

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$,000)**

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
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MDOT/State Highway Administration

Interstate

I-270 at Watkins Mill Road Interchange

TIP ID: 3044	Agency ID: MO3511	Title: I-270 at Watkins Mill Road Interchange Construction	Complete: 2020	Total Cost: \$129,742
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Facility: I 270 at Watkins Mill Road	NHPP	100/0/0	68 b	1,096 b	1,096 b	973 b			3,233
From:									
To:	State	0/100/0		30,422 c	42,317 c	35,892 c			108,631

Total Funds: 111,864

Description: Construction of a new I-270 interchange at Watkins Mill Road.

I-270/I-495 West Side Corridor

TIP ID: 6444	Agency ID: MO0691	Title: I-270 Innovative Congestion Management	Complete: 2021	Total Cost: \$100,000
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Facility: I 270	State	0/100/0	1,500 a	18,462 c	26,513 c	26,546 c	19,530 c		98,500
From: I 495			5,949 c						
To: I 70									

Total Funds: 98,500

Description: Pilot implementation of active traffic management (ATM) and innovative congestion mitigation (ICM) tools to reduce congestion on I-270, including the east and west spurs (31.5 miles).

TIP ID: 6432	Agency ID: MO8382	Title: I-495, Capital Beltway, American Legion Bridge Planning Study	Complete: 2030	Total Cost:
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Facility: I 495	State	0/100/0	1,250 a	1,250 a	1,250 a	820 a			4,570
From: Northern terminus of I-495 HOT lane facility									
To: I 270									

Total Funds: 4,570

Description: I-495 reconstruction between the Potomac River and I-270 and I-270 Spur reconstruction between I-495 and I-270.

I-270/US 15 Corridor

TIP ID: 6431	Agency ID: FR1881	Title: US 15/US 40 Frederick Freeway Highway Reconstruction	Complete: 2030	Total Cost:
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Facility: US 15 /US 40	State	0/100/0	1,000 a	1,674 a	1,250 a	550 a			4,474
From: I 70									
To: MD 26									

Total Funds: 4,474

Description: Reconstruction of US 15 and US 40 between I-70 and MD 26.

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Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total	
I-70/US 40 at MD 144FA, Meadow Road, and Old National Pike Interchange										
TIP ID: 6411 Agency ID: FR5801 Title: I-70/US 40 at MD 144FA, Meadow Road, and Old National Pike Interchan			Complete: 2022				Total Cost:		\$32,800	
Facility: I 70 at MD 144FA	Local	0/0/100	300 b	300 b	8,250 c	8,250 c			23,600	
From:				6,500 c						
To:	PRIV	0/0/0	2,000 a	900 a					2,900	
Total Funds:									26,500	

Description: Construction of two missing I-70/US 40 ramp movements at MD 144FA, Meadow Road, and Old National Pike, including entry ramp to westbound I-70/US 40 and exit ramp from eastbound I-70/US 40. 

I-95/I-495 at Greenbelt Metro Station Interchange										
TIP ID: 2894 Agency ID: PG3331 Title: I-95/I-495 at Greenbelt Metro Station Interchange Construction			Complete: 2020				Total Cost:		\$167,107	
Facility: I 95 at Greenbelt Metro Station	NHPP	100/0/0	1,764 a	22,448 c	31,808 c	34,045 c	28,697 c		118,762	
From:										
To:	State	0/100/0	498 a	2,000 b	3,232 b	3,225 b	8,095 c		42,240	
			283 b	6,332 c	8,972 c	9,603 c				
Total Funds:									161,002	

Description: Construction of a full I-95/I-495 interchange at Greenbelt Metro Station.

MD 5 at I-95/I-495 Interchange										
TIP ID: 3554 Agency ID: PG4941 Title: MD 5 at I-95/I-495 Phase 2 Highway Reconstruction			Complete: 2020				Total Cost:		\$48,154	
Facility: MD 5	NHPP	100/0/0	626 b	811 b	517 b	250 b			9,065	
From: I 95			6,861 c							
To: Branch Avenue Metro Station	State	0/100/0	291 b	291 b	121 b				2,443	
			1,740 c							
Total Funds:									11,508	

Description: Construction of MD 5 Phase 2 improvements, improving access to Branch Avenue Metro Station, including access road improvements; MD 5 pedestrian bridge; and Auth Road, Auth Place, and Auth Way improvements.

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Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
Primary									
MD 210 Corridor									
TIP ID: 4879 Agency ID: PG7001 Title: MD 210 at Kerby Hill Road/Livingston Road			Complete: 2020				Total Cost: \$115,389		
Facility: MD 210 at Kerby Hill Road/Livingston Road	NHPP	100/0/0	1,094 b	1,094 b	1,094 b	1,003 b			63,464
From:			15,798 c	17,807 c	23,593 c	1,981 c			
To:									
	State	0/100/0	1,174 b	526 b	274 b	251 b			23,121
			5,603 c	6,296 c	8,287 c	710 c			
Total Funds:									86,585

Description: Construction of a new MD 210 interchange at Kerby Hill Road/Livingston Road.

MD 4 at Suitland Parkway Interchange									
TIP ID: 3547 Agency ID: PG6181 Title: MD 4 at Suitland Parkway Interchange Construction			Complete: 2022				Total Cost: \$140,314		
Facility: MD 4 at Suitland Parkway	HPP	100/0/0		10,000 c					10,000
From:									
To:	NHPP	100/0/0	257 a	1,135 b	2,500 b	29,049 c			55,124
			2,083 b	2,411 c	17,355 c				
			334 c						
	PL	100/0/0	5,000 c						5,000
	State	0/100/0	272 a	3,582 b	3,621 b	2,766 b			31,338
			3,376 b	2,063 c	3,305 c	10,559 c			
			1,794 c						
	STP	100/0/0	649 a						649
Total Funds:									102,111

Description: Construction of a new MD 4 interchange at Suitland Parkway.

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	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total	
MD 5 Corridor											
TIP ID: 4882 Agency ID: PG1751		Title: MD 5 at MD 373 and Brandywine Road Interchange Construction					Complete: 2017		Total Cost: \$55,532		
Facility: MD 5 at MD 373 and Brandywine Road	HPP	100/0/0		2,820 c	3,928 c	4,121 c	2,989 c			13,858	
From:											
To:	NHPP	100/0/0		2,820 c	3,929 c	4,122 c	2,990 c			13,861	
	State	0/100/0		999 b	736 b	4,483 c	3,252 c			16,810	
				3,067 c	4,273 c						
	TCSP	100/0/0		192 b	95 b					287	
Total Funds:										44,816	

Description: Construction of a new MD 5 interchange at MD 373 and Brandywine Road. This project also includes construction of a park-and-ride lot.

TIP ID: 3469 Agency ID: PG3916		Title: MD 5 Corridor Study					Complete: 2025		Total Cost: \$715,700		
Facility: MD 5	State	0/100/0		130 a						130	
From: US 301											
To: I 95											
Total Funds:										130	

Description: A study to upgrade MD 5 to a multilane freeway from US 301 at T.B. to north of I-95/I-495.

TIP ID: 6395 Agency ID: PG5971		Title: MD 5 at Linda Lane Intersection Improvements					Complete: 2025		Total Cost: \$16,300		
Facility: MD 5 at Linda Lane	NHPP	100/0/0		1,000 a	750 a	742 a				2,492	
From:											
To:											
Total Funds:										2,492	

Description: Construction of MD 5 intersection improvements at Linda Lane.



US 1 Corridor											
TIP ID: 3108 Agency ID: PG6241		Title: US 1 Highway Reconstruction					Complete: 2022		Total Cost: \$49,804		
Facility: US 1	State	0/100/0		2,000 b	4,829 b	1,421 b	8,709 c	9,826 c	10,107 c	40,481	
From: College Avenue						3,589 c					
To: I 95	STP	100/0/0		1,200 a	994 a	800 a				2,994	
Total Funds:										43,475	

Description: Reconstruction of US 1 between College Avenue and MD 193

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US 15 at Monocacy Boulevard Interchange									
TIP ID: 4892 Agency ID: FR5711 Title: US 15 at Monocacy Boulevard Interchange Construction			Complete: 2017		Total Cost: \$60,792				
Facility: US 15 at Monocacy Boulevard	NHPP	100/0/0	1,920 b	773 b	108 b				2,801
From:									
To: State	0/100/0		1,040 b	561 b	27 b				26,919
			13,410 c	11,881 c					
Total Funds:									29,720

Description: Construction of a grade-separated US 15 interchange at Monocacy Boulevard, including a park-and-ride lot.

US 29 Corridor									
TIP ID: 6389 Agency ID: MO4253 Title: US 29 at Stewart Lane, Tech Road, Greencastle Road, and Blackburn R			Complete: 2040		Total Cost: \$390,900				
Facility: US 29 at Stewart Lane, Tech Road, Greenca	PL	100/0/0			420 a				420
From:									
To:									Total Funds: 420

Description: Construction of new US 29 interchanges at Stewart Lane, Tech Road, Greencastle Road, and Blackburn Road.



US 301 Corridor (Waldorf Area)									
TIP ID: 4881 Agency ID: CH2031 Title: US 301 Waldorf Area Project			Complete: 2040		Total Cost: \$175,600				
Facility: US 301	NHPP	100/0/0	1,000 a	1,000 a					2,000
From: MD 227									
To: MD 5 at T.B.	State	0/100/0			1,721 a				1,721
Total Funds:									3,721

Description: A study examining alternatives, including grade-separated interchanges at MD 5 and MD 228, to upgrade US 301 through Waldorf from MD 227 to north of MD 5 at T.B.

US 50 Corridor									
TIP ID: 6398 Agency ID: PG0641 Title: US 50 Feasibility Study			Complete: 2016		Total Cost: \$500				
Facility: I 595 /US 50	State	0/100/0	52 d						52
From: Maryland/District of Columbia line									
To: MD 704									Total Funds: 52

Description: A study to examine I-595/US 50 capacity and operational improvements between the Maryland/District of Columbia line and MD 704.

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Secondary

Joint Base Andrews BRAC Improvements

TIP ID: 5759	Agency ID: PG7801	Title: Joint Base Andrews BRAC Improvements	Complete: 2016	Total Cost: \$7,400
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Facility: PL	100/0/0	3,494	a						3,494
From:									
To:									Total Funds: 3,494

Description: Overall design of improvements providing improved access to Joint Base Andrews. Parent project of PG7802 (TIP 6392) and PG7803 (TIP 6393).

TIP ID: 6392	Agency ID: PG7802	Title: MD 337 at MD 218 BRAC Intersection Improvements	Complete: 2016	Total Cost: \$5,850
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Facility: MD 337 at MD 218	NHPP	100/0/0	27	b					27
From:									
To:	State	0/100/0	26	b	6	b			356
			324	c					
	STP	100/0/0	64	b	21	b			1,749
			1,664	c					
									Total Funds: 2,132

Description: Construction of MD 337 intersection improvements at MD 218 to improve access to Joint Base Andrews.



MD 124 Corridor

TIP ID: 3057	Agency ID: MO6322	Title: MD 124 Phases 2-3 Highway Reconstruction	Complete: 2020	Total Cost: \$113,500
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Facility: MD 124	Local	0/0/100	2,500	b	2,500	b			5,000
From: Midcounty Highway									
To: Warfield Road	State	0/100/0	851	a	869	a	121	a	1,841
									Total Funds: 6,841

Description: Reconstruction of MD 124 from Midcounty Highway to south of Airpark Road and north of Fieldcrest Road to Warfield Road.

MD 180/MD 351 Corridor

TIP ID: 6489	Agency ID: FR6781	Title: MD 180, Jefferson Pike - Urban Reconstruction	Complete: 2019	Total Cost: \$28,295
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Facility: MD 180 Jefferson Pike	State	0/100/0	1,120	a	825	a	3,456	c	9,671	c	12,873	c		27,945
From: N. of I-70														
To: Structure No. 10140														Total Funds: 27,945

Description: Urban reconstruction for MD 180, Jefferson Pike from 600 feet north of I-70 to Structure No. 10140



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MD 28/MD 198 Corridor									
TIP ID: 3476 Agency ID: MO8861 Title: MD 28/MD 198 Corridor Study							Complete: 2025	Total Cost: \$356,600	
Facility: MD 28/198	State	0/100/0	1,125 a	710 a					1,835
From: MD 97									Total Funds: 1,835
To: I 95									
Description: A study examining capacity improvements in the MD 28/MD 198 corridor between MD 97 and I-95.									

MD 355 at Randolph Road/Montrose Parkway Interchange									
TIP ID: 3542 Agency ID: MO3441 Title: MD 355 Phase 2 Highway Reconstruction							Complete: 2020	Total Cost: \$87,600	
Facility: Montrose Parkway	Local	0/0/100	5,509 a						5,509
From: Randolph Road									Total Funds: 5,509
To: East of Parklawn Drive									
Description: Construction of Montrose Parkway, including a CSX Railroad grade-separated crossing and interchange at Parklawn Drive.									

MD 85 Corridor									
TIP ID: 6483 Agency ID: FRNEW3 Title: MD 85 Buckeystown Pike							Complete: 2021	Total Cost: \$106,951	
Facility: MD 85 Buckeystown Pike	HPP	100/0/0	351 a						351
From: Crestwood Boulevard /Shockley Drive	State	0/100/0	99 a	2,900 b	1,684 b	1,332 b	31,573 c		97,409
To: Spectrum Drive									Total Funds: 97,760
			3,334 b	11,877 c	21,127 c	23,483 c			
Description: Widen to a multilane divided highway from Crestwood Boulevard /Shockley Drive to Spectrum Drive, including MD 85 interchange reconstruction at I-270 and I-270 dual bridges replacement.									

MD 97 at Brookeville									
TIP ID: 3106 Agency ID: MO7461 Title: MD 97 at Brookeville Highway Construction							Complete: 2020	Total Cost: \$42,771	
Facility: MD 97	Local	0/0/100	250 a	1,711 b	6,374 c	1,626 b			11,461
From: Gold Mine Road									Total Funds: 37,138
To: North of Brookeville	State	0/100/0	1,500 b	8,907 c	15,396 c	1,374 b			
Description: Construction of new two-lane MD 97 from south of Brookeville, near Gold Mine Road, to north of Brookeville.									

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	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total	
MD 97 at Randolph Road Interchange											
TIP ID: 3104 Agency ID: MO8541		Title: MD 97 at Randolph Road Interchange Construction					Complete: 2017		Total Cost: \$78,017		
Facility: MD 97 at Randolph Road	NHPP	100/0/0		2,697 b						19,565	
From:				16,868 c							
To:	State	0/100/0		806 b	700 b					5,584	
				4,078 c							
Total Funds:										25,149	

Description: Construction of a new MD 97 interchange at Randolph Road.

MD 97 Montgomery Hills Study											
TIP ID: 5420 Agency ID: MO2241		Title: MD 97 Montgomery Hills Study					Complete: 2030		Total Cost: \$63,000		
Facility: MD 97	Local	0/0/100		387 a						387	
From: MD 390											
To: MD 192											
Total Funds:										387	

Description: A study evaluate MD 97 safety and accessibility improvements between MD 390 and MD 192

Naval Support Activity Bethesda BRAC Improvements											
TIP ID: 6384 Agency ID: MO5931		Title: Naval Support Activity Bethesda BRAC Improvements					Complete: 2020		Total Cost: \$23,000		
Facility:	OEA	100/0/0		1,732 c	1,023 c					2,755	
From:	State	0/100/0				1,204 c				1,204	
To:	STP	100/0/0				4,816 a				4,816	
Total Funds:										8,775	

Description: Overall design and construction of improvements providing improved access to Naval Support Activity Bethesda. Parent project of MO5932 (TIP 5998), MO5933 (TIP 6072), MO5934 (TIP 6122), MO5935 (TIP 5988), MO5936 (TIP 6077), MO5937 (TIP 5992), and MO5938 (TIP 6071).

MD 355 at Cedar Lane and Jones Bridge Road Phases 1-2 BRAC Inters											
TIP ID: 5998 Agency ID: MO5932		Title: MD 355 at Cedar Lane and Jones Bridge Road Phases 1-2 BRAC Inters					Complete: 2016		Total Cost: \$15,900		
Facility: MD 355 at Cedar Lane and Jones Bridge Ro	OEA	100/0/0		126 b	1,000 b	84 b				2,466	
From:				1,256 c							
To:	State	0/100/0		405 c						405	
Total Funds:										2,871	

Description: Construction of MD 355 Phase 1 and 2 intersection improvements at Cedar Lane and Jones Bridge Road to improve access to Naval Support Activity Bethesda.

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Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6072 Agency ID: MO5933 Title: MD 187 at West Cedar Lane/Oakmont Avenue BRAC Intersection Impro			Complete: 2016				Total Cost:		\$4,421
Facility: MD 187 at West Cedar Lane/Oakmont Aven	OEA	100/0/0	7 b	6 b					13
From:									
To:	State	0/100/0	80 b	66 b					146
Total Funds:									159

Description: Construction of MD 187 intersection improvements at West Cedar Lane/Oakmont Avenue to improve access to Naval Support Activity Bethesda.

TIP ID: 6122 Agency ID: MO5934 Title: MD 355 BRAC Highway Improvements			Complete: 2020				Total Cost:		\$4,299
Facility: MD 355	OEA	100/0/0	444 c	1,409 c	1,571 c	875 c			4,299
From: Woodmont Avenue/Glenbrook Parkway									
To: South Wood Road/South Drive									
Total Funds:									4,299

Description: Construction of MD 355 intersection improvements between Woodmont Avenue/Glenbrook Parkway and South Wood Road/South Drive to improve access to Naval Support Activity Bethesda. This project is being designed and construction in conjunctino with Montgomery County's MD 355 Crossing design/build project, which includes a MD 355 pedestrian underpass providing access to Medical Center Metro Station.

TIP ID: 6077 Agency ID: MO5936 Title: MD 320 at Sligo Creek Parkway BRAC Improvements Mitigation			Complete: 2017				Total Cost:		\$2,103
Facility: MD 320 at Sligo Creek Parkway	OEA	100/0/0	1,419 c						1,419
From:									
To:	State	0/100/0	19 c						19
Total Funds:									1,438

Description: Construction of bicycle/pedestrian improvements, including a new Anacostia Tributary Trail System Sligo Creek bicycle/pedestrian bridge. This project serves as mitigation for BRAC improvements right-of-way effects to Maryland-National Capital Park and Planning Commission properties.

TIP ID: 6071 Agency ID: MO5938 Title: MD 185 at Jones Bridge Road and Kensington Parkway Phase 3 BRAC I			Complete: 2020				Total Cost:		\$18,400
Facility: MD 185 at Jones Bridge Road and Kensingt	OEA	100/0/0	2,423 b	1,367 b	938 c	2,734 c	1,768 c		9,230
From:									
To:									
Total Funds:									9,230

Description: Construction of MD 185 Phase 3 intersection improvements at Jones Bridge Road and Kensington Parkway to improve access to Naval Support Activity Bethesda.

Other									
Bladensburg War of 1812 Archaeological/Historical Study									
TIP ID: 6399 Agency ID: PG7621 Title: Bladensburg War of 1812 Archaeological/Historical Study			Complete: 2017				Total Cost:		\$66
Facility: US at Bladensburg	NPS	100/0/0	62 a						62
From:									
To:									
Total Funds:									62

Description: An archaeological study of sites related to the Battle of Bladensburg during the War of 1812.

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System Preservation Projects										
TIP ID: 6532 Agency ID: Title: MD 355 Frederick Road Bridge Replacement over Little Bennett Creek Complete: 2018 Total Cost: \$5,215										
Facility: MD 355 at Little Bennett Creek	State	0/100/0		450 a	225 a					4,675
From:				1,420 c	2,580 c					
To:										
Total Funds:										4,675

Description: Replacement of MD 355 Bridge 15053 over Little Bennett Creek.

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3081 Agency ID: AWBR Title: Bridge Replacement and Rehabilitation Complete: Total Cost:										
Facility:	NHPP	100/0/0		3,182 a	3,324 a	3,169 a	3,123 a	3,331 a	3,324 a	108,072
From:				530 b	554 b	528 b	521 b	555 b	554 b	
To:				13,964 c	14,590 c	13,907 c	13,708 c	14,618 c	14,590 c	
<hr/>										
	State	0/100/0		846 a	884 a	842 a	831 a	886 a	884 a	28,245
				141 b	148 b	140 b	139 b	148 b	148 b	
				3,711 c	3,882 c	3,697 c	3,647 c	3,889 c	3,382 c	
<hr/>										
	STP	100/0/0		201 a	214 a	201 a	201 a	214 a	214 a	6,915
				33 b	36 b	33 b	33 b	36 b	36 b	
				882 c	939 c	882 c	882 c	939 c	939 c	
Total Funds:										143,232

Description: Bridge replacement and rehabilitation projects include structural replacements, bridge deck rehabilitation, superstructure replacements, bridge parapet reconstruction, and painting.

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 5838 Agency ID: AWCE Title: Congressional Earmarks Complete: Total Cost:										
Facility:	Earmark	100/0/0		4,136 c						4,136
From:										
To:	HPP	100/0/0		1,600 c						1,600
	Local	0/0/100		400 c						400
Total Funds:										6,136

Description: Congressional earmarks are non-SHA projects that receive federal funding through Congressional action, either a High Priority (HPP) earmark from reauthorization bill MAP-21 or an earmark in the annual appropriations omnibus bill. Since these earmarks are granted via a transportation spending bill, MDOT/SHA administer these funds. Individual projects are shown in the SHA portion of the CTP under the respective jurisdictions. The match amounts, which vary percentage-wise project by project, are provided by project sponsors.

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			Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3085			Agency ID: AWCM			Title: Congestion Management			Complete:		Total Cost:	
Facility:	CMAQ			100/0/0		433 a	433 a	516 a	400 a	383 a	366 a	6,841
From:						12 b	12 b	14 b	11 b	10 b	10 b	
To:						725 c	725 c	865 c	670 c	642 c	614 c	
	NHPP			100/0/0		160 a	173 a	200 a	147 a	147 a	133 a	2,594
						4 b	5 b	5 b	4 b	4 b	4 b	
						268 c	290 c	335 c	246 c	246 c	223 c	
	State			0/100/0		130 a	140 a	163 a	120 a	113 a	107 a	2,089
						3 b	4 b	4 b	3 b	3 b	3 b	
						218 c	234 c	274 c	201 c	190 c	179 c	
	STP			100/0/0		360 a	386 a	453 a	333 a	306 a	293 a	5,759
						10 b	10 b	12 b	9 b	8 b	8 b	
						603 c	647 c	759 c	558 c	513 c	491 c	
Total Funds:											17,283	

Description: Congestion management projects include traffic management, new and reconstructed signals, signage, lighting, signal systemization, design and construction of park-and-ride facilities, CHART, design and construction of ITS projects, and design and construction of intersection capacity improvements.

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TIP ID: 3038 Agency ID: AWEN Title: Environmental Projects				Complete:				Total Cost:		
Facility:	HSIP	100/0/0		77 a	62 a	62 a	62 a	64 a	46 a	976
From:				2 b	2 b	2 b	2 b	99 c	1 b	
To:				124 c	99 c	99 c	99 c		74 c	
	NHPP	100/0/0		1,190 a	725 a	274 a	274 a	643 a	629 a	9,828
				31 b	19 b	7 b	7 b	17 b	17 b	
				1,911 c	1,164 c	439 c	439 c	1,032 c	1,010 c	
	NRT	100/0/0		155 a						408
				4 b						
				249 c						
	State	0/100/0		644 a	451 a	212 a	212 a	483 a	473 a	6,532
				17 b	12 b	6 b	6 b	12 b	12 b	
				1,032 c	745 c	341 c	341 c	772 c	761 c	
	STP	100/0/0		1,190 a	1,053 a	547 a	547 a	1,259 a	1,245 a	15,370
				31 b	28 b	14 b	14 b	33 b	33 b	
				1,911 c	1,691 c	878 c	878 c	2,020 c	1,998 c	
Total Funds:										33,114

Description: Environmental projects include environmental preservation, wetland replacement, reforestation, landscaping, environmental compliance, noise abatement and sound barriers, drainage improvements, total maximum daily load (TMDL) compliance, and bicycle facility retrofit improvements.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source		Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3082 Agency ID: AWRR		Title: Resurfacing and Rehabilitation			Complete:			Total Cost:		
Facility:	HSIP	100/0/0		26 a	23 a	26 a	26 a	23 a	23 a	2,067
From:				4 b	3 b	4 b	4 b	3 b	3 b	
To:				335 c	298 c	335 c	335 c	298 c	298 c	
	NHPP	100/0/0		965 a	864 a	968 a	953 a	854 a	852 a	65,268
				138 b	123 b	138 b	136 b	122 b	122 b	
				13 c	11,360 c	12,718 c	12,519 c	11,228 c	11,195 c	
	State	0/100/0		558 a	500 a	560 a	551 a	494 a	493 a	38,525
				80 b	71 b	80 b	79 b	71 b		
				7,332 c	6,566 c	7,357 c	7,241 c	6,492 c		
	STP	100/0/0		1,255 a	1,124 a	1,260 a	1,240 a	1,111 a	1,109 a	101,413
				179 b	161 b	180 b	177 b	159 b	158 b	
				16,494 c	14,772 c	16,560 c	16,295 c	14,606 c	14,573 c	
Total Funds: 207,273										

Description: Resurfacing and rehabilitation projects include pavement milling, pavement overlay, and concrete patching.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source		Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3084 Agency ID: AWSS		Title: Safety and Spot Improvements			Complete:			Total Cost:		
Facility:	CMAQ	100/0/0		122 a	81 a	68 a	54 a	81 a	68 a	1,577
From:				8 b	5 b	5 b	4 b	5 b	5 b	
To:				275 c	184 c	153 c	122 c	184 c	153 c	
	HSIP	100/0/0		2,411 a	909 a	1,036 a	965 a	1,180 a	1,061 a	25,427
				161 b	61 b	294 b	64 b	78 b	70 b	
				5,464 c	2,060 c	2,349 c	2,188 c	2,673 c	2,403 c	
	NHPP	100/0/0		1,220 a	821 a	713 a	680 a	983 a	983 a	18,001
				81 b	55 b	48 b	45 b	66 b	66 b	
				2,766 c	1,860 c	1,616 c	1,542 c	2,228 c	2,228 c	
	State	0/100/0		1,280 a	915 a	831 a	798 a	1,314 a	1,014 a	20,506
				85 b	61 b	56 b	53 b	87 b	67 b	
				2,901 c	2,075 c	1,885 c	1,809 c	2,977 c	2,298 c	
	STP	100/0/0		4,908 a	2,774 a	2,660 a	2,111 a	3,911 a	2,606 a	63,666
				326 b	185 b	178 b	167 b	261 b	173 b	
				11,124 c	5,793 c	6,029 c	5,690 c	8,863 c	5,907 c	
Total Funds: 129,177										

Description: Safety and spot improvements include roundabouts, geometric improvements, intersection capacity improvements, slope repairs, pedestrian crossings, sidewalks, rail crossings, safety improvements, intersection realignment, drainage improvements, pavement marking, joint sealing, truck weigh facilities, rest areas, crash prevention measures, guardrail end treatments, ADA retrofits, traffic management.

TIP ID: 2710 Agency ID: AWTE		Title: Transportation Alternatives			Complete:			Total Cost:		
Facility:	State	0/100/0		68 a	67 a	69 a	69 a	127 a	400 a	13,322
From:				90 b	89 b	92 b	91 b	170 b	533 b	
To:				968 c	960 c	991 c	983 c	1,827 c	5,728 c	
	STP/E	100/0/0		270 a	268 a	276 a	274 a	510 a	1,598 a	53,280
				360 b	357 b	369 b	366 b	680 b	2,131 b	
				3,870 c	3,839 c	3,963 c	3,932 c	7,307 c	22,910 c	
Total Funds: 66,602										

Description: Transportation Alternatives projects include areawide: Tree planting, native plant establishment, and integrated roadside vegetation management; in Frederick County: Ballenger Creek Trail Phase 1, Ballenger Creek Trail Phase 4, Carroll Creek Park Trail Phase 2, and Saving Maryland's Civil War Battlefields; in Montgomery County: Anglers Breach, Ethan Allen Gateway streetscape, Flower Avenue streetscape, I-270 stormwater management facilities functional upgrades, MTA's share of Capital Crescent Trail construction costs associated with the Purple Line, Olde Towne Gaithersburg rolling stock restoration, and Shady Grove Metro Access Road bikepath; and in Prince George's County: Bladensburg Archaeology, Bowie Heritage Trail Phase 1, College Park Trolley Trail Phase 4, North Gate Park at Paint Branch, and Scorpion 2010 Archaeology.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

			Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3083 Agency ID: AWUR Title: Urban Reconstruction									Complete:	Total Cost:		
Facility:	NHPP		100/0/0			216 a	143 a	168 a	147 a	22 a	22 a	5,978
From:						36 b	24 b	28 b	24 b	4 b	4 b	
To:						1,548 c	1,022 c	1,207 c	1,053 c	155 c	155 c	
<hr/>												
	State		0/100/0			154 a	100 a	121 a	743 a	15 a	15 a	4,250
						26 b	17 b	20 b	104 b	3 b	3 b	
						1,107 c	719 c	867 c	18 c	109 c	109 c	
<hr/>												
	STP		100/0/0			402 a	259 a	315 a	2,188 a	39 a	39 a	11,017
						67 b	43 b	53 b	45 c	6 b	6 b	
						2,879 c	1,858 c	2,260 c		279 c	279 c	
											Total Funds:	21,245

Description: Urban reconstruction projects include drainage improvements, curb and gutter replacement, pavement milling and resurfacing, streetscaping, sidewalks improvements, signage, marking, and lighting.

TIP ID: 6517 Agency ID: CH2061 Title: MD 234 Gilbert Swamp Run Bridge Replacement									Complete: 2018	Total Cost: \$5,044		
Facility:	MD 234 at Gilbert Swamp Run		BR	100/0/0		347 a						347
From:												
To:	State		0/100/0			87 a	3,100 c					4,087
						900 c						
											Total Funds:	4,434

Description: Replacement of MD 234 Bridge# 08047 over Gilbert Swamp Run. The existing bridge is structurally deficient.



TIP ID: 6481 Agency ID: FR1301 Title: US 15 Catoctin Mountain Highway Bridge Replacement									Complete: 2017	Total Cost: \$6,411		
Facility:	US 15 at MD 26		State	0/100/0		4,135 c	1,023 c					5,158
From:												
To:												
											Total Funds:	5,158

Description: Replacement of US Cactoctin Mountain Highway bridge 1019701 over MD 26. The existing bridge is structurally deficient.

TIP ID: 6518 Agency ID: FR1321 Title: MD 355 Urbana Pike Bridge Replacement									Complete: 2018	Total Cost: \$8,789		
Facility:	MD 355 at Bennett Creek		State/Local	0/100/0		2,080 c	5,920 c					8,000
From:												
To:												
											Total Funds:	8,000

Description: Replacement of MD 355 Urbana Pike bridge 1008600 over Bennett Creek. The existing bridge is structurally deficient.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6488 Agency ID: FR3501 Title: US 40 AL Urban Reconstruction									Complete: 2019 Total Cost: \$17,799	
Facility: US 40 Main Street AL	NHPP	100/0/0		2,162 c	4,533 c	2,211 c				8,906
From: Ivy Hill Road										
To: Middletown Parkway	State	0/100/0		64 b	64 b	112 b				5,466
				807 c	2,939 c	1,480 c				

Total Funds: 14,372

Description: Reconstruction of US 40 AL from Ivy Hill Drive to Middletown Parkway.



TIP ID: 6439 Agency ID: FR5361 Title: MD 140 Flat Run Bridge Replacement									Complete: 2018 Total Cost: \$5,784	
Facility: MD 140 at Flat Run	State	0/100/0		80 b	79 b	42 c				845
From:										
To:	STP	100/0/0		298 c	346 c					
				1,569 c	1,817 c	220 c				3,606

Total Funds: 4,451

Description: Replacement of MD 140 Flat Run Bridge 10062. The existing bridge is structurally deficient.



TIP ID: 6486 Agency ID: FR5591 Title: MD 355 Urbana Pike Bridge Replacement									Complete: 2021 Total Cost: \$9,187	
Facility: MD 355 over CSXT Railroad	BR	100/0/0		536 a						536
From:										
To:	State	0/100/0		192 a	152 b	152 b	152 b	114 b		
				152 b	2,413 c	2,413 c	843 c			
				739 c						

Total Funds: 7,858

Description: Replacement of MD 355 Urbana Pike Bridge 10084 over CSXT railroad. The existing bridge is structurally deficient.



TIP ID: 6482 Agency ID: FR6471 Title: MD 75 Green Valley Road Bridge Replacement									Complete: 2017 Total Cost: \$2,848	
Facility: MD 75 at Haines Branch	State	0/100/0		114 c						114
From:										
To:										Total Funds: 114

Description: Replacement of MD 75 Green Valley Road Bridge 10172 over Haines Branch.



**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$,000)**

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6507 Agency ID: MO1741 Title: Complete Streets Near Metro Station S. Stonestreet Ave					Complete:			Total Cost:		
Facility:	Local	0/0/100		39 c						39
From:										
To:	TCSP	100/0/0		156 c						156
Total Funds:										195

Description: Implement a road diet on S. Stonestreet Avenue near the Rockville metro station to provide space for a sidewalk and bike lanes.

TIP ID: 6508 Agency ID: MO1751 Title: Complete Streets Near Metro Station Twinbrook Station					Complete:			Total Cost:		
Facility:	Local	0/0/100		122 c						122
From:										
To:	TCSP	100/0/0		488 c						488
Total Funds:										610

Description: Improve pedestrian crossing locations on public roadways near the Twinbrook metro station

TIP ID: 6430 Agency ID: MO1881 Title: I-495 Inner Loop Resurfacing					Complete: 2018			Total Cost: \$10,097		
Facility: I 495	State	0/100/0		7,606 c	2,142 c					9,748
From: I 270Y										
To: Seminary Road										
Total Funds:										9,748

Description: Resurfacing of I-495 inner loop between I-270 and Seminary Road.

TIP ID: 6538 Agency ID: MO2401 Title: MD 195, Carroll Avenue at Sligo Creek and Sligo Creek Parkway Bridge					Complete: 2019			Total Cost: \$12,254		
Facility: MD 195 at Sligo Creek and Sligo Creek Park	BR	100/0/0		8 a						8
From:										
To:	State	0/100/0		2 a	42 b	42 b	18 b			1,933
				42 b	768 c	15 c				
				1,004 c						
	STP	100/0/0		3,831 c	2,870 c					6,701
Total Funds:										8,642

Description: Replace Bridge 15033 over Sligo Creek and Sligo Creek Parkway.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6033 Agency ID: MO5821 Title: MD 193 I-495 Bridge Rehabilitation			Complete: 2017 Total Cost: \$11,462							
Facility: MD 193 at I-495	NHPP	100/0/0		302 c						302
From:										
To:	State	0/100/0		77 c						77
Total Funds:										379

Description: Rehabilitation of MD 193 I-495 Bridge 15136 substructure and replacement of MD 193 I-495 Bridge 13136 superstructure. The existing structure is structurally deficient and functionally obsolete

TIP ID: 6487 Agency ID: PG0461 Title: MD 381 Brandywine Road Bridge Replacement			Complete: 2018 Total Cost: \$3,176							
Facility: MD 381 at Timothy Branch	State	0/100/0		495 a	83 a					2,578
From:				500 c	1,500 c					
To:										
Total Funds:										2,578

Description: Replacement of MD 381 Brandywine Road Bridge 1630500 over Timothy Branch.



TIP ID: 6529 Agency ID: PG1061 Title: MD 212 A Urban Reconstruction			Complete: 2020 Total Cost: \$13,000							
Facility: MD	State	0/100/0		127 a	189 b	90 b	39 b	35 b		4,205
From: Pine Street				601 b	546 c	1,332 c	709 c	226 c		
To: US 1				311 c						
	STP	100/0/0		877 a	1,939 c	4,723 c	2,514 c	802 c		11,958
				1,103 c						
Total Funds:										16,163

Description: Reconstruction of MD 212A from Pine Street to US 1

TIP ID: 6522 Agency ID: PG1272 Title: I-95/I-495 at MD 214 Bridges Replacement			Complete: 2020 Total Cost: \$36,863							
Facility: I 95 I-95/I-495 at MD 214	NHPP	100/0/0		274 c	274 c	9,334 c	9,333 c	9,330 c		28,545
From:										
To:	State	0/100/0		694 a	314 a	2,334 c	2,333 c	2,333 c		8,150
				71 c	71 c					
Total Funds:										36,695

Description: Replacement of I-95/I-495 bridges 1615305 and 1615306 over MD 214. The existing bridges are structurally deficient and functionally obsolete.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

			Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total	
TIP ID: 6521	Agency ID: PG1272	Title: I-95/I-495 at MD 214 Bridges Replacement					Complete: 2020		Total Cost:		\$36,863		
Facility: I 95 I-95/I-495 at MD 214		NHPP	100/0/0		274 c	274 c	9,334 c					9,882	
From:													
To:		State	0/100/0		694 a	314 a	2,334 c	2,333 c				5,817	
					71 c	71 c							
											Total Funds:	15,699	

Description: Replacement of I-95/I-495 bridges 1615305 and 1615306 over MD 214. The existing bridges are structurally deficient and functionally obsolete.

TIP ID: 6180	Agency ID: PG1291	Title: I-595/US 50 Resurfacing (Eastbound)					Complete: 2017		Total Cost:		\$10,421		
Facility: I 595		NHPP	100/0/0		840 c							840	
From: Lottsford Vista Road													
To: Anne Arundel County Line		State	0/100/0		147 c							147	
											Total Funds:	987	

Description: Resurfacing of eastbound I-595/US 50 from Lottsford Vista Road to the Anne Arundel County line.

TIP ID: 6182	Agency ID: PG5431	Title: US 1 Drainage Improvements					Complete: 2017		Total Cost:		\$12,200		
Facility: US 1		State	0/100/0		2,432 c							2,432	
From: MD 212													
To: South of Ammendale Road													
											Total Funds:	2,432	

Description: Drainage improvements along US 1 from MD 212 to south of Ammendale Road. This project includes the replacement of a culvert under US 1 at Ammendale Road.

TIP ID: 6150	Agency ID: PG5461	Title: MD 500 Community Safety and Enhancement Improvements					Complete: 2016		Total Cost:		\$10,489		
Facility: MD 500		State	0/100/0		4,198 c							4,198	
From: MD 208													
To: MD 410													
											Total Funds:	4,198	

Description: Construction of MD 500 landscaped median with sidewalk and crosswalk improvements from MD 208 to MD 410.

TIP ID: 6032	Agency ID: PG6641	Title: MD 4 MD 223 Bridges Replacement					Complete: 2015		Total Cost:		\$22,400		
Facility: MD 4 at MD 223		NHPP	100/0/0		3,623 c							3,623	
From:													
To:		State	0/100/0		31 c							31	
											Total Funds:	3,654	

Description: Replacement of MD 4 MD 223 bridges 1618101 and 1618102. The existing bridges are structurally deficient and functionally obsolete.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6437 Agency ID: PG6981 Title: I-95/I-495 Suitland Road Bridges Replacement									Complete: 2020 Total Cost: \$35,621	

Facility: I 95 /I 495 at Suitland Road	State	0/100/0		10,635 c	12,899 c	10,240 c	102 c			33,876
From:										
To:										
Description: Replacement of I-95/I-495 Suitland Road Bridges 1616205 and 1616206. The existing bridges are structurally deficient and functionally obsolete.										
									Total Funds:	33,876



TIP ID: 6438 Agency ID: PG6982 Title: I-95/I-495 Suitland Parkway Bridges Replacement									Complete: 2019 Total Cost: \$31,176
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Facility: I 95 /I 495 at Suitland Parkway	State	0/100/0		1,086 a	15,300 c	14,700 c				31,086
From:										
To:										
Description: Replacement of I-95/I-495 Suitland Parkway Bridges 1616005 and 1616006. The existing bridges are structurally deficient and functionally obsolete.										
									Total Funds:	31,086



TIP ID: 6183 Agency ID: PG7581 Title: MD 4 Community Safety and Enhancement Improvements									Complete: 2017 Total Cost: \$26,464
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Facility: MD 4	State	0/100/0		15,828 c						15,828
From: Forestville Road										
To: MD 458										
Description: Construction of raised curb along the outside edge of MD 4, sidewalk along southbound MD 4, a 10-foot shared-use path along northbound MD 4, on-road bicycle accommodations, and other traffic calming measures between Forestville Road and MD 458.										
									Total Funds:	15,828

TIP ID: 6433 Agency ID: PG8231 Title: I-95 Resurfacing									Complete: 2017 Total Cost: \$13,004
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Facility: I 95	NHPP	100/0/0		7,720 c						7,720
From: I 495										
To: North of Old Gunpowder Road	State	0/100/0		683 c						683
									Total Funds:	8,403

Description: Resurfacing of I-95 from I-495 to north of Old Gunpowder Road.

TIP ID: 6514 Agency ID: PG9792 Title: I-595/US 50 Resurfacing (Westbound)									Complete: 2019 Total Cost: \$11,554
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Facility: I 595	State	0/100/0		7,515 c	2,737 c					10,252
From: Lottsford Vista Road										
To: Anne Arundel County Line	STP	100/0/0		65 a	65 a	16 a				146
									Total Funds:	10,398

Description: Resurfacing of westbound I-595/US 50 from Lottsford Vista Road to the Anne Arundel County line.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source			Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6181 Agency ID: PG9795 Title: MD 5 Resurfacing								Complete: 2016	Total Cost:		\$8,169
Facility: MD 5	NHPP	100/0/0			1 c						1
From: I 95											
To: MD 223	State	0/100/0			2 c						2
											Total Funds: 3

Description: Resurfacing of MD 5 from south of I-95/I-495 to MD 223.

TERMs

Transportation Emissions Reduction Measures

TIP ID: 3566 Agency ID: AWCC Title: Commuter Connections Program								Complete:	Total Cost:	
Facility:	State	0/100/0			2,788 e	3,046 e	2,962 e	3,065 e	3,333 e	15,194
From:										
To:										Total Funds: 15,194

Description: The Commuter Connections Program works to reduce the number of vehicle miles traveled, vehicle trips, and emissions. This program provides funding to TPB's Commuter Connections program for the following projects: Commuter Operations Center, Guaranteed Ride Home, marketing, monitoring and evaluation, employer outreach, and the telecommute project.

TIP ID: 5773 Agency ID: AWGR Title: Commuter Connections Program - Guaranteed Ride Home Baltimore/S								Complete:	Total Cost:		
Facility:	State	0/100/0			150 e	150 e	150 e	150 e	170 e	150 e	920
From:											
To:										Total Funds: 920	

Description: This project expands the Commuter Connections Program's Guaranteed Ride Home program to the Baltimore Metropolitan Area and to Saint Mary's County.

Transit

MD 586 Bus Rapid Transit Study

TIP ID: 6000 Agency ID: MO2441 Title: MD 586 Bus Rapid Transit Study								Complete: 2040	Total Cost:	\$87,600
Facility: MD 586	Local	0/0/100			2,389 a					2,389
From: MD 97										
To: MD 355										Total Funds: 2,389

Description: A study to evaluate roadway improvements necessary to implement Montgomery County's bus rapid transit system on MD 586 between Wheaton Metro Station and Rockville Metro Station.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
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MDOT/Maryland Transit Administration

Maintenance

Marc Improvements

TIP ID: 6400	Agency ID:	Title: MARC Improvements	Complete:	Total Cost:
Facility:		Sect. 5307 80/0/20		5,725 e 9,168 e 14,893
From:				
To:		Sect. 5337-SGR 80/0/20		14,739 e 940 e 15,679
Total Funds:				30,572

Description: Investments in passenger rail corridor infrastructure improvements are necessary to maintain/improve safety and quality of MARC

Transit

Large Urban Operating

TIP ID: 6147	Agency ID:	Title: Large Urban Preventive Maintenance	Complete:	Total Cost:
Facility:		Sect. 5307 80/20/0		5,555 e 5,555 e 11,110
From:				
To:				Total Funds: 11,110

Description: Preventive Maintenance Funds for Montgomery County.

Large Urban Systems- Capital

TIP ID: 2713	Agency ID: 0892/0893	Title: Large Urban Systems- Capital	Complete:	Total Cost:
Facility:		Sect. 5307 80/20/0		2,500 e 2,500 e 5,000
From:				
To:				Total Funds: 5,000

Description: Capital assistance for large urban transit service in Prince George's and Montgomery Counties.


MARC Rolling Stock Overhauls and replacements

TIP ID: 6401	Agency ID:	Title: MARC Rolling Stock Overhauls and Replacements	Complete:	Total Cost:
Facility:		Sect. 5307 80/20/0		1,493 e 1,493
From:				
To:		Sect. 5337-SGR 80/20/0		6,591 e 21,625 e 28,216
Total Funds:				29,709

Description: This is an ongoing project for the overhaul and replacement of MARC rolling stock. Overhaul of MARC Coaches and Locomotives are performed in accordance with "10-year Minor" and "20-year Midlife" schedules, and/or the manufacturer's schedule. Upgrade MARC vehicles with federally-mandated Positive Train Control safety features. The project also includes funding for multi-level coaches that will be used to replace coaches that have reached the end of their useful life and provide additional capacity for the MARC system.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
Purple Line									
TIP ID: 2795 Agency ID:		Title: Purple Line				Complete: 2022		Total Cost: \$2,410,000	
Facility: Purple Line	P3	0/0/0	17,330 c	17,330 c	17,330 c	17,330 c			69,320
From: Bethesda	Sect. 5307	100/0/0		10,000 c	10,000 c	5,000 c			25,000
To: New Carrollton	Sect. 5309-NS	100/0/0	116,000 c	116,000 c	116,000 c	116,000 c			464,000
	State	0/100/0	55,903 c	58,403 c	58,403 c	57,153 c			229,862
Total Funds:									788,182

Description: Construction of a 16 mile transitway that would operate between Bethesda and Silver Spring in Montgomery County and extend into Prince Georges County to connect with the Metrorail system at College Park and New Carrollton. The Bethesda to Silver Spring portion would include a parallel hiker/biker trail. The project would provide direct connections to both branches of the Metrorail Red Line, Green Line and Orange Line. The Purple Line would also link to all three MARC lines, AMTRAK and regional/local bus services. The project would include 21 stations. Ridership for 2040 is estimated at approximately 74,000 daily boardings. In addition to the figures shown in the TIP, the Purple Line P3 concessionaire is seeking a federal TIFIA loan. A TIFIA loan of approximately \$890 million is expected to be obligated in 2016 and utilized by the P3 concessionaire from 2016-2022. 

Ridesharing									
TIP ID: 3760 Agency ID:		Title: Ridesharing - Statewide Program				Complete:		Total Cost:	
Facility:	CMAQ	100/0/0	875 e	875 e					1,750
From:									
To:									Total Funds: 1,750

Description: To promote and encourage the establishment of carpools and vanpools. The ridesharing project covers the activities of the ridesharing unit of the Statewide Transportation Program with coordinators in Frederick, Prince George's and Montgomery Counties.

Rural Transit - Capital Assistance									
TIP ID: 2602 Agency ID: Part of 0218		Title: Rural Transit - Capital Assistance				Complete:		Total Cost:	
Facility:	Sect. 5311	80/10/10	70 e	70 e					140
From:									
To:									Total Funds: 140

Description: Capital assistance for rural transit service in Frederick County

Rural Transit - Operating Assistance									
TIP ID: 2853 Agency ID: Part of 0218		Title: Rural Transit - Operating Assistance				Complete:		Total Cost:	
Facility:	Sect. 5311	50/0/50	1,374 e	1,374 e					2,748
From:									
To:									Total Funds: 2,748

Description: Operating assistance for rural service in Charles, Frederick, Montgomery, and Prince George's Counties

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
Seniors and Individuals with Disabilities										
TIP ID: 6440	Agency ID:	Title: 5310 Operating and capital				Complete:		Total Cost:		
Facility:		Sect. 5310	50/0/50	649 e						649
From:		<hr/>								
To:		Sect. 5310	80/0/20	649 e						649
Total Funds:										649

Description: Will enhance mobility for seniors and individuals with disabilities by providing funds for programs to serve the special needs of transit-dependent populations beyond traditional public transportation services and ADA complementary paratransit services.

Small Urban Systems - Capital										
TIP ID: 3012	Agency ID: Part of 0217	Title: Small Urban Systems - Capital				Complete:		Total Cost:		
Facility:		Sect. 5307	80/10/10	3,288 e	3,288 e					6,576
From:		<hr/>								
To:		Sect. 5339	80/10/10	1,800 e	1,800 e					3,600
Total Funds:										10,176

Description: Provision of vehicles, equipment and other projects in support of public transportation in Charles and Frederick Counties. Federal assistance from 49 U.S.C. Section 5307. Project selection based on applications from local providers.

Small Urban Systems - Operating Assistance											
TIP ID: 2594	Agency ID: Part of 0217	Title: Small Urban Transit Systems - Operating Assistance				Complete:		Total Cost:			
Facility:		Sect. 5307	50/0/50	8,429 e	8,429 e					16,858	
From:		<hr/>									
To:											Total Funds: 16,858

Description: Operating assistance to small urban transit systems in Charles and Frederick Counties

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
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Frederick County

Secondary

Various Roads - County Capital Improvement Program

TIP ID: 5494	Agency ID:	Title: Study, Design, ROW, & Construction	Complete: 2020	Total Cost: \$26,688
Facility: Various Roads	Local	0/0/100	1,608 c	5,716 c
From: Various Roads			2,508 c	12,795 c
To:				Total Funds: 22,627
Description: Upgrade and improvements to Boyers Mill Road; Gas House Pike; Ijamsville Road; Old National Pike; Opossumtown Pike; Reels Mill Road; Reichs Ford Road; Yeagertown Rd; English Muffin Way & Shockley Drive/Spectrum Drive. Portions of Boyers Mill Road, and all of Ijamsville Road, & Old National Pike, will include bicycle accomodations.				

Bike/Ped

Bikeways & Trails Program - County Capital Improvement Program

TIP ID: 5495	Agency ID: F3	Title: Planning, Design & Construction	Complete: 2018	Total Cost: \$2,854
Facility: Varous Trails	Local	0/0/100	189 e	189
From:				
To:	State/Local	0/40/60	1,238 e	1,238
				Total Funds: 1,427
Description: Various Trails including the Ballenger Creek Corridor				

Bridge

Various Bridges - County Capital Improvement Program

TIP ID: 3173	Agency ID: F3	Title: Study, Design, ROW, Construction, Inspection & Training	Complete: 2020	Total Cost: \$9,090
Facility: Various Bridges	BR	35/0/65	450 c	450
From:				
To:	BR 2	94/0/6	2,447 c	2,447
	Local	0/0/100	348 c	1,854 c
				Total Funds: 5,099
Description: Rehabilitate, construct (replace) & inspect bridges or culverts at the following locations: Blacks Mill Rd; Lewistown Rd; Ball Road; Gas House Pike; Pete Wiles Rd.; Bretheren Church Rd; Hessong Bridge Rd; Reels Mill Rd; Dixon Rd; Hoovers Mill Rd; Hornets Nest Rd; deck replacements on Old Frederick Rd & Thurston Rds.; and covered bridge preservation projects Work may include bridge inspection training.				

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
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Montgomery County

Secondary

Burtonsville Access Road

TIP ID: 3498	Agency ID: P500500	Title: Burtonsville Access Road	Complete:	Total Cost:	\$6,890
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Facility: Burtonsville Access Road	Local	0/0/100		335 a	145 a	70 a			2,412
From: MD Spencerville Road					1,077 b	785 b			
To: School Access Road in Burtonsville									
Total Funds:									2,412

Description: This project provides for a new roadway between Spencerville Road (MD 198) and the School Access Road in Burtonsville. This roadway will consist of two 12' lanes, closed section, for a length of approximately 1,400 linear feet. The project also includes an eight-foot parking lane, curb and gutter, five-foot sidewalks, landscaping and street lighting. The new road will serve as a local access road north of and parallel to MD 198 and the entrance to Burtonsville Shopping Center on the east side of US 29. This new road will provide an important alternative access for existing businesses on the north side of MD 198 and to the Burtonsville Elementary School. The project will create a more unified and pedestrian-friendly downtown Burtonsville and improve circulation in this area.

Clarksburg Transportation Connections

TIP ID: 6020	Agency ID: P501315	Title: Clarksburg Transportation Connections	Complete:	Total Cost:	\$10,000
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Facility: Clarksburg Transportation Connections	Local	0/0/100		2,000 e	2,000 e	2,000 e	2,000 e		8,000
From: Snowden Farm Parkway/Little Seneca Park									
To: Ridge Road/									
Total Funds:									8,000

Description: This project provides for the County contribution to the developers design, partial land acquisition, and construction of the:

- 1) The 2400' long section of Snowden Farm Parkway from 300' north of Morning Star Drive to Ridge Road (MD 27)
- 2) The 3,400' section of Little Seneca Parkway from Snowden Farm Parkway to Frederick Road (MD 355)
- 3) The Intersection of Brink Road @ MD 355

Both parkways will include four-lane divided roadways, an 8' wide bikeway along the north/west sides, and a 5' sidewalk along the south/east sides within the 120' right-of-way. The Brink Road intersection will include improvements to the intersection as required by the Planning Board's opinion in the approval of the Clarksburg Village and Greenway Village Subdivisions. The project will also include street lighting, stormwater management, landscaping and reforestation. Appropriate auxiliary lanes and traffic signals will also be provided. A pedestrian impact analysis will be performed during design or is in progress. These roads will provide congestion relief to the Clarksburg area by providing direct tie-ins to MD 355 and MD 27, thus providing better access to I-270. These roads will provide congestion relief to the Clarksburg Area by providing direct tie-ins to MD 355 and MD 27 and thus better access to I-270.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
Goshen Road South									
TIP ID: 3049 Agency ID: P501107 Title: Goshen Road South			Complete:				Total Cost:		\$128,630
Facility: Goshen Road South	Local	0/0/100	127 a	126 a	2,579 a	2,290 a			57,900
From: South of Girard Street			5,016 b	619 b	6,429 b	28,158 c			
To: 1000 feet north of Warfield Road					8,520 e	4,036 e			
Total Funds:									57,900

Description: This project provides for the design of roadway improvements along Goshen Road from south of Girard Street to 1000 feet North of Warfield Road, a distance of approximately 3.5 miles. The improvements will widen Goshen Road from the existing 2-lane open section road to a 4-lane divided, closed section roadway using 12-foot inside lanes, 11-foot outside lanes, 18-foot median, and 5-foot on-road bike lanes. A 5-foot concrete sidewalk and an 8-foot bituminous hiker/biker path along the east and west side of the road, respectively, are also proposed along with storm drain improvements, street lighting and landscaping. The project also entails construction of approximately 6,000 linear feet of retaining wall. The project is needed to reduce existing and future congestion, improve vehicular and pedestrian safety. It will improve roadway network efficiency, provide for alternate modes of transportation, and will significantly improve pedestrian safety by constructing a sidewalk and a hiker/biker path. A pedestrian impact analysis has been completed for this project. Construction completion is scheduled for FY 22, and funded in the CIP in the "Beyond 6 Years" period.

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
Montrose Parkway East									
TIP ID: 3703 Agency ID: P500717 Title: Montrose Parkway East			Complete:				Total Cost:		\$119,890
Facility: Montrose Parkway East	Local	0/0/100	880 b	134 b	2,436 a	4,000 a			42,441
From: Eastern Limit of MD 355/Montrose Interchan				866 e	15,695 c	12,256 c			
To: Veirs Mill Road/Parkland Road Intersection					6,174 e				
Total Funds:									42,441

Description: This project provides for a new four-lane divided parkway as recommended in the North Bethesda / Garrett Park and Aspen Hill Master Plans. The roadway will be a closed section with 11-foot wide lanes, a 10-foot wide bikepath on the north side and a 5-foot wide sidewalk on the south side. The project includes a 350-foot bridge over Rock Creek. The roadway limits are between the eastern limit of the MD 355/Montrose interchange on the west, and the intersection of Veirs Mill Road and Parklawn Drive on the east. The project includes a bridge over CSX, a grade-separated interchange at Parklawn Drive, and a tie-in to Veirs Mill Road. This project will relieve traffic congestion on roadways in the area through increased network capacity. The project also provides improved safety for motorists, pedestrians, and bicyclists, as well as a greenway.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total	
Snouffer School Road North										
TIP ID: 3062 Agency ID: P501119		Title: Snouffer School Road North				Complete:		Total Cost:		\$13,482
Facility: Snouffer School Road	Local	0/0/100	300 a						3,300	
From: MD Woodfield Road			3,000 c							
To: Centerway Road										
Total Funds:									3,300	

Description: This project provides for the design, land acquisition and construction of 1,300 linear feet of roadway widening and resurfacing along Snouffer School Road between Centerway Road and Fessenden Lane and a new traffic signal at Alliston Hollow Way, as well as providing for grading for two northern lanes and resurfacing two southern lanes from Fessenden Lane to Alliston Hollow Way. The closed-section roadway typical section consists of two through lanes southbound and one through lane northbound separated by a raised median, an 8-foot shared use path on the northern side, and a 5-foot sidewalk on the southern side within a 100 foot right-of-way. The sidewalk and shared use path will extend 2,500 linear feet from Centerway Road to Alliston Hollow Way. The project will include a bridge for the northbound traffic lanes and replacement of the existing bridge for the southbound traffic lane over Cabin Branch, street lights, storm drainage, stormwater management, and landscaping and utility relocations. This project is needed to meet the existing and future traffic and pedestrian demands in the area. It will improve traffic flow by providing additional traffic lanes and encourage alternative means of mobility through proposed bicycle and pedestrian facilities. A pedestrian impact analysis has been completed for this project.

Snouffer School Road: Sweet Autumn Dr. to Centerway Road										
TIP ID: 6064 Agency ID: P501109		Title: Snouffer School Road: Sweet Autumn Dr. to Centerway Rd				Complete:		Total Cost:		\$23,710
Facility: Snouffer School Road	Local	0/0/100	944 a	393 a	142 a				16,141	
From: Sweet Autumn Drive			6,620 c	2,812 c	3,515 c					
To: Centerway Road					1,715 e					
Total Funds:									16,141	

Description: This project provides for the design, land acquisition, and construction of 5,850 linear feet of roadway widening along Snouffer School Road between Sweet Autumn Drive and Centerway Road. The roadway typical section consists of two through lanes in each direction, a continuous center turn lane and 5.5 foot bike lanes in each direction with an 8-foot shared use path on the north side and a 5-foot sidewalk on the south side within a 90' right-of-way. The project will require approximately 1.44 acres of land acquisition and will include street lights, storm drainage, stormwater management, and landscaping. The Maryland State Highway Administration (MSHA) MD 124 Phase II project will widen the approximate 900 linear foot segment on Snouffer School Road between Sweet Autumn Drive and Woodfield Road.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
Bike/Ped										
Bethesda CBD Streetscape										
TIP ID: 5943		Agency ID: P500102		Title: Bethesda CBD Streetscape			Complete:		Total Cost:	\$8,214
Facility: Bethesda CBD Streetscape		Local	0/0/100		400 a	497 a	490 a	262 a		7,301
From: Bethesda CBD						1,286 c	1,982 c	1,188 c		
To: Bethesda CBD								1,196 e		
Total Funds:										7,301

Description: This project provides for the design and construction of pedestrian improvements to complete unfinished streetscapes along approximately 5,425 feet of streets in the Bethesda CBD as identified in the Bethesda CBD Sector Plan. This includes:

Element 1
1,125 feet along Woodmont Avenue between Old Georgetown Road and Cheltenham Drive.

Element 2
3,550 feet along Wisconsin Avenue between Cheltenham Drive and the northern end of the CBD.

Element 3
750 feet along East-West Highway between Waverly Street and Pearl Street.

This project is intended to fill in the gaps between private development projects that have been constructed or are approved in the CBD. Design elements include the replacement and widening, where possible, of sidewalks, new vehicular and pedestrian lighting, street trees, street furniture, roadway signs. The county will coordinate with the utility company for installation of aesthetic covering over existing utility poles within the project area. This project addresses streetscape improvements and does not assume the undergrounding of utilities.

Bicycle Pedestrian Priority Area Improvements										
TIP ID: 6365		Agency ID: P501532		Title: Bicycle and Pedestrian Priority Area Improvements			Complete:		Total Cost:	\$5,375
Facility:		Local	0/0/100	150 a	150 a	150 a	1,000 e			4,000
From:				850 c	850 c	850 c				
To:										
Total Funds:										4,000

Description: The project provides for the design and construction of bicycle and pedestrian capital improvements in the 28 Bicycle-Pedestrian Priority Areas (BPPAs) identified in County master plans. Examples of such improvements include, but are not limited to: sidewalk, curb, and curb ramp reconstruction to meet ADA best practices, bulb-outs, cycle tracks, streetlighting, and relocation of utility poles. A study in FY15 will identify sub-projects in the following BPPAs: Glenmont, Grosvenor, Silver Spring Central Business District, Veirs Mill/Randolph Road, and Wheaton Central Business District. Design and construction of sub-projects will begin in FY16.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total	
Bikeway Program - Minor Projects											
TIP ID: 3066		Agency ID: P507596		Title: Annual Bikeway Program				Complete:		Total Cost:	\$4,897
Facility: Annual Bikeway Program		Local		0/0/100		169 a	11 a	11 a	11 a	2,120	
From:				11 b	169 b	169 b	169 b	169 b			
To:				350 c	350 c	350 c	350 c	350 c			

Total Funds: 2,120

Description: This program provides funds to plan, design and construct bikeways, trails, and directional route signs throughout Montgomery County. The purpose of the program is to develop the bikeway network specified by master plans, and those requested by the community to provide access to commuter rail, mass transit, major employment centers, recreational and educational facilities, and other major attractions. Bikeway types include shared-use paths, designated lanes, and signed shared routes along existing roads. there is a continuing and increasing need to develop a viable and effective bikeway and trail network throughout the County to increase bicyclist safety and mobility, provide an alternative to the use of automobiles, reduce traffic congestion, reduce air pollution, conserve energy, enhance quality of life, provide recreational opportunities, and encourage healthy life styles.

Capital Crescent Trail											
TIP ID: 6015		Agency ID: P501316		Title: Capital Crescent Trail				Complete:		Total Cost:	\$95,856
Facility: Capital Crescent Trail		Local		0/0/100		12,795 c	3,000 a	700 b	700 b	65,916	
From: Elm Street Park in Bethesda					15,111 c	16,805 c	16,805 c	16,805 c			
To: Silver Spring											

Total Funds: 65,916

Description: This project provides for the funding of the Capital Crescent trail, including the main trail from Elm Street Park in Bethesda to Silver Spring, as a largely 12-foot wide hard-surface hiker-biker path, connector paths at several locations, a new bridge over Connecticut Avenue, a new underpass beneath Jones Mill Road, supplemental landscaping and amenities, and lighting at trail junctions, underpasses and other critical locations. This trail will connect to the existing Capital Crescent Trail from Bethesda to Georgetown, the Metropolitan Branch Trail from Silver Spring to Union Station, and the Rock Creek Bike Trail from northern Montgomery County to Georgetown. This trail will serve pedestrians, bicyclists, joggers, and skaters, and will be compliant with the Americans with Disabilities Act of 1990 (ADA), the Bethesda CBD Sector Plan, and the Purple Line Functional Master Plan. Schedule: 1) The interim trail along the Georgetown Branch right-of-way between Bethesda and Lyttonsville will be upgraded to a permanent rail between FY 16 and FY 18, concurrent with the Purple Line construction schedule in that segment; 2) the new extension of the trail on the northeast side of the Metropolitan Branch Trail, between Lyttonsville and the Silver Spring Transit Center will be built in FY 19 and FY 20; 3) the Metropolitan Branch segment will be opened concurrently with the planned opening of the Purple Line in 2020. Final funding flows and costs subject to final design cost and completion of MOU between MTA and County.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
Falls Road East Side Hiker/Biker Path									
TIP ID: 3429	Agency ID: P500905	Title: Falls Road East Side Hiker/Biker Path	Complete:			Total Cost:			\$24,830
Facility: Falls Road Bikeway	Local	0/0/100	119 a	489 a	1,165 e				3,395
From: River Road				1,622 b					
To: Dunster Road						Total Funds:			3,395

Description: This project provides funds to develop final design plans and to acquire right-of-way, and construct approximately 4 miles of an 8-foot bituminous hiker/biker path along the east side of Falls Road from River Road to Dunster Road. The path will provide pedestrian and cyclist access to communities along the project corridor and will provide connection to existing pedestrian facilities to the north (Rockville), and to the south (Potomac).

The path is a missing link between existing bicycle facilities within the City of Rockville and the existing path along Falls Road south of River Road. The path provides much needed access to public transportation along Falls Road. The path will provide pedestrian access to the following destinations: bus stops along Falls Road, Bullis School, Ritchie Park Elementary School, Potomac Community Center, Potomac Library, Potomac Village Shopping Center, Potomac Promenade Shopping Center, Heritage Farm Park, Falls Road Golf Club, Falls Road Park, and a number of religious facilities along Falls Road.

Frederick Road Bike Path: Stringtown to Milestone Manor										
TIP ID: 6063	Agency ID: P501118	Title: Frederick Road Bike Path: Stringtown to Milestone Manor	Complete:			Total Cost:			\$7,193	
Facility: Frederick Road Bike Path	Local	0/0/100	178 a							2,670
From: Stringtown Road			1,895 c							
To: Milestone Manor Lane			597 e				Total Funds:			2,670

Description: This project provides for the design, land acquisition, and construction of a new 10-foot wide hiker-biker path along the west side of Frederick Road (MD 355) between Stringtown Road and the existing hiker-biker path near Milestone Manor Lane, a distance of approximately 2.5 miles. The entire project will replace about 0.9 miles of existing sidewalk segments in order to provide a continuous route serving two schools, two parks, and a church. The project includes streetlights and street trees.

MacArthur Boulevard Bikeway Improvements- Segment 2									
TIP ID: 5729	Agency ID: P500718	Title: MacArthur Boulevard Bikeway Improvements	Complete:			Total Cost:			\$17,300
Facility: MacArthur Boulevard	Local	0/0/100	506 a	754 a				1,460	
From: I Capital Beltway				200 b					
To: DC Line						Total Funds:			1,460

Description: Phase I of project provides bikeway improvements along 13,800' of MacArthur Boulevard from I-495 to Oberlin Avenue. Phase II extends the bikeway from Oberlin Ave to the DC Line. Phase to be completed in FY 15. Design for Phase 2 will start in FY19 with construction to start in FY21 and FY 22. To encourage alternative modes of travel and enhance pedestrian safety, the pavement will be widened to provide 2-3 foot shoulders to accommodate the needs of on-road commuters and experienced bicyclists. The existing shared-use path will be upgraded to current standards to promote usage and enhance safety for all users. This project will also provide for spot improvements to MacArthur Boulevard to enhance safety for pedestrians, cyclists and motorists. This project will improve safety and accessibility for pedestrians and bicyclists of all experience levels and enhances connectivity with other bikeways in the vicinity. A pedestrian impact analysis had been completed for this project.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source		Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
MD 355 Multimodal Crossing										
TIP ID: 5724 Agency ID: P501209		Title: MD 355 Multimodal Crossing Project				Complete:		Total Cost:		\$72,980
Facility:	MD MD 355 Multimodal Crossing	OEA	100/0/0	1,352 a	305 a					6,139
From:	MD Medical Center Metrorail Station/NIH			264 c	2,603 c					
To:	MD Walter Reed National Military Medical C			1,410 e	205 e					
State		0/100/0		4,806 c						4,806
Total Funds:										10,945

Description: This project provides for right-of-way negotiations, utility relocations, and the design and construction of a multimodal grade separated connection between the Walter Reed National Military Medical Center (WRNMMC) and the Medical Center Metro Rail station. The project consists of two major elements: (1) a shallow pedestrian and bicycle underpass below Rockville Pike, MD 355, just south of the South Wood Road/South Drive intersection. Access to the underpass will be provided by elevators, escalators and stairs; and (2) a bank of three high speed elevators, on the eastern side of MD 355 that will provide a direct connection from the WRNMMC to the existing Metro station mezzanine, about 120 feet below the elevation of MD 355. Canopies will cover the stairs and escalators. The project also includes extension of the southbound MD 355 left turn lane in the existing median to provide additional queuing for vehicles turning to the WRNMMC hospital entrance at South Wood Road; expansion of the curb radius at the northwestern corner of MD 355 / South Drive to improve bus access to the Metrorail station; and stormwater management. The scope of the work is included in the National Environmental Policy Act (NEPA) document prepared earlier by the County Department of Transportation (DOT) and approved by the Federal Highway Administration. A pedestrian impact analysis has been completed for this project

Metropolitan Branch Trail										
TIP ID: 5942 Agency ID: P501110		Title: Metropolitan Branch Trail				Complete:		Total Cost:		\$12,147
Facility:	Metropolitan Branch Trail	Local	0/0/100	100 a	361 a					6,087
From:	End of existing trail in Takoma Park			500 c	4,795 c					
To:	Silver Spring Transit Center				331 e					
Total Funds:										6,087

Description: This project provides for completion of the preliminary engineering and final engineering necessary to obtain CSX and WMATA approvals for the 0.62-mile segment of this trail in Montgomery County between the end of the existing trail in Takoma Park, and the Silver Spring Transit Center. The trail will be designed to be 8 feet to 10 feet in width. This project also includes the land acquisition, site improvements, utility relocations and construction of the project from the Silver Spring Transit Center to the east side of Georgia Avenue, including a new or expanded pedestrian bridge over Georgia Avenue, as well as the segment along Fenton Street, from King Street to the north end of the existing trail. The design will also include a grade-separated crossing of Burlington Avenue, the narrowing of Selim Road, the trail segment on King Street, and the construction of new retaining walls and reconstruction of existing retaining walls. A pedestrian impact analysis has been completed for this project. This trail is to be part of a larger system of trails to enable non-motorized travel around the Washington Region. The trail is to be an off-road facility serving pedestrians, bicyclists, joggers and skaters and will be Americans with Disabilities Act (ADA) accessible.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
Needwood Road Bikepath									
TIP ID: 6016 Agency ID: P501304 Title: Needwood Road Bikepath			Complete:				Total Cost:		\$4,200
Facility: Needwood Road Bikepath	Local	0/0/100	62 a						632
From: Deer Lake Road			280 c						
To: Muncaster Mill Road			290 e						

Total Funds: 632

Description: This project provides for the design and construction of a new 8-foot wide shared use path along the south side of Needwood Road, a distance of approximately 1.7 miles, between Deer Lake Road and Muncaster Mill Road (MD 115) in order to provide a safe and continuous pedestrian and bike connection to the Shady Grove Metro Station, Colonel Zadok Magruder High School, the Inter-County Connector (ICC) Shared Use Path, Rock Creek Trail, future North Branch Trail, and Rock Creek Regional Park (Lake Needwood). The project will also include the design and construction of the crossing of Muncaster Mill Road at Needwood Road intersection and a new 6-foot sidewalk along the east side of Muncaster Mill Road, a distance of approximately 450 feet, from Needwood Road to Colonel Zadok Magruder High School.

Pedestrian Safety Program									
TIP ID: 3642 Agency ID: P500333 Title: Pedestrian Safety Program			Complete:				Total Cost:		\$19,512
Facility: Pedestrian Safety Program	Local	0/0/100	146 a	146 a	100 a	100 a			6,622
From: Countywide			1,250 c	1,380 c	1,250 c	1,250 c			
To:			250 e	250 e	250 e	250 e			

Total Funds: 6,622

Description: This project provides for the review and analysis of existing physical structures and traffic controls in order to make modifications aimed at improving safety and the walking environment for pedestrians. This project provides for the construction of physical structures and/or installation of traffic control devices which include, but are not limited to: new crosswalks; pedestrian refuge islands; sidewalks; bus pull-off areas; fencing to channel pedestrians to safer crossing locations; relocating, adding, or eliminating bus stops; accessible pedestrian signals (countdown) or warning beacons; improving signage, etc. The improvements will be made in compliance with the requirements of the Americans with Disabilities Act (ADA). This project supports the construction of improvements at and around schools identified in the Safe Routes to School program. The project also includes performing pedestrian safety audits at High Incidence Areas, and implementing identified physical improvements, education, and outreach.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
Seven Locks Bikeway & Safety Improvements										
TIP ID: 6017	Agency ID: P501303	Title: Seven Locks Bikeway & Safety Improvements				Complete:		Total Cost:		\$27,944
Facility: Seven Locks Bikeway & Safety Improvemen	Local	0/0/100		1,723 a	1,334 a	20 a				6,993
From: Montrose Road					346 b	3,570 b				
To: Bradley Boulevard										
Total Funds:										6,993

Description: This project provides for pedestrian and bicycle improvements for dual bicycle facilities (on-road and off-road), and enhanced, continuous pedestrian facilities along Seven Locks Road from Montrose Road to Bradley Boulevard (3.3 miles), plus a bike path on Montrose Road between Seven Locks Road and the I-270 ramp, plus northbound and eastbound auxiliary through lanes with on-road bike lanes at the intersection of Seven Locks Road and Tuckerman Lane. This project is needed to address bicycle facility disconnects along Seven Locks Road. The roadway lacks adequate north-south, on road/off-road bicycle facilities necessary to provide continuity and connection between existing and future bike facilities. Continuous bicycle and pedestrian facilities are needed to allow safe access to residential, retail and commercial destinations, as well as existing religious and educational facilities. The project is broken down into three phases: Phase I provides dual bikeway and pedestrian facilities for the segment of Seven Locks Road from Montrose Road to Tuckerman Lane including the bike path on Montrose and the improvements to the Tuckerman Lane intersection. This project currently provides funding for Phase 1 improvements only. Phase 2 provides a dual bikeway and pedestrian facilities for the segment of Seven Locks Road from Tuckerman Lane to Democracy Boulevard. Phase III provides a dual bikeway and pedestrian facilities for the segment of Seven Locks Road from Democracy Boulevard to Bradley Boulevard.

Sidewalk & Infrastructure Revitalization										
TIP ID: 5975	Agency ID: P508182	Title: Sidewalk & Curb Replacement				Complete:		Total Cost:		\$56,059
Facility: Countywide	Local	0/0/100		1,005 a	1,005 a	1,005 a	1,005 a			26,800
From:				5,695 c	5,695 c	5,695 c	5,695 c			
To:										
Total Funds:										26,800

Description: This project provides for the removal and replacement of damaged or deteriorated sidewalks, curbs, and gutters in business districts and residential communities. MCDOT currently maintains about 1,034 miles of sidewalks and about 2,098 miles of curbs and gutters. This project includes: overlay of existing sidewalks with asphalt; base failure repair and new construction of curbs; and new sidewalks with handicapped ramps to fill in missing sections. A significant aspect of this project has been and will be to provide safe pedestrian access and ensure compliance with the Americans with Disabilities Act (ADA).

Sidewalk Program - Minor Projects										
TIP ID: 3067	Agency ID: P506747	Title: Sidewalk Program - Minor Projects				Complete:		Total Cost:		\$20,238
Facility: Sidewalk Program - Minor Projects	Local	0/0/100		520 a	520 a	520 a	520 a			9,656
From:				6 b	6 b	6 b	6 b			
To:				1,874 c	1,874 c	1,874 c	1,874 c			
				14 e	14 e	14 e	14 e			
Total Funds:										9,656

Description: This pedestrian access improvement program provides sidewalks on County-owned roads and some State-maintained roadways. Some funds from this project will go to support the Renew Montgomery program. The Montgomery County Department of Transportation maintains an official list of all outstanding sidewalk requests. Future projects are evaluated and selected from this list, which is continually updated with new requests. In addition, projects identified by the Citizens' Advisory Boards are placed on this list. One aspect of this project will focus on improving pedestrian walkability by creating a safer walking environment, utilizing selected engineering technologies and ensuring Americans with Disabilities Act (ADA) compliance. In addition to connecting existing sidewalks, these projects increase pedestrian safety and facilitate walking to: Metrorail stations, bus stops, shopping and medical centers, employment, recreational, and school sites. The average rate of requests for sidewalks has been 80 to 100 per year over the last two years. This program also complements and augments the bikeways that are included in road projects.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
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Transportation Improvements for Schools

TIP ID: 6364	Agency ID: P509036	Title: Transportation Improvements for Schools	Complete:	Total Cost: \$1,775
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Facility: Various	Local	0/0/100	209 e	209 e	209 e	209 e			836
From:									
To:	Total Funds: 836								

Description: This project provides for transportation improvements such as intersection modifications, sidewalks, traffic signals, streetlights etc. for safe pedestrian and vehicular curicluation identified in the Montgomery County Public Schools Capital Program. Schools include but are not limited too: Page Elementary, Sligo Middle School, Cloverly Elementary School and Glenhaven Elementary School. Specific Safe Routes to School studies and assessments are included separately in the MCDOT operating budget. 🚲

Bridge

Beach Drive Bridge M-PK-24001

TIP ID: 5912	Agency ID: P509132	Title: Beach Drive Bridge M-PK-24001	Complete:	Total Cost:
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Facility: Beach Drive Bridge	BR	80/0/20	200 a						200
From: Over Silver Creek									
To:	Total Funds: 200								

Description: Replace bridge on Beach Drive over Silver Creek, and reconstruct Roadway Approaches

Bridge Renovation

TIP ID: 5972	Agency ID: P509753	Title: Bridge Renovation	Complete:	Total Cost: \$8,211
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Facility: County-wide	Local	0/0/100	90 a	90 a	90 a	90 a			360
From:									
To:	State/Local	0/16/84	610 c	610 c	610 c	610 c			2,440
									Total Funds: 2,800

Description: This project provides for the renovation of County roadway and pedestrian bridges that have been identified as needing repair work beyond routine maintenance levels to assure continued safe functioning.

Brink Road Bridge M-0064001

TIP ID: 5913	Agency ID: P509132	Title: Brink Road Bridge M-0064001	Complete: 2019	Total Cost:
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Facility: Brink Road Bridge M-0064001	BR	80/0/20	200 a						200
From: Over Great Seneca Creek									
To:	Total Funds: 200								

Description: This project provides for the rehabilitation of the Brink Road Bridge, over Great Seneca Creek, as well as the reconstruction of the roadway approaches.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
Garrett Park Road Bridge M-PK-04001										
TIP ID: 5916		Agency ID: P509132		Title: Garrett Park Road Bridge M-PK-04001			Complete:		Total Cost:	
Facility: Garrett Park Road Bridge M-PK-04001		BR	80/0/20	200 a						200
From: Over Rock Creek										
To:										Total Funds: 200
Description: This project provides for the rehabilitation of Garrett Park Road Bridge M-PK-04001 over Rock Creek, and the reconstruction of roadway approaches										

Piney Meetinghouse Road Bridge M-0021001										
TIP ID: 5919		Agency ID: P501522		Title: Piney Meetinghouse Road Bridge M-0021001			Complete:		Total Cost: \$4,025	
Facility: Piney Meetinghouse Road Bridge M-002100		BR	70/0/30	258 a						1,996
From: Over Watts Branch				1,595 c						
To:				143 e						
										Total Funds: 1,996
Description: This project provides for the preliminary engineering for the rehabilitation or reconstruction of the bridge on Piney Meetinghouse Road over Watts Branch, and reconstruction roadway approaches.										

Enhancement										
Silver Spring Green Trail										
TIP ID: 3125		Agency ID: P509975		Title: Silver Spring Green Trail			Complete:		Total Cost: \$4,279	
Facility: Silver Spring Green Trail		Local	0/0/100	1,259 c						1,259
From: Fenton Street										
To: Sligo Creek Hiker-Biker Trail		State/Local	0/40/60	1,221 c						1,221
										Total Funds: 2,480
Description: This project provides for an urban trail along the selected Purple Line alignment along Wayne Avenue in Silver Spring. A Memorandum of Understanding will be established between the County and the Maryland Transit Administration (MTA) to incorporate the design and construction of the trail as a part of the design and construction of the Purple Line. The pedestrian and bicycle use along this trail supplements the County transportation program. The funding provided for the trail includes the design, property acquisition, and construction of the trail through the Silver Spring CBD, along the northern side of Wayne Avenue from Fenton Street to the Sligo Creek Hiker-Biker Trail. This trail is part of a transportation corridor and is not a recreation area of State or local significance. The trail will include an 8-10 foot wide bituminous shared use path, lighting, and landscaping. The trail will provide access to the Silver Spring Transit Station, via the Metropolitan Branch Trail, and the future Capital Crescent Trail. A pedestrian impact analysis has been completed for this project. Will be design and built at part of Purple Line project. Final cost and cash flows will be determined based on final design and MOU agreement between MTA and County.										

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
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ITS
Advanced Transportation Management System

TIP ID: 3065	Agency ID: P509399	Title: Advanced Transportation Management System	Complete:	Total Cost:	\$59,233
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Facility: Advanced Transportation Management Syst	Local	0/0/100	177 a	177 a	177 a	177 a			8,032
From:			1,831 e	1,831 e	1,831 e	1,831 e			
To:									
Total Funds:									8,032

Description: This project provides for Advanced Transportation Management Systems (ATMS) in the County. The ATMS deploys the infrastructure to conduct real-time management and operations of the County's transportation system. Twenty-two National Intelligent Transportation Architecture market packages have been identified for deployment of the ATMS. Each of these market packages is considered a subsystem of the ATMS program and may include several elements. These subsystems are identified in the ATMS Strategic Deployment Plan, dated February 2001, and revised July 2011. One aspect of this project will focus on improving pedestrian walkability by creating a safer walking environment, utilizing selected technologies and ensuring ADA compliance.

Traffic Signal System Modernization

TIP ID: 3648	Agency ID: P500704	Title: Traffic Signal System Modernization	Complete:	Total Cost:	\$40,849
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Facility: Traffic Signal System Modernization	Local	0/0/100	100 a	100 a	100 a	100 a			4,952
From:			1,138 e	1,138 e	1,138 e	1,138 e			
To:									
Total Funds:									4,952

Description: This project provides for the modernization of the county's aged traffic control system. Phase I consists of planning, requirements development, systems engineering, and testing. Phase II consists of acquisition of central system hardware and software, acquisition and implementation of control equipment and communications for intersections, as well as reconfiguration of the communications cable plant. Phase 1 is complete.

Other

East Gude Drive Roadway Improvements

TIP ID: 6018	Agency ID: P501309	Title: East Gude Drive Roadway Improvements	Complete:	Total Cost:	\$6,027
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Facility: East Gude Drive Roadway Improvements	Local	0/0/100	749 a	367 a	26 a	100 a			2,586
From: Crabbs Branch Way				50 b	179 b	1,115 c			
To: Southlawn Lane									
Total Funds:									2,586

Description: This project provides for the design, land acquisition, and construction of roadway improvements along East Gude Drive from Crabbs Branch Way to Southlawn Lane to increase roadway capacity, and to improve vehicular and pedestrian safety. The improvements will: (1) add a westbound lane (800 linear feet) from Calhoun Drive to Crabbs Branch Way; (2) extend the length of the eastbound taper east of Calhoun Drive (500 linear feet) to west of Incinerator Lane; (3) provide an east-to-northbound left turn lane (300 Feet) at Dover Road; (4) construct the missing section of sidewalk on the north side of East Gude Drive from west of Incinerator Lane to east of Calhoun Drive (550 linear feet); and (5) install 6 foot sidewalk connectors from each bus stop on the north side of East Gude Drive to the nearest intersection. A pedestrian impact analysis has been completed for this project. This project is needed to reduce existing and future congestion and improve pedestrian and vehicular safety. Planning and Design begin in FY 17; construction is to be completed by FY 21, and is funded in the "Beyond 6 Years" period", which begins on July 1, 2018.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
Intersection & Spot Improvements									
TIP ID: 5980 Agency ID: P507017 Title: Intersection & Spot Improvements			Complete:				Total Cost:		\$10,117
Facility: Intersection & Spot Improvements	Local	0/0/100	322 a	322 a	336 a	1,344 e			5,224
From: County-wide			10 b	10 b	10 b				
To: County-wide			700 c	772 c	798 c				
			200 e	200 e	200 e				
Total Funds:									5,224

Description: This project provides for the planning and reconstruction of various existing intersections in Montgomery County, and for an annual congestion study to identify locations where there is a need for congestion mitigation. The project includes the identification and implementation of corridor modifications and traffic calming treatments to enhance pedestrian safety. At these identified locations either construction begins immediately or detailed design plans are prepared and developed into future projects. A pedestrian impact analysis will be performed during design or is in progress.

Neighborhood Traffic Calming									
TIP ID: 5981 Agency ID: P509523 Title: Neighborhood Traffic Calming			Complete:				Total Cost:		\$2,801
Facility: Neighborhood Traffic Calming	Local	0/0/100	74 a	74 a	74 a	74 a			1,240
From: Residential Neighborhoods County-wide			236 e	236 e	236 e	236 e			
To:									
Total Funds:									1,240

Description: This project provides for the planning, design, and construction of physical traffic control features in residential neighborhoods. Traffic calming features such as traffic circles and islands, curb extensions, speed humps, physical and painted lane narrowing devices, etc., are used to maintain and improve the safety and livability of residential neighborhoods by addressing issues of aggressive driving and excessive speeds and volumes.

Seminary Road Intersection Improvement									
TIP ID: 6019 Agency ID: P501307 Title: Seminary Road Intersection Improvement			Complete:				Total Cost:		\$7,258
Facility: Seminary Road Intersection Improvement	Local	0/0/100	363 a	289 a	473 a	318 e			6,792
From: Brookeville Road Seminary Place Intersectio			170 b	377 b	2,691 c				
To: Linden Lane/Second Avenue Intersection				1,859 c	252 e				
Total Funds:									6,792

Description: This project provides for the design, land acquisition and construction of an approximate 40 foot segment of Seminary Road between the Brookeville Road/Seminary Place, and Linden Lane / Second Avenue intersections on a new alignment; reconstruction of 650 feet of Seminary Place from Seminary Road to 450 Feet east of Riley Place with a vertical alignment revision at Riley Place: increasing the Linden Lane curb lane widths along the 250 foot section between Brookeville Road and Second Avenue to provide two 15-foot shared use lanes to accommodate bicyclists; and reconstruction of the 350 foot segment Brookeville Road between Linen Lane and Seminary Road. Seminary Road will be a closed-section roadway with two 15-foot shared use lanes and a sidewalk along the northern side. Brookeville Road will be a closed-section roadway with one southbound 16-foot shared use lane, sidewalks, and a parking lane on the western side. The project includes street lights, landscaping and stormwater management. The project will simplify vehicle movements and improve traffic congestion by eliminating the Seminary Road "sweep" between Brookville Road and Second Avenue, and pedestrian and bicyclist safety will be improved. The proposed Seminary Place vertical alignment revision at Riley Place will increase intersection sight distance. A pedestrian impact analysis has been completed for this project.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
Streetlight Enhancements - CBD /Town Center									
TIP ID: 5982 Agency ID: P500512 Title: Streetlight Enhancements - CBD / Town Center			Complete:				Total Cost:		\$3,930
Facility: Streetlight Enhancements - CBD / Town Cen	Local	0/0/100	50 a	50 a	50 a	50 a			1,000
From: CBDs and Town Centers			200 e	200 e	200 e	200 e			
To:									
Total Funds:									1,000

Description: This project provides for the evaluation and enhancement of street lighting within and around the Central Business Districts (CBDs) and town centers where current lighting does not meet minimum Illuminating Engineering Society of North America (IESNA) standards. This project will fill in street lighting; standardize streetlight types; and replace sodium vapor lighting. This project is needed to provide visibility and safety improvements in areas where there is a high concentration of pedestrians, bicyclists, and vehicles.

Traffic Signals									
TIP ID: 6065 Agency ID: P507154 Title: Traffic Signals			Complete:				Total Cost:		\$40,889
Facility:	Local	0/0/100	725 a	725 a	725 a	725 a			19,340
From:			4,110 e	4,110 e	4,110 e	4,110 e			
To:									
Total Funds:									19,340

Description: This project provides for the design, construction and maintenance of vehicular and pedestrian traffic signals and signal systems including: new and existing signals; reconstruction / replacement of aged and obsolete signals and components; auxiliary signs; accessible pedestrian signals (APS); updates of the County's centrally-controlled computerized traffic signal system; communications and interconnect into the signal system. Increases in congestion levels and the number of accidents necessitate a continued investment in the traffic signal system to: increase intersection safety; accommodate changes in traffic patterns and roadway geometry; reduce intersection delays, energy consumption and air pollution; and provide coordinated movement on arterial routes through effective traffic management and control, utilizing modern traffic signal technologies.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total	
White Flint District East - Transportation											
TIP ID: 5985 Agency ID: P501204		Title: White Flint District East - Transportation					Complete:		Total Cost:		\$29,690
Facility: White Flint District East	Local	0/0/100		460 a	400 a					7,800	
From:				3,300 c	3,300 c						
To:				340 e							
Total Funds:										7,800	

Description: This project provides for completion of preliminary engineering to 35% plans for three new roads and one bridge in the White Flint District East side area as follows:

PROJECT 1

Executive Blvd. Extended East (B-7): MD 355 (Rockville Pike) to New Private Street
(Construct 1100' of 4-lane roadway)

PROJECT 2

Executive Blvd. Extended East (B-7): New Private Street to new Nebel Street Extended.
(Construct 600' of 4-lane roadway)

PROJECT 3

Nebel Street (B-5): Nicholson Lane South to combined property
(Construct 1,200' of 4-lane roadway)

PROJECT 4

Bridge across White Flint Metro Station on future MacGrath Boulevard between MD 355 and future Station Street.
(Construct 80' long 3-lane bridge)

The vision for the White Flint District is for a more urban core with a walkable street grid, sidewalks, bikeways, trails, paths, public use space, parks and recreational facilities, mixed-use development, and enhanced streetscape to improve the areas for pedestrian circulation and transit oriented development around the Metro station.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
White Flint District West: Transportation & Workaround									
TIP ID: 5986 Agency ID: P501116 & P50 Title: White Flint District West: Transportation & West Workaround			Complete:				Total Cost:		\$133,784
Facility: White Flint District West: Transportation & Local	0/0/100		2,057 a	2,313 a	2,944 a	2,570 a			59,515
From:			8,978 c	13,897 c	5,120 c	208 b			
To:			12,529 e	6,699 e	950 e	1,250 c			

Total Funds: 59,515

Description: This project provides for engineering, utility design, and land acquisition for one new road, one relocated road, improvements to three existing roads, and one new bikeway in the White Flint District area for Stage 1. The project also includes both design and future construction expenditures for the reconstruction of Rockville Pike and Hoya Street. Various improvements to the roads will include new traffic lanes, shared-use paths, undergrounding of overhead utility lines where required, other utility relocations and streetscaping. The new White Flint West Workaround project (CIP #501506) continues funding for several western workaround road projects. The following projects are funded through FY14 for final design:

1. Main Street/Market Street (B-10) – Old Georgetown Road (MD 187) to Woodglen Drive – new two-lane 1,200 foot roadway.
 2. Main Street/Market Street (LB-1) – Old Georgetown Road (MD 187) to Woodglen Drive – new 1,200 foot bikeway.
 3. Executive Boulevard Extended (B-15) – Marinelli Road to Old Georgetown Road (MD 187) – 900 feet of relocated four-lane roadway.
 4. Intersection of Hoya Street (formerly 'Old' Old Georgetown Road) (M-4A), Old Georgetown Road, and Executive Boulevard, including the approaches to Old Georgetown Road.
- The following projects are proposed for both design and construction in the FY19-20 and Beyond 6-Years periods:
5. Rockville Pike (MD 355) (M-6) – Flanders Avenue to Hubbard Drive – 6,300 feet of reconstructed 6-8 lane roadway.
 6. Hoya Street (M-4A) – Montrose Parkway to the intersection of Old Georgetown Road – 1,100 feet of reconstructed four-lane roadway.

This project also provides for analysis and studies necessary to implement the district. Design is underway on all road projects in the western workaround, with the exception of the Rockville Pike segment, and will conclude in FY15 (FY15 design is funded through White Flint West Workaround). Design of the Rockville Pike section will begin in FY19 and will conclude in FY21 in order to coordinate with the implementation of the Rapid Transit System (RTS) (CIP #501318). Some property acquisition may occur on this section in FY20. The current expenditure/funding schedule assumes that land needed for road construction will be dedicated by the developers.

White Flint Traffic Analysis and Mitigation

TIP ID: 5987 Agency ID: P501202 Title: White Flint Traffic Analysis and Mitigation			Complete:				Total Cost:		\$1,787
Facility: White Flint Traffic Analysis and Mitigation	Local	0/0/100	81 a	81 a	81 a	81 a			324
From: White Flint Sector Plan and Surrounding Area									
To:									

Total Funds: 324

Description: This project is programmed in direct response to requirements of the Approved White Flint Sector Plan. It is composed of three components with the overall goal of mitigating the traffic impacts on communities and major intersections outside of, and surrounding, the White Flint Sector Plan area that will occur as a result of the redevelopment densities approved under the Approved White Flint Sector Plan. These components include:

- A. Cut-through traffic monitoring and mitigation
 - B. Capacity improvements to address congested intersections
 - C. A study of strategies and implementation techniques to achieve the Sector Plan's modal split goals. The modal split study will identify specific infrastructure projects to create an improved transit, pedestrian, and biking infrastructure; and programs needed to accomplish the mode share goals; determine funding sources for these strategies; and determine the scope and cost of project components.
- Transit, pedestrian, bicycle access, safety studies, and TDM planning and implementation efforts are required to facilitate White Flint's transition from a highly automobile oriented environment to a more transit, pedestrian, and bicycle friendly environment. Once specific improvements are identified and concepts developed, detailed design and construction will be programmed in a stand alone PDF.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
Maintenance									
Bridge Preservation Program									
TIP ID: 5971 Agency ID: P500313 Title: Bridge Preservation Program			Complete:				Total Cost:		\$9,807
Facility: Bridge Preservation Program	Local	0/0/100	152 a	152 a	152 a	152 a			2,056
From: County-wide			2 b	2 b	2 b	2 b			
To: County-wide			360 c	360 c	360 c	360 c			

Total Funds: 2,056

Description: This project includes actions or strategies that prevent, delay or reduce deterioration of bridges or bridge elements, restore the function of existing bridges, keep bridges in good condition and extend their useful lives. Preservation actions may be preventive or condition driven.

Resurfacing: Primary/Arterial									
TIP ID: 5974 Agency ID: P508527 Title: Resurfacing: Primary / Arterial			Complete:				Total Cost:		\$59,518
Facility: County-wide	Local	0/0/100	915 a	915 a	915 a	915 a			24,400
From:			5,185 c	5,185 c	5,185 c	5,185 c			
To: County-wide									

Total Funds: 24,400

Description: Montgomery County maintains approximately 966 lane miles of primary and arterial roadways. This project provides for the systematic milling, repair, and bituminous concrete resurfacing of selected primary and arterial roads and revitalization of others. This project provides for a systematic full-service, and coordinated revitalization of the primary and arterial road infrastructure to ensure viability of the primary transportation network, and enhance safety and ease of use for all users. One aspect of this project will focus on improving pedestrian mobility by creating a safer walking environment, utilizing selected engineering technologies, and ensuring compliance with the Americans with Disabilities Act (ADA).

Transit Park and Ride Lot Renovations									
TIP ID: 5976 Agency ID: P500534 Title: Transit Park and Ride Lot Renovations			Complete:				Total Cost:		\$3,039
Facility: Transit Park and Ride Lot Renovations	Local	0/0/100	125 a	125 a					1,352
From:			718 c	384 c					
To:									

Total Funds: 1,352

Description: This project provides repairs and renovations to parking lots at transit Park and Ride lots, transit centers, and MARC Rail lots to allow them to continue functioning as transit facilities and comply with the Americans with Disabilities Act (ADA) requirements. In FY 08 and FY 09, an evaluation and assessment of all park and ride facilities, including ADA accessibility and pedestrian safety, was completed to provide scope and detailed cost estimates for the restoration and upgrades. The County operates 10 transit park and ride lots in major transportation corridors. Several County park and ride lots have had major failures, resulting from the age and use of the facilities. Some of the lots were constructed more than 20 years ago. Pavement and the entrances were not constructed to support heavy bus traffic. Additionally, the County is responsible for the maintenance of eight MARC Park and Ride lot facilities. The same ADA and lot failure issues exist with these lots.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
Transit									
ADA Compliance Transportation Access									
TIP ID: 3068 Agency ID: P509325 Title: ADA Compliance Transportation Access			Complete:				Total Cost:		\$12,068
Facility: ADA Compliance Transportation Access	Local	0/0/100	283 a	283 a	283 a	283 a			6,100
From:			1,214 c	1,214 c	1,214 c	1,214 c			
To:			28 e	28 e	28 e	28 e			

Total Funds: 6,100

Description: This project provides both curb ramps for sidewalks and new transportation accessibility construction in compliance with the Americans with Disabilities Act (ADA). This improvement program provides for planning, design and reconstruction of existing infrastructure Countywide to enable obstruction-free access to public facilities, public transportation, Central Business Districts (CBDs), health facilities, shopping centers, and recreation. Curb ramp installation at intersections along residential roads will be constructed based on population density. Funds are provide for the removal of barriers to wheelchair users such as signs, poles, and fences, and for intersection improvements, such as the reconstruction of median breaks and new curb ramps, crosswalks and, sidewalk connectors to bus stops. Curb ramps are needed to enable mobility for physically-impaired citizens; for the on-call transit program, "Accessible Ride On" and for County-owned and leased facilities. A portion of this project will support the Renew Montgomery Program. One aspect of this project will focus on improving pedestrian walkability by creating a safer walking environment, utilizing selected engineering technologies, and ensuring ADA compliance.

Bethesda Metro South Entrance									
TIP ID: 5560 Agency ID: P500929 Title: Bethesda Metro South Entrance			Complete:				Total Cost:		\$57,610
Facility: Bethesda Metro South Entrance	Local	0/0/100	12,624 c	12,262 c	10,162 c	6,437 c			41,485
From: Elm Street west of Wisconsin Avenue									
To:									

Total Funds: 41,485

Description: This project provides access from Elm Street west of Wisconsin Avenue to the southern end of the Bethesda Metrorail Station. The Metrorail Red Line runs below Wisconsin Avenue through Bethesda more than 120 feet below the surface, considerably deeper than the Purple Line right-of-way. The Bethesda Metrorail Station has one entrance, near East West Highway. The station was built with accommodations for a future southern entrance.

The Bethesda light rail transit (LRT) station would have platforms located just west of Wisconsin Avenue on the Georgetown Branch ROW. This platform allows a direct connection between LRT and Metrorail, making transfers as convenient as possible. Six station elevators would be located in the Elm Street ROW, which would require narrowing the street and extending the sidewalk.

The station would include a new south entrance to the Metrorail Station, including a new mezzanine above the Metrorail platform, similar to the existing mezzanine at the present station's north end. The mezzanine would use the existing knock-out panel in the arch of the station and the passageway that was partially excavated when the station was built, in anticipation of the future construction of a south entrance. Specific dollar amounts and flows will be based on final design estimate and MOU between MTA and County.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total	
Bus Stop Improvement Program											
TIP ID: 3063		Agency ID: P507658		Title: Bus Stop Improvement Program				Complete:		Total Cost:	\$6,387
Facility: Bus Stop Improvement Program		Local		0/0/100		151 a	155 a			1,324	
From:				345 b	357 b						
To:				155 c	161 c						

Total Funds: 1,324

Description: This project provides for the installation and improvement of capital amenities at bus stops in Montgomery County to make them safer, more accessible, and attractive to users and to improve pedestrian safety for County transit passengers. These enhancements can include items such as sidewalk connections, improved pedestrian access, pedestrian refuge islands and other crossing safety measures, area lighting, and paved passenger standing areas. In prior years, this project included funding for the installation and replacement of bus shelters and benches along Ride-On and County Metrobus routes; benches and shelters are now in the operating budget.

RideOn Bus Fleet											
TIP ID: 3072		Agency ID: P500821		Title: Ride On Bus Fleet				Complete:		Total Cost:	\$190,352
Facility: Ride On Bus Fleet		Local		0/0/100		6,873 e	15,247 e	19,591 e	15,260 e	56,971	
From: Countywide		Sect. 5307		100/0/0		1,600 e	1,600 e	1,600 e	1,600 e	6,400	
To:		State		0/100/0		400 e	400 e	400 e	400 e	1,600	

Total Funds: 64,971

Description: This project provides for the purchase of replacement buses in the Ride On fleet in accordance with the Division of Transit Services' bus replacement plan. The FY 15-20 plan calls for the following:

- FY 15: 26 full-size buses & 1 small diesel
- FY 16: 25 full-size buses
- FY 17: 15 full-size buses
- FY 18: 28 full-size buses
- FY 19: 9 full-size buses & 31 small diesel buses
- FY 20: 32 full-size buses

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
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Prince George's County

Primary

Contee Road Reconstruction

TIP ID: 5424	Agency ID:	Title: Contee Road Reconstruction	Complete: 2017	Total Cost: \$21,367
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Facility: Contee Road	Local	0/0/100	28 a						1,052
From: US 1 Baltimore Avenue			1,024 c						
To: MD 201 Kenilworth Avenue / Virginia Manor									
Total Funds:									1,052

Description: This project will include the reconstructin of Conttee Road from US 1 to the proposed Virginia Manor Road east (MD 201/ Kennilworth Avenue extended). The improvements will include the construction of a 4 lane divided roadway with median, bicycle lanes, sidewalks, street lights, traffic signals, curb and gutter and landscaping. The improvement is needed to serve planned development in the area and to improve access to the Laurel regional Hospital

TIP ID: 5425	Agency ID:	Title: Construct Contee Road from I-95 to Old Gunpowder Road	Complete: 2017	Total Cost: \$21,367
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Facility: Contee Road	Local	0/0/100	28 a						1,052
From: US 1 Baltimore Avenue			1,024 c						
To: MD 201 Extended/Virginia Manor Road/Cont									
Total Funds:									1,052


Description: Construction a new segment of Contee Road from west of the proposed I-95 interchange (SHA Project) to Old Gunpowder Road and reconstruct/re:ocate Contee Road from US 1 to Kenilworth Avenue extended west/existing Virginia Manor Road.

Secondary

Addison Road

TIP ID: 6367	Agency ID:	Title: Addison Road I	Complete: 2021	Total Cost: \$20,510
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Facility: Addison road	Local	0/0/100	300 a	64 a	1,000 c	5,000 c			7,364
From: Walker Mill Road			500 b	500 b					
To: MD 214 (Central Avenue)									
Total Funds:									7,364

Description: The project consists of reconstructing Addison Road from Walker Mill Road to MD 214. Initially four travel lanes with a median will be constructed Improvements will include roadway widening, the construction of crosswalks, sidewalks, landscaping, street lighting and a roadway median to improve the safety, function, capacity and appearance of the roadway. The cost shown does not reflect current prices and is based on over 10 year old project scope. Current preliminary engineering has estimated that the cost could go up to \$32 million. 

Auth Road

TIP ID: 5608	Agency ID:	Title: Auth Road II	Complete: 2021	Total Cost: \$16,100
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Facility: Auth Road	Local	0/0/100	100 a	200 a	200 a				500
From: Allentown Road									
To: Metro Access Road (Woods Way)									
Total Funds:									500

Description: Auth Road, Phase II consists of reconstructing Auth Road from henderson Way to Allentown Road. This project will resolve storm drainage problems and enhance pedestrian access and safety. Traffic signals, sidewalks, street lighting and landscaping will be installed.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
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Cherry Hill Road

TIP ID: 6369	Agency ID:		Title: Cherry Hill Road III	Complete: 2021						Total Cost: \$1,200
Facility: Cherry Hill Road	Local	0/0/100		300 a	400 a	500 a				1,200
From: Selman Road										
To: US 1										
Description:	Total Funds: 1,200									

Contee Road

TIP ID: 3114	Agency ID:		Title: Contee Road	Complete: 2017						Total Cost: \$25,467
Facility: Contee Road	Local	0/0/100		28 a						1,052
From: US 1										
To: MD 201 Extended/Virginia Manor Road/Cont										
Description:	Total Funds: 1,052									

Description: This project will include the reconstruction of Contee Road from US 1 to the proposed Virginia Manor Road eas (MD 201/Kenilworth Avenue extended). The improvements will include the construction of a 4 lane divided roadway with median, bicycle lanes, sidewalks, street lights, traffic signal, curb and gutter and landscaping. This improvement is necessary to serve planned development in the area and to improve access to the Laurel Regional Hospital.

Governor Bridge Road

TIP ID: 6509	Agency ID:		Title: Governor's Bridge Road Bridge Reconstruction	Complete: 2020						Total Cost: \$4,210
Facility: Governor's Bridge Road Bridge Reconstructi	BR	80/0/20		300 a	300 a	50 a				3,700
From: west of Patuxent River										
To: east of Patuxant river										
					50 b	1,500 c				
					1,500 c					
	Local	0/0/100			180 e	180 e				360
Description:	Total Funds: 4,060									

Description:

Livingston Road and Bridge

TIP ID: 5806	Agency ID:		Title: Bridge Replacement - Livingston Road	Complete: 2017						Total Cost: \$6,758
Facility: Bridge Replacement - Livingston Road	BR	80/0/20		1,200 c						1,200
From:										
To: Over Piscataway Creek										
Description:	Total Funds: 1,200									

Description: This project will replace the existing Livingston Road Bridge over Piscataway Creek, reconstruct the approach roadways and install sidewalks, street lights, and landscaping. Funding for the bridge replacement is anticipated to be 80% Federal Aid for design and construction. Right of way, wetland, mitigation, and necessary roadway rehabilitation beyond the bridge and approach limits are anticipated to be County funded. the bridge is currently load restricted to 58,000 pounds and was originally constructed in 1932.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
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Old Gunpowder Road

TIP ID: 5258 Agency ID:		Title: Old Gunpowder Road II	Complete: 2018 Total Cost: \$17,764					
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Facility: Old Gunpowder Road	Local	0/0/100	150 a	100 a					11,450
From: Powder Mill Road			1,400 b	5,000 c					
To: Greencastle Road			4,800 c						

Total Funds: 11,450

Description: This project is composed of two phases. Phase I consists of designing the ultimate, four lane divided urban collector section from Greencastle Road to Denim Road. A developer will construct two lanes of the four-lane divided section from 400 feet south of Greencastle Road to Briggs Chaney Road. Phase II consists of constructing the remaining unbuilt portion of the ultimate full collector section from Greencastle Road to Denim Road. Included is the construction of an additional bridge over I-95. "Developer" funding consists of potential contributions from area developments that have traffic impacts to the roadway. The improvements are needed to serve planned development in the area.

Suitland Road

TIP ID: 3157 Agency ID:		Title: Suitland Road	Complete: 2018 Total Cost: \$8,295					
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Facility: Suitland Road	Local	0/0/100	50 a	20 a					8,608
From: MD Allentown Road			80 b	43 b					
To: Suitland Parkway			4,208 c	4,207 c					

Total Funds: 8,608

Description: Redevelopment and reconstruction to provide a four-lane facility to support local development and to improve safety and area traffic flow.

Surratts Road

TIP ID: 3159 Agency ID:		Title: Surratts Road	Complete: 2017 Total Cost: \$6,018					
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Facility: Surratts Road	Local	0/0/100	700 b	2,000 c					2,700
From: Beverly Ave.									
To: Brandywine Road									

Total Funds: 2,700

Description: This project consists of upgrading Surratts Road to a collector-type roadway from the general vicinity of Beverly Avenue westward to Brandywine Road and improvements to Brandywine Road from Thrift Road to approximately 500 feet north of Surratts Road. A portion of Surratts Road will be relocated to improve the alignment of the intersection at Brandywine Road. Phase 2, which is not programmed at this time will provide improvements from Summit Creek Drive to Beverly Avenue. This project will be partially funded with developer contributions. This project will improve existing traffic service and provide sufficient capacity for projected area development. It will tie into developer improvements on Surratts Road, and will enable a continuous collector-type roadway to be in place from the vicinity of MD 5 to Brandywine Road


**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
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Traffic Congestion Improvemets

TIP ID: 6373	Agency ID:	Title: Traffic Congestion Improvemets	Complete: 2020				Total Cost: \$17,842	
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Facility: Various locations County-wide	Local	0/0/100	1,000 a	1,000 a	1,000 a	1,000 a			13,000
From:			1,500 c	2,500 c	2,500 c	2,500 c			
To:									
Total Funds:									13,000

Description: This project provides funding for roadway enhancements including turning lanes, improved approaches, traffic signals, signage at various intersections, bus stop pads, traffic calming devices, landscaping, pedestrian facilities and thermoplastic markings. This project will also provide for roadway improvements that are oriented toward enhancement of pedestrian safety, particularly along roadways or at intersections which have a history of crashes. Included in the work to be performed is the acquisition of right-of-way along the Leeland Road approach to be the Leeland Road/Moores Plains Boulevard intersection. FY 2015 "other" funding includes \$75k from developer contributions. 

Wheeler Road

TIP ID: 3166	Agency ID:	Title: Wheeler Road	Complete: 2018				Total Cost: \$4,170	
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Facility: Wheeler Road	Local	0/0/100	40 a	19 a					868
From: Owens Road			238 b	571 b					
To: St. Barnabas Road									
Total Funds:									868

Description: This project consists of providing geometric improvements at the intersection of Wheeler Road at Owens Road and Saint Barnabas Road. The project limits extend from Saint Brnabas Road to west of Owens Road. This modification will eliminate congestion caused by traffic at Owens Road.

Bike/Ped

Pedestrian Safety Improvements

TIP ID: 6370	Agency ID:	Title: Pedestrian Safety Improvements	Complete: 2020				Total Cost: \$26,250	
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Facility: Various locations County-wide	Local	0/0/100	800 a	800 a	800 a	400 a			23,000
From:			6,200 c	6,200 c	6,200 c	1,600 c			
To:									
Total Funds:									23,000

Description: This project will involve the creation of multiple projects to provide for roadway improvements that are oriented toward the enhancement of pedestrian safety, particularly along roadways or at intersections which have a history of crashes. Priority will be given to the correction of problems where there is a high incidence of pedestrian related crashes. This is a project intended for sub-projects with no right-of-way cost, and with a construction cost of \$750,000 each or less.

School access project

TIP ID: 6026	Agency ID:	Title: School Access Project	Complete:				Total Cost: \$1,900	
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Facility: Various locations County-wide	Local	0/0/100	100 c	100 c	100 c	100 c			400
From:									
To:									
Total Funds:									400

Description: This project provides funding for vehicular and pedestrian access improvements, in conjunction with the construction of new schools or renovations and additions to existing school buildings. This project provides sidewalks, crosswalks and other enhancements for students walking within 1 to 1.5 miles of their respective schools in accordance with the current Prince George's County Board of Education policy. In addition, Federal funding through the State of Maryland is for the Safe Routes to School (SRTS) program, to engage and encourage children to safely walk or bike to school including children with disabilities within two miles of school (K-8)

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
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Bridge

Bridge Rehabilitation, Federal Aid

TIP ID: 5401	Agency ID:	Title: Bridge Replacement, Federal Aid	Complete: 2020	Total Cost: \$2,050
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Facility: Bridge Replacement Federal Aid	BR	80/0/20	300 a	200 a					2,050
From: various locations			900 c	650 c					
To: various locations									

Total Funds: 2,050

Description: This project will rehabilitate deteriorated bridges exceeding 20 feet in length where the current deteriorated condition of the bridges does not warrant replacement. Federal Aid funding will be utilized for design and construction of the projects at an 80/20 federal/local ratio.

Enhancement

County Revitalization & Restoration 2

TIP ID: 6023	Agency ID:	Title: Coounty Revitalization & Restoration 2	Complete: 2020	Total Cost: \$5,300
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Facility: Various locations County-wide	Local	0/0/100	200 a	100 a	100 a	100 a			3,100
From:			800 c	600 c	600 c	600 c			
To: Various locations County-wide									

Total Funds: 3,100

Description: This project provides for infrastructure improvements and reconstruction in areas targeted for revitalization. Funding is provided for street improvements along major and minor roadways and at key interstections to improve their function, safety and appearance while also improving access and addressing environmental issues. Improvements will include the installation of traffic signals, intersections modifications, drainage structures, street lighting, landscaping, water quality and quantity measures, bicycle lanes, sidewalks, and other amenities necessary to improve or expand roadway infrastructure while enhancing the appearance of the community. This project will accommodate critical improvements associated with the County's revitalization and economic development efforts. In particular, the area inside the beltway between MD 214 and Southern Avenue is a priority.

Green Street Improvements

TIP ID: 6003	Agency ID:	Title: Green/Complete Street Improvements	Complete: 2020	Total Cost: \$28,355
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Facility: Various locations County-wide	Local	0/0/100	350 a	84 a					9,305
From:			250 b	2,321 c					
To:			6,300 c						

Total Funds: 9,305

Description: This project provides funding for a variety of street improvements along major roadways and at key intersections to improve their appearance, safety and functionality while addressing environmental issues. These improvements include but are not limited to roadway and intersection modifications, tree planting, bio retention facilities or stormwater management related water quality and quantity measures necessary to improve the environment, bicycle lane instalation and the construction of sidewalks and paths.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total	
Planning and site Acquisition 2											
TIP ID: 6371 Agency ID:		Title: Planning and site acquisition 2					Complete: 2020		Total Cost:		\$4,500
Facility: Various locations County-wide		Local	0/0/100	200 a	200 a	200 a	200 a			2,000	
From:				300 b	300 b	300 b	300 b				
To:										Total Funds: 2,000	

Description: This project provides funding for acquiring land for road rights-of-way, reforestation mitigation and wetland banking in developing areas of the County. The demolition of structures on acquired land is also included. It also provides funding for future project planning studies in order to verify need, determine scope and develop preliminary cost estimates.

Transportation Enhancements 2											
TIP ID: 6374 Agency ID:		Title: Transportation Enhancements 2					Complete: 2020		Total Cost:		\$7,366
Facility: Various locations County-wide		Local	0/0/100	100 a	100 a	100 a	100 a			3,760	
From:				1,120 c	1,120 c	1,120 c					
To:										Total Funds: 3,760	

Description: This project provides funding for nonstandard transportation improvements which are time sensitive. Work may entail, but will not be limited to requirements associated with the Americans with Disabilities Act, bus stop pads, traffic calming devices, landscaping, pedestrian facilities, thermoplastic pavement markings to provide maximum safety and nighttime visibility, spot safety road improvements and installation and repair of guardrail.

Other											
Developer Contribution Projects											
TIP ID: 6024 Agency ID:		Title: Developer Contribution Projects					Complete: 2015		Total Cost:		\$7,168
Facility: Various locations County-wide		PRIV	0/0/0	50 a					3,000		
From:				2,950 c							
To:										Total Funds: 3,000	

Description: This project provides funding for a variety of street improvements necessitated by new development. These improvements include, but are not limited to, traffic signals, intersection modifications, roadway widening, new construction, resurfacing, landscaping and contributions to a variety of State highway projects.

Maintenance											
ADA Right of Way Modifications											
TIP ID: 6012 Agency ID:		Title: Modification of ADA Rights of Way County-Wide					Complete: 2018		Total Cost:		
Facility: ADA Rights of Way Modifications County-Wi		Local	0/0/100	500 c	500 c					1,000	
From:											
To: Various Locations										Total Funds: 1,000	


Description: This Prroject will modify existing curb, gutters and sidewalks througout the County to bring the existing infrastructure into compliance with current Americans with Disabilities Act (ADA) design standards.

**SUBURBAN MARYLAND
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total	
Curb and Road Rehabilitation I & II										
TIP ID: 5609 Agency ID:		Title: Curb and Road rehabilitation II					Complete: 2020		Total Cost: \$73,000	
Facility: various locations	Local	0/0/100	2,000 a	2,000 a	2,000 a	1,000 a			42,000	
From:			10,000 c	8,000 c	8,000 c	9,000 c				
To:										
Total Funds:									42,000	

Description: This Project provides funding for rehabilitating County streets, curbs and sidewalks, various safety improvements, installing new sidewalks, construction of sidewalk ramps in accordance with the Americans with Disabilities Act, landscaping, traffic calming improvements, revitalization improvements and the installation of guardrails. The project also includes funding to urbanize and revitalize older subdivisions. An ongoing resurfacing and safety program provides increased vehicular and pedestrian safety remedies to address hazardous conditions and upgrade the appearance of neighborhoods.

Transit										
Bus Mass Transit/Metro Access 2										
TIP ID: 6375 Agency ID:		Title: Bus Mass Transit/ Metro Access 2					Complete: 2020		Total Cost: \$250	
Facility: Various locations County-wide	Local	0/0/100	50 c	50 c	50 c	50 c			200	
From:										
To:										
Total Funds:									200	

Description: Funds from this project may be used to purchase buses, construct related capital facilities for both bus and rail activities, roadway improvements and provide pedestrian and vehicular access improvement to metro stations and bus stops. 

Safety										
Street Lights and Traffic Signals 2										
TIP ID: 6372 Agency ID:		Title: Street Lights and Traffic Signals 2					Complete: 2020		Total Cost: \$18,750	
Facility: Various locations County-wide	Local	0/0/100	150 a	150 a	150 a	150 a			10,000	
From:			2,350 c	2,350 c	2,350 c	2,350 c				
To:										
Total Funds:									10,000	

Description: This project consists of installing traffic control signals and new street lights at various locations throughout the county. The program includes installing new signals, upgrading of existing signals, replacement of aging signals, the Energy Abatement program, installation of traffic surveillance cameras and communications equipment, and the upgrade of existing street lighting on County roadways. This project also provides some funding for the TRIP (traffic Response and Information Partnership) Center.