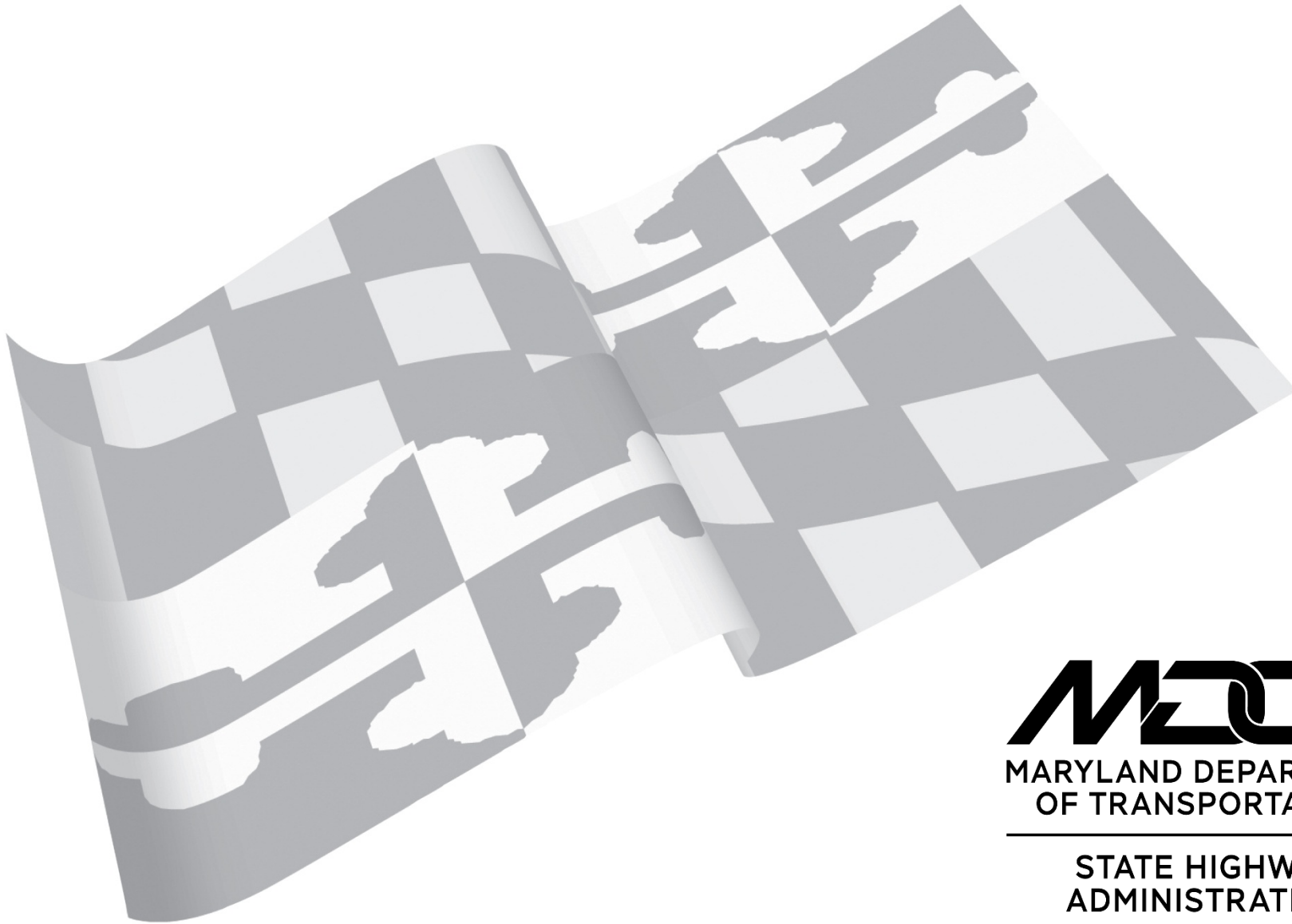




MDOT
MARYLAND DEPARTMENT
OF TRANSPORTATION

STATE HIGHWAY
ADMINISTRATION

MDOT SHA STATEWIDE



PROJECT: Coordinated Highway Action Response Team (CHART)

DESCRIPTION: Install advanced traffic management system (ATMS) and advanced traffic information system (ATIS) technologies on Interstate highways and arterials statewide. Technologies include cameras, traffic detectors, weather sensors, dynamic message signs, highway advisory radios, web sites and telecommunication networks. CHART is comprised of five major components: 1) Traffic and Roadway Monitoring; 2) Incident Management; 3) "511" - Traveler's Information; 4) System Integration and Communication; 5) Traffic Management.

PURPOSE & NEED SUMMARY STATEMENT: Heavy volumes of traffic, stop-and-go commuter peaks, and lack of comprehensive information regarding current, real-time conditions on available alternatives contribute to and compound the effects of unexpected incidents. With the growth in traffic outpacing MDOT SHA's ability to expand capacity through building new highways, or expanding existing ones, it is imperative to operate the existing system more efficiently through the application of Intelligent Transportation System technologies and interagency teamwork.

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 ☐ Environmental Stewardship
☒ System Preservation ☒ Community Vitality
☒ Quality of Service ☒ Economic Prosperity

EXPLANATION: Projects in the CHART program will aid in the reduction of travel time, reduce congestion and provide critical traffic information for the traveling public, which improves movement of both passengers and freight. Messages on dynamic message boards provide information to aid in the safety and security of travelers.

STATUS: This represents a summary of the Statewide CHART program. Individual projects are shown in the MDOT State Highway Administration's Safety, Congestion Relief, Highway and Bridge Preservation Program.

SIGNIFICANT CHANGE FROM FY 2019 - 24 CTP: Funding decreased by \$7.7M due to mandated increased transit operating and capital spending and lowered fuel tax revenue forecast.

POTENTIAL FUNDING SOURCE:

☒ SPECIAL ☒ FEDERAL ☐ GENERAL ☐ OTHER

PROJECT CASH FLOW

PHASE	TOTAL		CURRENT YEAR 2020	BUDGET YEAR 2021	FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2019			2022.....	2023.....	2024.....	2025.....		
Planning	49,820	2,300	8,770	7,550	7,550	7,550	8,050	8,050	47,520	0
Engineering	31,782	7,180	4,280	3,990	3,900	4,580	4,018	3,834	24,602	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	42,898	12,420	7,650	10,060	5,850	2,370	2,232	2,316	30,478	0
Total	124,500	21,900	20,700	21,600	17,300	14,500	14,300	14,200	102,600	0
Federal-Aid	69,931	9,636	11,799	12,096	10,034	8,410	9,152	8,804	60,295	0

CLASSIFICATION:

STATE - N/A

FEDERAL - N/A

STATE SYSTEM: N/A

Annual Average Daily Traffic (vehicles per day)

CURRENT (2019) - N/A

PROJECTED (2035) - N/A

**PROJECT:** Sidewalk Program**DESCRIPTION:** This program provides matching funds for the construction of sidewalks adjacent to State highways.**PURPOSE & NEED SUMMARY STATEMENT:** Program supports community revitalization efforts and efforts to encourage pedestrian usage along State highways.**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 | ☒ Environmental Stewardship |
| ☒ System Preservation | ☒ Community Vitality |
| ☒ Quality of Service | ☐ Economic Prosperity |

EXPLANATION: This program supports community revitalization and other efforts to encourage pedestrian usage along State Highways. It also provides safer access to transit service for both bus and fixed rail systems.**STATUS:** This sheet represents a summary of the Program. Individual projects are shown in SHA's Safety, Congestion Relief, Highway and Bridge Preservation Program.**SIGNIFICANT CHANGE FROM FY 2019 - 24 CTP:** None.

POTENTIAL FUNDING SOURCE:					☒ SPECIAL ☐ FEDERAL ☐ GENERAL ☐ OTHER				
PHASE	TOTAL				PROJECT CASH FLOW				
	ESTIMATED	EXPEND	CURRENT	BUDGET	FOR PLANNING PURPOSES ONLY				
	COST (\$000)	THRU 2019	YEAR 2020	YEAR 2021	2022.....	2023.....	2024.....	2025.....	SIX YEAR TOTAL
Planning	1,650	200	200	250	250	250	250	250	1,450
Engineering	10,850	1,550	1,550	1,550	1,550	1,550	1,550	1,550	9,300
Right-of-way	0	0	0	0	0	0	0	0	0
Construction	24,900	2,150	650	1,200	5,100	5,600	6,000	4,200	22,750
Total	37,400	3,900	2,400	3,000	6,900	7,400	7,800	6,000	33,500
Federal-Aid	0	0	0	0	0	0	0	0	0

CLASSIFICATION:

STATE - N/A

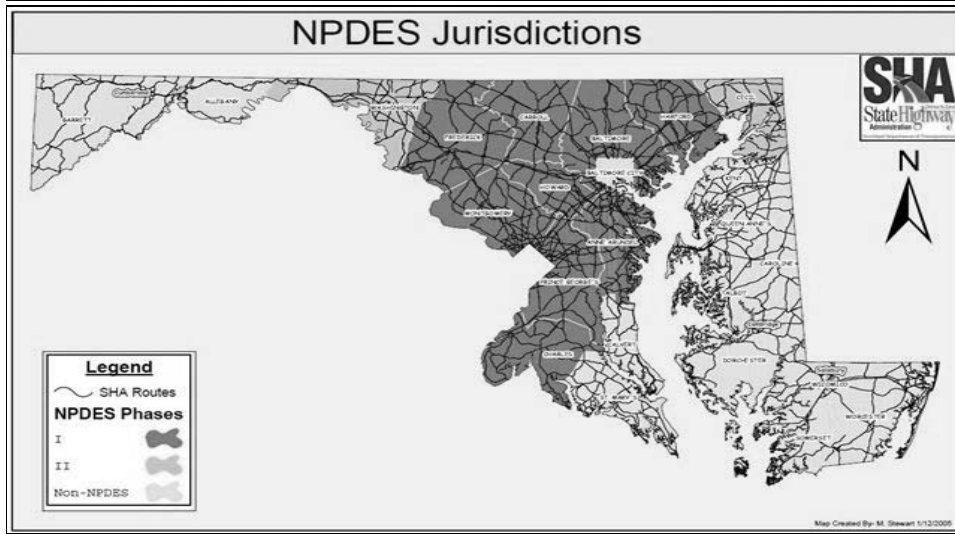
FEDERAL - N/A

STATE SYSTEM : N/A

Annual Average Daily Traffic (vehicles per day)

CURRENT (2019) - N/A

PROJECTED (2040) - N/A

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

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

EXPLANATION: Implement strategies through the year 2025 that will primarily reduce nitrogen, phosphorus and sediment loads in waters that drain to the Chesapeake Bay from MDOT SHA-owned roads and coverage areas. Implementation Strategies to include: Structural and Non-Structural Best Management Practices; Environmentally Sensitive Designs; Stream and Wetland Restoration; and Afforestation.

PROJECT: Total Maximum Daily Load (TMDL) Program

DESCRIPTION: Plan, design, and construct storm water controls and alternative water quality improvement strategies in Maryland Phase I and Phase II Counties in order to meet the US Environmental Protection Agency's (EPA) Chesapeake Bay Total Maximum Daily Load (TMDL) requirements by the year 2025. These strategies support the goal of protecting and restoring the Chesapeake Bay watershed. The implementation will follow the State of Maryland's commitment in its Watershed Implementation Phase I Plan (WIP I).

PURPOSE & NEED SUMMARY STATEMENT: The MDOT SHA is required to adhere to the Chesapeake Bay TMDL and local TMDLs as a result of its National Pollutant Discharge Elimination System (NPDES) Phase I and Phase II Municipal Separate Storm Sewer System Permit (MS4). This programmatic effort is needed to ensure permit compliance and supports the ultimate goal of improved water quality in Maryland streams, creeks, rivers, and the Chesapeake Bay.

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

ASSOCIATED IMPROVEMENTS:

Innovative Stormwater Pond Management Pilot Program (TSO - Line 6, Item No. 29)

STATUS: Planning, Engineering, Right-of-Way, and Construction underway.

SIGNIFICANT CHANGE FROM FY 2019 - 24 CTP: Funding was reduced by \$98M due to an increase in projected pollutant reduction loads from water quality improvement strategies that have or will be implemented by 2025.

POTENTIAL FUNDING SOURCE:

☒ SPECIAL ☒ FEDERAL ☐ GENERAL ☐ OTHER

PROJECT CASH FLOW

PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2019			2022	2023	2024	2025		
Planning	37,013	24,013	5,500	5,500	500	500	500	500	13,000	0
Engineering	202,872	141,072	14,900	14,900	8,000	8,000	8,000	8,000	61,800	0
Right-of-way	9,555	5,555	1,000	1,000	500	500	500	500	4,000	0
Construction	359,260	201,760	68,600	47,700	6,000	6,000	15,100	14,100	157,500	0
Total	608,700	372,400	90,000	69,100	15,000	15,000	24,100	23,100	236,300	0
Federal-Aid	109,600	55,500	24,700	13,800	3,000	3,000	4,900	4,700	54,100	0

CLASSIFICATION:

STATE - N/A

FEDERAL - N/A

STATE SYSTEM : N/A

Annual Average Daily Traffic (vehicles per day)

CURRENT (2019) - N/A

PROJECTED (2040) - N/A



PROJECT: Traffic Relief Plan Smart Traffic Signals

DESCRIPTION: The system uses real-time traffic conditions and computer software that adjusts the timing of traffic signals, synchronizes the entire corridor, and effectively deploys artificial intelligence to keep traffic moving.

PURPOSE & NEED SUMMARY STATEMENT: Deploying cutting-edge Smart Traffic Signals will improve traffic operation and ease congestion.

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 | ☐ Environmental Stewardship |
| ☒ System Preservation | ☒ Community Vitality |
| ☒ Quality of Service | ☐ Economic Prosperity |

EXPLANATION: The Smart Traffic Signals will improve traffic operations and reduce congestion.

STATUS: Engineering and Construction underway.

SIGNIFICANT CHANGE FROM FY 2019 - 24 CTP: \$20.1M was deferred outside the 6-year program due to mandated increased transit operating and capital spending and lowered fuel tax revenue forecast.

POTENTIAL FUNDING SOURCE:					☒ SPECIAL ☒ FEDERAL ☐ GENERAL ☒ OTHER				
PHASE	TOTAL				PROJECT CASH FLOW				
	ESTIMATED	EXPEND	CURRENT	BUDGET	FOR PLANNING PURPOSES ONLY				
	COST (\$000)	THRU 2019	YEAR 2020	YEAR 2021	2022	2023	2024	2025	SIX YEAR TOTAL
Planning	1,487	197	948	171	171	0	0	0	1,290
Engineering	3,313	440	1,060	421	348	348	348	348	2,873
Right-of-way	0	0	0	0	0	0	0	0	0
Construction	45,500	2,103	6,058	7,389	1,569	2,747	2,747	2,740	23,250
Total	50,300	2,740	8,066	7,981	2,088	3,095	3,095	3,088	27,413
Federal-Aid	19,158	1,414	5,362	5,055	1,388	1,981	1,981	1,977	17,744

CLASSIFICATION:

STATE - N/A

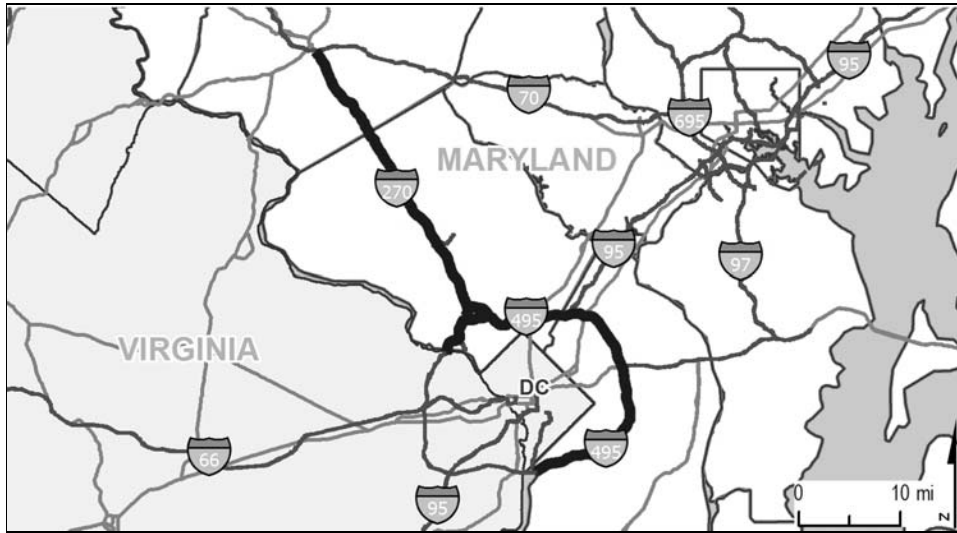
FEDERAL - N/A

STATE SYSTEM: N/A

Annual Average Daily Traffic (vehicles per day)

CURRENT (2019) - N/A

PROJECTED (2040) - N/A



PROJECT: I-270, Eisenhower Memorial Highway, and I-495, Capital Beltway

DESCRIPTION: Planning activities in support of the Traffic Relief Plan, which will implement managed lanes along I-270 and I-495.

JUSTIFICATION: I-270 and I-495 experience severe congestion.

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:

I-270, Interchange Construction at Watkins Mill Road (Montgomery County Line 1)

I-270, Innovative Congestion Management (Montgomery County Line 2)

I-95/I-495, Bridge Replacements over Suitland Road (Prince George's County Line 1)

MD 4, Interchange at Suitland Parkway (Prince George's County Line 4)

I-95/I-495, Interchange Reconstruction at Greenbelt Metro Station (Prince George's County Line 15)

STATUS: Planning underway. MDOT is funding planning activities in advance of awarding a contract for design and construction to a private partner, as part of a public/private partnership. Any upfront expenses will be reimbursed at the close of the public/private partnership.

SIGNIFICANT CHANGE FROM FY 2019 - 24 CTP: Allocated \$9.5 million to advance the construction of the stream and wetland mitigation associated with the project.

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	130,130	43,849	55,000	31,281	0	0	0	0	86,281	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	9,500	0	1,516	3,418	4,566	0	0	0	9,500	0
Total	139,630	43,849	56,516	34,699	4,566	0	0	0	95,781	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

CLASSIFICATION:

STATE - Principal Arterial

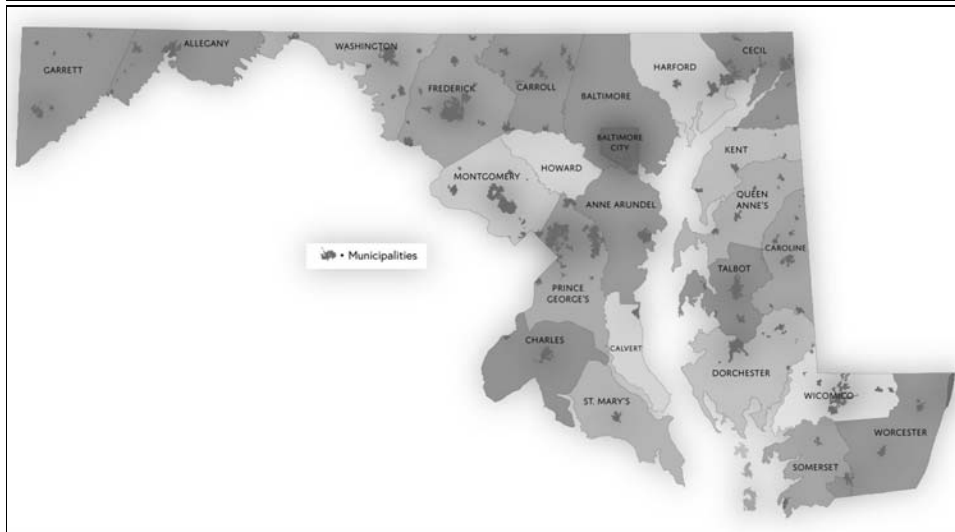
FEDERAL - Interstate

STATE SYSTEM: Primary

Annual Average Daily Traffic (vehicles per day)

CURRENT (2019) - N/A

PROJECTED (2040) - N/A



PROJECT: Highway User Revenue

DESCRIPTION: Highway User Revenue (HUR) are funds that are distributed from the Transportation Trust Fund to Baltimore City, local counties and municipalities for the benefit of local road systems. The calculation of local funding is based on a formula that incorporates roadway lane miles maintained by the jurisdiction and the number of registered vehicles in that jurisdiction.

JUSTIFICATION: Chapter 330, Laws of Maryland 2018 increases the allocation of HUR to Baltimore City, the Counties and the Municipalities from 9.6% to 13.5% of the funds credited to the Gasoline and Motor Vehicle Revenue Account (GMVRA). This increased allocation is for five fiscal years (FY 2020 - FY 2025). Chapter 330 also changes the definition of HUR from funds in the GMVRA to capital grants appropriated to the local jurisdictions. These changes are effective July 1, 2019. This change increases local transportation funding and is included in the 6-year CTP total funding level.

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: Funding ongoing.

SIGNIFICANT CHANGE FROM FY 2019 - 24 CTP: Project cost increased \$214.6M due to the addition of FY 25.

POTENTIAL FUNDING SOURCE:				☒ SPECIAL ☐ FEDERAL ☐ GENERAL ☐ OTHER							
PHASE	PROJECT CASH FLOW										
	TOTAL									SIX	BALANCE
	ESTIMATED	EXPEND	CURRENT	BUDGET						YEAR	TO
	COST	THRU	YEAR	YEAR	FOR PLANNING PURPOSES ONLY					COMPLETE	
	(\$000)	2019	2020	2021	2022.....	2023.....	2024.....	2025.....	TOTAL		
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	0	0	0	0	0	0	0	0	0	0	
Construction	1,541,139	0	259,016	264,371	269,679	274,255	275,673	198,145	1,541,139	0	
Total	1,541,139	0	259,016	264,371	269,679	274,255	275,673	198,145	1,541,139	0	
Federal-Aid	0	0	0	0	0	0	0	0	0	0	

CLASSIFICATION:

STATE - N/A

FEDERAL - N/A

STATE SYSTEM : N/A

Annual Average Daily Traffic (vehicles per day)

CURRENT (2019) - N/A

PROJECTED (2040) - N/A

SAFETY, CONGESTION RELIEF, HIGHWAY AND BRIDGE PRESERVATION PROGRAM

STATE HIGHWAY ADMINISTRATION -- STATE WIDE LINE 7

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 District 1 - ultra thin bonded wearing course; surface treatment	4,251	Completed
2		At various locations in District 4; surface treatment	1,548	Completed
3		At various locations in District 4; joint sealing	1,572	Completed
4		At various locations on I-70, I-95, I-195, I-795, I-83, I-695, MD 695 and MD 295; safety and resurface	8,555	Completed
5		At various routes in Carroll, Frederick and Howard Counties; guard rail	2,003	Completed
		<u>Bridge Replacement/Rehabilitation</u>		
6		At various locations - statewide; bridge joint rehabilitate	1,154	Completed
7		At various bridges in District 7; clean/paint bridges	2,195	Completed
8		Various bridges on various routes in District 5; clean/paint bridges	1,714	Completed
9		Provide maintenance of traffic and access equipment for bridge inspection - contract 2; bridge inspection	2,903	Completed
10		Providing maintenance of traffic and access equipment for bridge inspection; bridge inspection	2,589	Completed
11		Preservation and minor rehab of fixed bridges, culverts and retaining walls-statewide; bridge rehabilitation	11,980	Completed
12		Preservation and minor rehab of fixed bridges, culverts and retaining walls-statewide; bridge rehabilitation	11,908	Completed

SAFETY, CONGESTION RELIEF, HIGHWAY AND BRIDGE PRESERVATION PROGRAM

STATE HIGHWAY ADMINISTRATION -- STATE WIDE LINE 7 (cont'd)

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 (cont'd)</u>		
		<u>Bridge Replacement/Rehabilitation (cont'd)</u>		
13		Preservation and minor rehab of fixed bridges, culverts and retaining walls-statewide; bridge rehabilitation	12,030	Completed
14		At various locations in District 6; bridge rehabilitation	2,860	Completed
15		Preservation and minor rehab of fixed bridges, culverts and retaining walls-statewide; bridge rehabilitation	12,072	Completed
16		Preservation and minor rehab of fixed bridges, culverts and walls - Contract 2; bridge rehabilitation	11,322	Completed
17		Preservation and minor rehab of fixed bridges, culverts and walls - Contract 4; bridge rehabilitation	13,049	Completed
18		Substructure preservation of fixed bridges - statewide; bridge rehabilitation	210	Completed
		<u>Safety/Spot Improvement</u>		
19		ADA sidewalk construction in District 5; sidewalks	3,376	Completed
20		At various locations in District 1; sidewalks	3,421	Completed
21		At various locations in District 2; sidewalks	2,943	Completed
22		At various locations in District 4; RPM	753	Completed
23		Tree trimming/removal at various locations in Prince George's and Montgomery Counties; safety	523	Completed
24		At various locations in District 5; rumble strips	416	Completed

SAFETY, CONGESTION RELIEF, HIGHWAY AND BRIDGE PRESERVATION PROGRAM

STATE HIGHWAY ADMINISTRATION -- STATE WIDE LINE 7 (cont'd)

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 (cont'd)</u>		
		<u>Safety/Spot Improvement (cont'd)</u>		
25		At various locations statewide; drainage improvement	3,312	Completed
26		At various locations in District 4; sidewalks	2,995	Completed
27		ADA at various locations in District 1; sidewalks	4,541	Completed
28		At various locations statewide - Stormwater/drainage asset remediation; drainage improvement	3,582	Completed
29		At various locations in District 6; sidewalks	3,392	Completed
30		At various locations in District 3; sidewalks	3,494	Completed
31		Various locations in District 7; ADA compliance	2,515	Completed
32		At various locations in District 1 and 2; pavement marking	899	Completed
33		Various locations in District 3, 4, 5, 6 and 7; pavement marking	1,713	Completed
34	US 40	Baltimore National Pike; Bethany Lane to Tyson Road and Johnnycake Road to Coleridge Road; guard rail	753	Completed
35		At various locations in Anne Arundel, Calvert, Charles and St. Mary's Counties; drainage improvements Funding provided by the Governor's Investment in Highways and Bridges Initiative	3,927	Completed
		<u>Traffic Management</u>		
36		At various locations in Districts 1 and 2; signalization	3,809	Completed

SAFETY, CONGESTION RELIEF, HIGHWAY AND BRIDGE PRESERVATION PROGRAM

STATE HIGHWAY ADMINISTRATION -- STATE WIDE LINE 7 (cont'd)

ITEM NO.	ROUTE NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL 2020 PROJECT COST (\$000's)	CONSTRUCTION START Status as of December 1, 2019	
Fiscal Year 2019 Completions (cont'd)					
C.H.A.R.T. Projects					
37	MD 295	CHART CCTV Deployment (Phase 5B) in Anne Arundel, Baltimore, Carroll and Howard Counties	2,813	Completed	
38		CHART CCTV Deployment (Phase 5A) in Dorchester, Frederick, Montgomery, Prince George's, Queen Anne's, Talbot, Wicomico, Worcester Counties	1,562	Completed	
39		Road Weather Information Systems Upgrade	500	Completed	
40		CHART - Areawide Dynamic Message Signs Deployment - Phase 3	3,200	Completed	
41		Baltimore Washington Parkway; CHART ITS devices in Districts 3 and 5; miscellaneous	1,012	Completed	
Environmental Preservation					
42	US 50	MD 404/MD 309; Integrated roadside vegetation management at various locations in District 2	524	Completed	
Sidewalks					
43		At various locations in District 5; sidewalks	2,983	Completed	
TMDL Compliance					
44		At various locations in District 7 - Group 2; drainage improvement	2,310	Completed	
45		At various locations in District 5; landscape	1,505	Completed	
46		Tree establishment at various locations in Howard and Carroll Counties; landscape	2,388	Completed	
47		Tree establishment at various locations in Anne Arundel and Charles Counties; landscape	921	Completed	

SAFETY, CONGESTION RELIEF, HIGHWAY AND BRIDGE PRESERVATION PROGRAM

STATE HIGHWAY ADMINISTRATION -- STATE WIDE LINE 7 (cont'd)

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 (cont'd)</u>		
		<u>TMDL Compliance (cont'd)</u>		
48		Tree establishment at various locations in District 3; landscape	1,316	Completed
49		Tree planting at various locations in Anne Arundel and Charles Counties; landscape	1,447	Completed
50		At various locations in District 3 - Group 1; drainage improvement	2,577	Completed
		<u>Enhancements (cont'd)</u>		
		<u>Archaeological Planning & Research (cont'd)</u>		
51		Synthesis of Maryland's archeological data; Synthesize 3500 archeological reports related to transportation projects; Archeological planning and research	135	Completed
52		Archeological and Historic Preservation Data Development; update and enhance searchable database of Maryland's architectural and archeological resources	90	Completed
		<u>Pedestrian and Bicycle Safety and Educational Activities</u>		
53		Walk Smart, Bike Smart, Drive Smart - Statewide Pedestrian and Bicycle Safety Campaign	3,000	Completed

SAFETY, CONGESTION RELIEF, HIGHWAY AND BRIDGE PRESERVATION PROGRAM

STATE HIGHWAY ADMINISTRATION -- STATE WIDE LINE 7 (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>		
54		Various locations in Dorchester, Somerset, Wicomico, and Worcester counties	600	FY 2020
55		Traffic barrier upgrades at various locations in District 2	1,754	FY 2020
56		At various locations in Kent and Queen Anne's County	1,032	FY 2020
57		UTBWC at various locations in District 2	2,503	FY 2020
58		District 7 areawide crack and joint sealing	2,288	FY 2020
59		At various locations in Caroline, Cecil, Kent, Queen Anne's and Talbot County	837	FY 2020
60		At various locations in Montgomery and Prince George's County	5,000	FY 2020
61		Micro-surfacing and fog seal various locations in District 2	2,439	FY 2020
62		Various interstates in Montgomery and Prince George's County	5,000	FY 2020
63		At various locations in Montgomery and Prince George's County	4,000	FY 2020
64		W-beam upgrades at various locations in Montgomery and Prince George's County	2,000	FY 2020
65		At various locations in Caroline, Cecil, Kent, and Queen Anne's County	857	FY 2020
66		Crack seal in District 2	1,664	FY 2021
67		At various locations in Caroline and Talbot County	1,003	FY 2020

SAFETY, CONGESTION RELIEF, HIGHWAY AND BRIDGE PRESERVATION PROGRAM

STATE HIGHWAY ADMINISTRATION -- STATE WIDE LINE 7 (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>Resurface/Rehabilitate (cont'd)</u>				
68		Areawide traffic barrier upgrades in District 7	4,569	FY 2020
69		Various sidewalks in district 1	642	FY 2020
70		At various Locations in District 7	2,288	FY 2020
71		Various locations in District 1	1,143	FY 2020
72		At various locations in District 7; guard rail	2,000	Under construction
73		At various locations in Caroline, Cecil, Kent, Queen Anne's and Talbot Counties; sidewalks	1,082	Under construction
74		At various locations in Caroline, Cecil, Kent, Queen Anne's and Talbot Counties; guard rail	1,458	Under construction
75		Permanent patching of asphalt superpave at various locations in Cecil County; patching	951	Under construction
76		Permanent patching of asphalt superpave at various locations in Kent and Queen Anne's Counties; patching	1,048	Under construction
77		At various locations in Caroline, Cecil, Kent, Queen Anne's and Talbot Counties; surface treatment	2,259	FY 2020
78		At various locations in Caroline, Cecil, Kent, Queen Anne's and Talbot County; surface treatment	1,782	FY 2020
79		Various locations in District 3; pavement marking	1,790	Under construction
80		At various locations in Caroline, Cecil, Kent, Queen Anne's and Talbot County; surface treatment	2,281	Under construction
81		At various locations in Caroline, Cecil, Kent, Queen Anne's and Talbot County; joint sealing	114	Under construction

SAFETY, CONGESTION RELIEF, HIGHWAY AND BRIDGE PRESERVATION PROGRAM

STATE HIGHWAY ADMINISTRATION -- STATE WIDE LINE 7 (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>Resurface/Rehabilitate (cont'd)</u>				
82		Various services road in Montgomery and Prince George's County; safety and resurface	2,395	Under construction
83		At various locations in Calvert, Charles and St. Mary's Counties; surface treatment	1,300	Under construction
84		At various locations in District 6; guard rail	2,986	FY 2020
85		Permanent patching of asphalt superpave at various locations in Caroline and Talbot Counties; patching	688	Under construction
86		At Various locations in District 7; pavement marking	3,175	Under construction
87		At various locations in District 1; surface treatment	3,681	Under construction
88		At Various locations in District 1; pavement marking	1,469	Under construction
89		At Various locations in District 2; pavement marking	1,947	Under construction
90		At various locations in District 5; sidewalks	1,904	Under construction
91		Thermo thinline striping at various locations in District 6	1,128	Under construction
92		At various locations in District 5; guard rail	1,786	Under construction
93		At various locations in Dorchester County; resurface	6,796	Under construction
94		At various locations in Somerset County; resurface	7,379	Under construction
95		At various locations in Wicomico County; resurface	7,796	Under construction

SAFETY, CONGESTION RELIEF, HIGHWAY AND BRIDGE PRESERVATION PROGRAM

STATE HIGHWAY ADMINISTRATION -- STATE WIDE LINE 7 (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>Resurface/Rehabilitate (cont'd)</u>				
96		At various locations in District 6; joint sealing	1,109	Under construction
97		At various locations in Montgomery and Prince George's Counties; guard rail	1,870	FY 2020
98		At various locations in District 1; surface treatment	5,662	Under construction
99		At various locations in Montgomery and Prince George's Counties; sidewalks	1,737	FY 2020
100		At various locations in District 4 - thermo thinline striping; pavement marking	1,743	Under construction
101		At various locations in District 5 - thermo thinline striping; pavement marking	2,358	Under construction
102		At various locations in Montgomery and Prince George's Counties; joint sealing	5,404	Under construction
103		Along various interstates in Montgomery and Prince George's Counties; patching	8,625	Under construction
104		At various locations in District 5; resurface	2,134	Under construction
105		At various locations in Caroline and Talbot Counties; patching	1,822	Under construction
106		At various locations in District 2; surface treatment	2,730	Under construction
107		At various locations in District 2; guard rail	574	Under construction
108		At various locations in District 7; guard rail	3,595	Under construction
109		At various locations in District 2; sidewalks	1,049	Under construction

SAFETY, CONGESTION RELIEF, HIGHWAY AND BRIDGE PRESERVATION PROGRAM

STATE HIGHWAY ADMINISTRATION -- STATE WIDE LINE 7 (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>Resurface/Rehabilitate (cont'd)</u>				
110		At various locations in District 2; surface treatment	3,302	Under construction
111		At various locations in Carroll, Frederick and Howard Counties; patching	3,795	Under construction
112		At various locations in Caroline, Cecil, Queen Anne's and Talbot Counties; joint sealing	337	Under construction
113		At various locations in Kent and Queen Anne's Counties; patching	1,960	Under construction
114		At various locations in Baltimore and Harford Counties; guard rail	2,038	FY 2020
115		At various locations in Kent and Queen Anne's Counties; patching	1,888	Under construction
116		At various locations in Calvert, Charles and St. Mary's Counties; joint sealing	1,390	Under construction
117		At various locations in District 1; patching	1,845	Under construction
118		At various locations in Dorchester, Somerset, Wicomico and Worcester Counties; guard rail	977	Under construction
119		At various locations in Anne Arundel, Calvert, Charles and St. Mary's Counties; guard rail	2,020	Under construction
120		At various locations in District 7; guard rail	2,341	Under construction
121		At various locations in District 5 - ultra thin bonded wearing course; surface treatment	4,005	Under construction
122		At various locations in Allegany, Garrett and Washington Counties; guard rail	2,396	Under construction
123		At various locations in District 4 - ultra thin bonded wearing course; surface treatment	4,137	Under construction

SAFETY, CONGESTION RELIEF, HIGHWAY AND BRIDGE PRESERVATION PROGRAM

STATE HIGHWAY ADMINISTRATION -- STATE WIDE LINE 7 (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>Resurface/Rehabilitate (cont'd)</u>		
124		At various locations in Caroline and Talbot Counties; resurface	1,892	Under construction
125		At various locations in Montgomery and Prince George's Counties; sidewalks	2,149	Under construction
126		At various locations in District 2; sidewalks	1,392	Under construction
127		At various locations in Dorchester, Somerset, Wicomico and Worcester Counties; guard rail	1,566	Under construction
128		At various locations in District 2; joint sealing	465	Under construction
129	I 70 WB	Baltimore National Pike; Carroll County line to east of MD 75; safety and resurface	3,204	Under construction
		<u>Bridge Replacement/Rehabilitation</u>		
130		Cleaning and Painting various locations in District 2	1,830	FY 2020
131		Preservation of minor rehab of movable and fixed bridges, culverts, and walls	11,154	FY 2020
132		Preservation and rehab of bridges, culverts, and walls - statewide; bridge rehabilitation	8,856	Under construction
133		Bridge inspection statewide; bridge inspection	4,352	Under construction
134		Preservation and minor rehab of fixed bridges, culverts, and walls - statewide; bridge rehabilitation	9,028	Under construction
135		Bridge inspection statewide; bridge inspection	4,414	Under construction
136		Preservation and rehab of bridges, culverts, and walls - statewide; bridge rehabilitation	8,894	Under construction

SAFETY, CONGESTION RELIEF, HIGHWAY AND BRIDGE PRESERVATION PROGRAM

STATE HIGHWAY ADMINISTRATION -- STATE WIDE LINE 7 (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>Bridge Replacement/Rehabilitation (cont'd)</u>				
137		Preservation and rehab of bridges, culverts, and walls in District 6; bridge rehabilitation	2,115	Under construction
138		Preservation and rehab of bridges, culverts, and walls - statewide; bridge rehabilitation	8,904	Under construction
139		Various bridges on Ocean Highway, Salisbury Bypass, Ocean City Expressway; clean/paint bridges	1,367	Under construction
140		Movable and fixed bridges, culverts and walls - statewide; bridge rehabilitation	11,327	Under construction
<u>Safety/Spot Improvement</u>				
141		ADA sidewalk upgrades District 4	2,990	FY 2020
142		Full delivery stream and wetland mitigation services	266	FY 2020
143		Areawide safety and operations improvements for locations in Baltimore and Harford Counties	7,291	FY 2020
144		Various locations in Dorchester, Somerset, Wicomico, and Worcester county	275	FY 2020
145		Areawide traffic barrier upgrades in District 4; guard rail	2,512	Under construction
146		At various locations in District 4: RPMs	944	FY 2020
147		At various locations in District 7; guard rail	1,697	Under construction
148		At various locations in District 5; RPM	517	Under construction
149		At various locations in District 1; RPM	328	Under construction

SAFETY, CONGESTION RELIEF, HIGHWAY AND BRIDGE PRESERVATION PROGRAM

STATE HIGHWAY ADMINISTRATION -- STATE WIDE LINE 7 (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>Safety/Spot Improvement (cont'd)</u>				
150		At various locations in District 5; guard rail	2,322	FY 2020
151		At various locations in Prince George's and Montgomery County; geometric improvements	5,952	Under construction
152		At various locations in District 1; drainage improvement	3,708	Under construction
153		At various locations in Frederick, Carroll and Howard Counties; guard rail	2,211	Under construction
154		At various locations in District 5; drainage improvement	5,019	Under construction
155		At various locations in District 1; rumble strips	363	FY 2020
156		At various locations in District 7; sidewalks	2,616	FY 2020
157		At various locations in District 7; drainage improvement	3,971	FY 2020
158		At various locations in District 2; drainage improvement	3,197	FY 2020
159		At various locations in Prince George's and Montgomery Counties; drainage improvement	3,144	FY 2020
160		At various locations in District 3; bicycle-pedestrian improvements (Total cost \$13.7 million, includes all phases)	2,792	Under construction
161		At various locations statewide - on call contract; drainage improvement	4,966	FY 2020
162		At various locations in District 6; drainage improvement	8,786	FY 2020

SAFETY, CONGESTION RELIEF, HIGHWAY AND BRIDGE PRESERVATION PROGRAM

STATE HIGHWAY ADMINISTRATION -- STATE WIDE LINE 7 (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>Noise Barriers</u>				
163		Noise barrier preservation and remediation at various locations	3,267	FY 2020
164		Noise barrier preservation and remediation at various locations - statewide; noise abatement	2,240	Under construction
<u>Traffic Management</u>				
165		Mod/install/recon of traffic signals - District 4	5,925	FY 2020
166		Mod/Install/Recon of signing - Districts 3, 4, and 5	7,395	FY 2020
167		At various Locations in District 1 and District 2	5,506	FY 2020
168		Mod/Install/Recon of Traffic Signals-District 3	7,787	FY 2020
169		Mod/install/recon of traffic signals-district 6&7	5,108	Under construction
170		Mod/install/recon of Traffic Signals-statewide	7,766	FY 2020
171		At various locations in Anne Arundel, Calvert, Charles and St. Mary's Counties; signalization	5,542	Under construction
172		At various locations in Prince George's and Montgomery Counties; lighting	3,546	Under construction
173		At various locations in District 4; lighting	2,449	FY 2020
174		At various locations in Districts 6 and 7; signalization	5,642	FY 2020
175		At various locations in District 5; lighting	4,726	FY 2020

SAFETY, CONGESTION RELIEF, HIGHWAY AND BRIDGE PRESERVATION PROGRAM

STATE HIGHWAY ADMINISTRATION -- STATE WIDE LINE 7 (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>Traffic Management (cont'd)</u>				
176		At various locations in Districts 1 and 2; signalization	4,758	FY 2020
177		At various locations in District 3; lighting	3,588	FY 2020
178		At various locations in District 3; signalization	6,078	FY 2020
179		At various locations in Districts 6 and 7; signing	4,652	FY 2020
180		At various locations in Districts 3, 4 and 5; signing	6,160	FY 2020
181		At various locations in District 1 and 2; lighting	3,735	FY 2020
182		At various locations in Districts 1 and 2; signing	3,584	FY 2020
183		At various locations in District 4; signalization	6,023	FY 2020
184		At various locations - statewide; signalization	6,821	FY 2020
185		Sign structure replacement - statewide; signing	7,360	FY 2020
186		Mod/install/recon of signing - statewide; signing	8,815	FY 2020
187		At various locations in District 6 and 7; lighting	3,025	Under construction
188		At various locations statewide - UPS/APS/CFS; signalization	3,641	Under construction

SAFETY, CONGESTION RELIEF, HIGHWAY AND BRIDGE PRESERVATION PROGRAM

STATE HIGHWAY ADMINISTRATION -- STATE WIDE LINE 7 (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>C.H.A.R.T. Projects</u>				
189		SOC Floor Reconfiguration - Chart (Construction)	6,041	FY 2020
190		Statewide CHART DMS deployment - Phase 6; miscellaneous	5,126	Under construction
191		Statewide CHART DMS deployment - Phase 5; miscellaneous	5,388	Under construction
192		Statewide CHART CCTV deployment - Phase 6; miscellaneous	3,757	Under construction
193		Chart SOC improvements	6,064	FY 2020
<u>Environmental Preservation</u>				
194		Areawide sidewalk upgrades in District 7	4,205	FY 2020
195		At various locations in District 3	308	FY 2020
196		Welcome Center - pollinator initiative improvements - Statewide; landscape	114	Under construction
197		At various locations in District 5; landscape	1,398	Under construction
<u>TMDL Compliance</u>				
198		TMDL SWM Retrofits - Group 1A - District 3; drainage improvement	902	Under construction
199		SWM at various locations in District 7 - Group 1; drainage improvement	4,736	Under construction
200		SWM Facilities Remediation; drainage improvement	3,349	Under construction

SAFETY, CONGESTION RELIEF, HIGHWAY AND BRIDGE PRESERVATION PROGRAM

STATE HIGHWAY ADMINISTRATION -- STATE WIDE LINE 7 (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 (cont'd)</u>		
201		Tree planting on DNR property in District 7; landscape	2,562	Under construction
202		Tree planting on DNR property in District 4; landscape	971	Under construction
203		Tree planting at various locations in District 4; landscape	1,514	Under construction
204		Tree planting at various locations in District 3; landscape	427	Under construction
		<u>Enhancements (cont'd)</u>		
		<u>Archaeological Planning & Research (cont'd)</u>		
205		Data Development and Analysis of Architectural Resources; update and enhance searchable database of Maryland's architectural and archeological resources	196	Design Underway