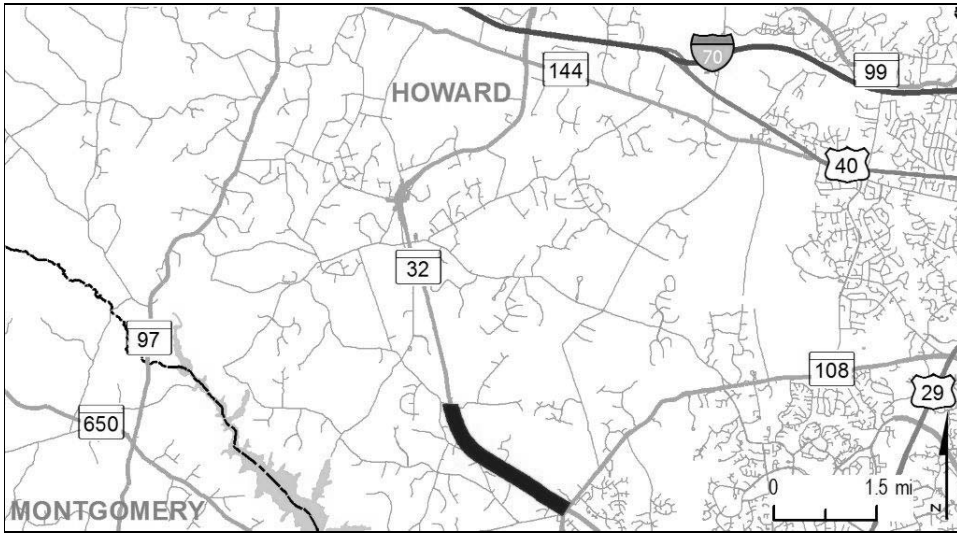




HOWARD COUNTY



PROJECT: MD 32, Sykesville Road

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

PURPOSE & NEED SUMMARY STATEMENT: This project would address 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
- System Preservation
- Quality of Service
- Environmental Stewardship
- Community Vitality
- Economic Prosperity

EXPLANATION: This project will relieve traffic congestion and address safety concerns along MD 32 in the Columbia area.

STATUS: Construction underway. County is contributing \$16.5 million to this project.

SIGNIFICANT CHANGE FROM FY 2019 - 24 CTP: None.

| PHASE | TOTAL | | PROJECT CASH FLOW | | | | | | | | SIX YEAR TOTAL | BALANCE TO COMPLETE |
|--------------|------------------------|------------------|-------------------|------------------|----------------------------|----------------|----------------|----------------|---|---|----------------|---------------------|
| | ESTIMATED COST (\$000) | EXPEND THRU 2019 | CURRENT YEAR 2020 | BUDGET YEAR 2021 | FOR PLANNING PURPOSES ONLY | | | | | | | |
| | | | | |2022..... |2023..... |2024..... |2025..... | | | | |
| Planning | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Engineering | 2,026 | 2,026 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Right-of-way | 2,077 | 1,316 | 664 | 97 | 0 | 0 | 0 | 0 | 0 | 0 | 761 | 0 |
| Construction | 40,258 | 37,871 | 2,387 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,387 | 0 |
| Total | 44,361 | 41,213 | 3,051 | 97 | 0 | 0 | 0 | 0 | 0 | 0 | 3,148 | 0 |
| Federal-Aid | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

CLASSIFICATION:

STATE - Principal Arterial

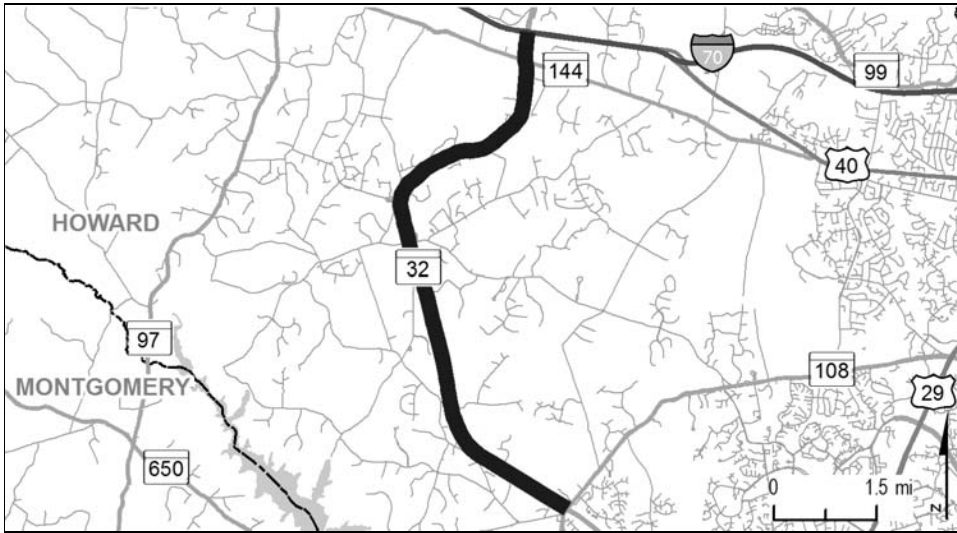
FEDERAL - Other Principal Arterial

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
- System Preservation
- Quality of Service
- Environmental Stewardship
- Community Vitality
- 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.

| PHASE | POTENTIAL FUNDING SOURCE: | | | | <input checked="" type="checkbox"/> SPECIAL <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER | | | | | SIX YEAR TOTAL | BALANCE TO COMPLETE |
|--------------|------------------------------|------------------|-------------------|------------------|---|----------------|----------------|----------------|---|----------------|---------------------|
| | TOTAL ESTIMATED COST (\$000) | EXPEND THRU 2019 | CURRENT YEAR 2020 | BUDGET YEAR 2021 | PROJECT CASH FLOW FOR PLANNING PURPOSES ONLY | | | | | | |
| | | | | |2022..... |2023..... |2024..... |2025..... | | | |
| Planning | 3,657 | 3,657 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Engineering | 7,955 | 7,955 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Right-of-way | 16,820 | 8,224 | 3,257 | 3,377 | 1,177 | 785 | 0 | 0 | 0 | 8,596 | 0 |
| Construction | 98,934 | 10,330 | 28,661 | 32,897 | 27,046 | 0 | 0 | 0 | 0 | 88,604 | 0 |
| Total | 127,366 | 30,166 | 31,918 | 36,274 | 28,223 | 785 | 0 | 0 | 0 | 97,200 | 0 |
| Federal-Aid | 120,632 | 23,512 | 31,838 | 36,274 | 28,223 | 785 | 0 | 0 | 0 | 97,120 | 0 |

CLASSIFICATION:

STATE - Principal Arterial

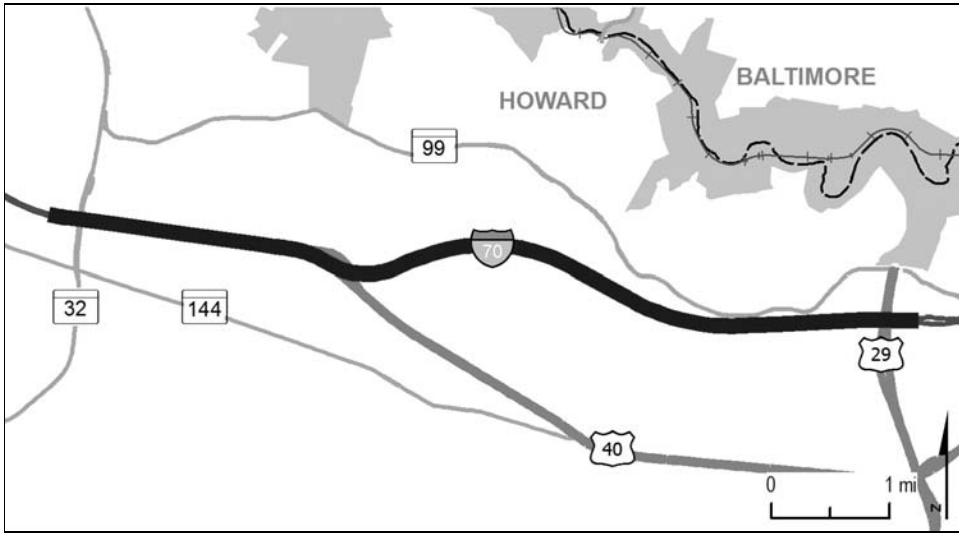
FEDERAL - Other Principal Arterial

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: | | <input checked="" type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER | | | | | | | | | |
|---------------------------|------------------------------|--|-------------------|------------------|----------------------------|----------------|----------------|----------------|---|----------------|---------------------|
| PHASE | PROJECT CASH FLOW | | | | | | | | | | |
| | 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 | 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

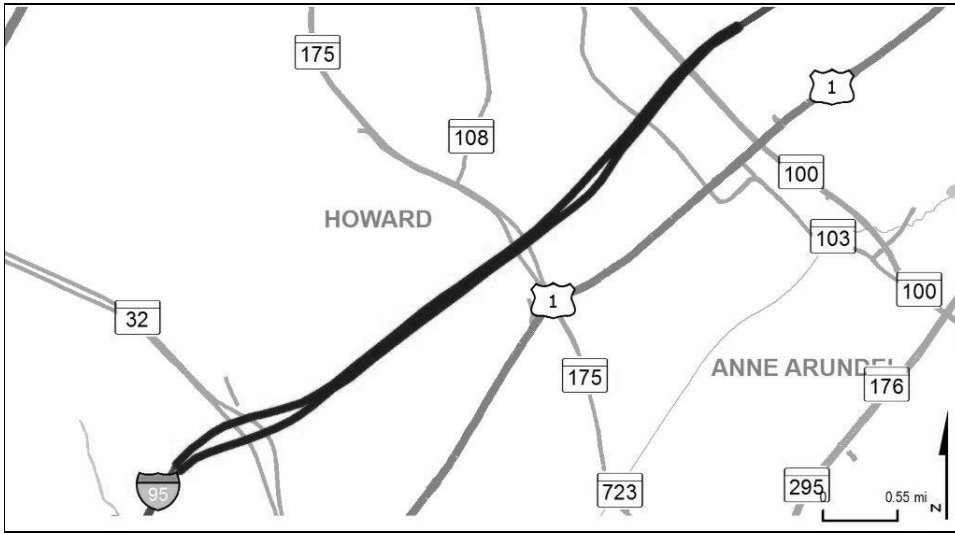
FEDERAL - Urban Interstate

STATE SYSTEM: Primary

Annual Average Daily Traffic (vehicles per day)

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

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



PROJECT: IS 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: | | <input checked="" type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER | | | | | | | | | |
|---------------------------|------------------------------|--|-------------------|------------------|----------------------------|----------------|----------------|----------------|---|----------------|---------------------|
| PHASE | PROJECT CASH FLOW | | | | | | | | | | |
| | 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 | 0 |
| Engineering | 1,800 | 1,308 | 350 | 142 | 0 | 0 | 0 | 0 | 0 | 492 | 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 | 1,800 | 1,308 | 350 | 142 | 0 | 0 | 0 | 0 | 0 | 492 | 0 |
| Federal-Aid | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

CLASSIFICATION:

STATE - Urban Interstate

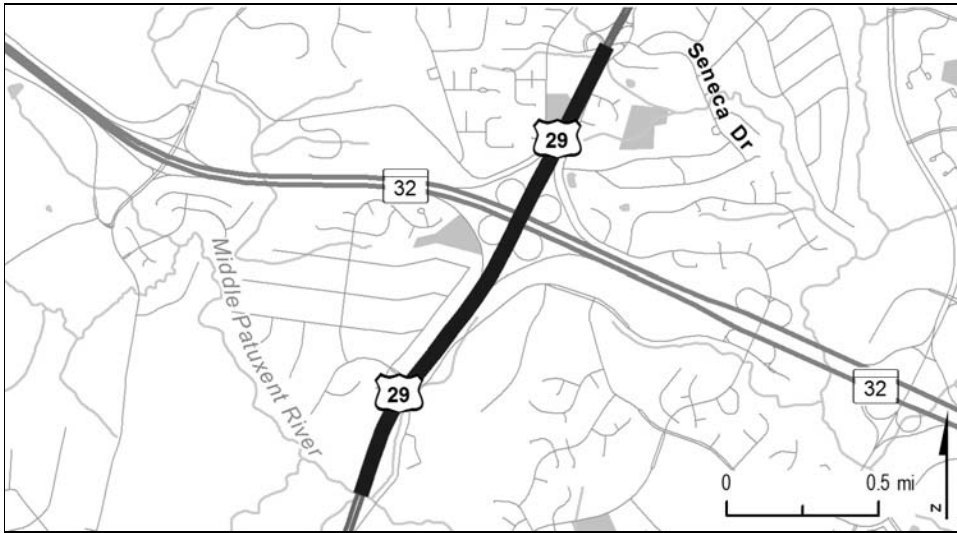
FEDERAL - Interstate

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 due to mandated increased transit operating and capital spending and lowered fuel tax revenue.

| 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 | | | | | | | | | | SIX YEAR TOTAL | BALANCE TO COMPLETE |
| | TOTAL ESTIMATED COST (\$000) | EXPEND THRU 2019 | CURRENT YEAR 2020 | BUDGET YEAR 2021 | FOR PLANNING PURPOSES ONLY | | | | | | | |
| | | | | |2022..... |2023..... |2024..... |2025..... | | | | |
| Planning | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Engineering | 662 | 662 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Right-of-way | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Construction | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 662 | 662 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Federal-Aid | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

CLASSIFICATION:

STATE - Principal Arterial

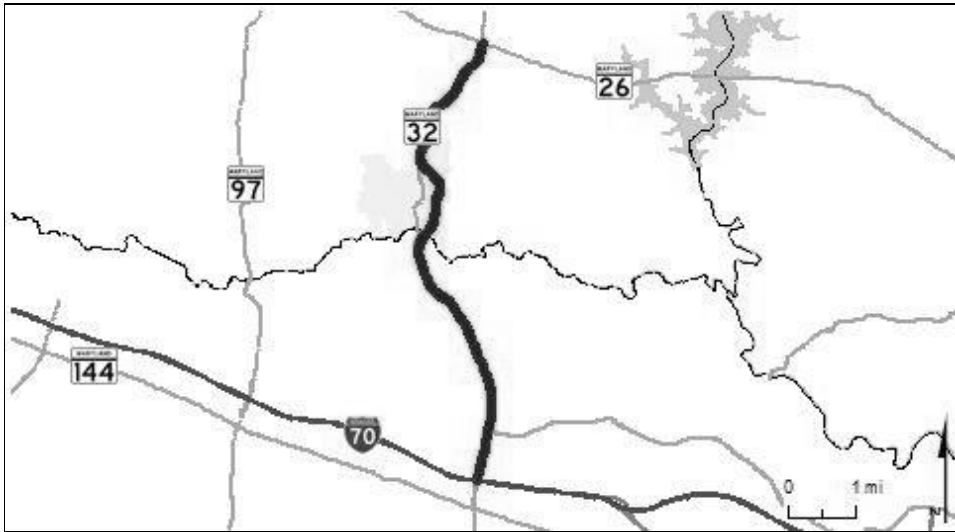
FEDERAL - Freeway/Expressway

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 3)

STATUS: Planning complete.

SIGNIFICANT CHANGE FROM FY 2019 - 24 CTP: None.

| POTENTIAL FUNDING SOURCE: | | <input checked="" type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER | | | | | | | | | | |
|---------------------------|------------------------------|--|-------------------|------------------|----------------------------|----------------|----------------|----------------|---|---|----------------|---------------------|
| PHASE | PROJECT CASH FLOW | | | | | | | | | | SIX YEAR TOTAL | BALANCE TO COMPLETE |
| | TOTAL ESTIMATED COST (\$000) | EXPEND THRU 2019 | CURRENT YEAR 2020 | BUDGET YEAR 2021 | FOR PLANNING PURPOSES ONLY | | | | | | | |
| | | | | |2022..... |2023..... |2024..... |2025..... | | | | |
| Planning | 1,250 | 1,250 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Construction | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 1,250 | 1,250 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Federal-Aid | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

CLASSIFICATION:

STATE - Major Collector

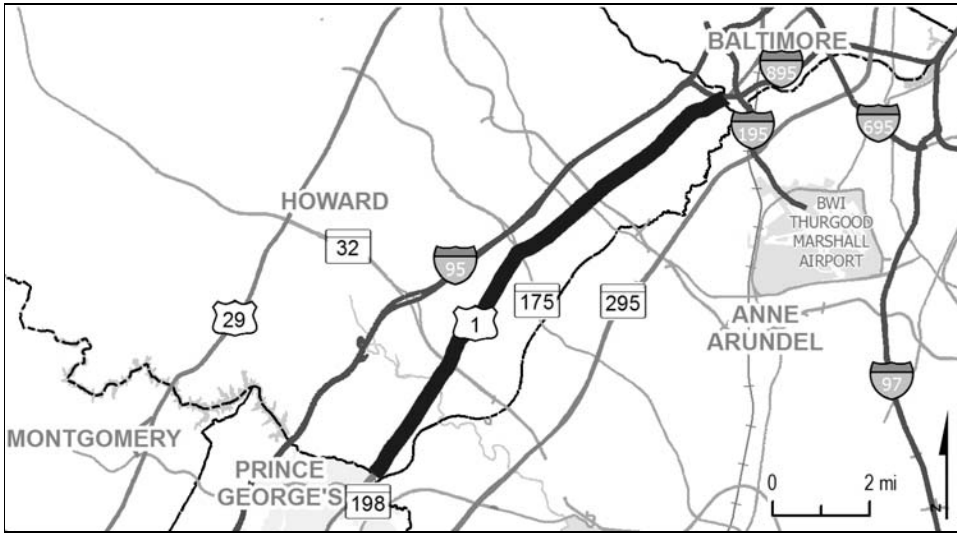
FEDERAL - Minor Arterial

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: | | <input checked="" type="checkbox"/> SPECIAL <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER | | | | | | | | | | |
|---------------------------|------------------------------|---|-------------------|------------------|----------------------------|----------------|----------------|----------------|---|---|----------------|---------------------|
| PHASE | PROJECT CASH FLOW | | | | | | | | | | SIX YEAR TOTAL | BALANCE TO COMPLETE |
| | TOTAL ESTIMATED COST (\$000) | EXPEND THRU 2019 | CURRENT YEAR 2020 | BUDGET YEAR 2021 | FOR PLANNING PURPOSES ONLY | | | | | | | |
| | | | | |2022..... |2023..... |2024..... |2025..... | | | | |
| Planning | 1,044 | 1,044 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Construction | 0 | 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 | 0 |
| Federal-Aid | 837 | 837 | 0 | 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 2018 PROJECT COST (\$000's) | CONSTRUCTION START Status as of August 1, 2019 |
|----------|-----------|--|-----------------------------------|---|
| 1 | | <p align="center"><u>Fiscal Year 2019 Completions</u></p> <p align="center"><u>Resurface/Rehabilitate</u></p> <p>At various locations in Howard County; mill and resurface</p> | 17,027 | Completed |
| 2 | MD 97 | <p align="center"><u>Safety/Spot Improvement</u></p> <p>Roxbury Mills Road; at Burntwoods Road; geometric improvements</p> | 3,199 | 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 August 1, 2019 |
|---|-----------|--|---|---|
| <u>Fiscal Year 2020 and 2021</u> | | | | |
| <u>Resurface/Rehabilitate</u> | | | | |
| 3 | | At various locations in Howard County; mill and resurface | 17,941 | Under construction |
| 4 | I 70 WB | Structure 13054 to Baltimore County line; safety and resurface | 3,612 | Under construction |
| 5 | I 95 | Baltimore/Howard County line to MD 100 ramps; safety and resurface | 5,185 | Under construction |
| 6 | MD 100 | Structure 13144 to Anne Arundel County line; safety and resurface | 2,935 | Under construction |
| 7 | | Howard County areawide concrete patching. | 686 | FY 2020 |
| 8 | MD0032 | Guilford Road to Middle Patuxent Road; Safety and Resurface | 3,132 | Under construction |
| 9 | MD0032 | at Dorsey Run Road Interchange | 2,400 | FY 2020 |
| <u>Bridge Replacement/Rehabilitation</u> | | | | |
| 10 | US 40 WB | Bridge 13055 over I-70; bridge rehabilitation | 3,429 | Under construction |
| 11 | I 95 | Bridge 1307201 and 1307202 over Little Patuxent River; clean/paint bridges | 2,133 | Under construction |
| <u>Safety/Spot Improvement</u> | | | | |
| 12 | US 1 | Washington Boulevard; at Kit Kat Road; geometric improvements | 1,327 | Under construction |
| <u>Environmental Preservation</u> | | | | |
| 13 | | Vegetation management on select mitigation sites in Howard County (D7) | 16 | Under construction |

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 August 1, 2019 |
|----------|-----------|--|---|---|
| | | <u>Fiscal Year 2020 and 2021 (cont'd)</u> | | |
| | | <u>Environmental Preservation (cont'd)</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 2020 |
| | | <u>TMDL Compliance</u> | | |
| 18 | | Vegetation management for select TMDL sites in District 7 | 10 | Under construction |
| 19 | | At various locations - Group 1; drainage improvement | 853 | Under construction |
| 20 | | TMDL Adaptive Management at Brampton Hills Stream Restoration | 92 | Under construction |
| | | <u>Enhancements</u> | | |
| | | <u>Pedestrian/Bicycle Facilities</u> | | |
| 21 | | Patuxent Branch Trail; paving Patuxent Branch Trail from Old Guilford Road to Vollmerhausen Road | 1,092 | FY 2020 |