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	47,014	17,638	23,693	5,683	0	0	0	0	29,376	0	
Total	48,606	19,230	23,693	5,683	0	0	0	0	29,376	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:

- Quality of Service
- System Preservation & Performance
- Connectivity for Daily Life
- Safety & Security
- Environmental Stewardship

**ASSOCIATED IMPROVEMENTS:**

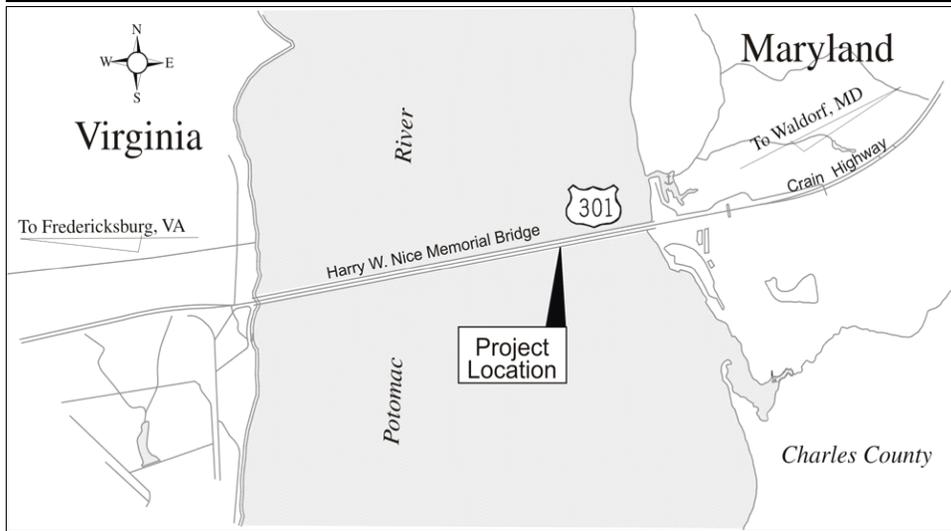
US 40 Thomas J. Hatem Memorial Bridge - Underwater Repairs - Construction Program (Line 17)

**EXPLANATION:** Bridge had paint 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 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	2015	....2016....	....2017....			....2018....
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	100	100	0	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Construction	8,867	8,867	0	0	0	0	0	0	0	0	0
Total	8,967	8,967	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:** 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:

- Quality of Service
- System Preservation & Performance
- Connectivity for Daily Life
- Safety & Security
- Environmental Stewardship

**ASSOCIATED IMPROVEMENTS:**

US 301 Harry W. Nice Memorial Bridge - Replace Nice Bridge - Development and Evaluation Program (Line 22)

**EXPLANATION:** Paint throughout the bridge has wear. 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				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	537	537	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	12,712	1,713	6,725	4,274	0	0	0	0	10,999	0
<b>Total</b>	<b>13,249</b>	<b>2,250</b>	<b>6,725</b>	<b>4,274</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,999</b>	<b>0</b>
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP:** Cost decreased by \$1.5 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:

- Quality of Service
- System Preservation & Performance
- Connectivity for Daily Life
- Safety & Security
- Environmental Stewardship

**ASSOCIATED IMPROVEMENTS:** None.

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

**STATUS:** Open to service.

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	2015	....2016....	....2017....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	3,204	3,204	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	21,244	21,244	0	0	0	0	0	0	0	0
Total	24,448	24,448	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:** Cost decreased by \$4.9 million. Projects designated to receive signs from this contract were delayed or deleted for a reduction of \$1.9 million. \$3 million worth of DMS's were furnished by this contract for ICC and ETL and were charged to those budgets.



**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:

- Quality of Service
- System Preservation & Performance
- Connectivity for Daily Life
- Safety & Security
- Environmental Stewardship

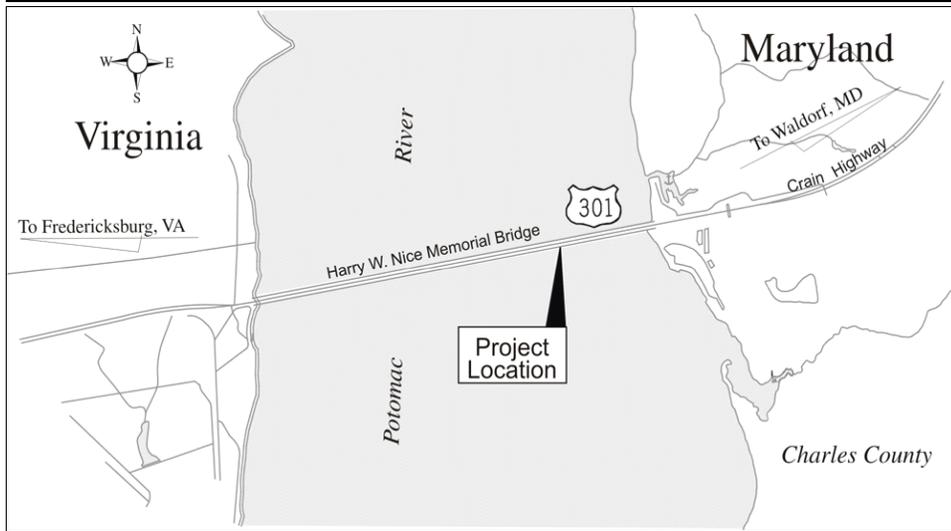
**ASSOCIATED IMPROVEMENTS:** None.

**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	2015	.....2016....	.....2017....		
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	4,321	6,400	200	200	189	0	0	6,989	0
Total	11,922	4,933	6,400	200	200	189	0	0	6,989	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP:** None.



**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.

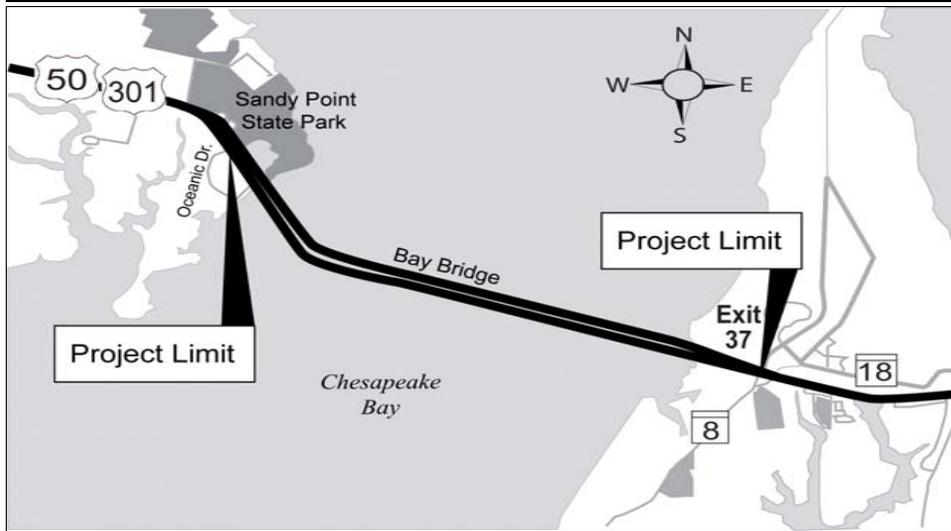
**ASSOCIATED IMPROVEMENTS:**

US 301 Harry W. Nice Memorial Bridge - Clean and Paint Structural Steel and Miscellaneous Structural Repairs - Construction Program (Line 19)

**STATUS:** Planning study is complete. Preliminary engineering is underway.

**SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP:** Cost increased by \$5.1 million to add geotechnical/boring program, preliminary engineering and ordinance detection.

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	2015	.....2016....	.....2017....		
Planning	5,500	5,400	100	0	0	0	0	0	100	0
Engineering	6,100	100	2,800	3,200	0	0	0	0	6,000	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
<b>Total</b>	<b>11,600</b>	<b>5,500</b>	<b>2,900</b>	<b>3,200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,100</b>	<b>0</b>
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		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2013			2014	2015	FOR PLANNING PURPOSES ONLY	2016		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	10,700	300	700	4,800	4,900	0	0	0	10,400	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
<b>Total</b>	<b>10,700</b>	<b>300</b>	<b>700</b>	<b>4,800</b>	<b>4,900</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,400</b>	<b>0</b>
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

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

**JUSTIFICATION:** 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.

**ASSOCIATED IMPROVEMENTS:** None.

**STATUS:** Engineering is underway.

POTENTIAL FUNDING SOURCE:  SPECIAL  FEDERAL  GENERAL  OTHER

PHASE	TOTAL	EXPEND THRU 2013	CURRENT YEAR 2014	BUDGET YEAR 2015	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)				.....2016....	.....2017....	.....2018....	.....2019....		
Planning	0	0	0	0	0	0	0	0	0	
Engineering	300	160	140	0	0	0	0	0	140	
Right-of-way	0	0	0	0	0	0	0	0	0	
Construction	0	0	0	0	0	0	0	0	0	
Total	300	160	140	0	0	0	0	0	140	
Federal-Aid	0	0	0	0	0	0	0	0	0	

**SIGNIFICANT CHANGE FROM FY 2013 - 18 CTP:** Increased the scope to add the Bay and Hatem Bridges. Transferred the project to the Development and Evaluation Program as construction funding of \$10.7 million was removed. Construction funding will be added when design is further along.

**SYSTEM PRESERVATION MINOR PROJECTS PROGRAM**

**MARYLAND TRANSPORTATION AUTHORITY - LINE 25**

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
<b><u>FY 2014 and Prior</u></b>			
<b><u>BALTIMORE HARBOR TUNNEL</u></b>			
1	Replace Electrical Vault (0265)	2,009	Complete
2	Rehabilitate Pavement between Toll Plaza and the K-Truss Bridge (2037)	2,161	Complete
3	Replace Dynamic Message Signs & Lane Use Signals with LED Based Technology (0281)	1,491	Complete
4	Replace Overheight Detection System (2151)	527	Complete
5	Replace Roof and Repair HVAC of Fairfield Service Building (2036)	1,402	Complete
6	Clean and Paint Structural Steel - Phase I (2253)	3,229	Complete
7	Rehabilitate K-Truss Bridge Deck (Code 1 System Preservation) (2210)	5,452	Complete
8	Repair Canton and Fairfield Vent Building Envelopes (Engineering only) (2306)	300	Underway
9	Replace Deck and Superstructure of Bridge over Patapsco Flats (Engineering only) (2292)	5,230	Underway
10	Replace HVAC at Administration Building (Engineering only) (2308)	200	Underway
11	Clean and Paint Structural Steel on Various Bridges - Phase II (2255)	4,422	Underway
12	Install Tunnel Sprinkler System (Engineering only) (2337)	1,550	Underway
13	Rehabilitate K-Truss Approach Spans (Engineering only) (2334)	1,000	Underway
14	Repaint Harbor Tunnel Switchgear Enclosures (Engineering only) (2330)	60	Underway
15	Replace Vent Fans (Engineering only) (2263)	2,130	Underway
16	Zone Paint Various Bridges (2279)	2,412	Underway
<b><u>F.S.KEY BRIDGE</u></b>			
17	Superstructure Fatigue Retrofits at Curtis Creek Bridge (2214)	1,645	Complete
18	Replace Light Poles on Bridge (2150)	1,286	Underway
19	Clean and Paint Structural Steel on Various Bridges - Phase I (2258)	1,583	Underway
20	Clean and Paint Structural Steel at Bear Creek Bridges (2252)	3,959	Underway
21	Convert to All Electronic Tolling (AET) and Install Virtual Weigh Station (Engineering only) (2304)	1,500	Underway
22	Overlay Bridge Decks over Dock Road and CSXT (2327)	2,114	Underway
23	Reconstruct Service Road #3 (2234)	2,458	Underway
24	Replace HVAC at Engineering and Administration Buildings (Engineering only) (2319)	68	Underway
25	Replace Salt Storage Facility (Engineering only) (2309)	200	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
	<b><u>FY 2014 and Prior (cont'd)</u></b>		
	<b><u>F.S.KEY BRIDGE (cont'd)</u></b>		
26	Replace Underground Storage Tanks with Vaulted Aboveground Storage Tanks (2202)	1,576	Fall, 2013
	<b><u>FORT MCHENRY TUNNEL</u></b>		
27	Replace Electrical Vault (1478)	928	Complete
28	Upgrade Central Utility Plant (1477)	1,051	Complete
29	Install Police Detention Area at FMT East Vent Building (1402)	2,557	Complete
30	Replace and Rehabilitate Electrical Switchgear (1476)	3,295	Complete
31	Repair Hanover Street Ramp (2157)	1,617	Complete
32	Replace Administration Building Generator (2138)	363	Complete
33	Replace Dynamic Message Signs and Lane Use Signals with LED Based Technology (1463)	2,913	Underway
34	Repair Vent Fans (Engineering only) (2251)	1,100	Underway
35	Replace or Rehabilitate Tunnel Lighting System (Engineering only) (2269)	500	Underway
36	Replace Salt Barn (Engineering only) (2299)	16	Underway
37	Rehabilitate Four Bridges on I-95 over Herring Run and CSX (Engineering only) (2333)	550	Underway
38	Replace Generator at Maintenance Building (Engineering only) (2348)	89	Underway
39	Replace HVAC at Administration Building, Maintenance Building and Emergency Garages (2285)	2,855	Underway
40	Replace Roof of Maintenance Building (2301)	974	Underway
41	Zone Paint Various Bridges North of Tunnel (2256)	5,791	Underway
42	Install Sweeper Dirt Dewatering Pad (2310)	680	Spring, 2014
	<b><u>HATEM BRIDGE</u></b>		
43	Convert to All Electronic Tolling, Rehabilitate Approach Roadways and Install VWS (Engineering only) (2273)	1,516	Underway
44	Remove Underground Storage Tanks and Replace Oil Water Separator (Engineering only) (2222)	125	Underway
45	Replace HVAC at Administration Building and Scale Houses (Engineering only) (2303)	123	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
<b><u>FY 2014 and Prior (cont'd)</u></b>			
<b><u>KENNEDY HIGHWAY</u></b>			
46	Replace 5KV Cable at MD 222 Interchange (2155)	399	Complete
47	Replace Salt Barn at MD 7 and I-695 (Joint project with SHA) (2181)	1,557	Complete
48	Clean and Paint Structural Steel on Various Bridges (2238)	3,257	Complete
49	New Maintenance Facility (Equipment, Vehicle Acquisition & ROW only) (2136)	6,185	Underway
50	I-95/MD 222 Concept Study (Planning only) (2237)	425	Underway
51	Modify Expansion Joints on the Tydings Bridge (SB) and Miscellaneous Structural Repairs (2182)	4,755	Underway
52	Replace 230kW Generator at Administration Building (2239)	325	Underway
53	Clean and Paint Structural Steel on Various Bridges - Phase II (2257)	5,989	Underway
54	Overlay Deck & Repair - Bouchelle Road & MD 213 Bridges over I-95 (2275)	1,506	Underway
55	Replace Light Poles (Engineering only) (2323)	660	Underway
56	Replace Navigational Lighting on the Tydings Bridge (Engineering only) (2332)	100	Underway
57	Zone Paint Various Bridges - Phase III (2281)	3,551	Underway
58	Renovate HVAC System at Administration Building (2272)	883	Summer, 2013
59	Clean and Zone Paint Tydings Bridge (2313)	8,661	Spring, 2014
60	Install Sweeper Dirt Dewatering Pad at Maintenance 1 (2314)	250	Spring, 2014
61	Replace Underground Storage Tank with Aboveground Storage Tank-Maintenance 1 (2218)	656	Spring, 2014
<b><u>MULTI-AREA</u></b>			
62	Improve Building Security - Phase II (1983)	8,051	Complete
63	Install Radio Rebroadcast Systems in Fort McHenry and Harbor Tunnels (1963)	865	Complete
64	Install Highway Advisory Radio Transmitters and Signs - JFK and WPL (2008)	1,183	Complete
65	Miscellaneous Paving Repairs (2142)	3,945	Complete
66	On-Call Miscellaneous Shotcrete Repair (2149)	10,695	Complete
67	On-Call Structural Repairs and Miscellaneous Modifications (2124)	5,862	Complete
68	Replace Intercom Systems at Toll Collection Booths - Authority-Wide (2162)	267	Complete
69	Law Enforcement IT Systems Plan - Multi-Area (2060)	3,147	Underway
70	Replace Electronic Toll Collection and Operating System - 3rd Gen. (Engineering only) (2147)	3,897	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
<b><u>FY 2014 and Prior (cont'd)</u></b>			
<b><u>MULTI-AREA (cont'd)</u></b>			
71	Right-of-Way and General Fencing at Various Locations (2144)	282	Underway
72	Evaluate Condition of Deck, Superstructure & Substructures All Facilities (Engineering only) (2083)	1,629	Underway
73	Install E-ZPass Back-Up Site (Engineering only) (2225)	100	Underway
74	On-Call Structural Repairs and Miscellaneous Modifications (2168)	13,036	Underway
75	Furnish and Install Radiax Cable within Tunnels (2156)	1,929	Underway
76	Repair and Modify Miscellaneous Roadway Lighting (1913)	4,911	Underway
77	Replace Navigational Lighting Systems at Francis Scott Key, Nice Memorial and Bay Bridges (2074)	2,603	Underway
78	Design & Construct Security Fencing at Shores of Major Bridges (TJH, FSK, HWN, Tydings & WPL) (2130)	2,041	Underway
79	On-Call Miscellaneous Electrical Repairs (2236)	1,339	Underway
80	On-Call Structural Repairs and Miscellaneous Modifications (2254)	13,212	Underway
81	Replace Generators at JFK, WPL, BHT and FSK (Engineering only) (2265)	473	Underway
82	Fatigue Retrofits for Various Structures (2219)	1,298	Underway
83	Implement Video Citation Process (2294)	3,950	Underway
84	Law Enforcement Computer-Aided Dispatch/Records Mgmt/Auto Field Report/Auto Veh Locator System Plan (2324)	6,952	Underway
85	On-Call Facility/Building Repairs (2240)	2,309	Underway
86	On-Call Miscellaneous Paving Repairs (2335)	7,686	Underway
87	On-Call Structural Repairs and Miscellaneous Modifications (2291)	11,953	Underway
88	On-Call Structural Repairs and Miscellaneous Modifications (2296)	9,006	Underway
89	Overlay Bridge Decks and Misc. Repairs of I-895A Ramp over I-895B and Quarantine Road over I-695 (2270)	3,188	Underway
90	Remove, Replace and Upgrade Sign Structures - Northern Region (Engineering only) (2289)	850	Underway
91	Replace Roofs at JFK and Hatem Bridge Campuses (2241)	2,180	Underway
92	Replace Roofs at the Baltimore Harbor Tunnel and Francis Scott Key Campuses (2247)	195	Underway
93	Replace Toll Booths at JFK and BHT (Engineering only) (2311)	176	Underway
94	Seal Decks of Various Bridges on I-95, I-695 and I-895 (JFK, FSK, BHT) (Engineering only) (2326)	400	Underway
95	Total Maximum Daily Load (TMDL) Storm Water Retrofits (Engineering only) (2346)	700	Underway
96	Allocated Long Range Capital Needs Reserve (2325)	5,090	Underway
97	Equipment Budget (1702)	2,625	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
<b><u>FY 2014 and Prior (cont'd)</u></b>			
<b><u>MULTI-AREA (cont'd)</u></b>			
98	On-Call Furnishing and Installation of Camera and Compressor-Decompressor (CODEC) Equipment (2014)	645	Underway
99	On-Call Structural Repairs and Miscellaneous Modifications (2176)	476	Underway
100	On-Call Total Maximum Daily Load (TMDL) Storm Water Retrofits on JFK and BHT (2290)	921	Underway
101	System Preservation Allocated Reserve (1979)	27,751	Underway
102	System Preservation Unallocated Reserve (1981)	2,500	Underway
103	On-Call Shotcrete Repairs and Miscellaneous Modifications (2297)	10,822	Summer, 2013
104	Replace Toll Booths at Bay Bridge and Fort McHenry Tunnel (2276)	4,813	Summer, 2013
105	Furnish, Deliver and Commission DMS (2229)	1,439	Fall, 2013
106	On-Call Sign Structures (2298)	3,375	Fall, 2013
107	Total Maximum Daily Load (TMDL) Storm Water Retrofits (2300)	8,658	Spring, 2014
<b><u>NICE BRIDGE</u></b>			
108	Renovate Administration Building (1025)	2,141	Underway
109	Replace Generators at Administration and Maintenance Buildings (2328)	605	Summer, 2013
110	Replace Roofs of Administration and Maintenance Buildings and Rehab Roof of Metal Storage Building (2302)	524	Summer, 2013
111	Replace Underground Storage Tanks with Aboveground Storage Tanks (2200)	530	Fall, 2013
<b><u>POINT BREEZE</u></b>			
112	Replace Roof of Garage Building (2108)	659	Complete
113	Point Breeze - Second Floor Renovation (2295)	6,542	Underway
114	Rehabilitate IT Building and Pad Site for Storage Trailer (Engineering only) (2350)	200	Underway
115	Replace Roof and Repair Brick Masonry at 2310 Point Breeze Building (2242)	2,172	Spring, 2014
<b><u>W. P. LANE BRIDGE</u></b>			
116	Replace Traffic System Controllers, Signals and Communications and Replace Cameras and Remount (0651)	8,594	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
<b><u>FY 2014 and Prior (cont'd)</u></b>			
<b><u>W. P. LANE BRIDGE (cont'd)</u></b>			
117	Replace Existing DMS Near Bridge and Install New DMS - east of MD 404 (1914)	938	Underway
118	Replace Underground Tanks at Administration Building & Police West Garage (2051)	1,300	Underway
119	Install Four Isolation Points and Access Ladder - Eastbound Bay Bridge (2054)	1,069	Underway
120	Modify WPL Crossover and Resurface EB and WB Approaches (Engineering only) (2344)	391	Underway
121	On-Call Facility-Wide Structural Repairs and Misc. Modifications (Engineering only) (2349)	240	Underway
122	Rehabilitate Metal Northrop/Grumman Building for Operations (2322)	125	Underway
123	Rehabilitate Suspension Spans - WB Bridge only (Engineering only) (2342)	3,000	Underway
124	Repair Toll Plaza Concrete Paving (Engineering only) (2318)	400	Underway
125	Replace 5KV Feeder on Eastbound Bay Bridge (Engineering only) (2329)	1,359	Underway
126	Replace Eastbound Bay Bridge Navigational Lighting (Engineering only) (2347)	92	Underway
127	Replace Roofs at Bay Bridge Campus (2245)	377	Underway
128	Renovate Conduit Hangers - Both Spans (2267)	1,040	Summer, 2013
129	Furnish and Install Uninterruptible Power Supply (UPS) (2268)	1,132	Fall, 2013
130	Replace Acoustic Monitoring on Eastbound Bay Bridge (2341)	2,894	Fall, 2013
131	Modify WPL Lane Use System (2340)	1,049	Spring, 2014
<b><u>FY 2015</u></b>			
<b><u>F.S.KEY BRIDGE</u></b>			
132	Facility-Wide Resurface (Engineering only) (2277)	1,081	Summer, 2014
<b><u>MULTI-AREA</u></b>			
133	Allocated Long Range Capital Needs Reserve (2325)	118,641	Summer, 2014
134	Equipment Budget (1702)	3,990	Summer, 2014
135	On-Call Total Maximum Daily Load (TMDL) Storm Water Retrofits on JFK and BHT (2290)	921	Summer, 2014
136	System Preservation Allocated Reserve (1979)	686	Summer, 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
<b><u>FY 2015 (cont'd)</u></b>			
<b><u>MULTI-AREA (cont'd)</u></b>			
137	System Preservation Unallocated Reserve (1981)	20,000	Summer, 2014
138	On-Call Electrical and ITS (2345)	4,766	Fall, 2014
<b><u>W. P. LANE BRIDGE</u></b>			
139	Fabricate and Install Hangers on Potomac Piers (2286)	974	Summer, 2014