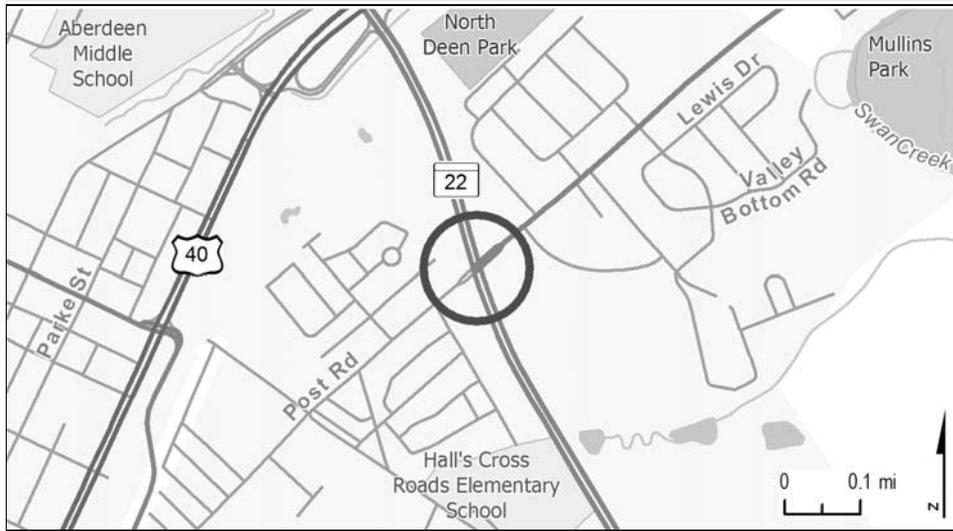




HARFORD COUNTY



PROJECT: MD 22, Aberdeen Thruway

DESCRIPTION: Intersection improvements at Old Post Road. (BRAC Intersection Improvements)

PURPOSE & NEED SUMMARY STATEMENT: This project will improve safety and operations at MD 22 and Old Post Road. It will also improve access to Aberdeen Proving Grounds (APG) to support BRAC expansion.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law
 Project Inside PFA Grandfathered
 Project Outside PFA Exception Will Be Required
 PFA Status Yet To Be Determined Exception Granted

ASSOCIATED IMPROVEMENTS:
 MD 22, at Beards Hill Road (Line 2)
 MD 22, at MD 462 (Line 3)

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

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

EXPLANATION: This project includes intersection capacity improvements. The improvements will address operational and safety concerns and provide improved access to APG. This project supports economic development in and around APG in Harford County.

STATUS: Construction underway.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input checked="" type="checkbox"/> OTHER									
PHASE	TOTAL		PROJECT CASH FLOW							SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2016	CURRENT YEAR 2017	BUDGET YEAR 2018	FOR PLANNING PURPOSES ONLY						
					.....2019.....	.....2020.....	.....2021.....	.....2022.....		
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	0	0	0	0	0	0	0	0	0	0	
Right-of-way	1,720	1,279	441	0	0	0	0	0	0	441	
Construction	7,646	6,113	1,533	0	0	0	0	0	0	1,533	
Total	9,366	7,392	1,974	0	0	0	0	0	0	1,974	
Federal-Aid	7,175	5,579	1,596	0	0	0	0	0	0	1,596	

CLASSIFICATION:

STATE - Intermediate Arterial
 FEDERAL - Freeway/Expressway
 STATE SYSTEM: Secondary

Annual Average Daily Traffic (vehicles per day)

CURRENT (2016) - 24,000
 PROJECTED (2035) - 33,700



PROJECT: MD 22, Aberdeen Thruway

DESCRIPTION: Intersection improvements at Beards Hill Road. (BRAC Intersection Improvements)

PURPOSE & NEED SUMMARY STATEMENT: This project will improve safety and operations at the MD 22 and Beards Hill Road intersection. It will improve access to the Aberdeen Proving Grounds and commercial activities in the area.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law
 Project Inside PFA Grandfathered
 Project Outside PFA Exception Will Be Required
 PFA Status Yet To Be Determined Exception Granted

ASSOCIATED IMPROVEMENTS:
 MD 22, at Old Post Road (Line 1)
 MD 22, at MD 462 (Line 3)

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

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

EXPLANATION: This project includes intersection improvements to accommodate growth from BRAC. The improvement will address operational and safety concerns, support freight movement, and provide improved access to the Aberdeen Proving Grounds. This project supports economic development in and around APG in Harford County.

STATUS: Construction underway.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None.

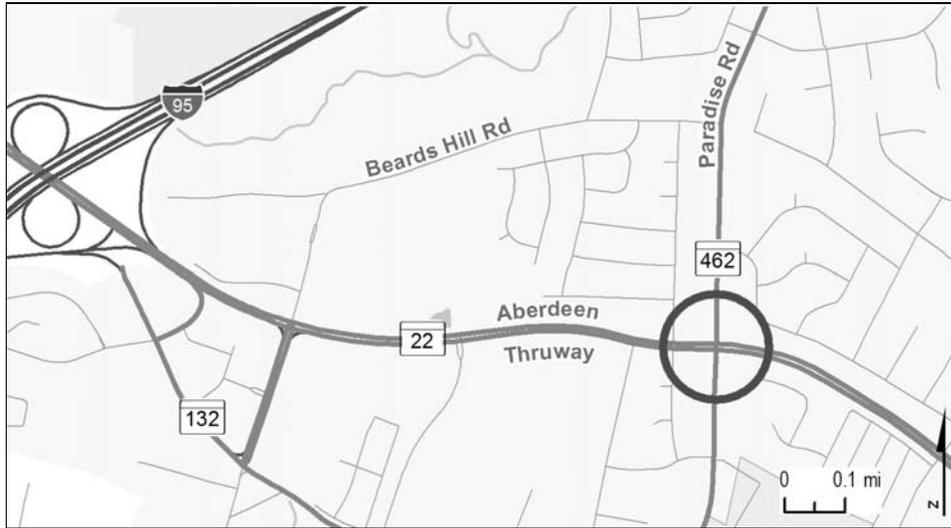
POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL		<input checked="" type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input type="checkbox"/> OTHER			
PHASE	TOTAL		PROJECT CASH FLOW							SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2016	CURRENT YEAR 2017	BUDGET YEAR 2018	FOR PLANNING PURPOSES ONLY						
					.....2019.....	.....2020.....	.....2021.....	.....2022.....		
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	9	9	0	0	0	0	0	0	0	0	
Right-of-way	4,860	4,456	387	17	0	0	0	0	0	404	
Construction	10,961	3,001	7,960	0	0	0	0	0	0	7,960	
Total	15,830	7,466	8,347	17	0	0	0	0	0	8,364	
Federal-Aid	12,797	5,961	6,823	13	0	0	0	0	0	6,836	

CLASSIFICATION:

STATE - Intermediate Arterial
 FEDERAL - Freeway/Expressway
 STATE SYSTEM: Secondary

Annual Average Daily Traffic (vehicles per day)

CURRENT (2016) - 33,000
 PROJECTED (2035) - 40,600



PROJECT: MD 22, Aberdeen Thruway

DESCRIPTION: Intersection improvements at MD 462 (Paradise Road). (BRAC Intersection Improvements)

PURPOSE & NEED SUMMARY STATEMENT: This project will improve safety and operations at the MD 22 and MD 462 intersections and provide improved access to the Aberdeen Proving Grounds.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law
 Project Inside PFA Grandfathered
 Project Outside PFA Exception Will Be Required
 PFA Status Yet To Be Determined Exception Granted

ASSOCIATED IMPROVEMENTS:
 MD 22, at Old Post Road (Line 1)
 MD 22, at Beards Hill Road (Line 2)

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

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

EXPLANATION: This project includes intersection improvements to accommodate growth from BRAC. The improvement will address operational and safety concerns, support freight movement, and provide improved access to the Aberdeen Proving Grounds. This project supports economic development in and around APG in Harford County.

STATUS: Construction underway.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER								
PHASE	PROJECT CASH FLOW									
	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2016	CURRENT YEAR 2017	BUDGET YEAR 2018	FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2019.....	.....2020.....	.....2021.....	.....2022.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	0	0	0	0	0	0	0	0	0	0
Right-of-way	8,909	7,966	454	489	0	0	0	0	943	0
Construction	11,160	2,304	5,834	3,022	0	0	0	0	8,856	0
Total	20,069	10,270	6,288	3,511	0	0	0	0	9,799	0
Federal-Aid	16,571	9,676	4,424	2,471	0	0	0	0	6,895	0

CLASSIFICATION:

STATE - Intermediate Arterial
 FEDERAL - Freeway/Expressway
 STATE SYSTEM: Secondary

Annual Average Daily Traffic (vehicles per day)

CURRENT (2016) - 30,500
 PROJECTED (2035) - 44,500



PROJECT: US 40, Pulaski Highway

DESCRIPTION: Construct intersection improvements on US 40 at the MD 7/MD 159 (Phase 2) to support the Base Realignment and Closure (BRAC) initiative.

PURPOSE & NEED SUMMARY STATEMENT: Improve capacity at the intersection of US 40 with MD 7 and MD 159, in an effort to improve access to the Aberdeen Proving Grounds.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law
 Project Inside PFA Grandfathered
 Project Outside PFA Exception Will Be Required
 PFA Status Yet To Be Determined Exception Granted

ASSOCIATED IMPROVEMENTS:

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

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

EXPLANATION: The project includes capacity and geometric improvements that will improve safety and operations of the intersection. The intersection is a major access point to the Aberdeen Proving Grounds and Aberdeen's surrounding industrial park area.

STATUS: Construction underway. City of Aberdeen contributed \$0.1 million towards construction and Harford County contributed \$3.4 million towards construction.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: The cost increase of \$4.4 million is due to an unfavorable bid price and additional Right-of-Way acquisitions. Construction is delayed from FY16 to FY17 due to the acquisition of necessary environmental permits.

PHASE	TOTAL		PROJECT CASH FLOW								SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2016	CURRENT YEAR 2017	BUDGET YEAR 2018	FOR PLANNING PURPOSES ONLY				TOTAL			
					.....2019.....	.....2020.....	.....2021.....	.....2022.....				
Planning	0	0	0	0	0	0	0	0	0	0	0	0
Engineering	0	0	0	0	0	0	0	0	0	0	0	0
Right-of-way	3,204	1,684	461	468	570	21	0	0	0	1,520	0	0
Construction	20,530	13	2,115	7,091	8,076	3,235	0	0	0	20,517	0	0
Total	23,734	1,697	2,576	7,559	8,646	3,256	0	0	0	22,037	0	0
Federal-Aid	17,013	0	1,591	5,835	6,497	3,090	0	0	0	17,013	0	0

CLASSIFICATION:

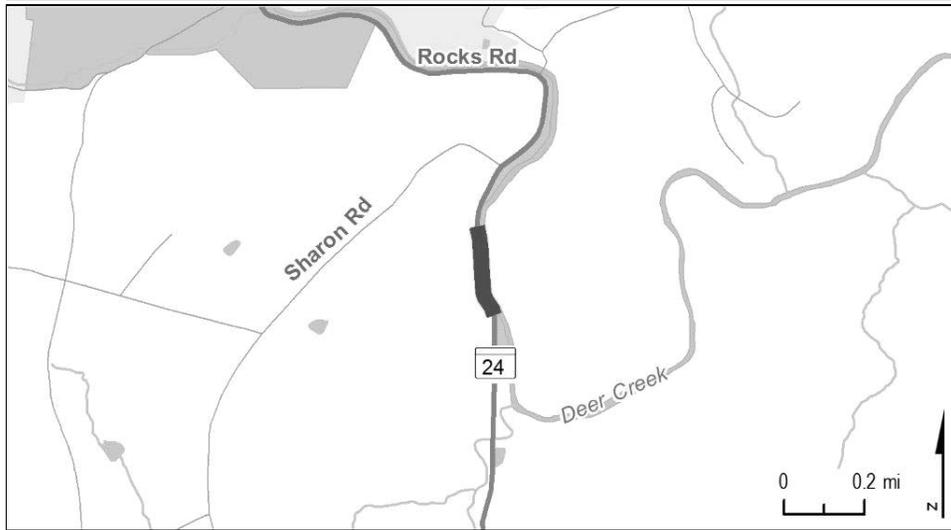
STATE - Intermediate Arterial
 FEDERAL - Other Principal Arterial

STATE SYSTEM: Secondary

Annual Average Daily Traffic (vehicles per day)

CURRENT (2016) - 27,000

PROJECTED (2035) - 57,000



PROJECT: MD 24, Rocks Road

DESCRIPTION: MD 24 will be resurfaced and reconstructed including slope repair and guardrail replacement. This is the southern section (Section G) which extends from 900 feet south of Sharon Road to 1,700 feet north of Ferncliff Lane.

JUSTIFICATION: The purpose of these projects is to improve the road safety by remediating the slope supporting MD 24, repairing the pavement, improving roadway drainage and addressing roadside safety concerns.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law
 Project Inside PFA Grandfathered
 Project Outside PFA Exception Will Be Required
 PFA Status Yet To Be Determined Exception Granted

ASSOCIATED IMPROVEMENTS:

STATUS: Engineering underway.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER								
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2016	CURRENT YEAR 2017	BUDGET YEAR 2018	PROJECT CASH FLOW				SIX YEAR TOTAL	BALANCE TO COMPLETE
					FOR PLANNING PURPOSES ONLY					
					.....2019.....	.....2020.....	.....2021.....	.....2022.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	1,375	592	350	433	0	0	0	0	783	0
Right-of-way	82	0	0	0	0	82	0	0	82	0
Construction	0	0	0	0	0	0	0	0	0	0
Total	1,457	592	350	433	0	82	0	0	865	0
Federal-Aid	1,020	439	260	321	0	0	0	0	581	0

CLASSIFICATION:

STATE - Major Collector

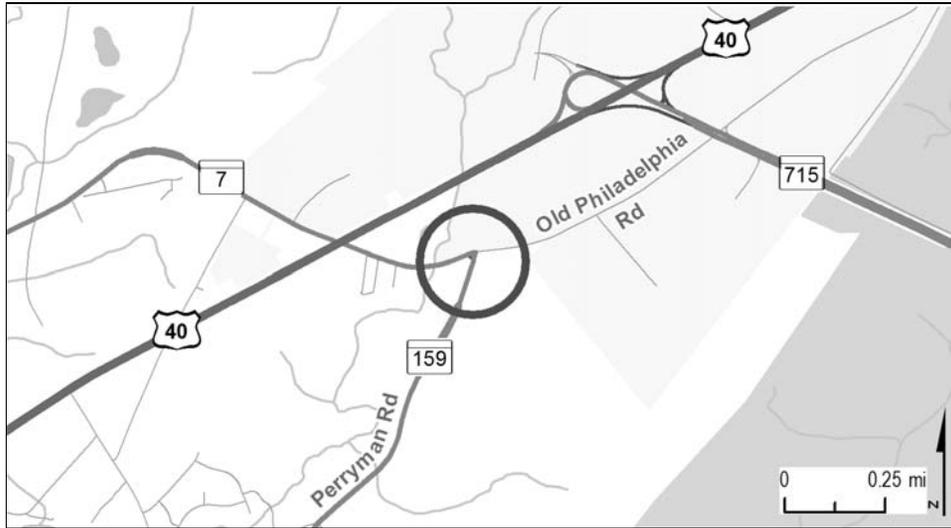
FEDERAL - Major Collector

STATE SYSTEM: Secondary

Annual Average Daily Traffic (vehicles per day)

CURRENT (2016) - 4,100

PROJECTED (2035) - 7,750



PROJECT: MD 159, Philadelphia Road Improvement Project

DESCRIPTION: Study to provide improved access from the Perryman Peninsula to the state road network. The final recommendation was a proposed one lane roundabout at MD 159 and Old Philadelphia Road. (BRAC Related)

JUSTIFICATION: This project would improve access to the planned growth area of the Perryman Peninsula and improve the safety and operation of the area road network. This project includes the transfer of MD 159 to the County after construction.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law
 Project Inside PFA Grandfathered
 Project Outside PFA Exception Will Be Required
 PFA Status Yet To Be Determined Exception Granted

ASSOCIATED IMPROVEMENTS:
 US 40, at MD 7/MD 159 (Phase 2) (Line 4)

STATUS: Final design to begin in FY18. Final cost estimate and funding sources pending.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER								
PHASE	PROJECT CASH FLOW									
	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2016	CURRENT YEAR 2017	BUDGET YEAR 2018	FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2019.....	.....2020.....	.....2021.....	.....2022.....		
Planning	248	248	0	0	0	0	0	0	0	0
Engineering	138	138	0	0	0	0	0	0	0	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	386	386	0	0	0	0	0	0	0	0
Federal-Aid	106	106	0	0	0	0	0	0	0	0

CLASSIFICATION:

STATE - Minor Collector

FEDERAL - Minor Arterial

STATE SYSTEM: Secondary

Annual Average Daily Traffic (vehicles per day)

CURRENT (2016) - 6,700

PROJECTED (2035) - 18,200



PROJECT: US 1, Belair Road

DESCRIPTION: Study to reconstruct US 1 to a multilane highway from MD 152 to the Hickory Bypass (5.5 miles). Sidewalks will be included where appropriate and shoulders will accommodate bicycles.

JUSTIFICATION: This project would improve the safety and operations on US 1.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law
 Project Inside PFA Grandfathered
 Project Outside PFA Exception Will Be Required
 PFA Status Yet To Be Determined Exception Granted

ASSOCIATED IMPROVEMENTS:

STATUS: Planning complete.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER								
PHASE	PROJECT CASH FLOW									
	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2016	CURRENT YEAR 2017	BUDGET YEAR 2018	FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2019.....	.....2020.....	.....2021.....	.....2022.....		
Planning	2,270	2,270	0	0	0	0	0	0	0	0
Engineering	0	0	0	0	0	0	0	0	0	0
Right-of-way	286	286	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0
Total	2,556	2,556	0	0	0	0	0	0	0	0
Federal-Aid	979	979	0	0	0	0	0	0	0	0

CLASSIFICATION:

STATE - Intermed./Minor Arterial

FEDERAL - Freeway/Expressway

STATE SYSTEM: Secondary

Annual Average Daily Traffic (vehicles per day)

CURRENT (2016) - 34,200

PROJECTED (2035) - 54,100

SAFETY, CONGESTION RELIEF, HIGHWAY AND BRIDGE PRESERVATION PROGRAM

STATE HIGHWAY ADMINISTRATION -- HARFORD COUNTY LINE 8

ITEM NO.	ROUTE NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START Status as of December 1, 2016
		<u>Fiscal Year 2016 Completions</u>		
		<u>Resurface/Rehabilitate</u>		
1		At various locations in Harford County - west of US 1; resurface	8,037	Completed
		<u>Fiscal Years 2017 and 2018</u>		
		<u>Resurface/Rehabilitate</u>		
2		At various locations in west Harford County; mill and resurface	14,172	Under construction
3		At various locations in east Harford County; mill and resurface	13,540	Under construction
4		At various locations in Harford County east of US 1; resurface	8,101	Completed
5	MD 7	Philadelphia Road; MD 24 to Abington Road; safety and resurface	2,018	Under construction
6	MD 22	Churchville Road; Prospect Mill Road to MD 136; resurface	6,472	FY 2017
7	US 40 EB	Pulaski Highway; Long Bar Harbor to Spesutia Road; safety and resurface	4,741	Completed
8	MD 924	Emmorton Road; St Clair Drive to Holly Wreath Court; resurface	916	Completed
		<u>Bridge Replacement/Rehabilitation</u>		
9		11 bridges on Churchville Road, Vietnam Veterans Memorial Hwy, Ady Road, Prospect Road; clean/paint bridges	3,033	FY 2017
		<u>Safety/Spot Improvement</u>		
10	MD 147	Harford Road; at Connolly Road; widen and resurface	0	FY 2017

SAFETY, CONGESTION RELIEF, HIGHWAY AND BRIDGE PRESERVATION PROGRAM

STATE HIGHWAY ADMINISTRATION -- HARFORD COUNTY LINE 8 (cont'd)

ITEM NO.	ROUTE NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START Status as of December 1, 2016
<u>Fiscal Years 2017 and 2018 (cont'd)</u>				
<u>Safety/Spot Improvement (cont'd)</u>				
11	MD 623	Castleton Road; Franklin Church Road to Glen Cove Road; drainage improvements Funding provided by the Governor's Investment in Highways and Bridges Initiative	2,288	FY 2018
<u>Urban Reconstruction</u>				
12	MD 755	Edgewood Road; Willoughby Beach Road to MARC Station; pedestrian safety and drainage improvements (Transportation Infrastructure Investment Act of 2013)	5,853	Under construction
<u>TMDL Compliance</u>				
13		At various locations in Harford County - Group 1A; drainage improvement	2,906	FY 2017
14		Tree establishment in various locations in Harford County; landscape	1,658	FY 2018
15		Tree planting at various locations in Harford County; landscape (Transportation Infrastructure Investment Act of 2013)	1,007	Under construction