



HOWARD COUNTY



PROJECT: TSMO System 1

DESCRIPTION: This project is a combination information technology and geometric improvements to address safety and operations within Transportation Systems Management and Operations (TSMO) System 1 including I-70, US 29, and US 40.

PURPOSE & NEED SUMMARY STATEMENT: This project will improving safety and operations along I-70, US 29, and US 40.

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

- | | |
|--|--|
| <input checked="" type="checkbox"/> Safe, Secure, and Resilient | <input checked="" type="checkbox"/> Quality & Efficiency |
| <input checked="" type="checkbox"/> Maintain & Modernize | <input type="checkbox"/> Environmental Protection |
| <input checked="" type="checkbox"/> Economic Opportunity & Reduce Congestion | <input type="checkbox"/> Fiscal Responsibility |
| <input type="checkbox"/> Better Transportation Choices & Connections | |

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- | | |
|---|---|
| <input type="checkbox"/> Project Inside PFA | <input type="checkbox"/> Grandfathered |
| <input type="checkbox"/> Project Outside PFA | <input type="checkbox"/> Exception Will Be Required |
| <input checked="" type="checkbox"/> PFA Status Yet to Be Determined | <input type="checkbox"/> Exception Granted |

STATUS: Feasibility study underway.

EXPLANATION: This project will improving safety and operations along I-70, US 29, and US 40.

SIGNIFICANT CHANGE FROM FY 2022 - 27 CTP: Added to the construction program. Additional project funding enabled by IIJA increases.

POTENTIAL FUNDING SOURCE:

- SPECIAL FEDERAL GENERAL OTHER

PHASE	TOTAL										
	ESTIMATED COST (\$000)	EXPENDED THRU 2022	EXPENDED IN 2022	CURRENT YEAR 2023	BUDGET YEAR 2024	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
						...2025...	...2026...	...2027...	...2028...		
Planning	400	166	166	234	0	0	0	0	0	234	0
Engineering	3,500	0	0	700	1,300	500	500	500	0	3,500	0
Right-of-way	300	0	0	0	0	0	88	106	106	300	0
Utilities	231	0	0	0	0	31	100	100	0	231	0
Construction	72,257	0	0	0	0	2,900	8,900	23,927	14,602	50,329	21,927
Total	76,887	166	166	934	1,300	3,431	9,588	24,633	14,708	54,594	21,927
Federal-Aid	70,309	0	0	640	1,210	3,234	9,079	22,719	13,692	50,574	19,735
Special	6,379	166	166	294	90	197	509	1,914	1,016	4,020	2,193
Other	0	0	0	0	0	0	0	0	0	0	0

Classification:

STATE - Principal Arterial

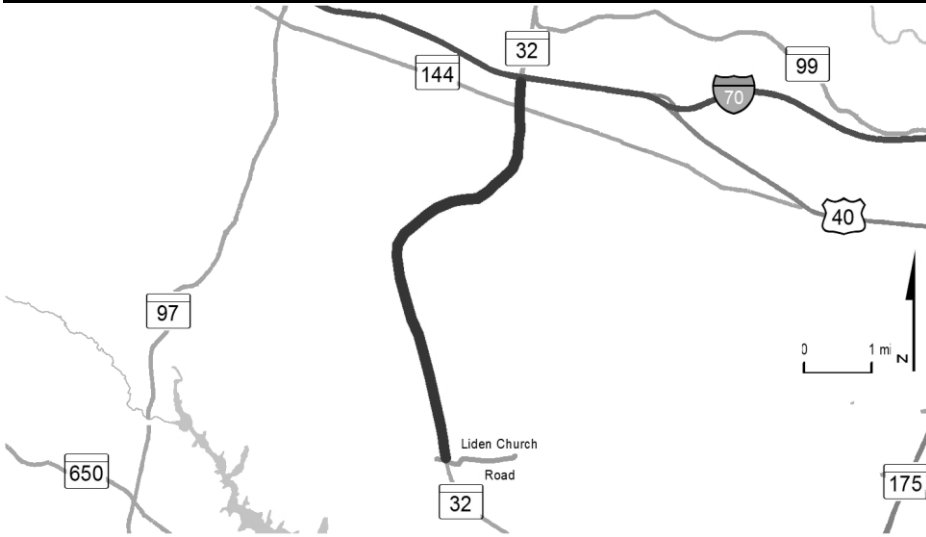
FEDERAL - Interstate

STATE SYSTEM: Primary

Estimated Annual Average Daily Traffic (vehicles per day)

CURRENT (I-70) 71,700 - 112,000;
(2022) (US 29) 92,300 - 165,700

PROJECTED (I-70) 89,600 - 128,000;
(2042) (US 29) 110,800 - 198,800



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 as a result of increasing traffic volumes on the existing two-lane roadway.

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

- Safe, Secure, and Resilient
- Maintain & Modernize
- Economic Opportunity & Reduce Congestion
- Better Transportation Choices & Connections
- Quality & Efficiency
- Environmental Protection
- Fiscal Responsibility

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- Project Inside PFA
- Project Outside PFA
- PFA Status Yet to Be Determined
- Grandfathered
- Exception Will Be Required
- Exception Granted

STATUS: Open to service.

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

SIGNIFICANT CHANGE FROM FY 2022 - 27 CTP: The cost increase of \$3.7 million is due to added engineering of an earthen berm, additional right-of-way acquisitions, capital program costs, and maintenance of traffic needs.

POTENTIAL FUNDING SOURCE:

- SPECIAL FEDERAL GENERAL OTHER

PHASE	TOTAL		EXPENDED IN 2022	CURRENT YEAR 2023	BUDGET YEAR 2024	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPENDED THRU 2022				...2025...	...2026...	...2027...	...2028...		
Planning	2,234	2,234	0	0	0	0	0	0	0	0	0
Engineering	9,296	8,343	24	580	373	0	0	0	0	953	0
Right-of-way	12,384	12,241	1,473	143	0	0	0	0	0	143	0
Utilities	4,771	24	2	4,747	0	0	0	0	0	4,747	0
Construction	101,354	87,563	23,695	13,791	0	0	0	0	0	13,791	0
Total	130,038	110,404	25,194	19,261	373	0	0	0	0	19,634	0
Federal-Aid	110,445	93,647	24,861	16,798	0	0	0	0	0	16,798	0
Special	19,593	16,757	333	2,463	373	0	0	0	0	2,836	0
Other	0	0	0	0	0	0	0	0	0	0	0

Classification:

STATE - Principal Arterial

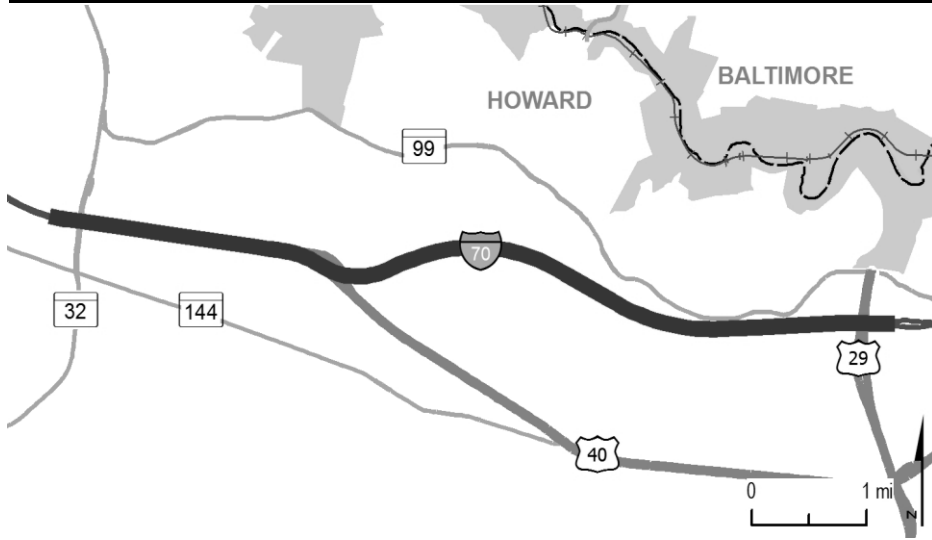
FEDERAL - Other Principal Arterial

STATE SYSTEM: Primary

Estimated Annual Average Daily Traffic (vehicles per day)

CURRENT 23500 (2022)

PROJECTED 41100 (2042)



PROJECT: I-70

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

PURPOSE & NEED SUMMARY STATEMENT: 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
 Project Outside PFA
 PFA Status Yet to Be Determined

Grandfathered
 Exception Will Be Required
 Exception Granted

STATUS: Project on hold.

SIGNIFICANT CHANGE FROM FY 2022 - 27 CTP: None.

POTENTIAL FUNDING SOURCE:

SPECIAL FEDERAL GENERAL OTHER

PHASE	TOTAL		EXPENDED IN 2022	CURRENT YEAR 2023	BUDGET YEAR 2024	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPENDED THRU 2022				...2025...	...2026...	...2027...	...2028...		
Planning	858	858	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
Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Total	858	858	0	0	0	0	0	0	0	0	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0	0
Special	858	858	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0

Classification:

STATE - Principal Arterial

FEDERAL - Interstate

STATE SYSTEM: Primary

Estimated Annual Average Daily Traffic (vehicles per day)

CURRENT 75,600 - 81,300 (2022)

PROJECTED 94,500 - 117,500 (2042)



PROJECT: I-95, Active Traffic Management

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

PURPOSE & NEED SUMMARY STATEMENT: This project will address congestion 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

STATUS: Project on hold.

SIGNIFICANT CHANGE FROM FY 2022 - 27 CTP: None.

POTENTIAL FUNDING SOURCE:

SPECIAL FEDERAL GENERAL OTHER

PHASE	TOTAL		EXPENDED IN 2022	CURRENT YEAR 2023	BUDGET YEAR 2024	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPENDED THRU 2022				...2025...	...2026...	...2027...	...2028...		
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	1,259	1,259	0	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Total	1,259	1,259	0	0	0	0	0	0	0	0	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0	0
Special	1,259	1,259	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0

Classification:

STATE - Principal Arterial

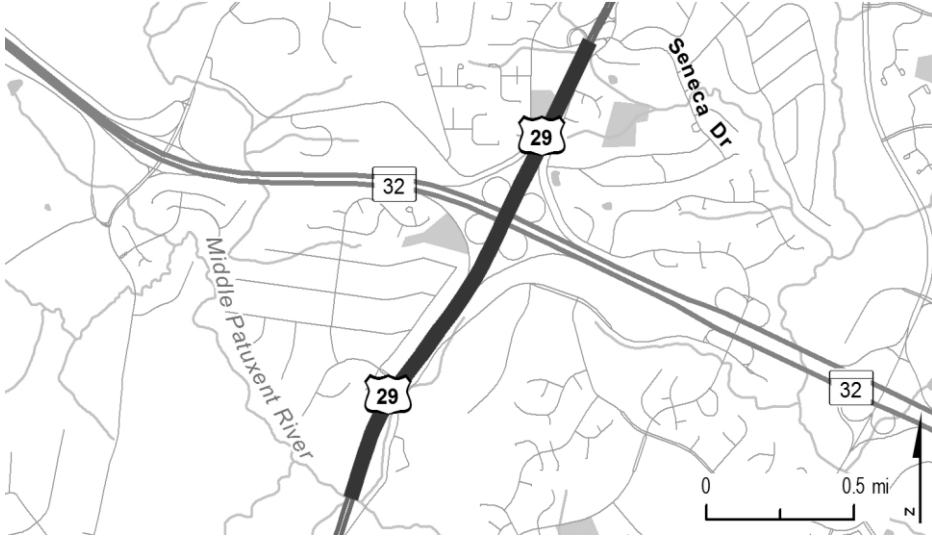
FEDERAL - Interstate

STATE SYSTEM: Primary

Estimated Annual Average Daily Traffic (vehicles per day)

CURRENT 200,000 - 207,500 (2022)

PROJECTED 228,900 - 240,900 (2042)



PROJECT: US 29, Columbia Pike

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

PURPOSE & NEED SUMMARY STATEMENT: 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

STATUS: Conducting feasibility study for improving bicycle and pedestrian access to the River's Edge community.

SIGNIFICANT CHANGE FROM FY 2022 - 27 CTP: None.

POTENTIAL FUNDING SOURCE:

SPECIAL FEDERAL GENERAL OTHER

PHASE	TOTAL		EXPENDED IN 2022	CURRENT YEAR 2023	BUDGET YEAR 2024	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPENDED THRU 2022				...2025...	...2026...	...2027...	...2028...		
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	1,186	686	2	500	0	0	0	0	0	500	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Total	1,186	686	2	500	0	0	0	0	0	500	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0	0
Special	1,186	686	2	500	0	0	0	0	0	500	0
Other	0	0	0	0	0	0	0	0	0	0	0

Classification:

STATE - Principal Arterial

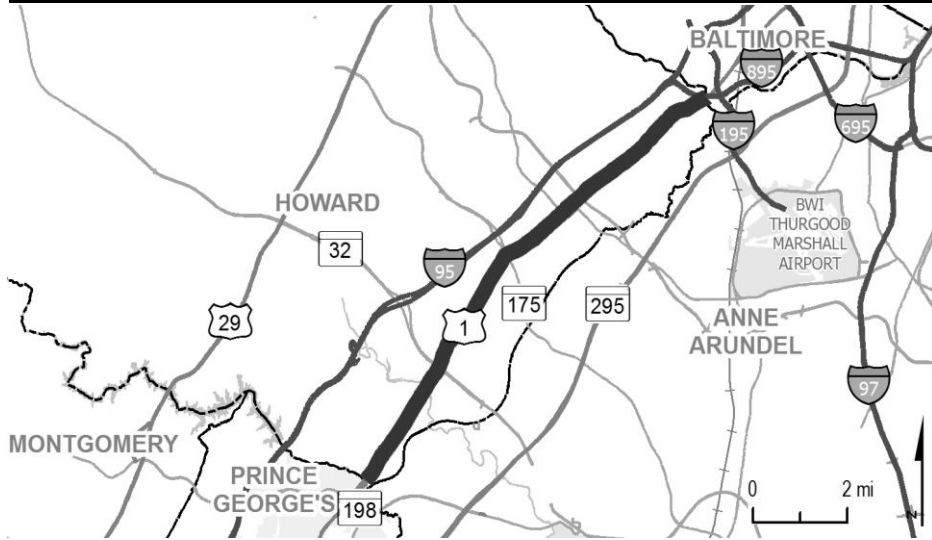
FEDERAL - Freeway/Expressway

STATE SYSTEM: Primary

Estimated Annual Average Daily Traffic (vehicles per day)

CURRENT 44700 (2022)

PROJECTED 68000 (2042)



PROJECT: US 1, Washington Boulevard

DESCRIPTION: Study to identify potential improvements in 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).

PURPOSE & NEED SUMMARY STATEMENT: 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

STATUS: Feasibility study complete.

SIGNIFICANT CHANGE FROM FY 2022 - 27 CTP: None.

POTENTIAL FUNDING SOURCE:

SPECIAL FEDERAL GENERAL OTHER

PHASE	TOTAL		EXPENDED IN 2022	CURRENT YEAR 2023	BUDGET YEAR 2024	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPENDED THRU 2022				...2025...	...2026...	...2027...	...2028...		
Planning	1,043	1,043	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
Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Total	1,043	1,043	0	0	0	0	0	0	0	0	0
Federal-Aid	835	835	0	0	0	0	0	0	0	0	0
Special	209	209	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0

Classification:

STATE - Minor Arterial

FEDERAL - Other Principal Arterial

STATE SYSTEM: Secondary

Estimated Annual Average Daily Traffic (vehicles per day)

CURRENT 19,100 - 41,700 (2022)

PROJECTED 38,200 - 64,800 (2042)

MINOR PROJECTS PROGRAM
(Dollars in Thousands)

STATE HIGHWAY ADMINISTRATION - Howard County - LINE 7

PROJECT ID	ROUTE NUMBER	PROJECT NAME	TOTAL PROGRAMMED COST	STATUS
<u>Bridge Replacement/Rehabilitation</u>				
HO5131	-	CLEANING AND PAINTING OF BRIDGES 1301202, 1301301, 1301302, 1301500, 1312800, AND 1212900	\$ 1,601	FY 2023
HO1511	MD94	WOODBINE ROAD; BRIDGE 1309400 OVER I-70	\$ 5,249	Under Construction
<u>Environmental Preservation</u>				
HO1811	IS95	LANDSCAPE-PRINCE GEORGE'S/HOWARD COUNTY LINE TO HOWARD/BALTIMORE COUNTY LINE - PHASE 2	\$ 918	Completed
<u>Intersection Capacity Improvements</u>				
HO2271	MD103	MONTGOMERY ROAD; US 29 TO LONG GATE SHOPPING CENTER ENTRANCE	\$ 11,595	Under Construction
<u>Resurface/Rehabilitate</u>				
HO1301	MD32	PATUXENT PARKWAY - SAFETY AND RESURFACE - AT DORSEY RUN ROAD INTERCHANGE	\$ 3,369	Completed
XX1271	-	VARIOUS-PATCHING-AREAWIDE CONCRETE PATCHING AND OVERLAY	\$ 1,044	Completed
XY6131	-	MILL AND RESURFACE-AT VARIOUS LOCATIONS IN HOWARD COUNTY	\$ 18,041	Completed
XY7131	-	VARIOUS LOCATIONS IN HOWARD COUNTY	\$ 12,411	Under Construction
XY8131	-	AT VARIOUS LOCATIONS IN HOWARD COUNTY	\$ 13,961	Under Construction
<u>Safety/Spot Improvement</u>				
HO5111	IS95	GUARD RAIL UPGRADE ALONG THE I-95 CORRIDOR IN HOWARD COUNTY	\$ 4,357	FY 2023
HO2151	US1	WASHINGTON BOULEVARD; AT FOUR LOCATIONS BETWEEN PG COUNTY LINE AND DOCTOR PATEL DRIVE	\$ 4,720	Under Construction
<u>Sidewalks</u>				
HO1401	US1	WASHINGTON BOULEVARD-SIDEWALKS-CRESTMOUNT ROAD TO CEDAR AVENUE	\$ 2,206	Under Construction
<u>Transportation Alternatives Program</u>				
HO105C	-	DOBBIN AND MCGAW ROAD BIKEPED IMPROVEMENTS	\$ 220	Design Underway
HO5531	-	OELLA PATAPSCO RIVER BIKE AND PEDESTRIAN BRIDGE	\$ 147	FY 2023
HO4901	-	PATUXENT BRANCH TRAIL - PAVING FROM OLD GUILFORD ROAD TO VOLLMERHAUSEN ROAD	\$ 1,092	Under Construction

* Project funding enabled by IIJA increases.

