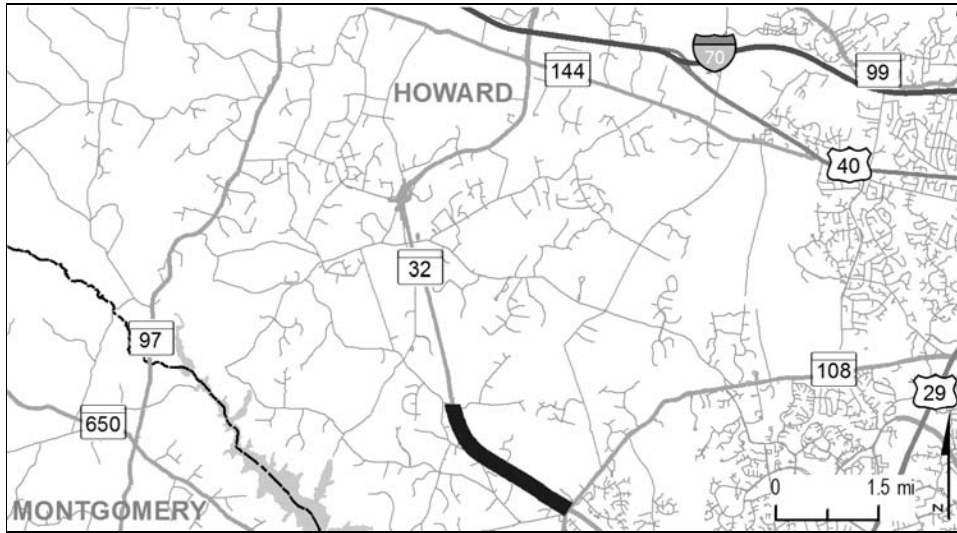




HOWARD COUNTY

STATE HIGHWAY ADMINISTRATION -- Howard County -- Line 1

PRIMARY CONSTRUCTION PROGRAM



PROJECT: MD 32, Sykesville Road

DESCRIPTION: Widened MD 32 from MD 108 to Linden Church Road from two lanes to a four lane divided roadway.

PURPOSE & NEED SUMMARY STATEMENT: This project addressed congestion and safety problems resulting from increased traffic volumes on the existing two lane roadway.

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 32, Linden Church Road to I-70 (Line 2)

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

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

EXPLANATION: This project relieved traffic congestion and addressed safety concerns along MD 32 in the Columbia area.

STATUS: Open to service. County contributed \$16.5 million to this project.

SIGNIFICANT CHANGE FROM FY 2019 - 24 CTP: None.

POTENTIAL FUNDING SOURCE:		☒ SPECIAL ☐ FEDERAL ☐ GENERAL ☒ OTHER									
		PROJECT CASH FLOW									
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2019	CURRENT YEAR 2020	BUDGET YEAR 2021	FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
					2022.....	2023.....	2024.....	2025.....			
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	2,026	2,026	0	0	0	0	0	0	0	0	
Right-of-way	2,097	1,159	769	169	0	0	0	0	938	0	
Construction	40,257	30,433	9,824	0	0	0	0	0	9,824	0	
Total	44,380	33,618	10,593	169	0	0	0	0	10,762	0	
Federal-Aid	0	0	0	0	0	0	0	0	0	0	

CLASSIFICATION:

STATE - Principal Arterial

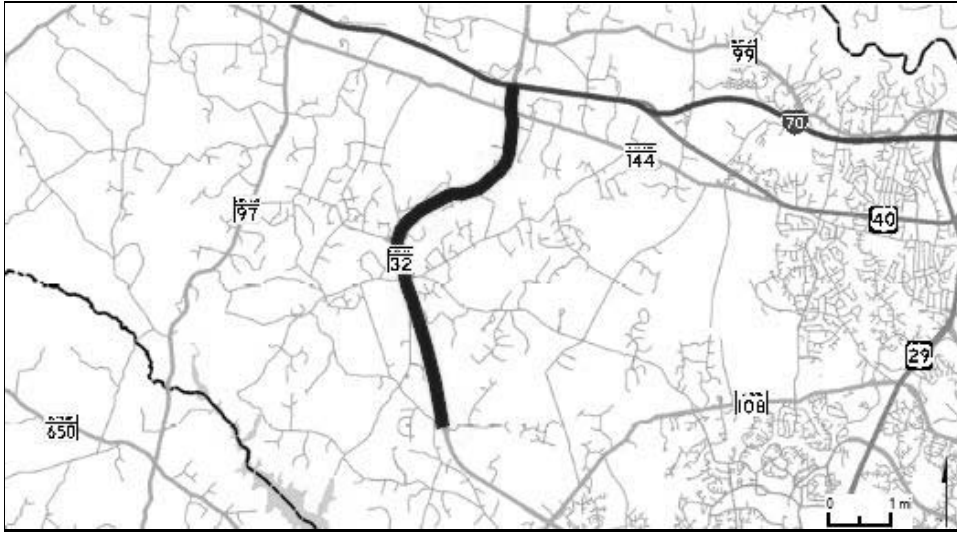
FEDERAL - Other Principal Arterial

STATE SYSTEM : Primary

Annual Average Daily Traffic (vehicles per day)

CURRENT (2019) - 30,500

PROJECTED (2040) - 50,200



PROJECT: MD 32, Patuxent Freeway

DESCRIPTION: Construct capacity and safety improvements along MD 32 from north of Linden Church Road to I-70 (6.6 miles).

PURPOSE & NEED SUMMARY STATEMENT: This project will address congestion and safety problems as a result of increasing traffic volumes on the existing two lane roadway.

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 32, MD 108 to Linden Church Road (Line 1)

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

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

EXPLANATION: This project will relieve traffic congestion and address safety concerns along MD 32 in Howard County.

STATUS: Construction underway.

SIGNIFICANT CHANGE FROM FY 2019 - 24 CTP: None.

POTENTIAL FUNDING SOURCE:				☒ SPECIAL	☒ FEDERAL	☐ GENERAL	☐ OTHER					
				PROJECT CASH FLOW								
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2019	CURRENT YEAR 2020	BUDGET YEAR 2021	FOR PLANNING PURPOSES ONLY					SIX YEAR TOTAL	BALANCE TO COMPLETE	
					2022.....	2023.....	2024.....	2025.....				
Planning	3,657	3,657	0	0	0	0	0	0	0	0	0	
Engineering	8,054	8,041	13	0	0	0	0	0	0	13	0	
Right-of-way	16,180	7,928	2,722	2,931	1,700	899	0	0	0	8,252	0	
Construction	98,934	12,260	27,267	32,555	26,852	0	0	0	0	86,674	0	
Total	126,825	31,886	30,002	35,486	28,552	899	0	0	0	94,939	0	
Federal-Aid	118,905	25,063	29,766	35,179	28,195	702	0	0	0	93,842	0	

CLASSIFICATION:

STATE - Principal Arterial

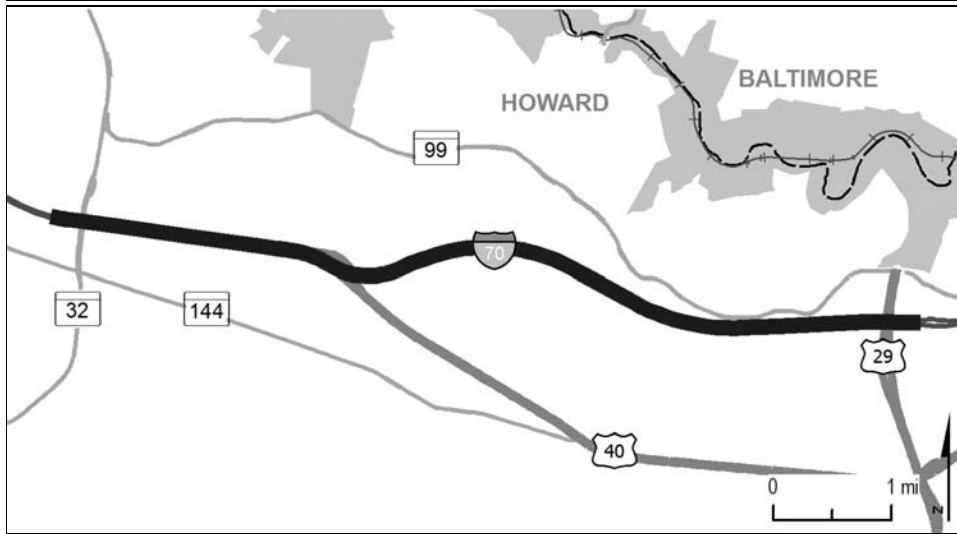
FEDERAL - Other Principal Arterial

STATE SYSTEM : Primary

Annual Average Daily Traffic (vehicles per day)

CURRENT (2019) - 25,200

PROJECTED (2040) - 41,100



PROJECT: I-70, MD 32 to US 29

DESCRIPTION: Study to address current and future capacity needs on I-70 between MD 32 and US 29 (6.0 miles).

JUSTIFICATION: This project will ease increasing congestion and improve safety along this segment of I-70.

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:

Marriottsville Road, US 40 to MD 99 (County Project)

STATUS: Project on hold.

SIGNIFICANT CHANGE FROM FY 2019 - 24 CTP: None.

POTENTIAL FUNDING SOURCE:				☒ SPECIAL ☐ FEDERAL ☐ GENERAL ☐ OTHER							
PROJECT CASH FLOW											
PHASE	TOTAL	EXPEND THRU 2019	CURRENT YEAR 2020	BUDGET YEAR 2021	FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)				2022.....	2023.....	2024.....	2025.....			
Planning	858	858	0	0	0	0	0	0	0	0	
Engineering	0	0	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	858	858	0	0	0	0	0	0	0	0	
Federal-Aid	0	0	0	0	0	0	0	0	0	0	

CLASSIFICATION:

STATE - Principal Arterial

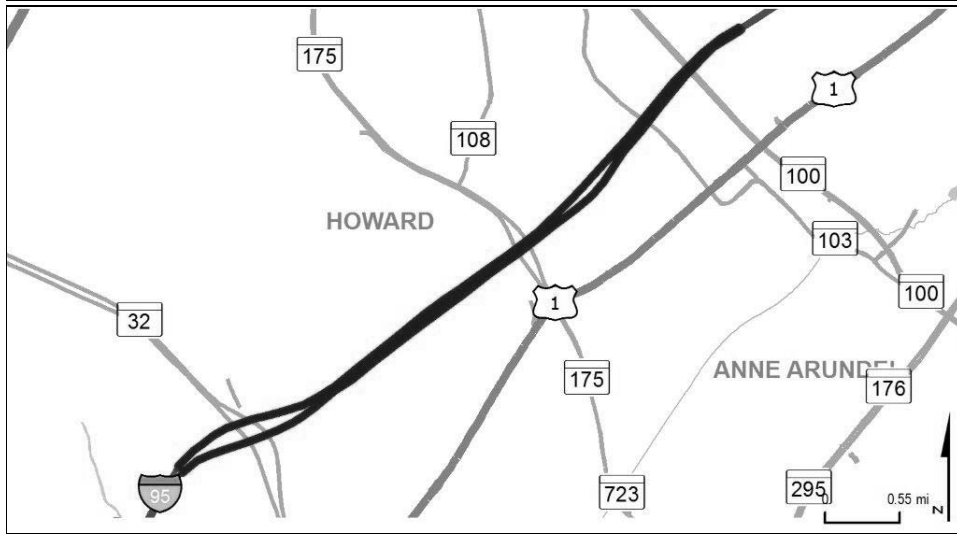
FEDERAL - Urban Interstate

STATE SYSTEM : Primary

Annual Average Daily Traffic (vehicles per day)

CURRENT (2019) - 83,000 - 85,400

PROJECTED (2040) - 110,500 - 113,700



PROJECT: I-95, Active Traffic Management

DESCRIPTION: Construct facilities to accommodate peak hour shoulder use on I-95 between MD 32 to MD 100.

JUSTIFICATION: This project will address capacity and safety concerns along I-95.

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 2019 - 24 CTP: None.

POTENTIAL FUNDING SOURCE:				☒ SPECIAL ☐ FEDERAL ☐ GENERAL ☐ OTHER							
PROJECT CASH FLOW											
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2019	CURRENT YEAR 2020	BUDGET YEAR 2021	FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
					2022.....	2023.....	2024.....	2025.....			
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	1,800	1,258	75	250	167	50	0	0	542	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	1,800	1,258	75	250	167	50	0	0	542	0	
Federal-Aid	0	0	0	0	0	0	0	0	0	0	

CLASSIFICATION:

STATE - Urban Interstate

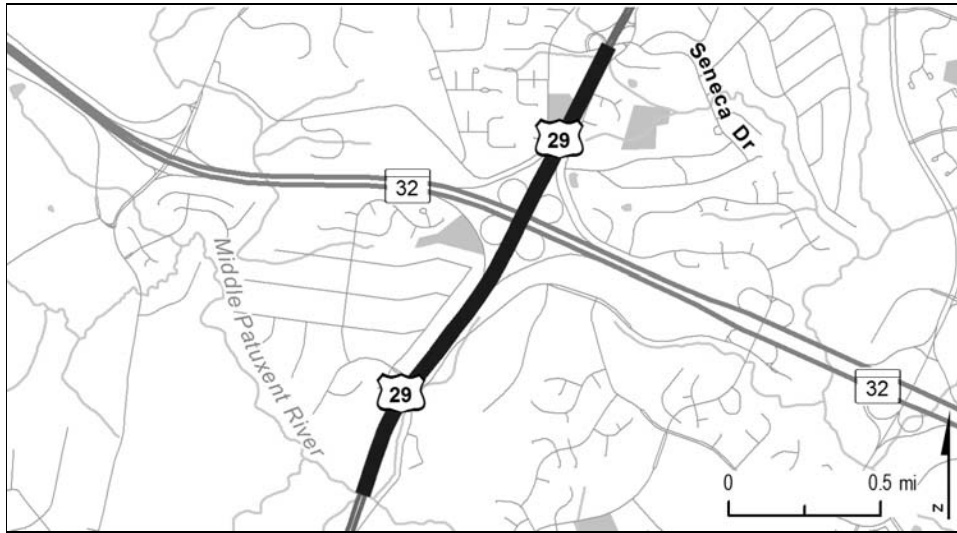
FEDERAL - Interstate

STATE SYSTEM: Primary

Annual Average Daily Traffic (vehicles per day)

CURRENT (2019) - 210,200 - 218,000

PROJECTED (2040) - 221,600 - 233,100



PROJECT: US 29, Columbia Pike

DESCRIPTION: Widen the northbound section of US 29 from the Middle Patuxent River to Seneca Drive (Phase 2) from 2 to 3 lanes (1.7 miles).

JUSTIFICATION: This project will improve safety and reduce congestion by upgrading northbound US 29 to match the southbound section, which is currently three lanes.

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: Project on hold.

SIGNIFICANT CHANGE FROM FY 2019 - 24 CTP: Funding reduced \$2.0 million is due to mandated increased transit operating and capital spending and lowered tax revenue forecast.

POTENTIAL FUNDING SOURCE:				☒ SPECIAL	☒ FEDERAL	☐ GENERAL	☐ OTHER					
<u>PROJECT CASH FLOW</u>												
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2019	CURRENT YEAR 2020	BUDGET YEAR 2021	<u>FOR PLANNING PURPOSES ONLY</u>				SIX YEAR TOTAL	BALANCE TO COMPLETE		
					2022....	2023....	2024....	2025....				
Planning	0	0	0	0	0	0	0	0	0	0	0	
Engineering	665	665	0	0	0	0	0	0	0	0	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	0	
Construction	0	0	0	0	0	0	0	0	0	0	0	
Total	665	665	0	0	0	0	0	0	0	0	0	
Federal-Aid	0	0	0	0	0	0	0	0	0	0	0	

CLASSIFICATION:

STATE - Principal Arterial

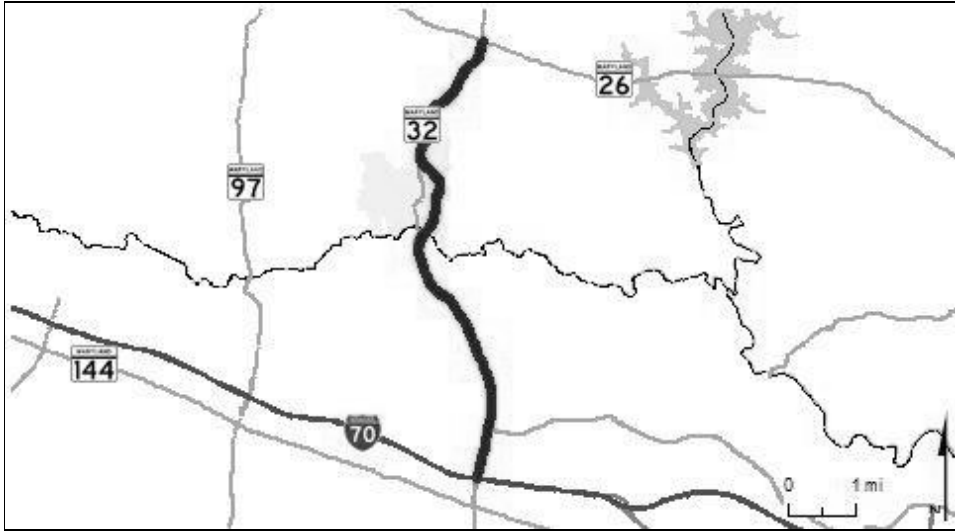
FEDERAL - Freeway/Expressway

STATE SYSTEM: Primary

Annual Average Daily Traffic (vehicles per day)

CURRENT (2019) - 47,150

PROJECTED (2040) - 66,025



PROJECT: MD 32, Sykesville Road

DESCRIPTION: Planning study to determine potential safety and capacity improvements on MD 32 from MD 26 (Liberty Road) to I-70 (7.5 miles).

JUSTIFICATION: Road connects high growth area of Carroll County with growing job markets in Howard County.

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 32, MD 108 to Linden Church Road (Line 1)

MD 32, Linden Church Road to I-70 (Line 2)

MD 26, Liberty Reservoir to MD 32, Carroll County, (Line 4)

STATUS: Study complete.

SIGNIFICANT CHANGE FROM FY 2019 - 24 CTP: None.

POTENTIAL FUNDING SOURCE:		☒ SPECIAL ☐ FEDERAL ☐ GENERAL ☐ OTHER							
PHASE	TOTAL		PROJECT CASH FLOW						
	ESTIMATED COST (\$000)	EXPEND THRU 2019	CURRENT YEAR 2020	BUDGET YEAR 2021	FOR PLANNING PURPOSES ONLY				
					2022.....	2023.....	2024.....	2025.....	SIX YEAR TOTAL
Planning	702	702	0	0	0	0	0	0	0
Engineering	0	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0
Total	702	702	0	0	0	0	0	0	0
Federal-Aid	0	0	0	0	0	0	0	0	0

CLASSIFICATION:

STATE - Major Collector

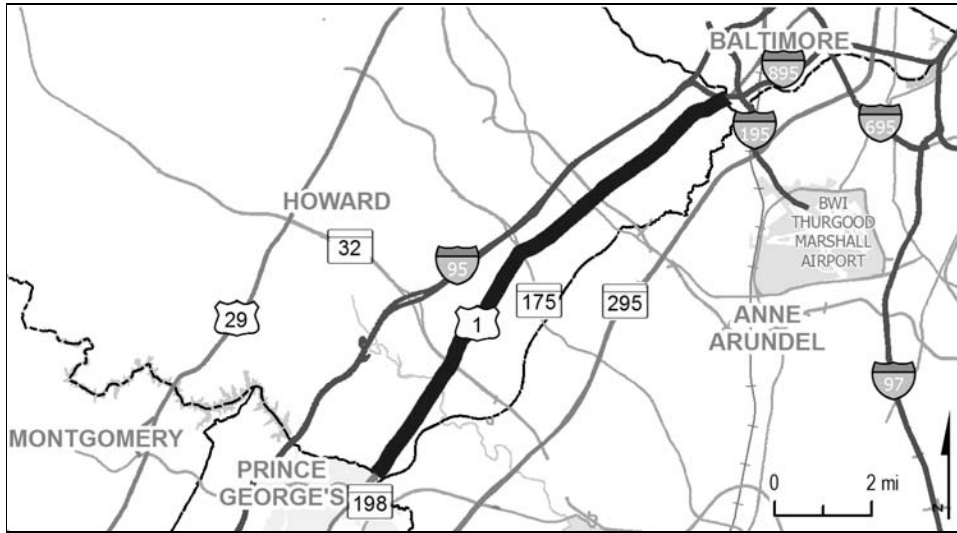
FEDERAL - Minor Arterial

STATE SYSTEM: Primary

Annual Average Daily Traffic (vehicles per day)

CURRENT (2019) - 22,300 - 28,700

PROJECTED (2040) - 36,100 - 40,300



PROJECT: US 1, Washington Boulevard

DESCRIPTION: Study to identify potential improvements along the US 1 corridor from the Prince George's County line to the Baltimore County line, including potential interchange improvements at MD 175 (11.0 miles).

JUSTIFICATION: Improvements identified as a result of this study provide a blueprint for future State, local and developer projects, so the corridor can be developed in a manner consistent with the County's overall vision plan, and accommodate existing and future travel demand for all users.

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:
 Traffic Relief Plan (Statewide - Line 5)

STATUS: Feasibility study complete.

SIGNIFICANT CHANGE FROM FY 2019 - 24 CTP: None.

POTENTIAL FUNDING SOURCE:				☒ SPECIAL ☒ FEDERAL ☐ GENERAL ☐ OTHER							
PROJECT CASH FLOW											
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2019	CURRENT YEAR 2020	BUDGET YEAR 2021	FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
					2022.....	2023.....	2024.....	2025.....			
Planning	1,044	1,044	0	0	0	0	0	0	0	0	0
Engineering	0	0	0	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Total	1,044	1,044	0	0	0	0	0	0	0	0	0
Federal-Aid	837	837	0	0	0	0	0	0	0	0	0

CLASSIFICATION:

STATE - Minor Arterial

FEDERAL - Other Principal Arterial

STATE SYSTEM : Secondary

Annual Average Daily Traffic (vehicles per day)

CURRENT (2019) - 20,200 - 44,000

PROJECTED (2040) - 37,200 - 62,900

SAFETY, CONGESTION RELIEF, HIGHWAY AND BRIDGE PRESERVATION PROGRAM

STATE HIGHWAY ADMINISTRATION -- HOWARD COUNTY LINE 8

ITEM NO.	ROUTE NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL 2020 PROJECT COST (\$000's)	CONSTRUCTION START Status as of December 1, 2019
		<u>Fiscal Year 2019 Completions</u>		
		<u>Resurface/Rehabilitate</u>		
1		At various locations in Howard County; mill and resurface	17,027	Completed
2	MD 100	Structure 13144 to Anne Arundel County line; safety and resurface	2,935	Completed
3	I 70 WB	Structure 13054 to Baltimore County line; safety and resurface	3,612	Completed
		<u>Bridge Replacement/Rehabilitation</u>		
4	US 40 WB	Bridge 13055 over I-70; bridge rehabilitation	3,429	Completed
5	I 95	Bridges 1307201 and 1307202 over Little Patuxent River; clean/paint bridges	2,133	Completed
		<u>Safety/Spot Improvement</u>		
6	MD 97	Roxbury Mills Road; at Burntwoods Road; geometric improvements	3,199	Completed
		<u>TMDL Compliance</u>		
7		At various locations - Group 1; drainage improvement	853	Completed

SAFETY, CONGESTION RELIEF, HIGHWAY AND BRIDGE PRESERVATION PROGRAM

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

ITEM NO.	ROUTE NO.	DESCRIPTION AND IMPROVEMENT TYPE	2 Year (20 - 21) PROJECT COST (\$000's)	CONSTRUCTION START Status as of December 1, 2019
		<u>Fiscal Year 2020 and 2021</u>		
		<u>Resurface/Rehabilitate</u>		
8		At various locations in Howard County; mill and resurface	17,941	Under construction
9	I 95	Baltimore/Howard County line to MD 100 ramps; safety and resurface	5,185	Under construction
10		Howard County areawide concrete patching	686	FY 2020
11	MD 32	Guilford Road to Middle Patuxent Road; Safety and Resurface	3,132	Under construction
12	MD 32	At Dorsey Run Road Interchange	2,400	FY 2021
		<u>Safety/Spot Improvement</u>		
13	US 1	Washington Boulevard; at Kit Kat Road; geometric improvements	1,327	Under construction
		<u>Environmental Preservation</u>		
14	I 95	Prince George's/Howard County line to Howard/Baltimore County line - Phase 2; landscape	839	Under construction
15	I 95	IRVM, VEG MGMT - Howard/Baltimore County line to MD 216 - Phase 1; landscape	3,507	Under construction
		<u>Commuter Action Improvements</u>		
16	MD 32	Patuxent Parkway; Broken Land Parkway West Lot Park and Ride Expansion; ridesharing expansion	865	FY 2020
		<u>Intersection Capacity Improvements</u>		
17	MD 103	US 29 to Long Gate Shopping Center Entrance	4,019	FY 2021

SAFETY, CONGESTION RELIEF, HIGHWAY AND BRIDGE PRESERVATION PROGRAM

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

ITEM NO.	ROUTE NO.	DESCRIPTION AND IMPROVEMENT TYPE	2 Year (20 - 21) PROJECT COST (\$000's)	CONSTRUCTION START Status as of December 1, 2019
		<u>Fiscal Year 2020 and 2021 (cont'd)</u>		
		<u>TMDL Compliance</u>		
18		TMDL Adaptive Management at Brampton Hills Stream Restoration	92	Under construction
		<u>Enhancements</u>		
		<u>Pedestrian/Bicycle Facilities</u>		
19		Patuxent Branch Trail; paving Patuxent Branch Trail from Old Guilford Road to Vollmerhausen Road	1,092	FY 2021