

APPENDIX J – SHA Rural Projects (Statewide)

GROUPED PROJECTS DETAILED DESCRIPTION

Areawide Bridge Rehabilitation

An ongoing program to provide upgrades to and maintenance of structures on MDOT SHA's highway network. These non-capacity improvements may include but are not limited to structural replacement (less than full bridge replacement), deck rehabilitation/replacement, substructure rehabilitation/replacement, superstructure rehabilitation/replacement, parapet reconstruction, cleaning and painting, and general maintenance.

MDOT SHA Funds	80
Improvements	Bridge inspection, Cleaning, Deck overlay, Deck replacement/rehabilitation, Painting (spot, comprehensive), Parapet modification/reconstruction, Substructure replacement/rehabilitation, Superstructure replacement/rehabilitation

Areawide Congestion Management

An ongoing program to provide traffic control, management, and monitoring on MDOT SHA's highway network. These improvements may include but are not limited to deployment of variable message signs, video for traffic management, i.e., CCTV, traffic management detectors, signal systemization and remote timing, permanent congestion monitoring systems, intelligent transportation systems, and the development of park-and-ride facilities.

MDOT SHA Funds	81, 86
Improvements	Intelligent transportation system deployment, Park-and-ride facilities (design, construction, expansion, lighting), Permanent congestion monitoring systems, Signal systemization, remote timing, Traffic management detectors, Traffic management video/CCTV, Variable message signage

Areawide Environmental Projects

An ongoing program to provide environmental and aesthetic improvements on MDOT SHA's highway network. These non-capacity improvements may include but are not limited to noise abatement, wetland management and rehabilitation, reforestation, landscaping, scenic beautification, and bicycle and pedestrian facilities.

MDOT SHA Funds	24, 25*, 26, 49, 74, 82, 88
Improvements	ADA improvements, Bicycle/pedestrian facilities, Drainage improvements (areas of flooding, road closures), Environmental compliance, Landscaping, Noise abatement, Noise barriers (construction, retrofitting, rehabilitation), Noise berms (construction, retrofitting, rehabilitation), Recreational trails Reforestation, tree planting, Rest areas, Scenic beautification, Total maximum daily load (TMDL) for stormwater management, Wildflower seeding

* *except in the Baltimore and Washington metropolitan planning areas, Fund 25 improvements are included in the Areawide Environmental Projects grouped project; in the Baltimore and Washington metropolitan planning areas, Fund 25 improvements are separated and are included in the Areawide Transportation Alternatives grouped project*

Areawide Transportation Alternatives

An ongoing program to expand travel choices and enhance the transportation experience by improving the cultural, historic, and environmental aspects of Maryland's transportation infrastructure. These improvements may include but are not limited to bicycle and pedestrian facilities, rehabilitation of historic transportation facilities such as railroads and canals, conversion and use of abandoned railroad corridors, archeological activities related to transportation impacts, and mitigation of water pollution caused by highway runoff. This program also includes Safe Routes to School program projects and Recreational Trails program projects.

MDOT SHA Funds 25

Improvements Bicycle/pedestrian improvements, Conversion/use of abandoned railroad corridors, Highway runoff-related water pollution mitigation, Historic transportation facility rehabilitation, Landscaping, Recreational Trails program, Safe Routes to School program, Transportation Alternatives program, Transportation-related archeological activities, Urban greenways

Areawide Resurfacing and Rehabilitation

An ongoing program to provide periodic resurfacing and upgrading of auxiliary features on MDOT SHA's highway network. These non-capacity improvements may include but are not limited to milling, patching, sealing, and resurfacing of existing deteriorated MDOT SHA highways. Other improvements such as ADA upgrades or guardrail installation and/or rehabilitation may be included incidental to resurfacing and rehabilitation improvements.

MDOT SHA Funds 77

Improvements ADA improvements, Concrete patching, Guardrail improvements, Joint sealing, Milling, Patchwork, Pavement marking, Resurfacing

Areawide Safety and Spot Improvements

An ongoing program to provide localized improvements to address safety and/or operational issues on MDOT SHA's highway network. These improvements may include but are not limited to bypass lanes, acceleration and deceleration lanes, turn lanes, railroad crossings, intersection realignment, geometric improvements, safety improvements, pavement markings, ADA upgrades, guardrails, and roundabouts. Other improvements such as slope repairs, drainage improvements, and joint sealing may be included incidental to safety and spot improvements.

MDOT SHA Funds 23, 27, 30, 32, 33, 67, 75, 76, 78, 79, 85, 87

Improvements Acceleration/deceleration lanes, ADA improvements, Bridge inspection, Bypass lanes, Crash prevention, Drainage improvements, Geometric improvements, Guardrail improvements, Intersection capacity improvements, Intersection realignment, Joint sealing, Major storm damage repairs, Pavement markings, Railroad crossings, Ramp modifications, Rest areas, Roundabouts, Safe Routes to School program, Safety improvements, Sinkhole repairs, Slope repairs, Truck weight stations, Turn lanes, Unforeseen roadway/bridge emergency repairs

Areawide Urban Reconstruction

An ongoing program to provide roadway rehabilitation in municipalities and urban areas on MDOT SHA highways. These non-capacity improvements may include but are not limited to drainage improvements, curb and gutter improvements, pavement milling and resurfacing, sidewalks, signage, pavement markings, and lighting improvements.

MDOT SHA Funds 83, 84

Improvements ADA improvements, Bicycle and pedestrian improvements, Curb and gutter improvements, Drainage reconstruction, Landscaping, Lighting, Pavement markings, Pavement reconstruction (milling, resurfacing), Sidewalks, Signage, Street furniture, Urban amenity improvements

MDOT SHA Non-Metropolitan Regionally Significant Projects

STIP # AR1604
Project Keyser’s Ridge Business Park Local Access Road
Location Keyser’s Ridge Business Park, Keyser’s Ridge
Responsible Agency Garrett County Department of Economic Development
Description Construction of local road providing access to Keyser’s Ridge Business Park from US 40AL.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP									
PE	ARC LAR		540					540	
RW									
CO	ARC LAR			200	1,340			1,540	
<i>Subtotal</i>	<i>State</i>								
	<i>Federal</i>		540	200	1,340			2,080	
Total			540	200	1,340			2,080	

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 2,100

STIP # AR1901
Project Glendale Road Business Park Local Access Road
Location Glendale Road Business Park, Oakland
Responsible Agency Garrett County Department of Economic Development
Description Construction of local road providing access to Glendale Road Business Park from US 219.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP									
PE	ARC LAR	358							
RW	ARC LAR		82	81				163	
CO	ARC LAR		945	945				1,890	
<i>Subtotal</i>	<i>State</i>								
	<i>Federal</i>	358	1,027	1,026				2,053	
Total		358	1,027	1,026				2,053	

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 2,100

STIP # AR1902
Project Do the Loop
Location Eastern Continental Divide Loop Trail (Otto Lane - New Germany), Grantsville
Responsible Agency Garrett County Department of Economic Development
Description Construction of trail segment.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP									
PE									
RW									
CO	ARC AD			100				100	
<i>Subtotal</i>	<i>State</i>								
	<i>Federal</i>			100				100	
Total				100				100	

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 100†

† does not include non-transportation funding sources also secured by the responsible agency;
 NRT funding secured for this project is programmed as part of Areawide Environmental Projects
 (RU Environment)

STIP # AW8192
Project 540
Location Statewide
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Pre-planning activities of freight programs, including analysis of and research and development toward freight transportation, intelligent transportation systems, and overnight truck parking.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP	State		100	100	100			300	
	NHFP		400	400	400			1,200	
PE									
RW									
CO									
<i>Subtotal</i>	<i>State</i>		100	100	100			300	
	<i>Federal</i>		400	400	400			1,200	
Total			500	500	500			1,500	

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 1,500

STIP # AZ0101
Project Every Day Counts Data to Improve Transportation Incident Management
Location Statewide
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Support for FHWA, MDOT SHA, and I-95 Corridor Coalition members to establish a baseline for transportation incident management-related performance measures and to host and maintain the associated database.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP	EDC	6	69					69	
PE									
RW									
CO									
<i>Subtotal</i>	<i>State</i>								
	<i>Federal</i>	6	69					69	
Total		6	69					69	

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 75

STIP # AZ0261
Project Continuous Pavement Density Measurement
Location Statewide
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Use of ground-penetrating radar technology to measure pavement density along MDOT SHA's roadway network.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP									
PE	State		3	12	10			25	
	STIC		12	48	40			100	
RW									
CO									
<i>Subtotal</i>	<i>State</i>		3	12	10			25	
	<i>Federal</i>		12	48	40			100	
Total			15	60	50			125	

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 125

STIP # CA4131
Project MD 2/MD 4 Corridor Study
Location MD 2/MD 4 (North of Stoakley Road/Hospital Drive - South of MD 765A), Prince Frederick
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Study of MD 2/MD 4 upgrades to widen MD 2/MD 4 to a six-lane divided highway; 3.5 miles.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP	State	1,196							
	NHPP	776							
PE	State	1,422							
RW	State	644							
CO									
Subtotal	State	3,262							
	Federal	776							
Total		4,038						0	

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 120,000[†]

† includes costs of study and phases 3-6, for which design, right-of-way acquisition, and construction funding is yet to be identified

STIP # CA4133
Project MD 2/MD 4 Phase 2 Highway Reconstruction
Location MD 2/MD 4 (Fox Run Boulevard - MD 231), Prince Frederick
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Reconstruction and widening of MD 2/MD 4 to a six-lane divided highway; 1.2 miles.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP									
PE	State	2,469	20					20	
	NHPP	2,408							
RW	State	5,222	750	500	2,310			3,560	
CO	State	2,262	15,493	13,785				29,278	
Subtotal	State	10,165	16,263	14,285	2,310			32,858	
	Federal	2,480							
Total		12,361	16,263	14,285	2,310			32,858	

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 45,000

STIP # CA4801

Project MD 261 Fishing Creek Bridge Replacement
Location MD 261 at Fishing Creek, Chesapeake Beach
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Replacement of existing 1940 bridge, which is rated in poor condition.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP									
PE	State	1,322							
	STBG	1,040							
RW	State	426	7					7	
	STBG	1,547	28					28	
CO	State	5,353	1,260	917				2,177	
	STBG	12,693	2,154	1,205				3,359	
Subtotal	State	7,101	1,267	917				2,184	
	Federal	15,280	2,182	1,205				3,387	
Total		22,381	3,449	2,122				5,571	

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 28,000

STIP # CO1281
Project MD 16 Mill Creek Bridge Replacement
Location MD 16 at Mill Creek, Williston
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Replacement of existing 1968 bridge.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP									
PE	State	147	152	363	363	151		1,029	
RW									
CO									
Subtotal	State	147	152	363	363	151		1,029	
	Federal								
Total		147	152	363	363	151		1,029	

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 4,200

STIP # GA1731
Project US 219 Youghiogheny River Bridge Replacement

Location US 219 at the Youghiogheny River, Redhouse
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Replacement of existing 1900 bridge, which is rated in poor condition.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP									
PE	State	191	197	326	326	136		985	
RW									
CO									
<i>Subtotal</i>	<i>State</i>	<i>191</i>	<i>197</i>	<i>326</i>	<i>326</i>	<i>136</i>		<i>985</i>	
	<i>Federal</i>								
Total		191	197	326	326	136		985	

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 4,200

STIP # GA1961
Project MD 42 Buffalo Run Bridge Replacement
Location MD 42 at Buffalo Run, Friendsville
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Replacement of existing 1933 bridge.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP									
PE	State	306	562	308				870	
RW									
CO									
<i>Subtotal</i>	<i>State</i>	<i>306</i>	<i>562</i>	<i>308</i>				<i>870</i>	
	<i>Federal</i>								
Total		306	562	308				870	

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 1,200†

† cost does not include construction cost, which is yet to be determined

STIP # GA1971
Project MD 39 Youghiogheny River Bridge Replacement
Location MD 39 at the Youghiogheny River, Crellin

Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Replacement of existing 1923 bridge, which is rated in poor condition.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP									
PE	State	927	410	192				602	
RW	State	39	76	20	20	20	12	136	
CO	Private		18	7				25	
	State		149	236	771	136		1,292	
	STBG		246	751	2,734	484		4,215	
<i>Subtotal</i>	<i>Private</i>		18	7				25	
	<i>State</i>	966	635	448	791	156	12	2,030	
	<i>Federal</i>		246	751	2,734	484		4,215	
Total		966	899	1,206	3,525	640	12	6,270	

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 7,200

STIP # GA4161
Project US 40AL Big Shade Run Bridge Replacement
Location US 40AL at Big Shade Run, Grantsville
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Replacement of existing 1932 bridge.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP									
PE	State	62	180	267	267	267	133	981	
RW									
CO									
<i>Subtotal</i>	<i>State</i>	62	180	267	267	267	133	981	
	<i>Federal</i>								
Total		62	180	267	267	267	133	981	

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 1,200†

† cost does not include construction cost, which is yet to be determined

STIP # GA4201
Project MD 42 Glade Run Bridge Replacement
Location MD 42 at Glade Run, Friendsville
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)

Description Replacement of existing 1933 bridge.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP									
PE	State	44	150	281	281	281	140	993	
RW									
CO									
<i>Subtotal</i>	<i>State</i>	<i>44</i>	<i>150</i>	<i>281</i>	<i>281</i>	<i>281</i>	<i>140</i>	<i>993</i>	
	<i>Federal</i>								
Total		44	150	281	281	281	140	993	

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 1,200+

† cost does not include construction cost, which is yet to be determined

STIP # GA4211
Project US 219 Wilson Run Bridge Replacement
Location US 219 at Wilson Run, Oakland
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Replacement of existing 1924 bridge.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP									
PE	State	51	186	109	109	45		449	
RW									
CO									
<i>Subtotal</i>	<i>State</i>	<i>51</i>	<i>186</i>	<i>109</i>	<i>109</i>	<i>45</i>		<i>449</i>	
	<i>Federal</i>								
Total		51	186	109	109	45		449	

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 500+

† cost does not include construction cost, which is yet to be determined

STIP # GA5991
Project US 219 at Oakland Highway Realignment
Location US 219 (North of 3rd Street - MD 135), Oakland
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Construction of new US 219 alignment east of central Oakland; 2.4 miles.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP	State	389							
	NHPP	891							
PE	State	4,093	926					926	
RW	State	1,809							
	HPP	800							
	NHPP	1,781							
CO	State	21							
Subtotal	State	6,312	926					926	
	Federal	3,472							
Total		9,784	926					926	

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 72,000

STIP # GA6461
Project US 219 North Corridor Study
Location US 219 (I-68/US 40 - Pennsylvania State line), Grantsville
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Study of realignment and/or upgrades of US 219; 2.5 miles. Maryland's portion of a Maryland/Pennsylvania joint study of US 219 between I-68/US 40 and Myersdale, Pennsylvania.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP	State	3,003							
	ADHS	2,186							
PE									
RW									
CO									
Subtotal	State	3,003							
	Federal	2,186							
Total		5,189							

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 67,000[†]

[†] includes costs of study and additional realignment/upgrades north of existing breakout project (GA6462)

STIP # GA6462
Project US 219 North Highway Realignment
Location US 219 (I-68/US 40 - Old Salisbury Road), Grantsville
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Construction of realigned and upgraded US 219; 1.5 miles.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP	State	1,152							
PE	State	5,515							
RW	State	941	18	22	14			54	
	ADHS	1,637	294	272				566	
CO	State	37	272	388	472			1,132	
	ADHS	6,044	11,203	14,853	18,265			44,321	
Subtotal	State	7,645	290	410	486			1,186	
	Federal	7,681	11,497	15,125	18,265			44,887	
Total		15,326	11,787	15,535	18,751			46,073	

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 61,000

STIP # QA2367
Project US 50 Corridor Study
Location US 50 (US 301 (North) - MD 404), Queenstown
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Study of widening US 50 to six lanes, acquiring access controls, and replacement of at-grade intersections with grade-separated interchanges; 13.8 miles.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP	State	1,557							
PE	State	1,814							
	NHPP	4,910							
RW	State	9,076							
	NHPP	2,657							
CO									
Subtotal	State	12,447							
	Federal	7,567							
Total		20,014							

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 520,000†

† includes costs of study and phases 1-8

STIP # QA2651
Project US 301 at MD 304 Interchange Construction
Location US 301 at MD 304, Centreville
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Construction of US 301 grade-separated interchange at MD 304 and US 301 J-turns at MD 305.

			STIP					

Phase	Funding	Previous FYs	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023*	FY 2024*	FY 2019-2022 STIP Total
PP	State	1,100							
PE	State	1,112							
	NHPP	2,500							
RW	State	3,094	106						106
	NHPP	6,189							
CO	State	35,759	17						17
Subtotal	State	41,065	123						123
	Federal	8,689							
Total		49,754	123						123

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 50,000

STIP # RU Bridge
Project Areawide Bridge Rehabilitation
Location Statewide (Non-MPO Areas)
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Program to provide major upgrades to and maintenance of structures on MDOT SHA highways.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP	State		20	20	10	10			60
	Federal†		80	80	40	40			240
PE	State		1,500	1,500	1,000	1,000			5,000
	Federal†		6,000	6,000	4,000	4,000			20,000
RW	State		30	30	15	15			90
	Federal†		120	120	60	60			360
CO	State		1,600	1,600	800	800			4,800
	Federal†		6,400	6,400	3,200	3,200			19,200
Subtotal	State		3,150	3,150	1,825	1,825			9,950
	Federal †		12,600	12,600	7,300	7,300			39,800
Total			15,750	15,750	9,125	9,125			49,750

* for informational purposes only

all costs in \$000s

† when federally-funded, RU Bridge improvements may receive NHPP, STBG, and/or other federal funds as determined appropriate by MDOT

Estimated Total Project Cost 50,000

STIP # RU Congestion Mgmt
Project Areawide Congestion Management
Location Statewide (Non-MPO Areas)
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Program to provide traffic control, management, and monitoring on MDOT SHA highways.

			STIP					
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Phase	Funding	Previous FYs	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023*	FY 2024*	FY 2019-2022 STIP Total
PP	State		30	30	15	15			90
	Federal†		120	120	60	60			360
PE	State		200	200	100	100			600
	Federal†		800	800	400	400			2,400
RW	State		30	30	15	15			90
	Federal†		120	120	60	60			360
CO	State		40	40	20	20			120
	Federal†		160	160	80	80			480
OTHER	State		1,000	1,000	500	500			3,000
	Federal†		4,000	4,000	2,000	2,000			12,000
Subtotal	State		1,300	1,300	650	650			3,900
	Federal †		5,200	5,200	2,600	2,600			15,600
Total			6,500	6,500	5,950	5,950			19,500

* for informational purposes only

all costs in \$000s

† when federally-funded, RU Congestion Mgmt improvements may receive CMAQ, NHPP, STBG, and/or other federal funds as determined appropriate by MDOT

Estimated Total Project Cost 20,000

STIP # RU Environment
Project Areawide Environmental Projects
Location Statewide (Non-MPO Areas)
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Program to provide environmental and aesthetic improvements on MDOT SHA highways.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP	State		60	60	30	30			180
	Federal†		240	240	120	120			720
PE	State		120	120	60	60			360
	Federal†		480	480	240	240			1,440
RW	State		30	30	15	15			90
	Federal†		120	120	60	60			360
CO	State		2,000	2,000	1,000	1,000			6,000
	Federal†		8,000	8,000	4,000	4,000			24,000
Subtotal	State		2,210	2,210	1,105	1,105			6,630
	Federal †		8,840	8,840	4,420	4,420			26,520
Total			11,050	11,050	5,525	5,525			33,150

* for informational purposes only

all costs in \$000s

† when federally-funded, RU Environment improvements may receive HSIP, NHPP, STBG, and/or other federal funds as determined appropriate by MDOT

Estimated Total Project Cost 33,000

STIP # RU Resurface
Project Areawide Resurfacing and Rehabilitation
Location Statewide (Non-MPO Areas)
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Program to provide periodic resurfacing and upgrading of MDOT SHA highways.

			STIP					
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Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP	State		20	20	10	10		60	
	Federal†		80	80	40	40		240	
PE	State		600	600	300	300		1,800	
	Federal†		2,400	2,400	1,200	1,200		7,200	
RW	State		20	20	10	10		60	
	Federal†		80	80	40	40		240	
CO	State		12,500	12,500	6,250	6,250		37,500	
	Federal†		50,000	50,000	25,000	25,000		150,000	
Subtotal	State		13,140	13,140	6,570	6,570		39,420	
	Federal †		52,560	52,560	26,280	26,280		157,680	
Total			65,700	65,700	32,850	32,850		197,100	

* for informational purposes only

all costs in \$000s

† when federally-funded, RU Resurface improvements may receive HSIP, NHPP, STBG, and/or other federal funds as determined appropriate by MDOT

Estimated Total Project Cost 200,000

STIP # RU Safety/Spot
Project Areawide Safety and Spot Improvements
Location Statewide (Non-MPO Areas)
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Program to provide localized improvements to address safety and/or operational issues on MDOT SHA highways.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP	State		60	60	30	30		180	
	Federal†		240	240	120	120		720	
PE	State		100	100	50	50		300	
	Federal†		400	400	200	200		1,200	
RW	State		60	60	30	30		180	
	Federal†		240	240	120	120		720	
CO	State		2,800	2,500	1,250	1,250		7,800	
	Federal†		11,200	10,000	5,000	5,000		31,200	
Subtotal	State		3,020	2,720	1,360	1,360		8,460	
	Federal †		12,080	10,880	5,440	5,440		33,840	
Total			15,100	13,600	6,800	6,800		42,300	

* for informational purposes only

all costs in \$000s

† when federally-funded, RU Safety/Spot improvements may receive CMAQ, HSIP, NHPP, STBG, and/or other federal funds as determined appropriate by MDOT

Estimated Total Project Cost 42,000

STIP # RU Urban Reconstruct
Project Areawide Urban Reconstruction
Location Statewide (Non-MPO Areas)
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Program to provide roadway rehabilitation on MDOT SHA highways in municipalities and urban areas.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP	State		20	20	10	10		60	
	Federal†		80	80	40	40		240	
PE	State		150	150	75	75		450	
	Federal†		600	600	300	300		1,800	
RW	State		20	20	10	10		60	
	Federal†		80	80	40	40		240	
CO	State		1,250	1,250	625	625		3,750	
	Federal†		5,000	5,000	2,500	2,500		15,000	
Subtotal	State		1,440	1,440	720	720		4,320	
	Federal †		5,760	5,760	2,880	2,880		17,280	
Total			7,200	7,200	3,600	3,600		21,600	

* for informational purposes only

all costs in \$000s

† when federally-funded, RU Urban Reconstruct improvements may receive NHPP, STBG, and/or other federal funds as determined appropriate by MDOT

Estimated Total Project Cost 22,000

STIP # SH1801
Project SHRP2 Statewide Regional Operations Forum 2017
Location Statewide
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Grant funding to modify original regional operations forum concept and conduct a session for up to 30 participants.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP	SHRP	60	19					19	
PE									
RW									
CO									
Subtotal	State								
	Federal	60	19					19	
Total		60	19					19	

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 79

STIP # SM1761
Project MD 234 Chaptico Creek Bridge Replacement
Location MD 234 at Chaptico Creek, Chaptico
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Replacement of existing 1959 bridge.

			STIP					
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Phase	Funding	Previous FYs	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023*	FY 2024*	FY 2019-2022 STIP Total
PP									
PE	State	206	151	339	339	141			970
RW									
CO									
<i>Subtotal</i>	<i>State</i>	<i>206</i>	<i>151</i>	<i>339</i>	<i>339</i>	<i>141</i>			<i>970</i>
	<i>Federal</i>								
Total		206	151	339	339	141			970

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 4,200

STIP # SM2021
Project MD 5 at Abell Street/Moakley Street Intersection Reconstruction
Location MD 5 at Abell Street/Moakley Street, Leonardtown
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Reconstruction of MD 5 intersection, including addition of left-turn lanes; 0.2 miles.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP									
PE	State	2,160	440	300				740	
RW	State	1,310	600	527	500			1,627	
CO	Private		400					400	
	State	7	697	505	689			1,891	
	STBG			1,547	2,107			3,654	
<i>Subtotal</i>	<i>Private</i>		<i>400</i>					<i>400</i>	
	<i>State</i>	<i>3,477</i>	<i>1,737</i>	<i>1,332</i>	<i>1,189</i>			<i>4,258</i>	
	<i>Federal</i>			<i>1,547</i>	<i>2,107</i>			<i>3,654</i>	
Total		3,477	2,137	2,879	3,296			8,312	

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 12,000

STIP # SM3521
Project MD 5 Corridor Study
Location MD 5 (MD 243 - MD 245), Leonardtown
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Study of MD 5 upgrades; 1.4 miles.

			STIP					
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Phase	Funding	Previous FYs	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023*	FY 2024*	FY 2019-2022 STIP Total
PP	State	2,174							
PE									
RW									
CO									
Subtotal State		2,174							
<i>Federal</i>									
Total		2,174							

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 79,000[†]

[†] includes costs of study and additional upgrades in corridor beyond existing breakout project (SM2021)

STIP # SM7741
Project MD 5 Highway Reconstruction
Location MD 5 (South of Camp Brown Road - Lake Conoy Causeway), Scotland
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Reconstruction of and addition of shoulders to MD 5; 2.2 miles.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP	State	174							
	STBG	295							
PE	State	3,357	200					200	
RW	State	60	345	271	407			1,023	
	STBG	49	1,221	963	1,445			3,629	
CO	State	128	549	1,997	1,325			3,871	
	STBG		2,031	7,057	4,682			13,770	
Subtotal State		3,719	1,094	2,268	1,732			5,094	
<i>Federal</i>		<i>344</i>	<i>3,252</i>	<i>8,020</i>	<i>6,127</i>			17,399	
Total		4,063	4,346	10,288	7,859			22,493	

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 27,000

STIP # SO2121
Project MD 364 Dividing Creek Bridge Replacement
Location MD 364 at Dividing Creek, West Pocomoke
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Replacement of existing 1933 bridge, which is rated in poor condition.

STIP		
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Phase	Funding	Previous FYs	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023*	FY 2024*	FY 2019-2022 STIP Total
PP									
PE	State	824	38						38
RW	State	1	87	70	4	4	1		165
CO	State		404	205					609
	STBG		1,300	682					1,982
Subtotal	State	825	529	275	4	4	1		812
	Federal		1,300	682					1,982
Total		825	1,829	957	4	4	1		2,794

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 3,600

STIP # TA3921
Project MD 331 Choptank River Bridge Replacement
Location MD 331 at Choptank River, Easton
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Replacement of former 1932 bridge.

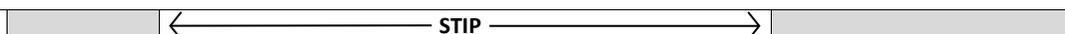
Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP	State	584							
PE	State	335							
	STBG	1,340							
RW	State	39	1,500	1,381				2,881	
	HPP	248							
CO	State	10,842	1,326					1,326	
	HPP	3,454							
	STBG	40,663	4,674					4,674	
Subtotal	State	11,800	2,826	1,381				4,207	
	Federal	45,705	4,674					4,674	
Total		57,505	7,500	1,381				8,881	

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 66,000

STIP # WO3151
Project MD 589 Corridor Study
Location MD 589 (US 50 - US 113), Ocean Pines
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Study of MD 589 improvements; 4.7 miles.



Phase	Funding	Previous FYs	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023*	FY 2024*	FY 2019-2022 STIP Total
PP	State	246							
	STBG	1,171							
PE									
RW									
CO									
<i>Subtotal</i>	<i>State</i>	246							
	<i>Federal</i>	1,171							
Total		1,417							

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 250,000

STIP # WO4191
Project US 50 Sinepuxent Bay Bridge Replacement
Location US 50 at Sinepuxent Bay, Ocean City
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Replacement of 1942 bridge.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP	State	2,907							
PE									
RW									
CO									
<i>Subtotal</i>	<i>State</i>	2,907							
	<i>Federal</i>								
Total		2,907							

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 380,000

STIP # WO6351
Project US 113 Phase 4 Highway Reconstruction
Location US 113 (Five Mile Branch - North of MD 365), Snow Hill
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Reconstruction and dualization of US 113 to a four-lane divided highway; 4.3 miles.

STIP			

Phase	Funding	Previous FYs	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023*	FY 2024*	FY 2019-2022 STIP Total
PP									
PE	State	617							
	NHPP	4,701							
RW	State	835	545	116	97				758
	NHPP	2,942	3,207	1,652	330				5,189
CO	State	187	143	139					282
	NHPP	21,604	20,294	17,538					37,832
<i>Subtotal</i>	<i>State</i>	<i>1,639</i>	<i>688</i>	<i>255</i>	<i>97</i>				<i>1,040</i>
	<i>Federal</i>	<i>29,247</i>	<i>23,501</i>	<i>19,190</i>	<i>330</i>				<i>43,021</i>
Total		30,886	24,189	19,445	427				44,061

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 75,000

STIP # WO6361
Project US 113 Phase 3 Highway Reconstruction
Location US 113 (Massey Branch - Five Mile Branch), Newark
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Reconstruction and dualization of US 113 to a four-lane divided highway; 4.6 miles.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP									
PE	State	849							
	NHPP	2,358							
RW	State	5,681	2,419	572				2,991	
	NHPP	3,019	553					553	
CO	State	3,462	670	295				965	
	NHPP	30,920	2,996	819				3,815	
<i>Subtotal</i>	<i>State</i>	<i>9,992</i>	<i>3,089</i>	<i>867</i>				<i>3,956</i>	
	<i>Federal</i>	<i>36,297</i>	<i>3,549</i>	<i>819</i>				<i>4,368</i>	
Total		46,289	6,638	1,686				8,324	

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 55,000

STIP # XY1811
Project Traffic Relief Plan Smart Traffic Signals
Location Statewide
Responsible Agency Maryland Department of Transportation State Highway Administration (MDOT SHA)
Description Installation of traffic signals that adjust timing and synchronization in corridors to adaptively manage traffic operations and reduce congestion.

Phase	Funding	Previous FYs	STIP				FY 2023*	FY 2024*	FY 2019-2022 STIP Total
			FY 2019	FY 2020	FY 2021	FY 2022			
PP	State	10	66	66	66	66	66	264	
	STBG	40	263	263	263	263	263	1,052	
PE	State	23	154	154	154	154	154	616	
	CMAQ	46	307	307	307	307	307	1,228	
	STBG	46	307	307	307	307	307	1,228	
RW									
CO	State	2	5,118	3,000	4,000	5,000	3,000	17,118	
	CMAQ	4	7,676	4,500	6,000	7,500	4,500	25,676	
Subtotal	State	35	5,338	3,220	4,220	5,220	3,220	17,998	
	Federal	136	8,553	5,377	6,877	8,377	5,377	29,184	
Total		171	13,891	8,597	11,097	13,597	8,597	47,182	

* for informational purposes only

all costs in \$000s

Estimated Total Project Cost 56,000