

APPENDIX A

FY 2019-2024 TIP PROJECT TABLES

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Introduction to Project Listings

The first and second years of the program contain a priority listing of those projects selected for funding. Each transportation improvement project must be included in the first or second year at key stages in its implementation (preliminary engineering, right-of-way acquisition, and construction) as a basis and condition for all federal funding assistance. This includes all FAST Act funding under Title I (Surface Transportation) and Title III (Transit) to state, local, and regional implementing agencies for highway, transit, bicycle and pedestrian capital improvements and transit operating assistance. Projects are grouped according to the agency or jurisdiction responsible for implementation.

A series of codes and notes are provided to indicate the funding sources and which phases of the projects are planned for implementation. Identification of the funding source is for programming purposes only and does not necessarily represent approval from the appropriate federal agency. Projects may appear in programs at various times: when applications for federal funds are made for preliminary engineering, right-of-way acquisition, construction, study or other. Codes for these phases are defined at the bottom of each page. Definitions of the funding source codes are defined in Appendix D of this document. A guide to reading the elements in each project listing is included in Figure 3.

Figure 1: How to Read TIP Records

Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 3423 Agency ID: AW011, AW024 Title: South Capitol Street Corridor									Total Cost: \$654,172
Facility: DEMO 80/20/0 103,819 c									
From: N St, MLK Ave, Suttland Pkwy, Memorial Bridge									
To: GARVEE 80/20/0 132,960 c 160,000 c 66,560 c 68,157 c 294,717 m									
Source Code: NHPP 80/20/0 24,800 c									
State: 0/100/0 104,740 c 41,000 c 83,866 c 124,866 n									
									Total Funds: 419,583

Description: Redevelopment of the South Capitol Street corridor is a part of the Anacostia Waterfront Initiative. Concept plans for the replacement of the Frederick Douglas Memorial Bridge are under development as part of the EIS currently being prepared for the corridor.

- a. New Frederick Douglass Memorial Bridge: Full replacement and realignment of the Frederick Douglass Memorial Bridge.
- b. Reconfigure the interchange at Suttland Parkway and I-295: The improvements include the removal of existing cloverleaf ramps at the interchange, replacing them with a diamond interchange. The diamond interchange will include two at-grade signalized intersections, one at the I-295 northbound ramps and the other at I-295 southbound ramps.
- c. Reconfigure the interchange at Martin Luther King, Jr. Ave. and Suttland Parkway: The existing MLK Jr. Bridge over Suttland Parkway will be replaced and a center ramp signalized interchange will be created to allow full movements to and from Suttland Parkway to MLK Jr. Ave.
- d. Boulevard streetscape treatments along South Capitol Street from between N Street and the SE/SW Freeway. In this segment, South Capitol Street will be rebuilt as a six-lane boulevard divided by a landscaped median.
- e. New Jersey Avenue Streetscape Improvements: The streetscape concept will restore a consistent design to the avenue between the SE-SW Freeway and M Street SE.

- a) TIP ID
- b) Agency project ID
- c) Project title
- d) Projected completion date
- e) Total cost of project (beyond 6 years of TIP)
- f) Project facility and limits
- g) Project description
- h) Source code (see Appendix X for details)
- i) Federal funding with state and/or local match
- j) Sum of funds from this source programmed prior to the first year of the TIP
- k) Amount of funds (in \$1,000s) from this source programmed in the Fiscal Year shown
- l) Phase for which this amount is programmed (key shown at bottom of each page)
- m) Sum of funds from this source programmed in the six years of the TIP
- n) Total funds programmed in the six fiscal years of the TIP for project.

All major projects in the TIP come from Visualize 2045. In addition, a number of projects appear in the TIP which are minor in nature and are shown in order to establish eligibility for federal funding assistance. Also, some non-federally funded projects are shown, which are either recommended in the Plan, or are considered regionally significant and important to identify for air quality analysis and informational purposes.

Grouping of Projects

Some projects in the program are considered to be too small in scale for individual identification in the TIP. These types of projects include signalization, traffic engineering, various safety, noise abatement, modernization projects, preventive maintenance and rehabilitation that do not change the use or scale of existing facilities, and certain small-scale highway and transit projects, do not trigger and air quality conformity analysis, and typically require a NEPA Categorical Exclusion or Programmatic Categorical Exclusion. These types of projects are grouped together under type of project, funding source, and programming agency. In February 1994, the TPB approved a set of criteria for grouping projects based upon those project types that are exempt in the EPA air quality conformity regulations.

Summary of New, Completed and Withdrawn Projects

DDOT

New

Bike/Ped

6643 K St and Water St NW Trail Connection

Maintenance

6637 4th St and P St SW Streetlight upgrade

Other

6639 Chestnut St from Western Ave to Oregon Ave NW Sidewalk

6640 Clean Air Partners

6641 Cleveland Park Watershed

6644 LED Signage Procurement and Installation

Primary

6642 I-66 and Rock Creek Parkway Ramp Study

6636 Bus Priority Plan and Program

Transit

6638 16th St NW Transit Priority

Complete

Maintenance

4900 27th Street Bridge NW

2905 Bridges over Watts Branch

Other

3552 Great Streets - Martin Luther King, Jr. Avenue, SE

3435 Great Streets - Georgia Ave

2952 Rehabilitation of Columbus Plaza

Primary

6116 Reconstruction of 16 Street, NW Bridge over Military Road

3508 Anacostia Riverwalk Trail

Secondary

6236 LP_Far Southeast Livability Plan

6234 LP_Far Northeast Livability Plan - 49th Street

Withdrawn

Bike/Ped

5376 Garfield-Canal Park Connector

Bridge

5800 Bridge and Tunnel Security

Freight

6424 Anti-Idling Campaign

ITS

5348 Traffic Control Center

Maintenance

6596 Theodore Roosevelt Memorial Bridge

6088 Citywide Pump Stations Rehab

4917 Rehabilitation of Anacostia Freeway Bridges at Anacostia Park

3238 22nd Street Bridge over K Street NW

3512 Electrical/Mechanical and Management of Tunnels Citywide

5440 Southwest Freeway (I295) over S. Capitol Street

Other

6241 Congestion Pricing and Traveler Information for Curbside Parking

6120 Congestion Pricing and Traveler Information for Curbside Parking

6022 Walter Reed - Main Drive, Etc.

3218 Local Sidewalk and Street Improvements Citywide

5796 Georgetown Transportation Study Implementation

3294 H Street Bridge over Railroad

5783 South Dakota Ave NE Safety Improvements from NY Ave to Riggs Road

5341 Local Reconstruction/Resurfacing/Upgrading Wards 1-8

5309 Rights of Way Program

5797 Mount Vernon Square District

Primary

5572 Reconstruction of Benning Road, NE., Anacostia to 42nd St

5803 Southwest Freeway over South Capitol St. Ramp G

6611 Audit and Compliance

6078 Constitution Avenue Realignment

6086 Bus Only Lane (Planning and Implementation)

Secondary

6235 LP_Far Northeast Livability Plan - Gateway into the District

6231 LP_Far Southeast Livability Implementation

6232 LP_Rock Creek West Livability Program

TERMs

5696 Clean Air Partners

Transit

6108 DDOT School Transit Program Support and School Transit Subsidy (Districtwide)

3233 Specialized Transportation Services for the Elderly and Persons with Disabilities.

3236 Farragut Station Pedestrian Tunnel

6107 DDOT School Subsidy Program Support

6112 M Street SE/SW Streetcar

6106 DC Circulator System Operations

MDOT/Maryland Transit Administration

Complete

Transit

6125 New Freedom Program

5970 Charles County VanGO Transfer Facility

5484 MARC Washington Mid-Day Storage

3464 Job Access and Reverse Commute

MDOT/State Highway Administration

New

Maintenance

- 6655 I-95/I-495 MD 414 Bridges Replacement
- 6651 I-95/I-495 MD 4 Bridges Replacement
- 6648 MD 77 Beaver Branch Bridge Replacement
- 6652 MD 210 Henson Creek Bridge Replacement
- 6653 MD 4 Race Track Road Bridges Replacement
- 6654 MD 717 Western Branch Bridge Replacement
- 6649 MD 26 Westbound Monocacy River Bridge Replacement
- 6646 MD 382 Charles Branch Bridge Replacement
- 6645 MD 225 Mattawoman Creek Bridge Replacement
- 6656 I-95/I-495 Good Luck Road Bridges Replacement
- 6660 MD 223 at Dower House Road Intersection Improvements
- 6647 Riverdale Road Anacostia River Branch Bridge Replacement

Primary

- 6635 US 301 at MD 5 Interchange Construction

Open to Traffic (Funding Still Programmed)

Interstate

- 3554 MD 5 at I-95/I-495 Phase 2 Highway Reconstruction

Maintenance

- 6150 MD 500 at Hyattsville Urban Reconstruction
- 6481 US 15 MD 26 Northbound Bridge Replacement
- 6538 MD 195 Sligo Creek and Sligo Creek Parkway Bridge Replacement
- 6439 MD 140 Flat Run Bridge Replacement
- 6517 MD 234 Gilbert Swamp Run Bridge Replacement

Secondary

- 5998 MD 355 at Cedar Lane and Jones Bridge Road Phases 1-2 BRAC Intersection Improvements

Complete

Interstate

- 3033 I-95 at Contee Road Interchange Construction
- 6391 I-95/I-495 Planning for Operations Study
- 6390 I-270 Planning for Operations Study (Montgomery County)
- 6388 I-270 Planning for Operations Study (Frederick County)
- 6387 I-70 Phases 2B, 2C, and 3 Highway Reconstruction
- 5419 I-70 Phase 2D Highway Reconstruction

Maintenance

- 6180 I-595/US 50 Eastbound Resurfacing
- 6181 MD 5 Resurfacing
- 6507 Complete Streets near Metro Stations - South Stonestreet Avenue
- 6182 US 1 Drainage Improvements
- 6032 MD 4 MD 223 Bridges Replacement
- 6508 Complete Streets near Metro Stations - Twinbrook Station
- 6430 I-495 Inner Loop Resurfacing
- 6410 I-70/US 40 Eastbound Resurfacing

5852 Motter Avenue/Opossumtown Pike US 15 Bridge Replacement

5838 Congressional Earmarks

6514 I-595/US 50 Westbound Resurfacing

6482 MD 75 Haines Branch Bridge Replacement

6033 MD 193 I-495 Bridge Rehabilitation

6385 MD 234 Allens Fresh Run Bridge Replacement

6183 MD 4 Urban Reconstruction

Other

6399 Bladensburg War of 1812 Archaeological/Historical Study

Primary

2804 MD 200 GARVEE Bond Repayment

6068 MD 200 - ICC from I-95 to US 1

3446 MD 200 - Intercounty Connector

6398 US 50 Feasibility Study

6386 US 301 Planning for Operations Study

Secondary

6077 MD 320 at Sligo Creek Parkway BRAC Improvements Mitigation

6392 MD 337 at MD 218 and I-95/I-495 Northbound Exit BRAC Intersection Improvements

5759 Joint Base Andrews BRAC Improvements

6072 MD 187 at West Cedar Lane/Oakmont Avenue BRAC Intersection Improvements

5988 MD 185 at Jones Bridge Road and Kensington Parkway Phases 1-2 BRAC Intersection Improvements

5992 MD 355 at Cedar Lane and Jones Bridge Road BRAC Advanced Utilities Improvements

Withdrawn

Primary

6148 MD 210 at Kerby Hill Road/Livingston Road Advanced Right-of-Way Acquisition

Secondary

6393 MD 337 at I-95/I495 BRAC Intersection Improvements

TERMs

5773 Commuter Connections Program - Guaranteed Ride Home Baltimore/Saint Mary's County

Montgomery County

Complete

Bridge

5919 Piney Meetinghouse Road Bridge M-0021001

Maintenance

5976 Transit Park and Ride Lot Renovations

Transit

6000 MD 586 Bus Rapid Transit Study

VDOT

New

Bridge

6665 CONNECTOR ROAD FROM SUNRISE VALLEY DR TO INNOVATION AVE

CMAQ

6631 WMATA REPLACEMENT BUSES

6630 BUS REPLACEMENT (OMNIRIDE EXPRESS COMMUTER BUSES)

Complete

Bridge

6554 RTE 28 - BRIDGE REPLACEMENT OVER BROAD RUN

CMAQ

6551 RTE 66 - CONSTRUCT COMMUTER LOT

6297 Fairfax County Parkway Extension

6558 FAIRFAX COUNTY PARKWAY - ROUTE 7 INTERCHANGE

Federal Lands Highway Program

6223 Engineering Studies for I-95 NB Ramps and Rolling Road Loop Ramp

6222 I 95 DAR Ramps into Ft. Belvoir

Interstate

6565 RTE 66 - ADDITIONAL LANE & HOV LANES

4794 I-66 - Reconstruction of Interchange at Rte 29 (Gainesville) Phase IV

6264 I-95 HOV/HOT Lanes Construction

6350 I-66 Widening to Route 15 (1 HOV + 1 SOV ea. direction)

6029 I-395/ Seminary Rd Reversible lane ramp

6272 BUILD 4-HOT LANES FROM SPRINGFIELD TO N OF DULLES TOLL RD

6566 I66 WIDEN TO 8-LANES FROM RT 234 BYPASS TO RT 29/GAINESVILLE

6224 RTE 95 - JONES POINT PARK IMPROVEMENTS - CONTRACT VA8

6265 I-95 HOV/HOT Lanes Debt Service

6562 Fred Ex - 1-95 Express Lanes Extension Exit 160 to Exit 133

5966 NB I-395 Auxiliary Lane (Duke St. to Seminary Road)

6567 I-95 - PE STUDIES (HOT LANES)

6552 I-95 Interchange Improvements Phase VIII Support

Other

6271 I-95/395 HOT Lanes - Arlington Lawsuit Support

Primary

6574 RTE 123 - WIDEN FROM 2 TO 4 LANES ON 6-LANE R/W

6314 Mulligan Rd Realign Rt. 235 and Widen Rt. 619

6569 FAIRFAX COUNTY PARKWAY - CONSTRUCT 4 LANES

6299 RT 7 - Widen to Six Lanes

6301 Route 7 - Widen to Six Lanes

6305 Arlington Blvd, RT 50 10th St. and Courthouse Rd. Interchanges

6308 ARRA C Arlington Blvd. RT 50 , 10th and Courthouse Interchanges

Secondary

6359 Pacific Blvd construction

5392 Minnieville Road Construct 4-Lane Divided Roadway

6560 Possum Point Road Drainage Improvements

5890 Purcell Rd Realignment & added capacity

5924 Rolling Road Loop Road

Transit

6573 EISENHOWER AVENUE WIDENING AND REMOVE TRAFFIC CIRCLE

6292 Engineering Proving Grounds - Park-and-Ride Lot

Withdrawn

Interstate

6348 I-66 PPTA Study

6568 I-66 Tier II

Primary

6311 Dulles Air Cargo, Pass Metro Access HWY (DACPMA) - PE ONLY

6270 Rte 28 Widening

Transit

6456 West End Transitway

THE DISTRICT OF COLUMBIA

**DISTRICT OF COLUMBIA
ALPHABETICAL PROJECT INDEX**

11th Street Bridges SE, Replace and Reconfigure	TIP ID:	3193	Agency ID: CD056A
16th St Bridge over Piney Branch Rd NW Rehabilitation	TIP ID:	6418	Agency ID:
16th St NW Transit Priority	TIP ID:	6638	Agency ID:
4th St and P St SW Streetlight upgrade	TIP ID:	6637	Agency ID:
5303/5304 FTA Program	TIP ID:	6102	Agency ID:
Approach Bridges to 14th Street Bridge	TIP ID:	5342	Agency ID: CD046A
Aspen Street NW Improvements	TIP ID:	6597	Agency ID:
Asset Preservation of Tunnels in the District of Columbia	TIP ID:	2699	Agency ID: CD018A, CD019A
Benning Road Extension	TIP ID:	5754	Agency ID: CM080A
Bicycle and Pedestrian Management Program	TIP ID:	3232	Agency ID: CM064A, ZUT06A,
Blair / Cedar / 4th Street NW	TIP ID:	5315	Agency ID: MRR09A
Bloomington/LeDroit Park Medium Term Flood Mitigation Project	TIP ID:	6190	Agency ID: FLD01
Bridge Design Consultant Services	TIP ID:	3202	Agency ID: CD032C, MNT05A
Bridge management Project/AASHTOWARE	TIP ID:	5433	Agency ID: PM094A, CD053A
Bus Priority Plan and Program	TIP ID:	6636	Agency ID:
C Street NE Implementation	TIP ID:	5792	Agency ID: ED0C2A
Chestnut St from Western Ave to Oregon Ave NW Sidewalk	TIP ID:	6639	Agency ID:
Citywide Consultant Bridge Inspection	TIP ID:	3243	Agency ID: CD062A
Citywide streetlight construction	TIP ID:	5439	Agency ID: AD017A
Citywide Streetlights P3	TIP ID:	6625	Agency ID:
Clean Air Partners	TIP ID:	6640	Agency ID:
Cleveland Park Streetscape and Drainage Improvement	TIP ID:	6193	Agency ID: PM0D7A
Cleveland Park Watershed	TIP ID:	6641	Agency ID:
Commuter Connections Program	TIP ID:	3219	Agency ID: ZU022A
Condition Assessment	TIP ID:	5323	Agency ID: MNT06A, SR091A
Connecticut Ave NW Multimodal Study	TIP ID:	6491	Agency ID:
Construction of Fiber Communication Network on Freeways	TIP ID:	6503	Agency ID:
DC Circulator New Buses for Replacement and Expansion	TIP ID:	6105	Agency ID:
District TDM (goDCgo)	TIP ID:	2945	Agency ID: CM074A
East Capitol St Bridge over Anacostia River	TIP ID:	5804	Agency ID: MRR04A
East Capitol Street Corridor Mobility & Safety Plan	TIP ID:	6315	Agency ID: SR086A
Emergency Transportation Project	TIP ID:	5298	Agency ID: AF067A
Environmental Management System	TIP ID:	5322	Agency ID: CM085A
Federal Aid Pavement Restoration	TIP ID:	3215	Agency ID: SR092A
Florida Ave NE Streetscape	TIP ID:	6195	Agency ID: ZU033A
Garvee Bond Debt Service - 11th Street Bridge SE Replacement	TIP ID:	5554	Agency ID: HTF02A

**DISTRICT OF COLUMBIA
ALPHABETICAL PROJECT INDEX**

Garvee Bond Debt Service - South Capitol St	TIP ID: 6038	Agency ID:
Great Streets - Pennsylvania Ave, SE	TIP ID: 2743	Agency ID: ED0B1A
Guiderails and Attenuators	TIP ID: 5316	Agency ID: CD062A
H Street Bridge over Railroad	TIP ID: 6039	Agency ID: CD054A
Highway Structures Preventive Maintenance and Repairs	TIP ID: 2927	Agency ID: CD036A, CD042A,
I-395 HOV Bridge over Potomac River	TIP ID: 6187	Agency ID: MRR27A
I-66 and Rock Creek Parkway Ramp Study	TIP ID: 6642	Agency ID:
I-695 Bridges From I-395 to I-295/DC-295	TIP ID: 6613	Agency ID:
K St and Water St NW Trail Connection	TIP ID: 6643	Agency ID:
Kenilworth Ave NE Pedestrian Bridges Replacement	TIP ID: 5337	Agency ID: CD051A
Kenilworth Terrace Bridge over Watts Branch	TIP ID: 6427	Agency ID:
Kennedy St from 16th St to Georgia Ave NW Reconstruction	TIP ID: 6501	Agency ID:
Key Bridge NW over Potomac	TIP ID: 2768	Agency ID: CD014A
LED Signage Procurement and Installation	TIP ID: 6644	Agency ID:
Metropolitan Branch Trail	TIP ID: 3228	Agency ID: AF073A, ZU024A
Monroe St NE Bridge over CSX & WMATA	TIP ID: 6197	Agency ID: MRR26A
National Recreational Trails	TIP ID: 2796	Agency ID: AF066A
Neighborhood Streetscape Improvements	TIP ID: 5308	Agency ID: SR070A, ED070A,
New York Ave NE Bridge over Anacostia River	TIP ID: 6657	Agency ID:
Normanstone/Fulton Street Culvert & LID	TIP ID: 6194	Agency ID: Temp1315
Overhead Freeway Sign Maintenance	TIP ID: 6610	Agency ID: CFPID170319
Pavement Restoration - NHPP Streets	TIP ID: 5339	Agency ID: SR037A
Pedestrian Bridge over Arizona Ave NW and Connecting Trail Rehabilitati	TIP ID: 6516	Agency ID:
Pennsylvania Ave from 17th St to Washington Cir NW Streetscape	TIP ID: 6595	Agency ID:
Pennsylvania Ave SE Streetlight Upgrade	TIP ID: 6614	Agency ID:
Pennsylvania Ave/Potomac Circle	TIP ID: 5957	Agency ID: AW0, EW002C
Planning and Management Systems	TIP ID: 3213	Agency ID: CAL16C, PM304C,
Professional Capacity-Building Strategy	TIP ID: 3355	Agency ID: PM086A
Program Manager AWI	TIP ID: 5802	Agency ID: AW035A
Rehabilitation of Eastern Avenue NE from New Hampshire Ave, NE to Whi	TIP ID: 6419	Agency ID:
Roadway Reconstruction Citywide	TIP ID: 2965	Agency ID: SR060A MRR11A,
Roadway Reconstruction in Ward II	TIP ID: 6493	Agency ID:
S St from 4th St to 7th St NW Revitalization	TIP ID: 6658	Agency ID:
Safe Routes to School	TIP ID: 2888	Agency ID: CM086A
Safety Improvements Citywide	TIP ID: 3212	Agency ID: CB0, CIO
Shephards Branch Trail	TIP ID: 6500	Agency ID:

**DISTRICT OF COLUMBIA
ALPHABETICAL PROJECT INDEX**

Size and Weight Enforcement Program	TIP ID: 2633	Agency ID: CI029A, CI053A
South Capitol Street Corridor	TIP ID: 3423	Agency ID: AW011, AW024A,
South Capitol Street Trail	TIP ID: 6114	Agency ID: ZUT10C
Southern Ave SE Improvements	TIP ID: 5353	Agency ID: ED028A
Stormwater-Hydraulic Structures and Flood Management Works	TIP ID: 3242	Agency ID: CA303C, MNT02
Streetlight Asset Management	TIP ID: 5385	Agency ID: AD020A
Subsurface Investigation & AM Program Support	TIP ID: 6502	Agency ID:
Tenleytown Multi-Modal Access	TIP ID: 6598	Agency ID:
Traffic Operations Improvements Citywide	TIP ID: 3216	Agency ID: OSS07A, CI060A,
Traffic Signal LED Replacement	TIP ID: 6115	Agency ID: CI040A
Traffic Signal Maintenance	TIP ID: 5347	Agency ID: CI046A, CI047A, C
Transportation Alternatives Program	TIP ID: 3210	Agency ID: AF049A
Union Station to Georgetown Premium Transit; K Street Transit	TIP ID: 5755	Agency ID: STC12A
Urban Forestry Program	TIP ID: 5313	Agency ID: CG311, CG312, C

Amended and Modified as of
2/4/2019

**DISTRICT OF COLUMBIA
FY 2019-2024 TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
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DDOT

TIP ID: 2633	Agency ID: CI029A, CI053A	Title: Size and Weight Enforcement Program	Complete:	Total Cost:	\$11,280
Facility: Citywide	HSIP	90/10/0	2,000 c	2,000 c	2,000
From:	NHPP	83/17/0	210 c	180 c	185 c
To:	STBG	80/20/0	1,350 a		185 c
			6,130 c		190 c
			150 e		190 c
	STBG 9	83/17/0		183 a	195 c
Total Funds:					3,308

Description: This project provides trained personnel to enforce size and weight regulations, as well as increase the number of portable scales at Weigh in Motion sites on and off the Federal-aid System. This project will facilitate reducing weight violations and preventing premature deterioration of pavements and structures in the District, and in turn provide a safe driving environment.

- a. Weigh in Motion Maintenance
- b. Weigh in Motion Upgrade and Repair

Modification: Funding Increase and subproject change **Approved on: 11/26/2018**
 Increase STBG funding in 2019 for PE by \$183k; Remove subproject "Truck Size and Weight Program" and replace with "Weigh in Motion Upgrade and Repair."

TIP ID: 2699	Agency ID: CD018A, CD019	Title: Asset Preservation of Tunnels in the District of Columbia	Complete: 2024	Total Cost:	\$66,930
Facility: Citywide Asset Management of Tunnel	NHPP	90/10/0	1,000 a	175 a	175 a
From:			12,000 c	10,450 c	10,755 c
To:				18,450 c	5,400 c
					8,000 c
Total Funds:					66,930

Description: This initiative provides technical support and supportive services for this performance based contract that enables sustained preventive maintenance, rehabilitation and preservation of all tunnel assets in DDOT inventory system. This principal objectives relative to public safety are the maintenance of automated or natural ventilation system for the explosion of harmful carbon monoxide gas from all tunnels and the provision of an adequate lighting system within each tunnel.

Amended and Modified as of
2/4/2019

**DISTRICT OF COLUMBIA
FY 2019-2024 TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 2743 Agency ID: ED0B1A		Title: Great Streets - Pennsylvania Ave, SE					Complete: 2021		Total Cost: \$21,118	
Facility: Pennsylvania Ave. SE		NHPP	83/17/0	238 a	15,000 c					15,000
From: Sousa Bridge										
To: 27th St. SE (west of)		NHPP 1	80/20/0	6,000 a						

Total Funds: 15,000

Description: Conduct traffic assessments and provide public review and comment of proposed streetscape design elements. Conduct environmental assessments. Prepare concept designs, design plans and specifications; construct improvements to sidewalks, curbs, gutters, streets, and tree boxes; replace street trees; and install other streetscape elements. Construct facilities to improve reliability and safety of transit services, including transit lanes; provide bicycle lanes; and improve pedestrian circulation. Phase II will include work on Pennsylvania Ave. SE from the Sousa Bridge to west of 27th St. SE.
A. Pennsylvania Ave and Minnesota Ave SE Intersection Improvements: Project is to improve the roadway pavement, curbs, gutter, and tree boxes, including work to streetscape elements. Project incorporates facilities to improve safety of transit services, transit lanes, provide bicycle lanes and improve pedestrian circulation within the project limits.


TIP ID: 2768 Agency ID: CD014A		Title: Key Bridge NW over Potomac					Complete: 2022		Total Cost: \$28,390	
Facility: Key Bridge over Potomac River		NHPP	83/17/0	7,390 c	5,500 c					5,500
From:										
To:		NHPP 1	80/20/0	21,000 c						

Total Funds: 5,500

Description: Rehabilitation of the Key Bridge superstructure and substructure including approach roadway improvements, bike/ped safety improvements, streetlights, and aesthetic lighting.

TIP ID: 2796 Agency ID: AF066A		Title: National Recreational Trails					Complete: 2024		Total Cost: \$2,220	
Facility: Citywide		NRT	83/17/0	720 a	300 a	300 a	300 a	300 a	300 a	1,500
From:										
To:										

Total Funds: 1,500

Description: Programs associated with the Recreational Trails Program – a program established to develop and maintain recreational trails and trail-related facilities. Mostly small projects; often grants to local groups. 

Through the D.C. Recreational Trails Program Advisory Committee, the Department of Transportation will provide or grant funding to non-profits to provide the following services for District trails: maintain and restore existing trails; develop and rehabilitate trailside and trailhead facilities and trail linkages; purchase and lease trail construction and maintenance equipment; construct new trails; acquire easements or property for trails; assess trail conditions for accessibility and maintenance; develop and disseminate publications and operate educational programs to promote safety and environmental protection related to trails (including supporting non-law enforcement trail safety and trail use monitoring patrol programs, and providing trail-related training).

- a. Friends of Kenilworth Aquatic Gardens
- b. Student Conservation Association

Modification: Revise Subproject List

Approved on: 2/4/2019

Revise description to list grant recipients as subprojects.

Amended and Modified as of
2/4/2019

**DISTRICT OF COLUMBIA
FY 2019-2024 TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

	Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total	
TIP ID: 2888	Agency ID: CM086A	Title: Safe Routes to School					Complete:		Total Cost:		\$11,355
Facility: Safe Routes to School	State	0/100/0		300 c						300	
From:											
To:	TAP	80/20/0		651 c	2,250 c	1,151 c	1,151 c	1,151 c		6,354	
Total Funds:										6,654	

Description: To enable and encourage children, including those with disabilities, to walk and bicycle to school, to make walking and bicycling to school safe and more appealing, and to facilitate the planning, development and implementation of projects that will improve safety, and reduce traffic, fuel consumption, and air pollution in the vicinity of schools.

Increase walking and bicycling to school and associated safety through planning, engineering, education, and enforcement. Subprojects:

- a. Bicycle and Pedestrian Education
- b. Sidewalk Construction
- c. School Area Planning Assistance

Modification: Increase funding **Approved on: 11/2/2018**
Increase TAP funding for construction by \$401,000 in 2019.

TIP ID: 2927	Agency ID: CD036A, CD042	Title: Highway Structures Preventive Maintenance and Repairs					Complete: 2024		Total Cost:		\$49,635
Facility:	NHPP	83/17/0		9,975 c		5,100 c	5,345 c			20,420	
From:											
To:	STBG	83/17/0		2,940 c		1,475 c	1,500 a	3,250 c		10,685	
								1,520 c			
Total Funds:										31,105	

Description: This project provides a two-year base contract with two option years for the performance of preventive maintenance activities and initiating emergency repairs on highway structures on an as needed basis. The work includes concrete deck repair, replacement of expansion joints, repair or replacement of beams, girders and other structural steel, maintenance painting, application of low slump concrete overlays on bridge decks, concrete repair, underpinning and shoring of deficient bridge elements, jacking beams and restoring bearings, repair or replacement of bridge railings, guiderails and fencing, cleaning bridge scuppers and drain pipes, graffiti removal and other miscellaneous repair work on various highway structures.

Amended and Modified as of
2/4/2019

**DISTRICT OF COLUMBIA
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CAPITAL COSTS (in \$1,000)**

	Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total	
TIP ID: 2945		Agency ID: CM074A		Title: District TDM (goDCgo)				Complete: 2024		Total Cost: \$25,556	
Facility: citywide	CMAQ	80/20/0	8,800 a	2,956 a	2,600 a	2,700 a	2,800 a	2,900 a	3,000 a	16,956	
From:										Total Funds: 16,956	
To:											

Description: Identify neighborhoods affected by traffic congestion impacts; determine the causes of traffic congestion; and identify alternative construction projects, traffic management strategies, and other transportation improvement strategies to reduce traffic congestion. Also, environmental studies will assess how the proposed construction projects or traffic management studies will impact air and water quality in the District of Columbia. Outreach to residents, employees and visitors about alternative transportation options to special events and attractions. Provide a multi-modal transportation information resource website (www.goDCgo.com). Create a commuter store that sells fare media and provides trip planning assistance. The project includes an annual District program and annual allocations.

- a. District TDM/goDCgo: Encourage sustainable travel by District residents, workers and visitors primarily through goDCgo brand. Includes employer outreach, bikeshare and circulator marketing, special events.
- b. Capital Bikeshare Marketing and Outreach

TIP ID: 2965		Agency ID: SR060A MRR11		Title: Roadway Reconstruction Citywide				Complete:		Total Cost: \$73,053	
Facility: CITYWIDE	STBG	83/17/0		100 a	3,072 a			20,341 c	42,784 c	72,997	
From:											
To:											
										Total Funds: 72,997	

Description: This project reconstructs streets and highways on the Federal-aid highway system and other streets with poor pavement condition, drainage, or other reconstruction needs. Total roadway reconstruction is required when the highway pavement has reached the end of its useful life and can no longer be resurfaced. Streets must be reconstructed once the base deteriorates or the crown becomes too high, creating an undesirable slope from the center line to each curb. The scope of work includes the removal of deteriorated base and pavement, repairing the sub-base, replacing or reconstructing pavement and base within the roadway area and resetting or reconstructing curbs and sidewalks. Additional work includes the installation of wheelchair ramps, bicycle facilities, safety features and landscaping improvements. Projects Include:

- a. Broad Branch Rd NW Rehabilitation
- b. Canal Road from Chain Bridge to M St NW
- c. Florida Ave and 9th St from T St to Barry PI NW Reconstruction
- d. New Jersey Ave from Mass Ave to N St. NW
- e. Oregon Ave Military Rd to Western Ave NW

Modification: Funding Increase **Approved on: 1/11/2019**
Increase STBG funding in 2019 for PE by \$100k.

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**DISTRICT OF COLUMBIA
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CAPITAL COSTS (in \$1,000)**

Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total	
TIP ID: 3193 Agency ID: CD056A		Title: 11th Street Bridges SE, Replace and Reconfigure					Complete: 2024		Total Cost: \$37,500		
Facility: 11th Street Bridge and Interchan	NHPP 1	80/20/0	4,500 a								
From:			31,000 c								
To:	NHPP 2	83/17/0	1,500 a					3,628 c		3,628	
Total Funds:										3,628	

Description: To replace existing structure with new structures and provide direct access from I-295 to Downtown DC (via I-395). To include work for:
a. I-695 Bridges, I-395 to I-295/DC-295- Project Management
b. I-695 Eastbound D4 Ramp Design

Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total	
TIP ID: 3202 Agency ID: CD032C, MNT05		Title: Bridge Design Consultant Services					Complete: 2024		Total Cost: \$13,850		
Facility: CITYWIDE	NHPP	83/17/0		723 a	723 a	723 a	723 a	723 a	878 a	4,493	
From:											
To:	STBG	83/17/0		828 a	828 a	828 a	828 a	828 a	873 a	5,013	
Total Funds:										9,506	

Description: A. Structures and Bridges Engineering Services: Provide engineering services for bridges and structures design, geotechnical or other investigations, surveying, including constructability review.

B. Bridge Design Consultant: Under this contract, the consultant will investigate structural deficiencies encountered during bridge inspections and from observation of DDOT staff. They will propose and design solutions for temporary shoring, structural repair and retrofit, perform structural analyses and rating of bridges, prepare plans, details, special provisions, cost estimates and work orders for construction by the DDOT preventive maintenance contractor.

C. Construction Estimate: Provide support to department with independent cost estimate for construction projects before finalizing the PS and E package for advertisement.

Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total	
TIP ID: 3210 Agency ID: AF049A		Title: Transportation Alternatives Program					Complete: 2024		Total Cost: \$13,800		
Facility: Citywide	STBG	80/20/0	2,300 a								
From:											
To:	TAP	80/20/0	2,300 a	1,310 c	1,150 c	1,150 c	1,150 c	1,150 c	1,150 c	7,060	
Total Funds:										7,060	

Description: The TAP or TA Set-Aside is a reimbursable federal aid funding program for transportation-related community projects designed to strengthen the intermodal transportation system. The program aims to expand travel choice, strengthen the local economy, improve the quality of life, and protect the environment by supporting non-traditional projects linked to the transportation system. Projects will be reviewed through a competitive process and selected based upon a number of criteria including the project's expected benefits to the community, feasibility and project readiness, consistency with agency plans and missions, and the sponsor's demonstrated ability to manage a federal-aid project.
a. Taft Bridge Lion Statue Restoration
b. Constitution Ave and 18th St NW Crosswalk and Paths Improvement
c. Jay St NE Smart Bio-retention
d. Washington Union Station Roman Legionnaires and Interior Restoration
e. Taft Bridge Lion Statue Restoration

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Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 3212 Agency ID: CB0, CI0		Title: Safety Improvements Citywide				Complete:		Total Cost:		\$75,000
Facility: Citywide	HSIP	90/10/0		5,350 a	5,350 a	5,350 a	5,350 a	5,350 a	3,750 a	55,050
From:				4,150 c	4,150 c	4,150 c	4,150 c	4,150 c	3,800 c	
To:	SPR	80/20/0		175 a	175 a	175 a	175 a	175 a	175 a	1,050
	STBG	83/17/0		1,500 a	2,000 a	1,500 a	1,500 a	2,000 a	1,500 a	10,910
				160 c	150 c	150 c	300 c	150 c		
Total Funds:										67,010

Description: Safety improvements provide a safe traveling environment for vehicular traffic, pedestrians and bicycle circulation within the District on Federal-aid and local roads. Work includes elimination or relocation of roadside visual obstructions; elimination or relocation of roadside obstacles; skid resistance resurfacing; modifications to traffic channeling; median replacement; traffic signals, signs, and lighting upgrades; installation of pavement markings to eliminate or reduce accidents; and installation of safety fences at overhead structures. Safety improvements are systematically identified through analyses of accident records, inspections, surveys, and citizen requests. The District maintains an inventory of locations with the highest number of reported accidents. Funding identified to be obligated District-wide as projects are identified.

- a. Crash Database
- b. CCTV Cameras
- c. Pavement Skid Testing
- d. Road Safety Audit Program
- e. Traffic Data Collection and Analysis Services
- f. Traffic Engineering Design
- g. Traffic Safety Construction
- h. Traffic Safety Data Center at Howard University
- i. Traffic Safety Design
- j. Traffic Safety Engineering Support Services
- k. Traffic Sign Inventory Upgrade

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CAPITAL COSTS (in \$1,000)**

Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 3213 Agency ID: CAL16C, PM304 Title: Planning and Management Systems				Complete:			Total Cost:			\$55,377
Facility: Citywide	CMAQ	80/20/0		50 a	50 a	50 a	50 a	50 a	50 a	300
From:										
To:	SPR	80/20/0		5,600 a 150 c 50 d	5,600 a 150 c 50 d	5,600 a 50 d	5,600 a 50 d	5,500 a 50 d	2,600 a 50 d	31,100
	STBG 2	100/0/0		3,000 c	2,000 c	3,000 c				8,000
	STBG 9	83/17/0		5,100 a 381 c 2,600 e	3,410 a 392 c 1,000 e	2,910 a 404 c 1,000 e	2,950 a 416 c 1,000 e	3,350 a 427 c 1,000 e	2,350 a 427 c 1,000 e	30,117
	STIC	80/20/0		125 d	125 d	125 d	125 d	125 d	125 d	750
Total Funds:										70,267

- Description:
- a. ADA Compliance
 - b. Anti Idling Campaign
 - c. Asset Inventory and ADA Compliance
 - d. Audit and Compliance
 - e. Civil Rights/EEO Compliance Monitoring Program
 - f. Constructability and Work Zone Safety Review
 - g. DBE On-Line Certification Application Program
 - h. DBE Supportive Services/OJT Supportive Services
 - i. Infrastructure Information Technology Support Services
 - j. ITS General Support
 - k. Metropolitan Planning
 - l. Research Development and Technology Transfer
 - m. State Planning and Research Program
 - n. STIC Innovation Grant
 - o. Summer Transportation Institute
 - p. Transportation Asset Management Plan

Modification: Change Description, Add Funding	Approved on: 1/11/2019
List additional subproject, "Infrastructure Information Technology Support Services;" Increase STBG funding for Other by \$2,600k in 2019, \$1,000k in 2020, \$1,000k in 2021, \$1,000k in 2022, \$1,000k in 2023, and \$1,000k in 2024	
Modification: Increase funding	Approved on: 11/2/2018
Increase STP funding for Design by \$500,000 in 2019.	

Amended and Modified as of
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CAPITAL COSTS (in \$1,000)**

		Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 3215	Agency ID: SR092A	Title: Federal Aid Pavement Restoration					Complete: 2024		Total Cost:		\$76,790
Facility: Citywide		STBG	83/17/0		9,300 c	9,523 c	9,752 c	9,986 c	10,225 c	10,471 c	59,257
From:											
To:		Total Funds: 59,257									
Description: Citywide pavement and resurfacing/restoration, upgrading of sidewalk, curb and gutter, and wheelchair ramps.											

TIP ID: 3216	Agency ID: OSS07A, CI060A	Title: Traffic Operations Improvements Citywide					Complete: 2024		Total Cost:		\$77,059
Facility:		HSIP	90/10/0		1,900 c	2,000 c	2,000 c	2,000 c	2,000 c	2,000 c	11,900
From:											
To:		NHPP	83/17/0		3,600 c		900 c	900 c	900 c		6,300
		STBG	83/17/0		7,069 c	14,809 c	6,150 c	6,195 c	4,000 c	4,000 c	49,843
					1,270 e	1,270 e	1,270 e	1,270 e	1,270 e	1,270 e	
											Total Funds: 68,043

Description: This project modifies and improves vehicular and pedestrian traffic control systems, such as traffic signals, channelization, signs, pavement markings, and other traffic control measures on and off the Federal-aid highway system. Includes installation of a variety of traffic engineering devices and construction of nominal geometric alterations. The project will preserve and promote the efficient use of existing city streets through changes in the organization of vehicular and pedestrian traffic flows. Projects include:

- a. Construction of Fiber Communication Networks on Corridors
- b. ITS Maintenance
- c. MATOC
- d. Moveable Barrier System
- e. Thermoplastic Pavements Markings
- f. TMC Hardware and Data Services
- g. Traffic Management Center Operations

TIP ID: 3219	Agency ID: ZU022A	Title: Commuter Connections Program					Complete:		Total Cost:		\$8,357
Facility:		CMAQ	80/20/0	4,857 a	700 a	700 a	700 a	700 a	700 a	700 a	4,200
From:											
To:		Total Funds: 4,200									


Description: The purpose of the Commuter Connections Program is to reduce mobile source emission through the reduction in the number of VMT, and support of other Transportation Control Measures. This project provides funding for Commuter Operations Center, Guaranteed Ride, Home, Marketing, Monitoring and Evaluation, Employer Outreach, and DC Kiosk.

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2/4/2019

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CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 3228 Agency ID: AF073A, ZU024A Title: Metropolitan Branch Trail						Complete:		Total Cost: \$27,932	
Facility: Union Station District Line	CMAQ	80/20/0	400 a	500 a	10,240 c				10,740
From:			13,400 c						
To:	DEMO	80/20/0	2,192 a						
			1,200 c						


Total Funds: 10,740

Description: The Metropolitan Branch Trail project will provide a 6.25-mile bicycle/pedestrian trail from Union Station north to the District Line along the railroad right-of-way. This trail will connect at the District line with a route continuing into Silver Spring MD. This project is intended to serve both recreational users and commuters to meet Transportation Control Measures (TCMs) and air quality objectives. 

- a. L & M St.
- b. Ft. Totten to Takoma
- c. Manor Park Re-Alignment

TIP ID: 3232 Agency ID: CM064A, ZUT06 Title: Bicycle and Pedestrian Management Program						Complete: 2024		Total Cost: \$8,680	
Facility: Citywide	CMAQ	80/20/0	250 a	1,000 c	1,000 c		1,000 c		3,000
From:			5,430 c						
To:									

Total Funds: 3,000

Description: The goal of this project is to increase the safety and convenience of bicycle and pedestrian travel. It includes the widening of existing routes, curve realignment, grade reduction, and signage and lighting upgrades. Included in the Bicycle and Pedestrian Management Program is: 

- a. Bicycle Parking Racks
- b. Bicycle Lanes and Signs (mark dedicated bicycle lanes, including signage)
- c. BIKE_Capital Bikeshare (CaBi)

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		Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 3242	Agency ID: CA303C, MNT02	Title: Stormwater-Hydraulic Structures and Flood Management Works					Complete: 2026		Total Cost:		\$3,215
Facility:	State	0/100/0			1,341 a	1,373 a	1,406 a	1,440 a	1,474 a		7,034
From:											
To:	STBG	83/17/0			2,859 a	2,659 a	2,659 a	1,159 a	1,159 a	500 a	38,445
					4,300 c	6,450 c	5,950 c	3,750 c	4,000 c	3,000 c	
Total Funds: 45,479											

Description: The purpose of this project is to replace/rehab existing hydraulic structures as culverts, inlets, etc.. On a bi-annual bases and based on stormwater drainage problem occurrences the structures will be inspected. On an annual bases, structures will be rehabilitated or replaced depending on their condition. The project also assesses and manages flooding conditions on transportation infrastructures.

- a. Culvert Inspection
- b. Culvert Rehabilitation and Replacement
- c. Drainage and Stormwater Improvements
- d. Hydraulic Structures Design
- e. Stormwater Retrofits

TIP ID: 3243	Agency ID: CD062A	Title: Citywide Consultant Bridge Inspection					Complete:		Total Cost:		\$21,507
Facility:	NHPP	83/17/0			1,950 a		4,500 a		2,300 a	2,375 a	11,125
From:											
To:	STBG	83/17/0				2,232 a					2,232
Total Funds: 13,357											

Description: Consultant inspection of the District's bridges. Work under this contract consist of performing detailed condition inspections and evaluations of all highway and pedestrian bridges, and tunnels and underpasses, under the ownership of the District of Columbia in accordance with the prescribed inspections schedule, the DDOT Bridge Inspection Manual of Procedures and the National Bridge Inspection Standards (NBS). Safety inspection of railroad owned bridges crossing District streets shall also be performed. Selected inspections of culverts and overhead sign structures shall be performed as needed. FY2014 obligation includes Phase II of the overhead sign structure effort.

TIP ID: 3355	Agency ID: PM086A	Title: Professional Capacity-Building Strategy					Complete:		Total Cost:		\$11,000
Facility: Citywide	STBG	100/0/0	1,250 a	1,500 a	1,000 a	1,000 a	1,000 a	1,000 a	1,000 a		5,500
From:											
To:	STBG 1	80/20/0	5,000 a								
Total Funds: 5,500											

Description: This project provides training and educational experiences to build the technical capability and functional knowledge of DDOT employees to be a high-performing DDOT organization that will enhance community involvement and improve management's capacity.

Modification: Funding Increase

Approved on: 1/11/2019

Increase STBG funding in 2019 for PE by \$500k.

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CAPITAL COSTS (in \$1,000)**

Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 3423 Agency ID: AW011, AW024A Title: South Capitol Street Corridor							Complete:	Total Cost:	\$554,172	
Facility:	DEMO	80/20/0	103,918 c							
From: N St, MLK Ave, Suitland Pkwy, Memorial Bri	GARVEE	80/20/0	132,960 c	160,000 c	66,560 c	68,157 c				294,717
To:	NHPP	80/20/0	24,600 c							
	State	0/100/0	104,740 c	41,000 c	83,866 c					124,866
										Total Funds: 419,583

Description: Redevelopment of the South Capitol Street corridor is a part of the Anacostia Waterfront Initiative. Concept plans for the replacement of the Frederick Douglas Memorial Bridge are under development as part of the EIS currently being prepared for the corridor.

- a. New Frederick Douglass Memorial Bridge: Full replacement and realignment of the Frederick Douglass Memorial Bridge.
- b. Suitland Parkway and I-295 Interchange Reconfiguration: The improvements include the removal of existing cloverleaf ramps at the interchange, replacing them with a diamond interchange. The diamond interchange will include two at-grade signalized intersections, one at the I-295 northbound ramps and the other at I-295 southbound ramps.
- c. Martin Luther King Jr. Ave. and Suitland Parkway Interchange Reconfiguration: The existing MLK Jr. Bridge over Suitland Parkway will be replaced and a center ramp signalized interchange will be created to allow full movements to and from Suitland Parkway to MLK Jr. Ave.
- d. South Capitol St from N St to SE/SW Freeway Boulevard Streetscape: This segment will be rebuilt as a six-lane boulevard divided by a landscaped median.
- e. New Jersey Ave SE Streetscape improvements: The streetscape concept will restore a consistent design to the avenue between the SE-SW Freeway and M Street SE.

TIP ID: 5298 Agency ID: AF067A Title: Emergency Transportation Project							Complete:	Total Cost:	\$534	
Facility: C ITYWIDE	STBG	83/17/0		25 c	26 c	26 c	27 c	27 c	28 c	159
From:										
To:										Total Funds: 159

Description: The purpose of this project is to provide a vehicle that allows the Department to respond to emergencies or other unforeseen events that are not budgeted or planned. It is always to plan for emergency work such as major pavement failures, such as sinkholes, falling steel and concrete from bridges and other urgent needs. The project will enable the Department to quickly respond to any emergency without delay.

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Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 5308 Agency ID: SR070A, ED070 Title: Neighborhood Streetscape Improvements			Complete:			Total Cost:			\$12,396
Facility: HSIP	90/10/0	50 a							
From:		877 c							
To:	STBG	83/17/0			1,573 a		9,896 c		11,469
Total Funds:									11,469

Description: Improve sidewalks, curbs, gutters, trees, streetlights, traffic signals and trash receptacles. Projects include:

- a. 14th St from Thomas Cir to Florida Ave NW Streetscape
- b. U St from Florida Ave to 14th St NW
- c. Sheriff Rd from 43rd St to 51st St NE Safety Improvements
- d. Missouri Ave, Kansas Ave, Kennedy St NW Intersection Improvements
- e. 15th Street NW Intersection Safety Improvements

TIP ID: 5313 Agency ID: CG311, CG312, Title: Urban Forestry Program			Complete:			Total Cost:			\$10,800
Facility: Citywide	NHPP	83/17/0	200 c	200 c	200 c	200 c	200 c	200 c	1,200
From:									
To:	STBG	83/17/0	300 c	300 c	300 c	300 c	300 c	300 c	1,800
Total Funds:									3,000

Description: Plant new trees, remove dead and diseased trees, treat diseased trees, replace trees, and landscape along local and Federal roads.

TIP ID: 5315 Agency ID: MRR09A Title: Blair / Cedar / 4th Street NW			Complete:			Total Cost:			\$12,750
Facility: Intersection of Blair/Cedar and 4th	HSIP	90/10/0	2,700 c	100 a					1,350
From:				1,250 c					
To:	STBG	80/20/0	300 a						
			10,100 c						
Total Funds:									1,350

Description: Implementation of recommendations from the Takoma Study, including new traffic signals, sidewalks, curbs and gutters.

Safety Improvements as identified in the Road Safety Audit completed.

Modification: Funding Increase **Approved on: 1/11/2019**
Increase HSIP funding in 2019 for PE by \$100k.

Amended and Modified as of
2/4/2019

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CAPITAL COSTS (in \$1,000)**

	Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total	
TIP ID: 5316	Agency ID: CD062A	Title: Guiderails and Attenuators					Complete:		Total Cost:		
Facility: Citywide	HSIP	100/0/0			1,967 c	2,142 c	150 a	110 c		6,344	
From:							1,975 c				
To:											
Total Funds:										6,344	

Description: This project repairs, replaces and upgrades safety appurtenances on and off the Federal-aid Highway System that have been damaged by errant vehicles, and replaces units that do not meet the requirements of NCHRP (National Cooperative Highway Research Program) Report 350. Work also includes construction of guiderails and attenuators at new locations and removal of units in locations where they are no longer needed.

- a. Guiderails and Attenuators Inventory and Design
- b. Guiderails and Attenuators Repair and Replacement

Modification: Change Project Title and Description **Approved on: 11/2/2018**
Change project name to "Guiderails and Attenuators"; Add subprojects, "Guiderails and Attenuators Inventory and Design" and "Guiderails and Attenuators Repair and Replacement"

TIP ID: 5322	Agency ID: CM085A	Title: Environmental Management System					Complete:		Total Cost:		\$3,800
Facility:	CMAQ	80/20/0		600 a	625 a	625 a	650 a	650 a	650 a	3,800	
From:											
To:											
Total Funds:										3,800	

Description: Maintain DDOT's environmental management system and update, as necessary, the DDOT Environmental Policy and Process manual. This project will also enable the review and processing of environmental documentation.

TIP ID: 5323	Agency ID: MNT06A, SR091	Title: Condition Assessment					Complete:		Total Cost:		\$17,615
Facility: citywide	STBG	83/17/0		1,100 a	1,100 a	1,100 a	1,100 a	1,100 a	1,100 a	6,600	
From: citywide											
To:											
Total Funds:										6,600	

Description: This project will be used to retain a vendor to perform data collection and analysis of DDOT's pavement conditions.

TIP ID: 5337	Agency ID: CD051A	Title: Kenilworth Ave NE Pedestrian Bridges Replacement					Complete:		Total Cost:		\$21,500
Facility: Kenilworth	STBG	80/20/0	2,350 a								
From:			2,500 b								
To:	STBG 1	83/17/0		14,000 c						14,000	
Total Funds:										14,000	

Description: This project will fund the replacement of the deck, approach slabs, bearing joints; and repair the substructure and repaint steel.

- a. Douglas St NE Pedestrian Bridge Replacement

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CAPITAL COSTS (in \$1,000)**

		Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 5339	Agency ID: SR037A	Title: Pavement Restoration - NHPP Streets					Complete:		Total Cost:		\$83,800
Facility:		NHPP	83/17/0		150 a	10,000 c	10,000 c	10,000 c	10,000 c	10,000 c	60,150
From:					10,000 c						
To:											
Total Funds: 60,150											

Description: Resurfacing of selected roadway segments on the National Highway System (NHPP), repair-replacement of curbs, gutters and sidewalks, driveways, base pavements, perimeter fencing, furnishing sewer-water manhole frames, catch basin tope and removal of roadway and roadside debris.

TIP ID: 5342	Agency ID: CD046A	Title: Approach Bridges to 14th Street Bridge					Complete:		Total Cost:		\$34,671
Facility: 14th Street Bridge northbound over the Poto		NHPP	90/10/0	2,000 a	3,000 a					31,525 c	34,525
From:											
To:		NHPP 1	80/20/0	1,750 a							
Total Funds: 34,525											

Description: The approach bridges to be rehabilitated are over Maine Ave. (bridge 171-1), over the Outlet Channel (bridge 171-2) and over Haines Point Park (bridge 171-3).

Modification: Change Funding Year	Approved on: 11/2/2018
Move funding for final design from 2021 to 2019.	

TIP ID: 5347	Agency ID: CI046A, CI047A,	Title: Traffic Signal Maintenance					Complete:		Total Cost:		\$103,875
Facility: Citywide		NHPP	83/17/0		5,425 c	5,450 c	5,450 c	5,450 c	5,450 c	5,450 c	32,675
From: Citywide											
To: Citywide		STBG	83/17/0		3,500 a	1,500 a	1,500 a	2,500 a	1,500 a	3,500 a	71,200
					8,900 c	8,700 c	8,700 c	8,700 c	8,700 c	8,700 c	
					800 d	800 d	800 d	800 d	800 d	800 d	
Total Funds: 103,875											

Description: Provide effective and efficient maintenance services for the traffic signal systems throughout the District of Columbia.

Support the Traffic Signal Group of DDOT TOA in providing traffic engineering studies and signal system analysis and management for the city's roadway system. This projects mission is to perform signal warrants. Projects include:

- a. Traffic Signal Construction Contract
- b. Traffic Signal Maintenance
- c. Traffic Signal Optimization
- d. Traffic Signal System Analysis and Design
- e. Traffic Signal System Management

Modification: Revise Subproject List	Approved on: 1/11/2019
No funding change; add subproject "Traffic Signal System Analysis and Design;" remove subprojects: "Traffic Signal Construction Contract (National Highway System Routes)," "Traffic Signal Consultant Design," "Traffic Signal On-site Support Services," and "Traffic Signal Systems Analysis."	

Amended and Modified as of
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**DISTRICT OF COLUMBIA
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CAPITAL COSTS (in \$1,000)**

		Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 5353		Agency ID: ED028A		Title: Southern Ave SE Improvements			Complete:		Total Cost:		\$45,259
Facility: Southern Ave SE		STBG	83/17/0		15,500 c		12,059 c				27,559
From: South Capitol St SE											
To: 23rd St SE		STBG 1	80/20/0	2,200 a 15,500 c							

Total Funds: 27,559

Description: The purpose of the project is to implement transportation improvements that improve vehicular, pedestrian, and bicycle safety, maintain mobility, and correct roadway facility deficiencies through the project area.

- a. Southern Ave from South Capitol St to Barnaby St SE and Bridge over Winkle Doodle Branch
- b. Southern Ave from Barnaby Rd SE to UMC Campus

TIP ID: 5385		Agency ID: AD020A		Title: Streetlight Asset Management			Complete:		Total Cost:		\$35,600
Facility: Citywide		NHPP	83/17/0		3,840 c	2,320 c	2,320 c				8,480
From:		State	0/100/0		7,000 c	4,200 c	4,200 c				15,400
To:		STBG	83/17/0		5,760 c	3,480 c	3,480 c				12,720

Total Funds: 36,600

Description: This project will provide maintenance for the District's aging lighting system to provide safe operations. Work includes upgrade of lights in tunnels and underpasses, bridges, highways, overhead guide sign lighting, obsolete incandescent and mercury vapor lights as well as navigation lights on bridges and waterways. Projects include:

Modification: Error Correction **Approved on: 2/4/2019**
 The Modification performed on 1/11/2019 contained errors. The increase in NHPP funding in 2019 for construction should have said \$1,520k; the increase in STBG funding in 2019 for construction should have said \$2,280k.

Modification: Funding Increase and Combined project **Approved on: 1/11/2019**
 Name changed from 'Streetlight Asset Mgmt - Federal;' Increase State/DC funding in 2019 for construction by \$2,800k; Increase NHPP funding in 2019 for construction by \$2,320k; Increase STBG funding in 2019 for construction by \$3,480k. Combined individually listed projects; '5350' (Streetlight Asset Mgmt & Streetlight Construction - Local) funding will be listed with '5385' (Streetlight Asset Mgmt - Federal).

TIP ID: 5433		Agency ID: PM094A, CD053		Title: Bridge management Project/AASHTOWARE			Complete:		Total Cost:		\$2,125
Facility: Citywide		NHPP	83/17/0		350 a	350 a	350 a	350 a	375 a	375 a	2,150
From: Citywide		STBG	83/17/0		620 e	300 e	310 e	310 e	310 a	310 a	2,160
To:											

Total Funds: 4,310

Description: This project provide funds to support the Bridge Management Program and to pay the annual Points license fee.

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CAPITAL COSTS (in \$1,000)**

		Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 5439	Agency ID: AD017A	Title: Citywide streetlight construction					Complete:		Total Cost:		\$22,765
Facility: citywide		STBG	83/17/0		300 a	300 a	300 a	300 a	300 a	300 a	18,000
From: citywide					2,700 c	2,700 c	2,700 c	2,700 c	2,700 c	2,700 c	
To:											
										Total Funds: 18,000	

Description: This project will provide installation/construction of the District's aging streetlight systems to provide safe operations. Work includes upgrading of lighting in tunnels, freeway air rights, overhead signs structures, and obsolete navigational lights on bridges.

TIP ID: 5554	Agency ID: HTF02A	Title: Garvee Bond Debt Service - 11th Street Bridge SE Replacement					Complete:		Total Cost:		\$82,390
Facility:		NHPP	100/0/0	14,100 c	14,100 c	14,100 c	14,100 c	14,100 c	14,100 c	11,771 c	82,271
From:											
To:		NHPP 1	80/20/0	47,075 c							
										Total Funds: 82,271	

Description: This project consist of rehabilitation of existing deck, steel beams.

TIP ID: 5754	Agency ID: CM080A	Title: Benning Road Extension					Complete:		Total Cost:		\$226,976
Facility: Streetcar Line		CMAQ	80/20/0	3,200 a							
From:											
To:		NHPP	83/17/0			7,168 a	22,455 c	38,706 c	49,978 c		118,307
		State	0/100/0	6,400 a	8,000 a		19,923 c	20,401 c	28,131 c		76,455
				23,614 c							
										Total Funds: 194,762	

Description: The Benning Road Streetcar Extension is a 1.95-mile surface fixed guide way transit line that includes electrically powered streetcar vehicles operating along tracks located within the existing street and travel lanes. The NEPA study will address potential impacts of the project, as well as, preliminary engineering (conceptual) for the line.

Amended and Modified as of
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**DISTRICT OF COLUMBIA
FY 2019-2024 TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 5755 Agency ID: STC12A		Title: Union Station to Georgetown Premium Transit; K Street Transit				Complete:		Total Cost:		\$348,000
Facility: Premium Transit	CMAQ	80/20/0	1,500 d							
From:	NHPP	80/20/0	7,500 a							
To:	State	0/100/0	5,250 a 7,000 c	1,000 a						1,000
Total Funds:										1,000

Description: DDOT received an alternatives analysis grant from the Federal Transit Administration to study premium transit options from the Union Station to Georgetown. Premium transit is high quality transit that offered improved liability and speed. The purpose of the AA study is to provide premium transit between Union Station and Georgetown. The Nepa document will select a preferred alternative to move to design and construction for premium transit. Also included in this project is an extension study to continue the transit Northwest. This project also includes K Street Transit Streetscape construction funding.

TIP ID: 5792 Agency ID: ED0C2A		Title: C Street NE Implementation				Complete:		Total Cost:		\$22,032
Facility: C Street/N. Carolina Avenue	STBG	80/20/0	1,500 a							
From: Oklahoma Avenue	STBG 1	83/17/0		293 a	3,033 a					20,825
To: 14th Street NE					17,499 c					
Total Funds:										20,825

Description: The C Street NE Traffic Calming project will slow traffic on the corridor by reducing at least one vehicular lane of traffic.

Modification: Funding Increase	Approved on: 11/26/2018
Increase STBG funding in 2019 for PE by \$143k	
Modification: Increase funding	Approved on: 11/2/2018
Increase STP funding for preliminary engineering by \$150,000 in 2019	

TIP ID: 5802 Agency ID: AW035A		Title: Program Manager AWI				Complete:		Total Cost:		\$52,500
Facility: Citywide	NHPP	80/20/0	28,000 a							
From:	NHPP 1	83/17/0	700 a	1,500 a	1,500 a	1,500 a	3,000 a	1,500 a		9,000
To:										
Total Funds:										9,000

Description: Consultant services to supplement the NEPA process and implement design and construction of the AWI corridors. Work includes surveys; geotechnical and environmental investigation and testing preliminary ;roadway and bridge design and CE services during construction. Funding will be used for construction oversight and consultant services.

Amended and Modified as of
2/4/2019

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CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 5804 Agency ID: MRR04A Title: East Capitol St Bridge over Anacostia River			Complete: 2023				Total Cost: \$18,665		
Facility: Anacostia Freeway Bridge over Anacostia River	NHPP	80/20/0	350 a	800 c					800
From:			16,000 c						
To:									
Total Funds:									800

Description: Rehabilitation of subject bridge to eliminate all deficiencies and ensure the safety of the traveling public. This bridge is structurally deficient and must be rehabilitated in accordance with the requirements of MAP21. Deficiencies include deteriorating overlay, efflorescence and map cracking in soffit, expanded bearings, deteriorated superstructure steel under fender dams, peeling paint, rotation of substructure units. Br. # 233.

Amendment: Reinstate, funding increase, and name change **Approved on: 2/1/2019**
) Reinstate project; add NHPP funding in the amount of \$800,000 for construction for program year 2019; change project name from "East Capitol St. Bridge over Anacostia River, Br. # 233."

TIP ID: 5957 Agency ID: AW0, EW002C Title: Pennsylvania Ave/Potomac Circle			Complete:				Total Cost: \$21,961		
Facility: Pennsylvania Ave and Potomac Circle	HSIP	80/20/0	3,000 a						
From:			5,750 c						
To:	NHPP	83/17/0	1,400 a			11,811 c			11,811
Total Funds:									11,811

Description: Convert the former I-695 freeway into Southeast Boulevard and to reconfigure Barney Circle to provide at grade access and neighborhood connectivity to the waterfront. Improve pedestrian and bicycle access to the Sousa Bridge and along proposed Southeast Boulevard to the 11th Street Bridges.

Pedestrian and Bicycle Safety improvements including reconfiguration of the Pennsylvania Ave/Potomac Avenue intersection, new signals and crosswalks and improvement access to the Potomac Metro station.

TIP ID: 6038 Agency ID:			Title: Garvee Bond Debt Service - South Capitol St				Complete:		Total Cost:	
Facility:	NHPP	83/17/0		14,700 c	23,300 c	25,600 c	25,600 c		89,200	
From:										
To:										
Total Funds:									89,200	

Description: DDOT will use future FHWA annual allocations to pay service on the bonds.

TIP ID: 6039 Agency ID: CD054A Title: H Street Bridge over Railroad			Complete: 2025				Total Cost: \$220,211		
Facility: H Street NE	NHPP	80/20/0	1,000 a						
From: North Capitol Street									
To: 3rd Street NE	State	0/100/0	9,000 a	13,541 c	33,122 c	66,795 c	75,983 c	21,764 c	211,205
			14,250 c						
Total Funds:									211,205

Description: Conduct environmental assessments. Prepare concept designs, design plans and specifications and construct documents for bridge replacement/rehabilitation. Includes work on the H Street NE Bridge from North Capitol St. to 3rd St. NE. The bridge will be reconstructed to accommodate the H/Benning Streetcar Line, allow for Amtrak to increase its capacities in its Union Station rail yard, and allow for development of the air rights above the rail yard.

Amended and Modified as of
2/4/2019

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CAPITAL COSTS (in \$1,000)**

		Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 6102	Agency ID:	Title: 5303/5304 FTA Program					Complete:		Total Cost:		\$2,874
Facility: Citywide		Sect. 5303	80/20/0	2,420 a	415 a	415 a					830
From:											
To:		Sect. 5304	80/20/0	638 a	110 a	110 a					220
Total Funds:											1,050

Description: DDOT receives an annual FTA grant appropriation to support metropolitan planning activities (5303) and Statewide/DC based Planning Activities (5304).

TIP ID: 6105	Agency ID:	Title: DC Circulator New Buses for Replacement and Expansion					Complete:		Total Cost:		\$8,925
Facility:		State	0/100/0	63,853 e	750 c	768 c					8,618
From:					7,100 e						
To:											
Total Funds:											8,618

Description: Additional Circulator buses must be purchased in order to expand service to additional routes.

TIP ID: 6114	Agency ID: ZUT10C	Title: South Capitol Street Trail					Complete:		Total Cost:		\$12,964
Facility:		CMAQ	80/20/0	1,700 a		11,264 c					11,264
From:											
To:											
Total Funds:											11,264

Description: Design and construct a paved bicycle and pedestrian trail along South Capitol Street based on the 2010 concept plan.



TIP ID: 6115	Agency ID: CI040A	Title: Traffic Signal LED Replacement					Complete:		Total Cost:		\$8,400
Facility:		NHPP	80/20/0	2,220 c							
From:											
To:		NHPP 1	83/17/0	900 c	1,080 c	1,080 c	1,080 c	1,080 c	1,080 c	1,080 c	6,480
		STBG	80/20/0	2,220 c							
		STBG 1	83/17/0	540 c	450 c	540 c	990 c	540 c	540 c	540 c	3,600
Total Funds:											10,080

Description: Replace traffic and pedestrian signal LED modules at all signalized intersections on the surface transportation systems.

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CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 6187 Agency ID: MRR27A Title: I-395 HOV Bridge over Potomac River						Complete:	Total Cost:		\$39,250
Facility: I-395 HOV	NHPP	80/20/0	1,750 a						
From: Over Potomac River									
To: Over Potomac River	NHPP 1	90/10/0	1,500 a					60,799 c	60,799
Total Funds:									60,799

Description: Repair extensive pier cracking, superstructure and substructure rehabilitation.

TIP ID: 6190 Agency ID: FLD01 Title: Bloomingdale/LeDroit Park Medium Term Flood Mitigation Project						Complete:	Total Cost:		\$10,000
Facility: Bloomingdale/LeDroit Park	State	0/100/0	2,500 a	500 a					2,000
From:			7,500 c	1,500 c					
To:									
Total Funds:									2,000

Description: Construction of Green Infrastructure to manage flooding concerns in the Bloomingdale/LeDroit neighborhoods.

TIP ID: 6193 Agency ID: PM0D7A Title: Cleveland Park Streetscape and Drainage Improvement						Complete:	Total Cost:		\$17,256
Facility: Connecticut Ave. NW	NHPP	80/20/0	526 a						
From: Porter Street NW			2,415 c						
To: Macomb Street NW	NHPP 1	83/17/0		240 a					14,555
Total Funds:									14,555

Description: Implementation of Cleveland Park study recommendations including Connecticut Avenue access lane and neighborhood parking supply, streetscape improvements and intersection reconfiguration at Porter/Quebec/Connecticut Ave NW.

Modification: Increase funding **Approved on: 11/2/2018**
Increase NHPP for preliminary engineering by \$240,000 in 2019.

TIP ID: 6194 Agency ID: Temp1315 Title: Normanstone/Fulton Street Culvert & LID						Complete:	Total Cost:		\$4,300
Facility: Normanstone Drive	FLAP	83/17/0	1,500 c	1 c					1
From: Fulton Street									
To: 34th Street	State	0/100/0	2,800 c						
Total Funds:									1

Description: This project repair seven culverts under Normanstone Drive, install linear bioretention cells along Fulton Street and Normanstone Drive, and mill and resurface both streets

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2/4/2019

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CAPITAL COSTS (in \$1,000)**

Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 6195 Agency ID: ZU033A		Title: Florida Ave NE Streetscape				Complete:		Total Cost:		\$27,670
Facility: Florida Avenue, NE		STBG	80/20/0	2,000 a						
From:										
To:		STBG 1	83/17/0	1,500 a	2,000 a		22,020 c			24,020
				150 b						
										Total Funds: 24,020

Description: Implementation of Florida Avenue Transportation Study recommendations, which includes reconstruction, safety improvements, and streetscape upgrades.

- a. Florida Ave from 2nd St to H St NE
- b. Florida Ave and New York Ave NE Intersection

Modification: Funding Increase and add subprojects **Approved on: 2/4/2019**
Increase STBG funding in 2019 for PE by \$2,000,000. Revise description to list subprojects.

TIP ID: 6197 Agency ID: MRR26A		Title: Monroe St NE Bridge over CSX & WMATA				Complete:		Total Cost:		\$22,400
Facility: Monroe Street Bridge		NHPP	80/20/0	1,700 a						
From:				20,700 c						
To:		STBG	80/20/0	1,500 c						
		STBG 9	83/17/0		1,600 c					1,600
										Total Funds: 1,600

Description: Existing Monroe Street Bridge over Metro tracks is in poor condition. This project is for the Bridge replacement.

Amendment: Add Project **Approved on: 11/2/2018**
Amend project into the FY 2019-2024 TIP with \$1.6 million in STBG funding in FY 2019 for construction. This project was previously included in the FY 2017-2022 TIP

TIP ID: 6315 Agency ID: SR086A		Title: East Capitol Street Corridor Mobility & Safety Plan				Complete:		Total Cost:		\$3,800
Facility: Street		HSIP	90/10/0	1,500 a	400 a					400
From:										
To:		STBG	80/20/0	1,000 a						
										Total Funds: 400

Description: Design and Construct pedestrian safety and traffic operations improvements



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CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total	
TIP ID: 6418 Agency ID:		Title: 16th St Bridge over Piney Branch Rd NW Rehabilitation				Complete: 2021		Total Cost:		\$9,362
Facility: 16th St Bridge NW over Piney Branch Rd. N	NHPP	83/17/0	1,000 a							
From:			8,362 c							
To:										

Description: Rehabilitation of 16th Street Bridge over Piney Branch Parkway, NW, Bridge No. 0022, to include deck repair, utility replacement to preserve the integrity and extend the life of the masonry and reinforced concrete arch superstructure. Completion of the interior safety walkways, and railings

TIP ID: 6419 Agency ID:		Title: Rehabilitation of Eastern Avenue NE from New Hampshire Ave, NE to				Complete: 2021		Total Cost:		\$4,323
Facility: Eastern Avenue NE	STBG	80/20/0	750 a							
From: New Hampshire Ave NE										
To: Whitter Street NW	STBG 1	83/17/0		9,216 c					9,216	
Total Funds:									9,216	

Description: Rehabilitate of Reconstruct Asphalt Overlay on concrete pavement, replace deteriorated catch basins, manholes, curb and ramps

TIP ID: 6427 Agency ID:		Title: Kenilworth Terrace Bridge over Watts Branch				Complete: 2022		Total Cost:		\$8,347
Facility: Kenilworth Terrace Bridge over Watts Branch	NHPP	83/17/0		5,222 c					5,222	
From:										
To:										
Total Funds:									5,222	

Description: Project scope include applying waterproof seal to the entire timber structure, repair the reinforced concrete roadway curb, rehabilitation of deck structure of both approach abutments.

TIP ID: 6491 Agency ID:		Title: Connecticut Ave NW Multimodal Study				Complete: 2023		Total Cost:		\$25,590
Facility: Connecticut Ave NW	NHPP	80/20/0	1,000 a							
From:										
To:	NHPP 1	83/17/0		750 d		23,090 c			23,840	
	State	0/100/0		1,500 a					1,500	
Total Funds:									25,340	

Description: This project is composed of multiple improvements to the Connecticut Ave NW corridor. It includes streetscape improvements and deckover of the Dupont Circle underpass. It also includes a study to evaluate the effectiveness and safety of the reversible lanes and the feasibility of improved multimodal access through the corridor.

- a. Connecticut Ave from Dupont Circle to California St NW Streetscape
- b. Connecticut Ave NW Multimodal Study

Modification: Increase funding and name change **Approved on: 11/2/2018**
Increase STP funding for study by \$750,000 in 2019; Change name and list subprojects.

Amended and Modified as of
2/4/2019

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CAPITAL COSTS (in \$1,000)**

Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 6493 Agency ID:		Title: Roadway Reconstruction in Ward II				Complete: 2020		Total Cost:		\$18,403
Facility: 21st Street NW, Florida Ave NW, and Mass		NHPP	83/17/0	100 a						17,508
From:				17,408 c						
To:		STBG	80/20/0	1,000 a						


Total Funds: 17,508

Description: Pavement reconstruction including improvement of curb and gutter, sidewalk, streetlights, traffic signals, upgrade ADA ramps, drainage catch basins, LID's and replace trees at four locations in Ward II:
a. 21st St from O St to Massachusetts Ave NW
b. Florida Ave from Decatur St to Massachusetts Ave NW
c. Massachusetts Ave from 20th St to Waterside Dr NW

Modification: Funding Increase	Approved on: 1/11/2019
Increase NHPP funding in 2019 for PE by \$100k.	
Modification: Subproject name change	Approved on: 11/2/2018
Remove subproject 'd' and update bounding streets in the name of subproject 'c.'	

TIP ID: 6500 Agency ID:		Title: Shephards Branch Trail				Complete: 2023		Total Cost:		\$17,997
Facility: Anacostia Metro Station		CMAQ	80/20/0	717 a			17,180 c			17,897
From: Northward along CSXT RR ROW										
To: North eend of CSXT RR ROW		TAP	83/17/0	100 a						

Total Funds: 17,897

Description: Feasibility study for proposed Shephards Branch Trail to determine alignment probability of needing and Environmental Assessment (ES), likely permits needed, and potential construction costs for a tail on the soon to be acquired CSXT RR ROW. 

TIP ID: 6501 Agency ID:		Title: Kennedy St from 16th St to Georgia Ave NW Reconstruction				Complete: 2017		Total Cost:		\$12,577
Facility: Kennedy St NW		STBG	83/17/0	232 a			11,545 c			11,545
From: 16th St NW										
To: Georgia Ave		STBG 1	80/20/0	800 a						

Total Funds: 11,545

Description: This project is to reconstruct Kennedy Street, NW corridor from Georgia Avenue to 16th Street, NW. The scope of work for this Task Order includes but not limited to roadway and streetscape design, subsurface utility engineering (SUE), traffic signal modification, context sensitive design/solution, utility relocation coordination, maintenance of traffic, intersection safety and operational efficiency improvement, signage and pavement markings, storm water management-LID/Bio retention, Improvement of curbs & gutter, driveways, sidewalks and ADA ramps, and so on.

Amended and Modified as of
2/4/2019

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CAPITAL COSTS (in \$1,000)**


Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total	
TIP ID: 6502 Agency ID:		Title: Subsurface Investigation & AM Program Support					Complete: 2024		Total Cost:		\$5,122
Facility: Citywide		STBG 1	80/20/0	1,106 a							
From:											
To:		STBG 2	83/17/0	681 a	681 a	681 a	681 a	681 a	681 a	4,086	
Total Funds:										4,086	

Description: Subsurface Pavement Engineering to determine characteristics of roadway and to perform adequate analysis for pavement design, engineering and support for asset management program

TIP ID: 6503 Agency ID:		Title: Construction of Fiber Communication Network on Freeways					Complete:		Total Cost:		\$6,710
Facility: Citywide		HSIP	80/20/0	6,460 c	250 c					250	
From:											
To:											
Total Funds:										250	

Description: Perform feasibility study for upgrade of DDOT traffic signal system, conduct system design for implementation of advanced traffic controllers, Procure and install advanced traffic controllers and the associated devices; perform system integration.

TIP ID: 6516 Agency ID:		Title: Pedestrian Bridge over Arizona Ave NW and Connecting Trail Rehabil					Complete: 2018		Total Cost:		\$5,000
Facility: Pedestrian Bridge and Trail at Arizona Ave N		CMAQ	80/20/0	1,400 a	105 a					105	
From: Nebraska Ave NW											
To: Galena PI NW											
Total Funds:										105	

Description: The project area includes a rehabilitation and pavement of the 0.65-mile section of the trails at Arizona Ave from Nebraska Avenue, NW to Galena Place, NW including missing sections of the trail and rehabilitation/ reconstruction Substructure and Superstructure of approximately 110-foot long Pedestrian Bridge over Arizona Ave connecting both sides of Arizona Ave trails including pedestrian access ramp. 

Amendment: Add Project **Approved on: 11/2/2018**
Amend project into the FY 2019-2024 TIP with \$105,000 in CMAQ funding in FY 2019 for PE. This project was previously included in the FY 2017-2022 TIP.

TIP ID: 6595 Agency ID:		Title: Pennsylvania Ave from 17th St to Washington Cir NW Streetscape					Complete:		Total Cost:		\$17,000
Facility: Pennsylvania Ave NW		NHPP	80/20/0	1,000 a							
From: 17th St NW											
To: 22nd St NW		NHPP 1	83/17/0		1,536 a					1,536	
Total Funds:										1,536	

Description: Design for streetscape of Pennsylvania Avenue NW, includes multi-modal friendly transportation. Facilitate New Connections, Balancing the Modes, Pedestrian Scale Streetscape, Create a vibrant, cohesive public space that provides a sense of visual continuity and a framework for new active uses.

Amended and Modified as of
2/4/2019

**DISTRICT OF COLUMBIA
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CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total	
TIP ID: 6597 Agency ID: _____ Title: Aspen Street NW Improvements			Complete: 2020 Total Cost: \$4,482							
Facility: Aspen Street NW	State	0/100/0	500 a	3,482 c					3,982	
From: Georgia Avenue NW										
To: 16th Street NW	STBG	80/20/0	500 a							
									Total Funds: 3,982	

Description: Improve Aspen Street NW from Georgia Avenue NW to 16th Street NW to include new turn lanes and a multi-use trail on the north side of the street to support the Walter Reed redevelopment.

TIP ID: 6598 Agency ID: _____ Title: Tenleytown Multi-Modal Access			Complete: 2023 Total Cost: \$6,080							
Facility: Wisconsin Ave NW	STBG	80/20/0	1,000 a							
From: Albemarle Street NW										
To: Brandywine Street NW	STBG 1	83/17/0	1,000 a						1,000	
									Total Funds: 1,000	

Description: Develop preliminary and final design for improvements based on recently completed Tenleytown-AU Metrorail Station Access Improvements Study.

TIP ID: 6610 Agency ID: CFPID170319 Title: Overhead Freeway Sign Maintenance			Complete: _____ Total Cost: \$3,000							
Facility: Citywide	NHPP	83/17/0	600 c	600 c	600 c	600 c	600 c	600 c	3,000	
From: _____										
To: _____										
									Total Funds: 3,000	

Description: Repair and replacement of damaged overhead/oversized signage, primarily located along Interstate system. This project will facilitate replacement of damaged signs that are too large to fabricate and install in-house.

TIP ID: 6613 Agency ID: _____ Title: I-695 Bridges From I-395 to I-295/DC-295			Complete: 2026 Total Cost: _____							
Facility: I 695	NHPP	83/17/0				537 a	2,749 a	563 a	3,849	
From: I 395										
To: I 295										
									Total Funds: 3,849	

Description: Post-construction close-out and completion of outstanding items from the 11th Street Bridge project.

Amended and Modified as of
2/4/2019

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CAPITAL COSTS (in \$1,000)**

Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total	
TIP ID: 6614 Agency ID:		Title: Pennsylvania Ave SE Streetlight Upgrade					Complete:		Total Cost:		\$15,575
Facility: Pennsylvania Avenue		NHPP	83/17/0	7,115 c	110 a	7,460 c				14,685	
From: 2nd Street SE					7,115 c						
To: Barney Circle SE											
Total Funds:										14,685	

Description: The work includes but is not limited to installation of new light poles, light fixtures, wheel chair ramps and underground infrastructures including conduits, cables, manholes, excavation and backfill, pavement restoration.

- a. Pennsylvania Ave from 2nd St to 9th St SE
- b. Pennsylvania Ave from 9th St to Barney Cir SE

Modification: Funding Increase and list subprojects **Approved on: 2/4/2019**
Increase NHPP funding in 2019 for PE by \$110,000. Revise description to list subprojects.

TIP ID: 6625 Agency ID:		Title: Citywide Streetlights P3					Complete: 2034		Total Cost:		\$412,500
Facility:		NHPP	83/17/0	399 a	3,649 a	3,177 c	4,954 c	4,979 c	5,004 c	5,030 c	26,793
From:		State	0/100/0	729 a	6,925 a	6,072 c	9,203 c	9,252 c	9,302 c	9,354 c	50,108
To:		STBG	83/17/0	608 a	3,552 a	4,835 c	7,539 c	7,577 c	7,615 c	7,655 c	38,773
Total Funds:										115,674	

Description: This project will be to develop a Private, Public, Partnership (P3) for the Streetlights in the District of Columbia. The P3 will include the conversion of all District Streetlights to LED in addition to a long-term, performance-based asset management contract. Work to develop the P3 will include technical, legal, and financial aspects of the project which will be developed into an RFP. Section 106 and NEPA work will also be included during the development of the RFP. This project will be split 42% Local, 23% NHPP and 35% STP. The development of the P3 is anticipated to take between 12 and 18 months. The P3 contract will be for between 10 and 15 years.

Amended and Modified as of
2/4/2019

**DISTRICT OF COLUMBIA
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CAPITAL COSTS (in \$1,000)**

Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total	
TIP ID: 6636 Agency ID:		Title: Bus Priority Plan and Program					Complete: 2024		Total Cost:		\$2,000
Facility: Citywide		Sect. 5304	80/20/0	568 a						568	
From:		Sect. 5339(a)	80/20/0	1,000 a						1,000	
To:		State	0/100/0	432 a						432	
Total Funds:										2,000	

Description: interdisciplinary program at DDOT to plan, design, and implement bus priority corridor projects. Hire dedicated staff and a Program Management Consultant to assist with oversight and management of the new program, as well as planning and engineering services.\$2 million total funding request:\$1 million local funds requested for Bus Priority Plan, including NY Ave BRT.\$1 million federal funds requested for Bus Priority Program (comprised of funding for a Program Management Consultant and/or up to five dedicated FTEs supported by a PMC).Under the new program, lead a strategic plan for bus priority projects, which would build upon moveDC and the Metrobus Priority Corridor Network plan. This strategic plan would also evaluate the possibility of BRT on New York Avenue. The purpose of this plan is to: Identify benchmarks or metrics to determine when to apply specific bus priority improvements given corridor characteristics, such as ridership, headways, roadway width;Identify phase one corridors and prioritize them for study, design and implementation;Apply the benchmarks to determine a set of improvements for each phase one corridor; Engage the public and solicit feedback; andDevelop a programmatic agreement with the Federal Highway Administration for environmental clearance of the plan's recommendations or a streamlined approach to environmental documentation.See attached documents for Program vision, draft plan scope, and Program staffing request.

TIP ID: 6637 Agency ID:		Title: 4th St and P St SW Streetlight upgrade					Complete: 2025		Total Cost:		\$5,116
Facility: Along 4th St and P St SW		STBG	83/17/0	500 a				4,616 c		5,116	
From: First St SW											
To: M St SW											
Total Funds:										5,116	

Description: Design and Construction of street light upgrade. Existing street lights are old and inefficient and will be replaced with LED efficient lights, new manholes, new poles and new cable and conduits.

TIP ID: 6638 Agency ID:		Title: 16th St NW Transit Priority					Complete: 2024		Total Cost:		\$9,000
Facility: 16th St NW		CMAQ	80/20/0	1,000 a						1,000	
From: H St NW											
To: Arkansas Ave NW											
Total Funds:										1,000	

Description: The purpose of the Proposed Action is to improve transit performance and reliability along with pedestrian crossings, bus stops, and sidewalks along 16th Street NW between H Street NW and Arkansas Avenue NW. 16th Street is a multimodal corridor and the purpose of the project is to move more people through the corridor quickly to meet the existing and long-term regional mobility and local accessibility needs for residents and the traveling public within the project area.

TIP ID: 6639 Agency ID:		Title: Chestnut St from Western Ave to Oregon Ave NW Sidewalk					Complete:		Total Cost:		
Facility:		STBG	83/17/0	3,482 c						3,482	
From:											
To:											
Total Funds:										3,482	

Description: This project is to design new sidewalks on Chestnut Street, NW from Western Avenue to Oregon Avenue which is half a mile long with 40 ft. wide roadway. Currently there is no sidewalk on either side of the street and this has been a problem for pedestrians in the neighborhood. The project will tie into existing sidewalk on the southeast side of Western Avenue and proposed sidewalk on the western side of Oregon Avenue.

Amended and Modified as of
2/4/2019

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		Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 6640	Agency ID:	Title: Clean Air Partners					Complete:		Total Cost:		\$358
Facility: Citywide		CMAQ	80/20/0		75 a	57 a	57 a	57 a	57 a	57 a	360
From:											
To:		Total Funds: 360									
Description: Clean Air Partners has strive to improve public health and the environment by working with businesses, organizations and individuals throughout the region to raise awareness and reduce air pollution through voluntary actions.											


Modification: Funding Increase **Approved on: 1/11/2019**
Increase CMAQ funding in 2019 for PE by \$18k.

TIP ID: 6641	Agency ID:	Title: Cleveland Park Watershed					Complete:		Total Cost:		
Facility:		STBG	83/17/0		600 a						600
From:											
To:		Total Funds: 600									
Description: This project is to reduce flooding experienced at the Cleveland Park metro station and surrounding area. The project will involve building stormwater facilities that manage runoff before it reaches the areas prone to flooding.											

TIP ID: 6642	Agency ID:	Title: I-66 and Rock Creek Parkway Ramp Study					Complete: 2027		Total Cost:		\$8,000
Facility:		State	0/100/0		540 d						540
From:											
To:		STBG	83/17/0		1,000 d						1,000
											Total Funds: 1,540

Description: There are several transportation needs in this area that need to be considered holistically: - ANC 2A requested a feasibility study to connect the terminus of I-66 to the Rock Creek Parkway. - As part of the Union Station to Georgetown Streetcar EA, a loop ramp from westbound K Street NW to southbound 27th Street NW was proposed to improve traffic operations. The new right turn ramp that would go under the existing K Street Bridge adjacent to the I-66/Whitehurst Freeway ramp. - The K Street bridge over the ramp to the Whitehurst Freeway is in need of rehabilitation. This planning study/environmental process would examine the impacts and implications of these connections on motorists, as well as upon multimodal users and the surrounding built and natural environment. The findings would inform the scope of the upcoming K Street Bridge rehabilitation work.

Modification: Funding increase and phase change **Approved on: 11/26/2018**
Increase State/DC funding in 2019 for study by \$40k; Change phase for all funding from PE to Study

TIP ID: 6643	Agency ID:	Title: K St and Water St NW Trail Connection					Complete:		Total Cost:		\$250
Facility:		NPS	80/20/0		250 a						250
From:											
To:		Total Funds: 250									
Description: Study and compliance of an off street trail connection and bridge between the Capital Crescent Trail and the Rock Creek Trail. 											

Amended and Modified as of
2/4/2019

**DISTRICT OF COLUMBIA
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CAPITAL COSTS (in \$1,000)**

		Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 6644	Agency ID:	Title: LED Signage Procurement and Installation					Complete:		Total Cost:		
Facility:		NHPP	83/17/0		360 c	360 c	360 c	360 c	360 c	360 c	2,160
From:											
To:		STBG	83/17/0		240 c	240 c	240 c	240 c	240 c	240 c	1,440
Total Funds:											3,600

Description: Procurement and installation of LED signage and intelligent warning systems (flashing pedestrian signs, driver feedback machines, etc.). Signs will be procured, installed, and maintained by Field Operations Branch.

TIP ID: 6657	Agency ID:	Title: New York Ave NE Bridge over Anacostia River					Complete: 2020		Total Cost:		\$800
Facility: New York Avenue NE		NHPP	83/17/0	800 a							
From:											
To:											

Description: This project will include inspections and preliminary design work to assess the need for future rehabilitation and preventive maintenance on the bridge.

TIP ID: 6658	Agency ID:	Title: S St from 4th St to 7th St NW Revitalization					Complete: 2020		Total Cost:		\$400
Facility: S St NW		STBG	83/17/0	400 a							
From: 4th St NW											
To: 7th St NW											

Description: This project will assess the feasibility of roadway surface, safety, and streetscape improvements.

SUBURBAN MARYLAND

**SUBURBAN MARYLAND
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MDOT/State Highway Administration

Areawide Bridge Replacement and Rehabilitation	TIP ID:	3081	Agency ID: AWBR
Areawide Congestion Management	TIP ID:	3085	Agency ID: AWCM
Areawide Environmental Projects	TIP ID:	3038	Agency ID: AWEN
Areawide Resurfacing and Rehabilitation	TIP ID:	3082	Agency ID: AWRR
Areawide Safety and Spot Improvements	TIP ID:	3084	Agency ID: AWSS
Areawide Transportation Alternatives	TIP ID:	2710	Agency ID: AWTA
Areawide Urban Reconstruction	TIP ID:	3083	Agency ID: AWUR
Commuter Connections Program	TIP ID:	3566	Agency ID: AWCC
I-270 at Watkins Mill Road Interchange Construction	TIP ID:	3044	Agency ID: MO3511
I-270 Innovative Congestion Management	TIP ID:	6444	Agency ID: MO0691
I-495 and I-270 P3 Project (Traffic Relief Plan)	TIP ID:	6432	Agency ID: AW0731
I-70/US 40 at MD 144FA, Meadow Road, and Old National Pike Interchang	TIP ID:	6411	Agency ID: FR5801
I-95/I-495 at Greenbelt Metro Station Interchange Construction	TIP ID:	2894	Agency ID: PG3331
I-95/I-495 Good Luck Road Bridges Replacement	TIP ID:	6656	Agency ID: PG7752
I-95/I-495 MD 214 Bridges Replacement	TIP ID:	6522	Agency ID: PG1272
I-95/I-495 MD 4 Bridges Replacement	TIP ID:	6651	Agency ID: PG0191
I-95/I-495 MD 414 Bridges Replacement	TIP ID:	6655	Agency ID: PG7751
I-95/I-495 Suitland Parkway Bridges Replacement	TIP ID:	6438	Agency ID: PG6982
I-95/I-495 Suitland Road Bridges Replacement	TIP ID:	6437	Agency ID: PG6981
MD 180 Highway Reconstruction	TIP ID:	6489	Agency ID: FR6781
MD 185 at Jones Bridge Road and Kensington Parkway Phase 3 BRAC Int	TIP ID:	6071	Agency ID: MO5938
MD 197 Highway Reconstruction	TIP ID:	4887	Agency ID: PG6911
MD 210 at Kerby Hill Road/Livingston Road Interchange Construction	TIP ID:	4879	Agency ID: PG7001
MD 210 Corridor Study	TIP ID:	6524	Agency ID: PG2211
MD 210 Henson Creek Bridge Replacement	TIP ID:	6652	Agency ID: PG2402
MD 212A Urban Reconstruction	TIP ID:	6529	Agency ID: PG1061
MD 223 at Dower House Road Intersection Improvements	TIP ID:	6660	Agency ID: PG9341
MD 225 Mattawoman Creek Bridge Replacement	TIP ID:	6645	Agency ID: CH1681
MD 254 Neale Sound Bridge Replacement	TIP ID:	6603	Agency ID: CH2261
MD 26 Westbound Monocacy River Bridge Replacement	TIP ID:	6649	Agency ID: FR6991
MD 28/MD 198 Corridor Study	TIP ID:	3476	Agency ID: MO8861
MD 355 Bennett Creek Bridge Replacement	TIP ID:	6518	Agency ID: FR1321
MD 355 BRAC Highway Improvements	TIP ID:	6122	Agency ID: MO5934
MD 355 CSX Old Main Line Subdivision Bridge Replacement	TIP ID:	6486	Agency ID: FR5591
MD 355 Little Bennett Creek Bridge Replacement	TIP ID:	6532	Agency ID: MO4271

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MD 355 Monocacy River Bridge Replacement	TIP ID:	6620	Agency ID: FR7051
MD 381 Timothy Branch Bridge Replacement	TIP ID:	6487	Agency ID: PG0461
MD 382 Charles Branch Bridge Replacement	TIP ID:	6646	Agency ID: PG0671
MD 4 at Suitland Parkway Interchange Construction	TIP ID:	3547	Agency ID: PG6181
MD 4 Race Track Road Bridges Replacement	TIP ID:	6653	Agency ID: PG2582
MD 450 Highway Reconstruction	TIP ID:	3150	Agency ID: PG6541
MD 464 Little Catoctin Creek Bridge Replacement	TIP ID:	6619	Agency ID: FR6541
MD 478 Potomac River Branch Bridge Replacement	TIP ID:	6591	Agency ID: FR1021
MD 5 at Linda Lane Intersection Improvements	TIP ID:	6395	Agency ID: PG5971
MD 5 at MD 373 and Brandywine Road Interchange Construction	TIP ID:	4882	Agency ID: PG1751
MD 500 at Mount Rainier/Chillum Urban Reconstruction	TIP ID:	6590	Agency ID: PG3641
MD 717 Western Branch Bridge Replacement	TIP ID:	6654	Agency ID: PG7201
MD 77 Beaver Branch Bridge Replacement	TIP ID:	6648	Agency ID: FR1541
MD 85 Phase 1 Highway Reconstruction	TIP ID:	6483	Agency ID: FR3881
MD 97 at Brookeville Highway Construction	TIP ID:	3106	Agency ID: MO7461
MD 97 at Montgomery Hills Highway Reconstruction	TIP ID:	5420	Agency ID: MO2241
MD 97 at Randolph Road Interchange Construction	TIP ID:	3104	Agency ID: MO8541
Riverdale Road Anacostia River Branch Bridge Replacement	TIP ID:	6647	Agency ID: PG9671
US 1 Highway Reconstruction	TIP ID:	3108	Agency ID: PG6241
US 15 at Monocacy Boulevard Interchange Construction	TIP ID:	4892	Agency ID: FR5711
US 15/US 40 Frederick Freeway Highway Reconstruction	TIP ID:	6431	Agency ID: FR1881
US 301 at MD 228/MD 5BU Interchange Construction	TIP ID:	4881	Agency ID: CH2031
US 301 at MD 5 Interchange Construction	TIP ID:	6635	Agency ID: CH2032
US 40AL Urban Reconstruction	TIP ID:	6488	Agency ID: FR3501

MDOT/Maryland Transportation Authority

Governor Harry W. Nice Bridge Improvement Project	TIP ID:	5527	Agency ID:
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MDOT/Maryland Transit Administration

Large Urban Systems - Capital	TIP ID:	2713	Agency ID: 0892/0893
Large Urban Systems - Preventive Maintenance	TIP ID:	6147	Agency ID:
Low or No Emission Grant Program	TIP ID:	6666	Agency ID:
MARC Improvements	TIP ID:	6400	Agency ID:
MARC Rolling Stock Overhauls and Replacements	TIP ID:	6401	Agency ID:
Purple Line	TIP ID:	2795	Agency ID:
Ridesharing - Statewide Program	TIP ID:	3760	Agency ID:
Rural Transit - Operating Assistance	TIP ID:	2853	Agency ID: Part of 0218
Seniors and Individuals with Disabilities	TIP ID:	6440	Agency ID:

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Small Urban Systems - Capital	TIP ID:	3012	Agency ID: Part of 0217
Small Urban Transit Systems - Operating Assistance	TIP ID:	2594	Agency ID: Part of 0217
US 29 Bus Rapid Transit Improvements Project	TIP ID:	6397	Agency ID: MO4622

Charles County

Poplar Hill Road Bridge over Zekiah Swamp Run	TIP ID:	6582	Agency ID:
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Frederick County

Planning, Design & Construction	TIP ID:	5495	Agency ID: F3
Study, Design, ROW, & Construction	TIP ID:	5494	Agency ID:
Study, Design, ROW, Construction, Inspection & Training	TIP ID:	3173	Agency ID: F3

Montgomery County

ADA Compliance Transportation Access	TIP ID:	3068	Agency ID: P509325
Advanced Transportation Management System	TIP ID:	3065	Agency ID: P509399
Annual Bikeway Program	TIP ID:	3066	Agency ID: P507596
Beach Drive Bridge M-PK-24001	TIP ID:	5912	Agency ID: P509132
Bethesda CBD Streetscape	TIP ID:	5943	Agency ID: P500102
Bethesda Metro South Entrance	TIP ID:	5560	Agency ID: P500929
Bicycle and Pedestrian Priority Area Improvements	TIP ID:	6365	Agency ID: P501532
Bridge Preservation Program	TIP ID:	5971	Agency ID: P500313
Bridge Renovation	TIP ID:	5972	Agency ID: P509753
Brink Road Bridge M-0064001	TIP ID:	5913	Agency ID: P509132
Burtonsville Access Road	TIP ID:	3498	Agency ID: P500500
Bus Stop Improvement Program	TIP ID:	3063	Agency ID: P507658
Capital Crescent Trail	TIP ID:	6015	Agency ID: P501316
Clarksburg Transportation Connections	TIP ID:	6020	Agency ID: P501315
Dennis Avenue Bridge Replacement M-0194	TIP ID:	6608	Agency ID: 501701
East Gude Drive Roadway Improvements	TIP ID:	6018	Agency ID: P501309
Falls Road East Side Hiker/Biker Path	TIP ID:	3429	Agency ID: P500905
Frederick Road Bike Path: Stringtown to Milestone Manor	TIP ID:	6063	Agency ID: P501118
Garrett Park Road Bridge M-PK-04001	TIP ID:	5916	Agency ID: P509132
Gold Mine Road Bridge	TIP ID:	5917	Agency ID: P501302
Goshen Road South	TIP ID:	3049	Agency ID: P501107
Intersection & Spot Improvements	TIP ID:	5980	Agency ID: P507017
Low or No Emissions FTA Electric Bus grant	TIP ID:	6616	Agency ID:
MacArthur Boulevard Bikeway Improvements	TIP ID:	5729	Agency ID: P500718
MD 355 Phase 2 Highway Reconstruction	TIP ID:	3542	Agency ID: P500717
Metropolitan Branch Trail	TIP ID:	5942	Agency ID: P501110

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Montrose Parkway East	TIP ID:	3703	Agency ID: P500717
Mouth of Monocacy Road Bridge Replacement	TIP ID:	6584	Agency ID: M-0043
Needwood Road Bikepath	TIP ID:	6016	Agency ID: P501304
Neighborhood Traffic Calming	TIP ID:	5981	Agency ID: P509523
Park Valley Road Bridge M-PK-03001	TIP ID:	5918	Agency ID: P501523
Pedestrian Safety Program	TIP ID:	3642	Agency ID: P500333
Resurfacing: Primary / Arterial	TIP ID:	5974	Agency ID: P508527
Ride On Bus Fleet	TIP ID:	3072	Agency ID: P500821
Seminary Road Intersection Improvement	TIP ID:	6019	Agency ID: P501307
Seven Locks Bikeway & Safety Improvements	TIP ID:	6017	Agency ID: P501303
Sidewalk & Curb Replacement	TIP ID:	5975	Agency ID: P508182
Sidewalk Program - Minor Projects	TIP ID:	3067	Agency ID: P506747
Silver Spring Green Trail	TIP ID:	3125	Agency ID: P509975
Snouffer School Road North	TIP ID:	3062	Agency ID: P501119
Snouffer School Road: Sweet Autumn Dr. to Centerway Rd	TIP ID:	6064	Agency ID: P501109
Streetlight Enhancements - CBD / Town Center	TIP ID:	5982	Agency ID: P500512
Traffic Signal System Modernization	TIP ID:	3648	Agency ID: P500704
Traffic Signals	TIP ID:	6065	Agency ID: P507154
Transportation Improvements for Schools	TIP ID:	6364	Agency ID: P509036
White Flint District West: Transportation & West Workaround	TIP ID:	5986	Agency ID: P501116 & P50150
White Flint Traffic Analysis and Mitigation	TIP ID:	5987	Agency ID: P501202
Zion Road Bridge M-0121 over Hawlings River	TIP ID:	6667	Agency ID:

Prince George's County

Addison Road I	TIP ID:	6367	Agency ID:
Auth Road II	TIP ID:	5608	Agency ID:
Bridge Replacement - Livingston Road	TIP ID:	5806	Agency ID:
Bridge Replacement, Federal Aid	TIP ID:	5401	Agency ID:
Bus Mass Transit/ Metro Access 2	TIP ID:	6375	Agency ID:
Cherry Hill Road III	TIP ID:	6369	Agency ID:
Contee Road	TIP ID:	3114	Agency ID:
Coounty Revitalization & Restoration 2	TIP ID:	6023	Agency ID:
Curb and Road rehabilitation II	TIP ID:	5609	Agency ID:
Developer Contribution Projects	TIP ID:	6024	Agency ID:
Governor's Bridge Road Bridge Reconstruction	TIP ID:	6509	Agency ID:
Green/Complete Street Improvements	TIP ID:	6003	Agency ID:
Modification of ADA Rights of Way County-Wide	TIP ID:	6012	Agency ID:

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Oxon Hill Road Widening	TIP ID:	4912	Agency ID:
Pedestrian Safety Improvements	TIP ID:	6370	Agency ID:
Planning and site acquisition 2	TIP ID:	6371	Agency ID:
School Access Project	TIP ID:	6026	Agency ID:
Street Lights and Traffic Signals 2	TIP ID:	6372	Agency ID:
Sunnyside Avenue Bridge Replacement	TIP ID:	5808	Agency ID:
Traffic Congestion Improvements	TIP ID:	6373	Agency ID:
Transportation Enhancements 2	TIP ID:	6374	Agency ID:

Amended and Modified as of
2/4/2018

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CAPITAL COSTS (in \$1,000)**

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

TIP ID: 2710	Agency ID: AWTA	Title: Areawide Transportation Alternatives	Complete:	Total Cost:	\$19,000
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Facility: Areawide	State		150 a	150 a	100 a	100 a	3,840
From:			40 b	40 b	40 b	40 b	
To:			800 c	800 c	500 c	500 c	
<hr/>							
	STBG 9		600 a	600 a	400 a	400 a	15,360
			160 b	160 b	160 b	160 b	
			3,200 c	3,200 c	2,000 c	2,000 c	
<hr/>							
Total Funds:							19,200

Description: Ongoing program to expand travel choices and enhance the transportation experience by improving the cultural, historic, and environmental aspects of Maryland's transportation infrastructure. These projects may include but are not limited to pedestrian and/or bicycle facilities; rehabilitation of historic transportation facilities, including railroad facilities and canals; conversion and use of abandoned railway corridors; archaeological activities related to transportation impacts; and mitigation of water pollution due to highway runoff. This program includes also Safe Routes to School and National Recreational Trails projects.

TIP ID: 2894	Agency ID: PG3331	Title: I-95/I-495 at Greenbelt Metro Station Interchange Construction	Complete: 2030	Total Cost:	\$171,000
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Facility: I 95 at Greenbelt Metro Station	HPP		1,000 a				
From:	NHPP		7,828 a	200 a			200
To:	State		3,440 a	56 a			56
			129 b				
			824 c				
<hr/>							
Total Funds:							256

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

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**SUBURBAN MARYLAND
FY 2019-2024 TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3038 Agency ID: AWEN		Title: Areawide Environmental Projects			Complete:		Total Cost: \$162,000
Facility: Areawide	HSIP		90 a	90 a	72 a	72 a	2,106
From:			9 b	9 b	9 b	9 b	
To:			360 c	360 c	270 c	270 c	
	NHPP		480 a	480 a	360 a	360 a	5,856
			16 b	16 b	16 b	16 b	
			800 c	800 c	600 c	600 c	
	State		430 a	430 a	338 a	338 a	32,162
			9 b	9 b	9 b	9 b	
			10,240 c	7,240 c	4,180 c	4,180 c	
	STBG 9		1,200 a	1,200 a	960 a	960 a	121,856
			16 b	16 b	16 b	16 b	
			40,000 c	28,000 c	16,000 c	16,000 c	
Total Funds:							161,980

Description: Ongoing program to provide environmental and aesthetic improvements on MDOT SHA highways. These are non-capacity improvements that may include but are not limited to noise abatement, wetlands, reforestation, landscaping, scenic beautification, and pedestrian or bicycle facilities.

TIP ID: 3044 Agency ID: MO3511		Title: I-270 at Watkins Mill Road Interchange Construction			Complete: 2021		Total Cost: \$120,000
Facility: I 270 at Watkins Mill Road	Local		4,900 a				
From:	NHPP		5,576 a	809 b	600 b	1,211 b	2,620
To:			7,196 b				
	State		1,314 a	26,249 c	27,230 c	15,616 c	69,095
			8 b				
			28,953 c				
Total Funds:							71,715

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

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CAPITAL COSTS (in \$1,000)**

Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3081 Agency ID: AWBR		Title: Areawide Bridge Replacement and Rehabilitation				Complete:	Total Cost:	\$100,000
Facility: Areawide	NHPP			800 a	800 a	640 a	640 a	19,200
From:				160 b	160 b	160 b	160 b	
To:				3,200 c	3,200 c	2,400 c	2,400 c	
<hr/>								
	State			1,800 a	1,800 a	1,760 a	1,160 a	20,040
				80 b	80 b	80 b	80 b	
				2,300 c	2,300 c	1,800 c	1,800 c	
<hr/>								
	STBG 9			6,400 a	6,400 a	6,400 a	4,000 a	60,960
				160 b	160 b	160 b	160 b	
				6,000 c	6,000 c	4,800 c	4,800 c	
Total Funds:								100,200

Description: Ongoing program to provide major upgrades to and maintenance of structures on MDOT SHA highways. These are non-capacity improvements that may include but are not limited to structural replacements, deck rehabilitation, superstructure replacements, parapet reconstruction, cleaning and painting, and general maintenance.

TIP ID: 3082 Agency ID: AWRR		Title: Areawide Resurfacing and Rehabilitation				Complete:	Total Cost:	\$286,000
Facility: Areawide	HSIP			18 a	18 a	18 a	18 a	8,262
From:				9 b	9 b	9 b	9 b	
To:				1,800 c	1,800 c	1,350 c	1,350 c	
<hr/>								
	NHPP			480 a	480 a	360 a	360 a	146,640
				80 b	80 b	80 b	80 b	
				48,000 c	48,000 c	24,000 c	12,000 c	
<hr/>								
	State			242 a	242 a	182 a	182 a	56,238
				41 b	41 b	41 b	41 b	
				18,200 c	18,200 c	9,150 c	4,150 c	
<hr/>								
	STBG 9			480 a	480 a	360 a	360 a	74,640
				80 b	80 b	80 b	80 b	
				24,000 c	24,000 c	12,000 c	4,000 c	
Total Funds:								285,780

Description: Ongoing program to provide periodic resurfacing and upgrading or auxiliary features on MDOT SHA highways. These are non-capacity improvements that may include but are not limited to milling, patching, sealing, and resurfacing of existing deteriorated MDOT SHA roadways. Other improvements, including ADA improvements and guardrails, may be included where incidental to other resurfacing improvements.

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CAPITAL COSTS (in \$1,000)**

Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3083 Agency ID: AWUR		Title: Areawide Urban Reconstruction			Complete:		Total Cost:	\$32,000
Facility: Areawide	NHPP			160 a	160 a	160 a	160 a	9,720
From:				20 b	20 b	20 b	20 b	
To:				2,400 c	2,400 c	1,440 c	1,440 c	
<hr/>								
	State			80 a	80 a	80 a	80 a	6,300
				10 b	10 b	10 b	10 b	
				1,600 c	1,600 c	960 c	960 c	
<hr/>								
	STBG 9			160 a	160 a	160 a	160 a	15,480
				20 b	20 b	20 b	20 b	
				4,000 c	4,000 c	2,400 c	2,400 c	
Total Funds:								31,500

Description: Ongoing program to provide roadway rehabilitation on MDOT SHA highways in municipalities and urban areas. These are non-capacity improvements that may include but are not limited to drainage improvements, curbs and gutters, pavement milling and resurfacing, sidewalks, streetscaping, signage, and marking and lighting improvements.

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CAPITAL COSTS (in \$1,000)**

Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3084 Agency ID: AWSS		Title: Areawide Safety and Spot Improvements				Complete:	Total Cost:	\$135,000
Facility: Areawide	CMAQ			200 a	200 a	150 a	150 a	12,460
From:				10 b	10 b	10 b	10 b	
To:				5,000 c	2,500 c	1,000 c	1,000 c	
	HSIP			450 a	450 a	360 a	360 a	9,180
				90 b	90 b	90 b	90 b	
				1,350 c	1,350 c	1,080 c	1,080 c	
	NHPP			960 a	960 a	800 a	800 a	41,280
				80 b	80 b	80 b	80 b	
				8,000 c	8,000 c	6,000 c	6,000 c	
	State			790 a	790 a	640 a	640 a	23,460
				50 b	50 b	50 b	50 b	
				4,550 c	4,550 c	3,220 c	3,220 c	
	STBG 9			2,000 a	2,000 a	1,600 a	1,600 a	48,480
				80 b	80 b	80 b	80 b	
				9,600 c	9,600 c	6,400 c	6,400 c	

Total Funds: 134,860

Description: Ongoing program to provide localized improvements to address safety and/or operational issues on MDOT SHA highways. These are highway improvements that may include but are not limited to bypass lanes, acceleration and deceleration lanes, turn lanes, rail crossings, intersection realignment, geometric improvements, safety improvements including bridge, bicycle, and pedestrian safety improvements, pavement markers, ADA improvements, guardrails, and roundabouts. Other improvements, including slope repairs, drainage improvements, and joint sealing, may be included where incidental to other safety improvements.

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CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3085 Agency ID: AWCM Title: Areawide Congestion Management			Complete:			Total Cost:	\$71,000
Facility: Areawide	CMAQ		500 a	500 a	400 a	400 a	4,860
From:			10 b	10 b	10 b	10 b	
To:			500 c	500 c	400 c	400 c	
<hr/>							
	NHPP		640 a	640 a	400 a	400 a	7,224
			4 b	4 b	4 b	4 b	
			960 c	960 c	800 c	800 c	
<hr/>							
	State		1,160 a	1,160 a	800 a	800 a	13,218
			3 b	3 b	3 b	3 b	
			1,840 c	1,840 c	1,400 c	1,400 c	
<hr/>							
	STBG 9		4,000 a	4,000 a	2,800 a	2,800 a	45,648
			8 b	8 b	8 b	8 b	
			6,400 c	6,400 c	4,800 c	4,800 c	
Total Funds:							70,950

Description: Ongoing program to provide traffic control, management, and monitoring on MDOT SHA highways. These are non-capacity improvements that may include but are not limited to variable message signs, video for traffic management (CCTV), traffic management detectors, signal systemization and remote timing, permanent congestion monitoring systems employed by the CHART program, deployment of local jurisdiction intelligent transportation system (ITS) projects, and the development of park-and-ride facilities.

TIP ID: 3104 Agency ID: MO8541 Title: MD 97 at Randolph Road Interchange Construction			Complete: 2018			Total Cost:	\$80,000
Facility: MD 97 at Randolph Road	Local		13,354 b				
From:			3,922 c				
To:							
<hr/>							
	NHPP		303 b				
			30,356 c				
<hr/>							
	State		1,666 a	1,000 b	1,000 b	3,234 b	5,334
			4,432 b	100 c			
			9,842 c				
<hr/>							
	STBG 9		5,460 a				
			1,922 b				
			3,553 c				
Total Funds:							5,334

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

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CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3106 Agency ID: MO7461		Title: MD 97 at Brookeville Highway Construction			Complete: 2021 Total Cost:		\$48,000
Facility: MD 97	Local	8,723 a	200 b				200
From: Gold Mine Road		414 b					
To: North of Brookeville							
	NHPP	1,594 a					
	State	470 a	204 b	84 b	7,409 c		35,941
		61 b	10,348 c	17,896 c			
		222 c					
Total Funds:							36,141

Description: Construction of new two-lane MD 97 from south of Brookeville, near Gold Mine Road, to north of Brookeville.

TIP ID: 3108 Agency ID: PG6241		Title: US 1 Highway Reconstruction			Complete: 2024 Total Cost:		\$44,000
Facility: US 1	NHPP	6,673 a	1,098 a	605 b	605 b	605 b	27,534
From: College Avenue			454 b	6,030 c	7,137 c	8,251 c	
To: MD 193			1,993 c				
	State	403 a	114 a	171 b	171 b	171 b	7,593
		1,674 b	148 b	1,701 c	2,013 c	2,327 c	
			563 c				
Total Funds:							35,127

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

TIP ID: 3150 Agency ID: PG6541		Title: MD 450 Highway Reconstruction			Complete: 2030 Total Cost:		\$61,000
Facility: MD 450	State	312 a	97 a				97
From: Stonybrook Drive							
To: West of MD 3	STBG 9	1,189 a	138 a				138
Total Funds:							235

Description: Widening of MD 450 to a multilane divided highway from Stonybrook Drive to west of MD 3.

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CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3476 Agency ID: MO8861		Title: MD 28/MD 198 Corridor Study				Complete: 2045	Total Cost: \$262,000
Facility: MD 28 Norbeck Road and MD 198	State	4,056 a	300 a				300
From: MD 97							
To: I 95	STBG 9	3,207 a					
Total Funds:							300

Description: A study examining capacity improvements in the MD 28/MD 198 corridor between MD 97 and I-95.

Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3547 Agency ID: PG6181		Title: MD 4 at Suitland Parkway Interchange Construction				Complete: 2020	Total Cost: \$131,000
Facility: MD 4 at Suitland Parkway	HPP	3,964 c	4,187 c	4,601 c	5,998 c		14,786
From:	NHFP	4,000 c	2,816 c	2,816 c	2,816 c		8,448
To:	NHPP	7,088 a	11,871 c	13,325 c	18,222 c		43,418
		8,556 b					
		9,906 c					
	State	5,239 a	7,073 b	4,693 b	1,945 c		16,604
		5,596 b	1,380 c	1,513 c			
		3,847 c					
Total Funds:							83,256

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

Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3566 Agency ID: AWCC		Title: Commuter Connections Program				Complete:	Total Cost: \$21,000
Facility: Areawide	State		3,161 e	3,265 e	3,553 e	3,434 e	20,622
From:							
To:							
Total Funds:							20,622

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.

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Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 4879 Agency ID: PG7001		Title: MD 210 at Kerby Hill Road/Livingston Road Interchange Construction			Complete: 2020		Total Cost: \$118,000	
Facility: MD 210 at Kerby Hill Road/Livingston Road	HPP		4,449 a					
From:								
To:	NHPP		32 a	1,641 b	1,504 b			49,548
			1,324 b	41,901 c	4,502 c			
			39,439 c					
	State		1,211 a	640 a	376 b			4,495
			8,202 b	753 b	264 c			
			8,880 c	2,462 c				
	STBG 9		32 a					
Total Funds:								54,043

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

TIP ID: 4881 Agency ID: CH2031		Title: US 301 at MD 228/MD 5BU Interchange Construction			Complete: 2030		Total Cost: \$140,000	
Facility: US 301 at MD 228/MD 5BU	NHPP		7,909 a	83 a	450 a			533
From:								
To:	State		3,871 a	517 a	330 a	238 a		1,085
Total Funds:								1,618

Description: A study examining alternatives for a grade separated interchange at US 301 at MD 228/MD 5 Business.

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		Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 4882 Agency ID: PG1751		Title: MD 5 at MD 373 and Brandywine Road Interchange Construction				Complete: 2019		Total Cost: \$56,000	
Facility: MD 5 at MD 373 and Brandywine Road		HPP		4,631 a					
From:				7,307 c					
To:									
		Local		792 c	2,632 c	1,685 c			4,317
		NHPP		728 b	176 b	6,979 c			15,924
				8,486 c	8,769 c				
		State		1,668 a	583 b	445 b			1,767
				4,030 b	412 c	327 c			
				5,443 c					
		STBG 9		411 a					
		TCSP		160 a					
				247 b					
Total Funds:									22,008

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: 4887 Agency ID: PG6911		Title: MD 197 Highway Reconstruction				Complete: 2025		Total Cost: \$91,000	
Facility: MD 197		State		3,825 a	2,700 a	2,500 a	2,125 a	1,000 a	8,325
From: Kenhill Drive									
To: MD 450									
Total Funds:									8,325

Description: Widening of and upgrades to MD 197 to become a multilane freeway between Kenhill Drive and MD 450.

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Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 4892 Agency ID: FR5711		Title: US 15 at Monocacy Boulevard Interchange Construction				Complete: 2018		Total Cost: \$73,000
Facility: US 15 at Monocacy Boulevard/Christopher's	Local		3,009 a					
From:	NHPP		432 a					
To:			23,138 b					
	PL		226 a					
	State		806 a	204 b	136 b			5,130
			7,101 b	4,790 c				
			32,985 c					
	TCSP		553 a					
Total Funds:								5,130

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

TIP ID: 5420 Agency ID: MO2241		Title: MD 97 at Montgomery Hills Highway Reconstruction				Complete: 2025		Total Cost: \$52,000
Facility: MD 97	Local		3,044 a					
From: MD 390	State		420 a	580 a				580
To: MD 192								
Total Funds:								580

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

TIP ID: 6071 Agency ID: MO5938		Title: MD 185 at Jones Bridge Road and Kensington Parkway Phase 3 BRAC I				Complete: 2020		Total Cost: \$17,000
Facility: MD 185 at Jones Bridge Road and Kensington	OEA		6,561 b	600 b	370 b	1,186 b		10,922
From:				1,512 c	4,405 c	2,849 c		
To:	State		3 b					
Total Funds:								10,922

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

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CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6122 Agency ID: MO5934		Title: MD 355 BRAC Highway Improvements			Complete: 2020		Total Cost: \$4,300
Facility: MD 355	OEA	752 c	2,393 c	1,149 c			3,542
From: Woodmont Avenue/Glenbrook Parkway							
To: South Wood Road/South Drive	State	5 c	1 c	1 c			2
Total Funds:							3,544

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 constructed in conjunction 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: 6395 Agency ID: PG5971		Title: MD 5 at Linda Lane Intersection Improvements			Complete: 2030		Total Cost: \$46,000
Facility: MD 5 at Linda Lane	NHPP	366 a	742 a	793 a	677 a	480 a	2,692
From:							
To:	State	42 a					
Total Funds:							2,692

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



TIP ID: 6411 Agency ID: FR5801		Title: I-70/US 40 at MD 144FA, Meadow Road, and Old National Pike Interchan			Complete: 2024		Total Cost: \$21,000
Facility: I 70 at MD 144FA	Local	3,300 b				4,250 c	8,500
From:		6,500 c					
To:	PRIV	2,900 a					
	State	252 a					
Total Funds:							8,500

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.




TIP ID: 6431 Agency ID: FR1881		Title: US 15/US 40 Frederick Freeway Highway Reconstruction			Complete: 2030		Total Cost: \$141,000
Facility: US 15 /US 40	State	2,502 a	1,400 a	1,265 a	1,081 a		3,746
From: I 70							
To: MD 26							
Total Funds:							3,746


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

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CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6432 Agency ID: AW0731		Title: I-495 and I-270 P3 Project (Traffic Relief Plan)			Complete: 2025		Total Cost: \$7,600,000
Facility: I 270 /I 270Y /I 495	State	8,000 a	27,500 a	40,000 a	43,960 a	18,000 a	129,460
From:							
To:							Total Funds: 129,460
Description: Planning activities in support of the Traffic Relief Plan Phase 1, which will implement express toll lanes along I-270, between I-495 and I-70, and I-495, between the American Legion and Woodrow Wilson bridges.							

TIP ID: 6437 Agency ID: PG6981		Title: I-95/I-495 Suitland Road Bridges Replacement			Complete: 2020		Total Cost: \$36,000
Facility: I 95 /I 495 at Suitland Road	NHPP	1,448 a					
From:							
To:	State	429 a	10,138 c	10,021 c			20,159
		13,846 c					
							Total Funds: 20,159
Description: Replacement of I-95/I-495 bridges 1616205 and 1616206 and Suitland Road. 							

TIP ID: 6438 Agency ID: PG6982		Title: I-95/I-495 Suitland Parkway Bridges Replacement			Complete: 2021		Total Cost: \$41,000
Facility: I 95 /I 495 at Suitland Parkway	NHFP		1,500 c	1,500 c	6,057 c		9,057
From:							
To:	NHPP		8,006 c	13,051 c	5,743 c		26,800
	State	1,394 a	1,034 c	1,582 c	1,283 c		3,899
		2 c					
							Total Funds: 39,756
Description: Replacement of I-95/I-495 bridges 1616005 and 1616006 over Suitland Parkway. 							

TIP ID: 6444 Agency ID: MO0691		Title: I-270 Innovative Congestion Management			Complete: 2021		Total Cost: \$114,000
Facility: I 270	State	2,061 a	28,747 c	30,316 c	30,293 c		89,356
From: I 495		22,697 c					
To: I 70							
							Total Funds: 89,356
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). Includes requisite noise abatement.							

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Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total	
TIP ID: 6483 Agency ID: FR3881 Title: MD 85 Phase 1 Highway Reconstruction		Complete: 2021 Total Cost: \$86,000						
Facility: MD 85	HPP	2,068 a						
From: Crestwood Boulevard/Shockley Drive		2,234 c						
To: Spectrum Drive								
	Local	1,478 a						
	NHPP	451 a	2,388 b	796 b	12,728 c	10,946 c	49,729	
		597 b	10,306 c	12,565 c				
		3,455 c						
	State	2,603 a	1,397 b	897 b	2,961 c	2,553 c	13,126	
		8,805 b	2,395 c	2,923 c				
		1,392 c						

Total Funds: 62,855

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.

TIP ID: 6486 Agency ID: FR5591 Title: MD 355 CSX Old Main Line Subdivision Bridge Replacement		Complete: 2019 Total Cost: \$14,000				
Facility: MD 355 at CSX Old Main Line Subdivision	State	522 a	246 b	246 b	184 b	9,387
From:		74 b	4,557 c	3,368 c	786 c	
To:		2,588 c				
	STBG 9	1,348 a				

Total Funds: 9,387

Description: Replacement of MD 355 bridge 10084 over the CSX Old Main Line Subdivision.



TIP ID: 6487 Agency ID: PG0461 Title: MD 381 Timothy Branch Bridge Replacement		Complete: 2018 Total Cost: \$3,600				
Facility: MD 381 at Timothy Branch	State	870 a	1,434 c			1,434
From:		110 b				
To:		1,219 c				

Total Funds: 1,434

Description: Replacement of MD 381 bridge 1630500 over Timothy Branch.



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

Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6488 Agency ID: FR3501		Title: US 40AL Urban Reconstruction			Complete: 2019		Total Cost: \$18,000
Facility: US 40 AL	Local	1,419 c	2,381 c				2,381
From: Ivy Hill Road	NHPP	6,487 c	3,847 c				3,847
To: Middletown Parkway	State	1,859 a 235 b	54 b	41 b 46 c	15 c		156
	STBG 9	1,603 a					
Total Funds:							6,384

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



TIP ID: 6489 Agency ID: FR6781		Title: MD 180 Highway Reconstruction			Complete: 2020		Total Cost: \$18,000
Facility: MD 180	State	2,380 a	578 a	29 b	29 b	10 b	4,040
From: I-70 (Western Crossing)		33 b	29 b	1,189 c	1,346 c	542 c	
To: I-70 (Eastern Crossing)			288 c				
	STBG 9		1,021 c	4,216 c	4,771 c	1,920 c	11,928
Total Funds:							15,968

Description: Reconstruct MD 180 from 600 feet north of the western crossing of I-70 to the eastern crossing of I-70, including constructing second MD 180 bridge over US 15/US 340.



TIP ID: 6518 Agency ID: FR1321		Title: MD 355 Bennett Creek Bridge Replacement			Complete: 2020		Total Cost: \$17,000
Facility: MD 355 at Bennett Creek	State	743 a	96 a	1,304 c	687 c		3,305
From:		3 c	426 b				
To:			792 c				
	STBG 9	1,812 a	244 a 2,880 c	4,906 c	2,869 c		10,899
Total Funds:							14,204

Description: Replacement of MD 355 bridge 10086 over Bennett Creek.

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CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6522 Agency ID: PG1272 Title: I-95/I-495 MD 214 Bridges Replacement			Complete: 2021		Total Cost: \$36,000		
Facility: I 95 /I 495 at MD 214	NHFP		1,925 c	1,672 c	1,672 c		5,269
From:							
To:	NHPP		4,918 c	12,111 c	5,002 c		22,031
	State	1,294 a	1,930 c	3,888 c	1,882 c		7,700
Total Funds:							35,000

Description: Replacement of I-95/I-495 bridges 1615305 and 1615306 over MD 214.

TIP ID: 6524 Agency ID: PG2211 Title: MD 210 Corridor Study			Complete: 2040		Total Cost: \$456,000		
Facility: MD 210	NHPP	1 a		2,523 a	2,553 a	2,554 a	10,184
From: I 95							
To: MD 228	State	3,058 a					
		982 b					
Total Funds:							10,184

Description: Multimodal transportation study to relieve traffic congestion along MD 210 and improve intersections from I-95/I-495 to MD 228.

TIP ID: 6529 Agency ID: PG1061 Title: MD 212A Urban Reconstruction			Complete: 2020		Total Cost: \$19,000		
Facility: MD 212 A	State	145 a	537 b	491 b	317 b		2,772
From: Pine Street		2,100 b	151 c	893 c	383 c		
To: US 1	STBG 9	3,687 a	8 a	1,682 b	1,121 b		10,063
			1,542 b	3,572 c	1,531 c		
			607 c				
Total Funds:							12,835

Description: MD 212A reconstruction from Pine Street to US 1.

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CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6532 Agency ID: MO4271 Title: MD 355 Little Bennett Creek Bridge Replacement			Complete: 2020			Total Cost:	\$9,700
Facility: MD 355 at Little Bennett Creek	State	1,607 a	12 a	6 b	6 b	4 b	1,660
From:		23 b	26 b	863 c	304 c		
To:			439 c				
STBG 9		238 a	1,666 c	3,299 c	1,163 c		6,128
Total Funds:							7,788

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

TIP ID: 6590 Agency ID: PG3641 Title: MD 500 at Mount Rainier/Chillum Urban Reconstruction			Complete: 2021			Total Cost:	\$19,000
Facility: MD 500	State	3,842 a	487 b	487 b	122 b	272 c	3,161
From: MD 208		1,401 b	164 c	946 c	683 c		
To: Eastern Avenue							
STBG 9		2,943 b	578 c	3,357 c	2,423 c	962 c	7,320
Total Funds:							10,481

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

TIP ID: 6591 Agency ID: FR1021 Title: MD 478 Potomac River Branch Bridge Repalcement			Complete: 2019			Total Cost:	\$6,300
Facility: MD 478 at Potomac River Branch	NHPP	448 c	2,083 c	1,417 c			3,500
From:	State	471 a	27 b	27 b	32 b		1,074
To:		338 b	573 c	415 c			
		116 c					
STBG 9		348 a					
Total Funds:							4,574

Description: Replacement of MD 478 bridge 10089 over a branch of the Potomac River.

TIP ID: 6603 Agency ID: CH2261 Title: MD 254 Neale Sound Bridge Replacement			Complete: 2020			Total Cost:	\$17,000
Facility: MD 254 at Neale Sound	State	2,148 a	19 b	8 b	8 b	4 b	13,227
From:		81 b	7,636 c	5,552 c			
To:		1,634 c					
Total Funds:							13,227

Description: Replacement of MD 254 bridge 08038 over Neale Sound.



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Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6619 Agency ID: FR6541		Title: MD 464 Little Catoctin Creek Bridge Replacement			Complete: 2021		Total Cost: \$4,700
Facility: MD 464 at Little Catoctin Creek	State	315 a	3 b	1 b	1 b	1 b	802
From:		15 b	265 c	501 c	29 c		
To:	STBG 9	781 a	915 c	1,737 c	101 c		2,753
Total Funds:							3,555

Description: Replace bridge 10090 over Little Catoctin Creek.

TIP ID: 6620 Agency ID: FR7051		Title: MD 355 Monocacy River Bridge Replacement			Complete: 2024		Total Cost: \$2,400
Facility: MD 355 at the Monocacy River	State	14 a	122 a	145 a	145 a	49 a	461
From:							
To:	STBG 9	56 a	479 a	577 a	577 a	192 a	1,825
Total Funds:							2,286

Description: Replacement of MD 355 bridge 10085 over the Monocacy River.

TIP ID: 6635 Agency ID: CH2032		Title: US 301 at MD 5 Interchange Construction			Complete: 2024		Total Cost: \$54,000
Facility: US 301 at MD 5 (Mattawoman-Beantown Ro	NHPP	160 a					
From:							
To:	State		400 a	520 a	158 a		14,078
			13,000 c				
Total Funds:							14,078

Description: Construction of a new flyover interchange on US 301 at MD 5 (Mattawoman-Beantown Road).

TIP ID: 6645 Agency ID: CH1681		Title: MD 225 Mattawoman Creek Bridge Replacement			Complete: 2022		Total Cost: \$3,200
Facility: MD 225 at Mattawoman Creek	State	186 a	277 a	295 a	295 a	123 a	990
From:							
To:							
Total Funds:							990

Description: Replacement of MD 225 bridge 08022 over Mattawoman Creek.

TIP ID: 6646 Agency ID: PG0671		Title: MD 382 Charles Branch Bridge Replacement			Complete: 2022		Total Cost: \$4,200
Facility: MD 382 at Charles Branch	State	439 a	542 a	196 a			738
From:							
To:							
Total Funds:							738

Description: Replacement of MD 382 bridge 16061 over Charles Branch.

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Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6647 Agency ID: PG9671 Title: Riverdale Road Anacostia River Branch Bridge Replacement			Complete: 2023		Total Cost: \$1,200		
Facility: Riverdale Road at Anacostia River Branch	State	333 a	178 a	190 a	190 a	190 a	843
From:							
To:							Total Funds: 843
Description: Replacement of Riverdale Road bridge 16069 over a branch of the Anacostia River.							

TIP ID: 6648 Agency ID: FR1541 Title: MD 77 Beaver Branch Bridge Replacement			Complete:		Total Cost: \$1,200		
Facility: MD 77 at Beaver Branch	State	333 a	622 a	221 a			843
From:							
To:							Total Funds: 843
Description: Replacement of MD 77 bridge 10054 over Beaver Branch.							

TIP ID: 6649 Agency ID: FR6991 Title: MD 26 Westbound Monocacy River Bridge Replacement			Complete:		Total Cost: \$1,800		
Facility: MD 26 at the Monocacy River	State	13 a	497 a	537 a	537 a	179 a	1,750
From:							
To:							Total Funds: 1,750
Description: Replacement of westbound MD 26 bridge 10025 over the Monocacy River.							

TIP ID: 6651 Agency ID: PG0191 Title: I-95/I-495 MD 4 Bridges Replacement			Complete:		Total Cost: \$21,000		
Facility: I 95 /I 495 at MD 4	State	51 a	309 a	337 a	337 a	141 a	1,124
From:							
To:							Total Funds: 1,124
Description: Replacement of I-95/I-495 bridges 1615905 and 1615906 over MD 4.							

TIP ID: 6652 Agency ID: PG2402 Title: MD 210 Henson Creek Bridge Replacement			Complete:		Total Cost: \$1,800		
Facility: MD 210 at Henson Creek	State	63 a	347 a	378 a	378 a	378 a	1,701
From:							
To:							Total Funds: 1,701
Description: Replacement of MD 210 bridge 16036 over Henson Creek.							

TIP ID: 6653 Agency ID: PG2582 Title: MD 4 Race Track Road Bridges Replacement			Complete:		Total Cost: \$11,000		
Facility: MD 4 at Race Track Road	State	111 a	296 a	318 a	318 a	132 a	1,064
From:							
To:							Total Funds: 1,064
Description: Replacement of MD 4 bridges 1610803 and 1610804 over Race Track Road.							

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Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6654 Agency ID: PG7201		Title: MD 717 Western Branch Bridge Replacement			Complete:		Total Cost: \$2,700
Facility: MD 717 at Western Branch	State	715 a	10 a				10
From:							
To:							Total Funds: 10
Description: Replacement of MD 717 bridge 16109 over Western Branch.							

TIP ID: 6655 Agency ID: PG7751		Title: I-95/I-495 MD 414 Bridges Replacement			Complete:		Total Cost: \$21,000
Facility: I 95 / I 495 at MD 414	State	694 a	250 a				250
From:							
To:							Total Funds: 250
Description: Replacement of I-95/I-495 bridges 1616705 and 1616706 over MD 414.							

TIP ID: 6656 Agency ID: PG7752		Title: I-95/I-495 Good Luck Road Bridges Replacement			Complete:		Total Cost: \$2,400
Facility: I 95 / I 495 at Good Luck Road	NHPP		353 a	385 a	385 a	385 a	2,118
From:							
To:	State		39 a	43 a	43 a	43 a	235
Total Funds: 2,353							
Description: Replacement of I-95/I-495 bridges 1614305 and 1614306 over Good Luck Road.							

TIP ID: 6660 Agency ID: PG9341		Title: MD 223 at Dower House Road Intersection Improvements			Complete: 2021		Total Cost: \$4,500
Facility: MD 223 at Dower House Road	OEA		300 a				300
From:							
To:	State	273 a					
Total Funds: 300							
Description: MD 223 geometric improvements at Dower House Road.							



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Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
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MDOT/Maryland Transportation Authority

TIP ID: 5527	Agency ID:	Title: Governor Harry W. Nice Bridge Improvement Project	Complete: 2023	Total Cost: \$768,600
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Facility: US Bridge over Potomac	State	19,959 a	2,825 b	2,025 b	1,080 b	268,600 c	555,230
From: Charles County, MD		4,733 b		83,800 c	196,900 c		
To: King George County, VA							
Total Funds:							555,230

Description: Construct a new four-lane bridge north of the existing bridge, with a barrier-separated, two-way bicycle/pedestrian path on the south side of the bridge. Included in the project is preventative maintenance of the existing bridge until the construction phase is programmed.

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CAPITAL COSTS (in \$1,000)**

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

TIP ID: 2594	Agency ID: Part of 0217	Title: Small Urban Transit Systems - Operating Assistance				Complete:	Total Cost:
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Facility:	Sect. 5307	50/25/25	40,668 e	8,963 e	8,963 e	8,963 e	8,963 e	35,852
From:								
To:								Total Funds: 35,852
Description: Operating assistance to small urban transit systems in Charles and Frederick Counties								

TIP ID: 2713	Agency ID: 0892/0893	Title: Large Urban Systems - Capital				Complete:	Total Cost:
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Facility:	Sect. 5307	80/20/0	13,140 e	2,500 e	2,500 e	2,500 e	2,500 e	10,000
From:								
To:								Total Funds: 10,000
Description: Capital assistance for large urban transit service in Prince George's and Montgomery Counties.								

TIP ID: 2795	Agency ID:	Title: Purple Line				Complete: 2022	Total Cost: \$2,410,000
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Facility: Purple Line	P3	0/0/0	64,540 c	17,330 c	17,330 c	17,330 c	17,330 c	69,320	
From: Bethesda									
To: New Carrollton	Sect. 5307	80/20/0	37,250 c	12,500 c	6,250 c	6,250 c	6,250 c	31,250	
	Sect. 5309-NS	80/20/0	83,000 a 110,000 b 550,000 c	145,000 c	145,000 c	145,000 c	145,000 c	580,000	
	State	0/100/0	208,074 c	26,903 c	26,903 c	26,903 c	26,903 c	107,612	
	TIFIA	100/0/0	890,000 c						

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. A TIFIA loan of \$890 million was obligated in 2016 and utilized by the P3 concessionaire from 2016-2022.



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Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 2853 Agency ID: Part of 0218 Title: Rural Transit - Operating Assistance			Complete:		Total Cost:		
Facility: Sect. 5311	50/25/25	14,968 e	1,374 e	1,374 e	1,374 e	1,374 e	5,496
From:							
To:							Total Funds: 5,496
Description: Operating assistance for rural service in Charles, Frederick, Montgomery, and Prince George's counties							

TIP ID: 3012 Agency ID: Part of 0217 Title: Small Urban Systems - Capital			Complete:		Total Cost:		
Facility: Sect. 5307	80/10/10	16,277 e	4,223 e	4,223 e	4,223 e	4,223 e	16,892
From:							
To: Sect. 5339(a)	80/10/10	1,800 e					Total Funds: 16,892
Description: Capital Assistance for Small Urban Transit services in Charles and Frederick counties.							

TIP ID: 3760 Agency ID: Title: Ridesharing - Statewide Program			Complete:		Total Cost:		
Facility: CMAQ	100/0/0	3,723 e	873 e	873 e	873 e	873 e	3,492
From:							
To:							Total Funds: 3,492
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, Montgomery Counties, and the Tri-County Council of Southern Maryland.							

TIP ID: 6147 Agency ID: Title: Large Urban Systems - Preventive Maintenance			Complete:		Total Cost:		
Facility: Sect. 5307	80/20/0	22,220 e	5,555 e	5,555 e	5,555 e	5,555 e	22,220
From:							
To:							Total Funds: 22,220
Description: Large Urban Operating Preventative Maintenance for Montgomery County.							

TIP ID: 6397 Agency ID: MO4622 Title: US 29 Bus Rapid Transit Improvements Project			Complete: 2020		Total Cost:		\$39,104
Facility: US 29	ARRA/TIGER	26/0/74	32,604 c	10,000 c			10,000
From: MD 410							
To: MD 198	Local	0/0/100	6,500 a	15,500 c	2,000 c		17,500
	State	0/100/0	3,000 a		3,500 c		3,500
Total Funds:							31,000
Description: Implement Montgomery County's bus rapid transit system on US 29/MD 384 between Silver Spring Metrorail Station and Burtonsville Park and Ride.							



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		Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6400	Agency ID:	Title: MARC Improvements				Complete:		Total Cost:	
Facility:		Sect. 5307	80/20/0	3,752 e		303 e	1,483 e	3,014 e	4,800
From:		<hr/>							
To:		Sect. 5337-SGR	80/20/0	29,461 e	5,130 e	6,216 e	12,692 e	12,053 e	36,091
Total Funds:									40,891

Description: Ongoing improvement program of the MARC Camden, Brunswick, and Penn Lines to ensure safety and quality of service. This program is implemented through CSX and Amtrak construction agreements. CSX efforts include projects such as interlocking replacements and other track improvements. Amtrak efforts include projects such as passenger upgrades at Washington Union Station, interlocking work, and other track improvements.

TIP ID: 6401	Agency ID:	Title: MARC Rolling Stock Overhauls and Replacements				Complete:		Total Cost:	
Facility:		Sect. 5307	80/20/0	2,786 e			543 e	94 e	637
From:		<hr/>							
To:		Sect. 5337-SGR	80/20/0	51,910 e	13,596 e	18,051 e	3,650 e	2,951 e	38,248
Total Funds:									38,885

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.

TIP ID: 6440	Agency ID:	Title: Seniors and Individuals with Disabilities				Complete:		Total Cost:	
Facility:		Sect. 5310	50/50/0	312 e	148 e		148 e		296
From:		<hr/>							
To:		Sect. 5310.	80/20/0	905 e	501 e		501 e		1,002
Total Funds:									1,298

Description: Will enhance mobility for seniors and persons 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.

TIP ID: 6666	Agency ID:	Title: Low or No Emission Grant Program				Complete: 2019		Total Cost:	\$1,667	
Facility:		Sect. 5339 (c)	90/0/10		1,667 e				1,667	
From:		<hr/>								
To:		Total Funds:								1,667

Description: Transit Services of Frederick County (TSFC) in rural Maryland will replace three diesel buses that have exceeded their useful life with three advanced, heavy-duty BYD zero-emission battery-electric buses. TSFC intends to move toward an all-electric fleet, and this request will nearly double TSFC's fleet of battery-electric buses from 17 percent to 30 percent.

Amendment: New Project **Approved on: 12/7/2018**
Amend project into the FY 2019-2024 TIP with \$1.667 million in Sect. 5339(c) and local matching funds in FY 2019.

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Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
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Charles County

TIP ID: 6582	Agency ID:	Title: Poplar Hill Road Bridge over Zekiah Swamp Run	Complete: 2019	Total Cost: \$750
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Facility: Poplar Hill Road Bridge	HBRRP	100/0/0	300 a	300 a			300
From: Zekiah Swamp Run							
To:	State/Local	0/0/100	80 a	70 a			70
Total Funds:							370

Description: Replace the superstructure (bridge abutments, wing walls, steel girders & concrete deck)

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

TIP ID: 3173	Agency ID: F3	Title: Study, Design, ROW, Construction, Inspection & Training	Complete: 2024	Total Cost: \$8,294
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Facility: Various Bridges	HBRRP	47/0/53	640	c			640
From:							
To:	HBRRP 1	76/0/24			2,543	c	2,543
	HBRRP 2	32/0/68					1,924
	Local	0/0/100		1,423	c		3,187
Total Funds:							8,294

Description: Rehabilitate, construct (replace) & inspect bridges or culverts at the following locations: Biggs Ford; Gas House Pike; Bretheren Church Rd; Hessong Bridge Rd; Hoovers Mill Rd; Hornets Nest Rd; bridge replacement of Old Mill Road Br; deck replacements on Stottlemeyer; and covered bridge preservation projects. Work may include bridge inspection training.

TIP ID: 5494	Agency ID:	Title: Study, Design, ROW, & Construction	Complete: 2024	Total Cost: \$34,771
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Facility: Various Roads	HBRRP	7/0/93	17,359	c			17,359
From: Various Roads							
To:	HBRRP 1	9/0/91		9,172	c		9,172
	Local	0/0/100			1,712	c	8,240
Total Funds:							34,771

Description: Upgrade and improvements to Boyers Mill Road; Christopher's Crossing; Gas House Pike; Reichs Ford Road; White Rock subdivision and Yeagertown Rd. Old National Pike will include bicycle accommodations.

TIP ID: 5495	Agency ID: F3	Title: Planning, Design & Construction	Complete: 2028	Total Cost: \$4,685
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Facility: Varous Trails	State/Local	0/40/60	1,420	c	213	a	1,420	c	4,686
From:									
To:									Total Funds: 4,686

Description: Various County Trails including the Ballenger Creek Corridor



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

TIP ID: 3049	Agency ID: P501107	Title: Goshen Road South	Complete:	Total Cost: \$128,630
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Facility: Goshen Road South	Local	0/0/100	4,408 a	2,579 a	2,290 a		52,012
From: South of Girard Street			10,567 b	6,429 b	28,158 c		
To: 1000 feet north of Warfield Road				8,520 e	4,036 e		

Total Funds: 52,012

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.

TIP ID: 3062	Agency ID: P501119	Title: Snouffer School Road North	Complete:	Total Cost: \$13,482
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Facility: Snouffer School Road	Local	0/0/100	2,457 a	319 a	3,654 c		11,398
From: Sweet Autumn Drive			105 b	5,250 c	1,247 e		
To: Centerway Road			9,960 c	928 e			
			751 e				

Total Funds: 11,398

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.

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			Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
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	1,809 a	195 a	160 a	160 a	160 a	160 a	3,070
From:				2,557 b	600 b	240 c	240 c	240 c	240 c	
To:				1,709 c	275 c					

Total Funds: 3,070

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.

TIP ID: 3065	Agency ID: P509399	Title: Advanced Transportation Management System						Complete:	Total Cost:	\$59,233
Facility:	Advanced Transportation Management Syst	Local	0/0/100	1,062 a	177 a	177 a				4,016
From:				10,986 e	1,831 e	1,831 e				
To:										


Total Funds: 4,016

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.

TIP ID: 3066	Agency ID: P507596	Title: Annual Bikeway Program						Complete:	Total Cost:	\$4,897
Facility:	Annual Bikeway Program	Local	0/0/100	600 a	11 a	11 a				1,060
From:				210 b	169 b	169 b				
To:				2,000 c	350 c	350 c				

State	0/100/0	250 c
State/Local	0/50/50	140 a
		10 b
		350 c

Total Funds: 1,060


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. 

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Source			Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
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	2,924 a	520 a	520 a		4,828
From:					36 b	6 b	6 b		
To:					11,194 c	1,874 c	1,874 c		
					84 e	14 e	14 e		

Total Funds: 4,828

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. 

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	1,016 a	283 a	283 a		3,050
From:					6,154 c	1,214 c	1,214 c		
To:					140 e	28 e	28 e		

Total Funds: 3,050

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.

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			Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total	
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	56,896 e	19,591 e	15,260 e			34,851	
From: Countywide											
To:			Sect. 5307	100/0/0	9,600 e	1,600 e	1,600 e			3,200	
			Sect. 5308	100/0/0	3,066 e						
			State	0/100/0	16,400 e	400 e	400 e			800	

Total Funds: 38,851

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

TIP ID: 3125 Agency ID: P509975 Title: Silver Spring Green Trail									Complete: 2022	Total Cost:	\$4,279
Facility: Silver Spring Green Trail			Local	0/0/100	1,500 c	170 c	140 c	127 c	64 c	501	
From: Fenton Street											
To: Sligo Creek Hiker-Biker Trail											

Total Funds: 501

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.

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	Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
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			3,276
From: River Road				1,622 b				
To: Dunster Road								
Total Funds:								3,276

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.

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

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.

TIP ID: 3542 Agency ID: P500717 Title: MD 355 Phase 2 Highway Reconstruction						Complete: 2020	Total Cost:	\$86,500
Facility: Montrose Parkway	Local	0/0/100	4,306 a	1,233 a	65 a	65 a	1,393 a	87,744
From: Randolph Road			12,466 b	2,426 b	2,426 b	2,052 b	6,536 b	
To: East of Parklawn Drive			9 c				10,471 c	
			728 e				4,600 e	
Total Funds:								87,744

Description: Construction of Montrose Parkway, including a CSX Railroad grade-separated crossing and interchange at Parklawn Drive.

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TIP ID: 3642 Agency ID: P500333 Title: Pedestrian Safety Program					Complete:	Total Cost:	\$19,512
Facility: Pedestrian Safety Program	Local	0/0/100	692 a	100 a	100 a		3,200
From: Countywide			7,645 c	1,250 c	1,250 c		
To:			1,500 e	250 e	250 e		

Total Funds: 3,200

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. 🚲

TIP ID: 3648 Agency ID: P500704 Title: Traffic Signal System Modernization					Complete:	Total Cost:	\$40,849
Facility: Traffic Signal System Modernization	Local	0/0/100	200 a	100 a	100 a		2,476
From:			2,276 e	1,138 e	1,138 e		
To:	State	0/100/0	1,096 a				
			2,904 e				

Total Funds: 2,476

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.

TIP ID: 3703 Agency ID: P500717 Title: Montrose Parkway East					Complete:	Total Cost:	\$119,890
Facility: Montrose Parkway East	Local	0/0/100	479 a	2,436 a	4,000 a		40,561
From: Eastern Limit of MD 355/Montrose Interchan			14,123 b	15,695 c	12,256 c		
To: Veirs Mill Road/Parkland Road Intersection			1,266 e	6,174 e			

Total Funds: 40,561

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.

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	Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
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	7,200 a	10,162 c	6,437 c			16,599
From: Elm Street west of Wisconsin Avenue			32,311 c					
To:								
Total Funds:								16,599

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.

TIP ID: 5729 Agency ID: P500718 Title: MacArthur Boulevard Bikeway Improvements			Complete:				Total Cost:	\$17,300
Facility: MacArthur Boulevard	Local	0/0/100	1,869 a	506 a	754 a			1,460
From: I Capital Beltway			5,389 c		200 b			
To: DC Line			260 e					
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.

TIP ID: 5912 Agency ID: P509132 Title: Beach Drive Bridge M-PK-24001			Complete:				Total Cost:	
Facility: Beach Drive Bridge	HBRRP	80/0/20	1,200 a	200 a	200 a	2,200 c		4,600
From: Over Silver Creek					1,600 c	200 e		
To:					200 e			
Total Funds:								4,600

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

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Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 5913 Agency ID: P509132 Title: Brink Road Bridge M-0064001			Complete: 2019		Total Cost:		
Facility: Brink Road Bridge M-0064001	HBRRP	80/0/20	1,100 a	100 a	100 a	100 a	300
From: Over Great Seneca Creek							
To:							Total Funds: 300

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.

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	HBRRP	80/0/20	1,200 a	200 a	100 a	100 a	400
From: Over Rock Creek							
To:							Total Funds: 400

Description: This project provides for the rehabilitation of Garrett Park Road Bridge M-PK-04001 over Rock Creek, and the reconstruction of roadway approaches

TIP ID: 5917 Agency ID: P501302 Title: Gold Mine Road Bridge			Complete:		Total Cost:		\$4,433
Facility: Gold Mine Road Bridge M-0096001	HBRRP	25/0/75	2,005 a	4,731 c			5,231
From:			315 b	500 e			
To:							
	Local	0/0/100	69 b				
							Total Funds: 5,231

Description: This project provides for the replacement of the Gold Mine Road Bridge over the Hawlings River, and the construction of an 8' wide bikepath from James Creek Court to New Hampshire Avenue. The project includes 250 feet of approach roadway work at each end of the bridge, which consists of widening and raising the roadway profile by 5 feet at the bridge. The new bridge will carry two lanes of traffic, improve sight distances at the bridge, raise the bridge elevation to reduce flooding at the roadway, carry all legal vehicles, and provide pedestrian facilities across the river.

TIP ID: 5918 Agency ID: P501523 Title: Park Valley Road Bridge M-PK-03001			Complete:		Total Cost:		\$2,000
Facility: Park Valley Road Bridge M-PK-03001	HBRRP	70/0/30	1,145 a	1,875 c			1,875
From: Over Sligo Creek			1,500 c				
To:			30 e				
							Total Funds: 1,875


Description: Replacement of Park Valley Road Bridge M-PK-03001 over Sligo Creek, and reconstruction of roadway approaches.

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			Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 5942 Agency ID: P501110 Title: Metropolitan Branch Trail						Complete:			Total Cost: \$12,147	
Facility: Metropolitan Branch Trail			Local	0/0/100	3,727 a	1,447 a	1,445 a	617 a	15,339	
From: End of existing trail in Takoma Park					1,054 b	318 b	83 b	5,373 c		
To: Silver Spring Transit Center					533 c		6,056 c			
					381 e					

Total Funds: 15,339

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. 

TIP ID: 5943 Agency ID: P500102 Title: Bethesda CBD Streetscape						Complete:			Total Cost: \$8,214	
Facility: Bethesda CBD Streetscape			Local	0/0/100	900 a	497 a	490 a	262 a	6,901	
From: Bethesda CBD						1,286 c	1,982 c	1,188 c		
To: Bethesda CBD								1,196 e		

Total Funds: 6,901

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.

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Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 5971 Agency ID: P500313 Title: Bridge Preservation Program			Complete:			Total Cost: \$9,807	
Facility: Bridge Preservation Program	Local	0/0/100	872 a	152 a	152 a		1,028
From: County-wide			12 b	2 b	2 b		
To: County-wide			2,160 c	360 c	360 c		

Total Funds: 1,028

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.

TIP ID: 5972 Agency ID: P509753 Title: Bridge Renovation			Complete:			Total Cost: \$8,211	
Facility: County-wide	Local	0/0/100	780 a	390 a	390 a	390 a	1,560
From:							
To:	State/Local	0/16/84	1,220 c	610 c	610 c	610 c	2,440

Total Funds: 4,000

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.

TIP ID: 5974 Agency ID: P508527 Title: Resurfacing: Primary / Arterial			Complete:			Total Cost: \$59,518	
Facility: County-wide	Local	0/0/100	6,060 a	915 a	915 a		12,200
From:			34,340 c	5,185 c	5,185 c		
To: County-wide							

Total Funds: 12,200

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).

TIP ID: 5975 Agency ID: P508182 Title: Sidewalk & Curb Replacement			Complete:			Total Cost: \$56,059	
Facility: Countywide	Local	0/0/100	6,135 a	1,005 a	1,005 a		13,400
From:			34,765 c	5,695 c	5,695 c		
To:							

Total Funds: 13,400

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).



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Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 5980 Agency ID: P507017 Title: Intersection & Spot Improvements			Complete:		Total Cost:		\$10,117
Facility: Intersection & Spot Improvements	Local	0/0/100	1,644 a	336 a	1,344 e		2,688
From: County-wide			60 b	10 b			
To: County-wide			3,932 c	798 c			
			1,200 e	200 e			

Total Funds: 2,688

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.

TIP ID: 5981 Agency ID: P509523 Title: Neighborhood Traffic Calming			Complete:		Total Cost:		\$2,801
Facility: Neighborhood Traffic Calming	Local	0/0/100	444 a	74 a	74 a		620
From: Residential Neighborhoods County-wide			1,416 e	236 e	236 e		
To:							

Total Funds: 620

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.

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	300 a	50 a	50 a		500
From: CBDs and Town Centers			1,160 e	200 e	200 e		
To:							

Total Funds: 500

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.

Amended and Modified as of
2/4/2018

**SUBURBAN MARYLAND
FY 2019-2024 TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
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	8,907 a	2,944 a	2,570 a			13,042
From:		1,200 b	5,120 c	208 b			
To:		22,875 c	950 e	1,250 c			
		25,473 e					

Total Funds: 13,042

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.

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	1,166 a	81 a	81 a		162
From: White Flint Sector Plan and Surrounding Area							
To:							

Total Funds: 162

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.

Amended and Modified as of
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**SUBURBAN MARYLAND
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CAPITAL COSTS (in \$1,000)**

	Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6015 Agency ID: P501316 Title: Capital Crescent Trail			Complete:				Total Cost:	\$95,856
Facility: Capital Crescent Trail	Local	0/0/100	6,000 a	700 b	700 b			35,010
From: Elm Street Park in Bethesda			36,346 c	16,805 c	16,805 c			
To: Silver Spring								
Total Funds:								35,010

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.

TIP ID: 6016 Agency ID: P501304 Title: Needwood Road Bikepath			Complete: 2019				Total Cost:	\$5,765
Facility: Needwood Road Bikepath	Local	0/0/100	2,206 a	351 a				772
From: Deer Lake Road			2,551 c	421 c				
To: Muncaster Mill Road			146 e					
	State/Local	0/0/100	90 b					
Total Funds:								772

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.

Amended and Modified as of
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**SUBURBAN MARYLAND
FY 2019-2024 TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

	Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6017 Agency ID: P501303 Title: Seven Locks Bikeway & Safety Improvements			Complete:				Total Cost: \$27,944	
Facility: Seven Locks Bikeway & Safety Improvem	Local	0/0/100	1,723 a	1,334 a	20 a			5,270
From: Montrose Road				346 b	3,570 b			
To: Bradley Boulevard								
Total Funds:								5,270

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.

TIP ID: 6018 Agency ID: P501309 Title: East Gude Drive Roadway Improvements			Complete:				Total Cost: \$6,027	
Facility: East Gude Drive Roadway Improvements	Local	0/0/100	1,116 a	26 a	100 a			1,420
From: Crabbs Branch Way			50 b	179 b	1,115 c			
To: Southlawn Lane								
Total Funds:								1,420

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.

Amended and Modified as of
2/4/2018

**SUBURBAN MARYLAND
FY 2019-2024 TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source			Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
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	1,060 a	473 a	318 e			3,734
From:	Brookeville Road Seminary Place Intersectio			605 b	2,691 c				
To:	Linden Lane/Second Avenue Intersection			1,859 c	252 e				

Total Funds: 3,734

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.

TIP ID: 6020 Agency ID: P501315 Title: Clarksburg Transportation Connections							Complete:	Total Cost:	\$10,000
Facility:	Clarksburg Transportation Connections	Local	0/0/100	6,000 e	2,000 e	2,000 e			4,000
From:	Snowden Farm Parkway/Little Seneca Park								
To:	Ridge Road/								

Total Funds: 4,000

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.

TIP ID: 6063 Agency ID: P501118 Title: Frederick Road Bike Path: Stringtown to Milestone Manor							Complete: 2020	Total Cost:	\$7,402
Facility:	Frederick Road Bike Path	Local	0/0/100	1,707 a	522 a	133 a			4,084
From:	Stringtown Road			564 b	2,243 c	1,158 c			
To:	Milestone Manor Lane			947 c		28 e			

Total Funds: 4,084

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.



Amended and Modified as of
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**SUBURBAN MARYLAND
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CAPITAL COSTS (in \$1,000)**

	Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
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	3,121 a	142 a				5,372
From: Sweet Autumn Drive			3,898 b	3,515 c				
To: Centerway Road			11,018 c	1,715 e				

Total Funds: 5,372

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.

TIP ID: 6065 Agency ID: P507154 Title: Traffic Signals							Complete: Total Cost:	\$40,889
Facility:	Local	0/0/100	4,519 a	725 a	725 a			9,670
From:			25,661 e	4,110 e	4,110 e			
To:								

Total Funds: 9,670

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.

TIP ID: 6364 Agency ID: P509036 Title: Transportation Improvements for Schools							Complete: Total Cost:	\$1,775
Facility: Various	Local	0/0/100	818 e	209 e	209 e			418
From:								
To:								

Total Funds: 418

Description: This project provides for transportation improvements such as intersection modifications, sidewalks, traffic signals, streetlights etc. for safe pedestrian and vehicular circulation 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. 🚲

Amended and Modified as of
2/4/2018

**SUBURBAN MARYLAND
FY 2019-2024 TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total	
TIP ID: 6365 Agency ID: P501532		Title: Bicycle and Pedestrian Priority Area Improvements				Complete:		Total Cost:	\$5,375
Facility:	Local	0/0/100	825 a	150 a	1,000 e			2,000	
From:			2,550 c	850 c					
To:									
Total Funds:								2,000	

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.

TIP ID: 6584 Agency ID: M-0043		Title: Mouth of Monocacy Road Bridge Replacement				Complete: 2023		Total Cost:	\$3,050
Facility:	Mouth of Monocacy Road Bridge	HBRRP	80/0/20	250 a	150 a	150 a	150 a	40 a	490
From:	Monocacy River								
To:	Local	0/0/100					300 b	300	
Total Funds:								790	

Description: The Mouth of Monocacy Road Bridge, built in 1971, is a single span (47'-6" span length) steel beam structure carrying a 14'-9" roadway (one lane bridge). The bridge has very low traffic volume, ADT of 135 in 2011. The road is classified as an exceptional rustic road in the Rustic Roads Functional Master Plan. The steel beams and bearings are in poor condition. The structure is structurally deficient. It has a bridge sufficiency rating of 29.4 out of 100 and is eligible for replacement using federal funding. The bridge and road will be closed to traffic during construction.

TIP ID: 6608 Agency ID: 501701		Title: Dennis Avenue Bridge Replacement M-0194				Complete: 2024		Total Cost:	\$5,610
Facility:	Dennis Avenue Bridge	HBRRP	80/0/20	200 a	200 a	200 a	100 a	100 a	1,600
From:	Tributary to Sligo creek							1,000 e	
To:	Local	0/0/100					100 b	100	
Total Funds:								1,700	

Description: This project provides for the replacement of Dennis Ave. Bridge (M-0194) over a tributary to Sligo Creek. The existing bridge, built in 1961, is a single 30-foot span structure. The proposed replacement bridge will be a single 75-foot span structure. The wider opening will mitigate the frequent flooding of five residential properties and local streets upstream of the bridge; mitigate occasional roadway flooding on Dennis Avenue that causes significant traffic delays; and eliminate annual maintenance repairs required for this deteriorating structure.

TIP ID: 6616 Agency ID:		Title: Low or No Emissions FTA Electric Bus grant				Complete: 2020		Total Cost:	\$4,395
Facility:	Silver Spring Depot Charging Stations	Sect. 5339 (c)	80/0/20		4,395 e				4,395
From:									
To:									
Total Funds:								4,395	

Description: Montgomery County, Maryland seeks to update its fleet with four Proterra 35' E2 battery electric buses to replace four GILLIG 30' diesel buses. Additionally, Montgomery County seeks to procure and install four depot chargers. The buses would be Montgomery County's first zero-emission buses and would be a component of green and sustainable initiatives underway in the county.

Amended and Modified as of
2/4/2018

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

Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6667 Agency ID:		Title: Zion Road Bridge M-0121 over Hawlings River			Complete: 2025		Total Cost:	\$3,150
Facility: Zion Road Bridge over Hawlings River	HBRRP	80/0/20		50 a	160 a	160 a	160 a	740
From:								
To:	Local	0/0/100						400
Total Funds:								1,650

Description: Replacement of the Zion Road Bridge (No. M-0121) over Hawlings River

Amendment: New Project **Approved on: 2/1/2019**
Amend project into the FY 2019-2024 TIP with \$1.14 million in BR and local funding between FY 2019 and FY 2024 as shown above (remaining \$2.01 million programmed in FYs 25/26).

Amended and Modified as of
2/4/2018

**SUBURBAN MARYLAND
FY 2019-2024 TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

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

TIP ID: 3114	Agency ID:	Title: Contee Road	Complete: 2019	Total Cost: \$24,512
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Facility: Contee Road	Local	0/0/100	a	1,950 a		2,000
From: US 1			b	50 e		
To: MD 201 Extended/Virginia Manor Road/Cont			c			

Total Funds: 2,000

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.

TIP ID: 4912	Agency ID:	Title: Oxon Hill Road Widening	Complete: 2019	Total Cost: \$33,837
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Facility: Oxon Hill Road	Local	0/0/100	692 a	8,666 c		8,666
From: National Harbor Ent.			1,184 b			
To: Fort Foote North			18,589 c			

Total Funds: 8,666

Description: This project consists of three phases. Phase I, which is complete involved resurfacing Oxon Hill Road from Livingston Road to Fort Foote Road North. Phase II involved constructing Oxon Hill Road as a collector roadway with curbs, gutters, in pavement bicycle lanes and closed storm drainage systems from the national Harbor entrance road to just south of Fort Foote Road North. This project will be partially funded with developer contributions.

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	HBRRP	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.

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	800 a	200 a		200
From: Allentown Road						
To: Metro Access Road (Woods Way)						

Total Funds: 200

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.

Amended and Modified as of
2/4/2018

**SUBURBAN MARYLAND
FY 2019-2024 TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 5609 Agency ID:		Title: Curb and Road rehabilitation II			Complete: 2024		Total Cost: \$280,021
Facility: various locations	Local	0/0/100	7,968 a	1,500 a	2,500 a	1,500 a	20,140 e
From:			74,978 c	20,260 c	29,260 c	13,400 c	
To:			11,040 e	5,240 e	5,240 e	5,240 e	

Total Funds: 104,280

Description: This Project provides funding for rehabilitation 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.

TIP ID: 5806 Agency ID:		Title: Bridge Replacement - Livingston Road			Complete: 2023		Total Cost: \$12,045
Facility: Bridge Replacement - Livingston Road	HBRRP	80/0/20	150 a	50 b	300 a	300 a	10,150
From:			100 b	2,500 c	1,500 c	1,500 c	
To: Over Piscataway Creek			500 c	300 e	300 e	350 e	
			1,500 e				

Total Funds: 10,150

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.

TIP ID: 5808 Agency ID:		Title: Sunnyside Avenue Bridge Replacement			Complete: 2019		Total Cost: \$12,382
Facility: Bridge Replacment -- Sunnyside Avenue	HBRRP	80/0/20	751 a	7,300 c			7,300
From: Over Indian Creek			3,344 c				
To:			987 e				

Total Funds: 7,300

Description: This Project replaces the Sunnyside Avenue Bridge over Indian Creek and widens the roadway west of the CSX crossing to Kenilworth Avenue (MD 201). The original bridge design was built in 1946, and rehabilitated in 1966 and 1974. Funding is anticipated to be 80% Federal Aid for bridge design and construction. Right-of-way, wetlands mitigation, and roadway reconstruction beyond the bridge and approach limits are anticipated to be 100% County-funded.

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Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6003 Agency ID:		Title: Green/Complete Street Improvements			Complete: 2024		Total Cost:	\$69,447
Facility: Various locations County-wide	Local	0/0/100		1,525 a	1,785 a	975 a	700 a	41,670
From:				100 b	250 b	200 b	6,150 c	
To:				8,550 c	4,550 c	7,200 c	250 e	
				1,285 e	600 e	350 e		

Total Funds: 41,670

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 installation and the construction of sidewalks and paths.

TIP ID: 6012 Agency ID:		Title: Modification of ADA Rights of Way County-Wide			Complete: 2024		Total Cost:	\$5,325
Facility: ADA Rights of Way Modifications County-Wi	Local	0/0/100		400 c	400 c	400 c	400 c	2,400

Total Funds: 2,400

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.

TIP ID: 6023 Agency ID:		Title: Coounty Revitalization & Restoration 2			Complete: 2020		Total Cost:	\$5,300
Facility: Various locations County-wide	Local	0/0/100	600 a	100 a	100 a			1,400
From:			3,300 c	600 c	600 c			

Total Funds: 1,400

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 interstecions 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.

TIP ID: 6024 Agency ID:		Title: Developer Contribution Projects			Complete: 2024		Total Cost:	\$23,144
Facility: Various locations County-wide	PRIV	0/0/0	200 a	50 a	50 a	50 a	50 a	6,000
From:			10,324 c	1,450 c	1,450 c	1,450 c	1,450 c	

Total Funds: 6,000

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.

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	Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6026 Agency ID:		Title: School Access Project				Complete: 2022 Total Cost:		\$6,184
Facility: Various locations County-wide	Local	0/0/100	201 a	100 c	100 c	100 c	100 c	400
From:			222 b					
To:			4,840 c					
			521 e					
	TAP	70/0/30	1,400 c					
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)

TIP ID: 6367 Agency ID:		Title: Addison Road I				Complete: 2021 Total Cost:		\$20,510
Facility: Addison road	Local	0/0/100	1,403 a	1,000 c	5,000 c			6,000
From: Walker Mill Road			1,000 b					
To: MD 214 (Central Avenue)								
Total Funds:								6,000

Description: The project consists of reconstructing Addision 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.

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			900
From: Selman Road								
To: US 1								
Total Funds:								900

Description:

TIP ID: 6370 Agency ID:		Title: Pedestrian Safety Improvements				Complete: 2024 Total Cost:		\$43,609
Facility: Various locations County-wide	Local	0/0/100	2,904 a	1,940 a	1,400 a	1,225 a	9,910 e	30,575
From:			450 b	200 b	400 b	350 b		
To:			8,070 c	7,675 c	3,675 c	3,800 c		
Total Funds:								30,575

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.

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CAPITAL COSTS (in \$1,000)**

Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6371 Agency ID:		Title: Planning and site acquisition 2			Complete: 2021		Total Cost:	\$2,754
Facility: Various locations County-wide	Local	0/0/100	350 a	250 a	250 a	250 b		1,045
From:			650 b	295 e				
To:			150 c					
			149 e					

Total Funds: 1,045

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.


TIP ID: 6372 Agency ID:		Title: Street Lights and Traffic Signals 2			Complete: 2024		Total Cost:	\$39,076
Facility: Various locations County-wide	Local	0/0/100	540 a	150 a	300 a	100 a	500 a	12,710
From:			3,390 c	1,300 c	3,150 c	400 c	3,100 c	
To:			16,146 e	1,100 e	1,100 e	110 e	1,400 e	

Total Funds: 12,710

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.

TIP ID: 6373 Agency ID:		Title: Traffic Congestion Improvements			Complete: 2020		Total Cost:	\$17,842
Facility: Various locations County-wide	Local	0/0/100	5,000 a	1,000 a	1,000 a			7,000
From:			5,767 c	2,500 c	2,500 c			
To:	PRIV	0/0/0	75 b					

Total Funds: 7,000

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. 

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Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	Source Total	
TIP ID: 6374 Agency ID:		Title: Transportation Enhancements 2			Complete: 2023		Total Cost: \$20,153	
Facility: Various locations County-wide	Local	0/0/100	475 a	100 a	200 a	200 a	250 a	6,661
From:			5,881 c	750 c	750 c	1,275 c	3,034 e	
To:			34 e	34 e	34 e	34 e		

Total Funds: 6,661

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.

TIP ID: 6375 Agency ID:		Title: Bus Mass Transit/ Metro Access 2			Complete: 2024		Total Cost: \$5,606	
Facility: Various locations County-wide	Local	0/0/100	376 a	250 a	250 a	250 a	475 e	1,850
From:			50 b	175 e	50 b	50 b		
To:			737 c		175 e	175 e		
			992 e					

Total Funds: 1,850

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. 

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	HBRRP	80/0/20	750 a	50 a				1,550
From: west of Patuxent River			50 b	1,500 c				
To: east of Patuxant river			1,500 c					

Local	0/0/100	180 e	180 e					180
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Total Funds: 1,730

Description:

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VDOT

#HB2.FY17 Const Inter AT RTE 15/17/29 BUS GARVEE DEBT SERVICES	TIP ID: 6548	Agency ID: 110375
#HB2.FY17 RTE 7 CORRIDOR IMPROVEMENTS - PH 1 GARVEE DEBT S	TIP ID: 6546	Agency ID: 110377
#HB2.FY17 RTE 7 CORRIDOR IMPROVEMENTS - PHASE 1	TIP ID: 6519	Agency ID: 99478
#HB2.FY17 RTE 7 CORRIDOR IMPROVEMENTS - PHASE 2	TIP ID: 6539	Agency ID: 106917
Amenities	TIP ID: 6328	Agency ID:
BUS REPLACEMENT (OMNIRIDE EXPRESS COMMUTER BUSES)	TIP ID: 6630	Agency ID: T21459
COMMUTER ASSISTANCE PROGRAM	TIP ID: 6627	Agency ID: T21240
CONNECTOR ROAD FROM SUNRISE VALLEY DR TO INNOVATION AVE	TIP ID: 6665	Agency ID: 114098
Construction: Bridge Rehabilitation/Replacement/Reconstruction	TIP ID: 5503	Agency ID: TIPGRP001
CSX RF&P Rail Corridor Capacity Improvements	TIP ID: 6402	Agency ID: VRE0018
Dulles West Boulevard Phase 1	TIP ID: 6600	Agency ID:
Dulles West Boulevard Phase 2	TIP ID: 6601	Agency ID:
Dulles West Boulevard Phase 3	TIP ID: 6602	Agency ID:
FAIRFAX COUNTYWIDE TRANSIT STORES	TIP ID: 6628	Agency ID: T21448
FARMWELL ROAD WIDENING FROM 4 TO 6 LANES	TIP ID: 6664	Agency ID: 106996
Grant and Project Management	TIP ID: 4489	Agency ID: VRE0008
HB2.FY17 RTE 7 CORRIDOR IMPROVEMENTS - PHASE 2 GARVEE DEBT	TIP ID: 6547	Agency ID: 110378
I-395 EXPRESS LANES NORTHERN EXTENSION	TIP ID: 6593	Agency ID: 110739
I-495 Northern Section Shoulder Use Debt Service	TIP ID: 6361	Agency ID: 106025
I-66 / Route 15 IINTERCHANGE RECONSTRUCTION	TIP ID: 5930	Agency ID: 100566
I-66 / Route 15 IINTERCHANGE RECONSTRUCTION GARVEE DEBT SERVI	TIP ID: 6543	Agency ID: 110376
I-66 Inside of the Beltway Initiatives	TIP ID: 6544	Agency ID: 108424
I-66 Inside of the Beltway Initiatives GARVEE DEBT SERVICES	TIP ID: 6545	Agency ID: 110392
Lee Highway Widening Phase II	TIP ID: 6604	Agency ID: 110329
Lee Highway Widening Phase II -- GARVEE DEBT SERVICE	TIP ID: 6605	Agency ID: 111986
NEABSCO MILLS ROAD - Widen to 4 lanes	TIP ID: 6541	Agency ID: 107947
Project Grouping: Construction: Recreational Trails	TIP ID: 6485	Agency ID:
Project Grouping: Constuction : Federal Lands Highway	TIP ID: 6441	Agency ID:
PRTC - Bus Acquisition / Replacement Program	TIP ID: 4506	Agency ID: PRTC0005
PRTC - Preventive Maintenance	TIP ID: 5601	Agency ID: PRTC0004
PRTC COMMUTER ASSISTANCE PROGRAM	TIP ID: 6629	Agency ID: T21457
PRTC Security Enhancements	TIP ID: 5707	Agency ID: PRTC0006
RICHMOND HIGHWAY CORRIDOR IMPROVEMENTS	TIP ID: 6443	Agency ID: 107187
Riverside Parkway (VA Route 7 North Collector Road) Extension	TIP ID: 6662	Agency ID: 105784
Rogues Road Reconstruction	TIP ID: 6429	Agency ID: 104300

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Rolling Road	TIP ID: 6247	Agency ID: 5559
Rolling Stock Acquisition	TIP ID: 4534	Agency ID: VRE0009
Rolling Stock Modifications and Overhauls	TIP ID: 4818	Agency ID: VRE0001
Route 1 Widening from Featherstone Road to Mary's Way	TIP ID: 6446	Agency ID: 104303
Route 28 Metrorail Station (Innovation Station)	TIP ID: 6362	Agency ID: 102891 and FFX0
Route 28 Widening	TIP ID: 6298	Agency ID: 96721
Route 606 Loudoun CountyParkway / Old Ox Rd.Reconstruction	TIP ID: 6202	Agency ID: 97529
ROUTE 7/GEORGE WASHINGTON BLVD OVERPASS	TIP ID: 6553	Agency ID: 105584
ROUTE 7/ROUTE 690 INTERCHANGE #SMART18	TIP ID: 6618	Agency ID: 111666
Rte 621 BALLS FORD ROAD WIDEN TO 4 LANES	TIP ID: 6623	Agency ID: T20903
RTE 840 UNIVERSITY BOULEVARD WIDENING AND EXTENSION -PE ONL	TIP ID: 6559	Agency ID: 104816
Security Enhancements Systemwide	TIP ID: 4277	Agency ID: VRE0003
Soapstone Connector	TIP ID: 6583	Agency ID: 112479
STERLING BOULEVARD - 4 LANE CONSTRUCTION ON NEW ALIGNMENT	TIP ID: 6663	Agency ID: 105783
Sudley Road 3rd Lane, NB	TIP ID: 6617	Agency ID: T-105
Sycolin Road	TIP ID: 6203	Agency ID: 102895
TDM Monitoring Funds	TIP ID: 6661	Agency ID: 106474
TIP Grouping for Preventive Maintenance for Bridges	TIP ID: 5525	Agency ID: TIPGRP006
TIP Grouping project for Construction: Safety/ITS/Operational Improve	TIP ID: 5506	Agency ID: TIPGRP003
TIP Grouping project for Construction: Transportation Enhancement Byw	TIP ID: 5523	Agency ID: TIPGRP004
TIP Grouping project for Maintenance: Traffic and Safety Operations	TIP ID: 5526	Agency ID: TIPGRP007
TIP Grouping project for Preventive Maintenance and System Preservatio	TIP ID: 5524	Agency ID: TIPGRP005
Transit : Access	TIP ID: 6333	Agency ID:
Transit : Vehicles	TIP ID: 6331	Agency ID:
Transit Ridesharing	TIP ID: 6330	Agency ID:
Transit Store Funding - Alexandria	TIP ID: 6626	Agency ID: T21453
US 1/RT 123 Interchange Construction Phase-I (Route 1 Widening ony)	TIP ID: 6310	Agency ID: 94102
VA 234 Bypass Interchange @ Balls Ford Road	TIP ID: 6621	Agency ID: T20906
VA Route 645 Extended - Westwind Drive	TIP ID: 6659	Agency ID: 111670
Virginia Statewide Vehicle Fuel Conversion Program	TIP ID: 6041	Agency ID: T11802
VRE Rippon Platforms	TIP ID: 6320	Agency ID: T10671
VRE Stations and Facilities	TIP ID: 4310	Agency ID: VRE0011
VRE Storage Yards Improvements	TIP ID: 4070	Agency ID: VRE0007
VRE Track Lease Improvements	TIP ID: 5489	Agency ID: VRE0012
Widen East Spring Street	TIP ID: 6537	Agency ID: 105521
Widen Liberia Avenue - PE Only	TIP ID: 6550	Agency ID: 102903

**NORTHERN VIRGINIA
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Widen US Route 1

TIP ID: **6204** Agency ID: **90339**

WMATA REPLACEMENT BUSES

TIP ID: **6631** Agency ID: **T21031, T21033**

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			Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total	
TIP ID: 4070			Agency ID: VRE0007			Title: VRE Storage Yards Improvements			Complete: 2045			Total Cost: \$85,412	
Facility:			Sect. 5307	62/34/4	25,699 c	9,770 c						9,770	
From: Systemwide													
To:			Sect. 5309	62/34/4	262 c								
			Sect. 5337-SGR	62/34/4	15,831 a	14,987 c						14,987	
					41,051 c								
											Total Funds:	24,757	

Description: As additional cars are added to accommodate ridership demand, storage yards and maintenance facilities must be obtained and/or upgraded. Improvements to the yards and maintenance facilities will allow additional maintenance to be performed by VRE contractors and additional vehicles to be stored.

TIP ID: 4277			Agency ID: VRE0003			Title: Security Enhancements Systemwide			Complete: 2045			Total Cost: \$6,180	
Facility:			Sect. 5307	80/16/4	1,017 c	105 c	105 c					210	
From: Systemwide													
To:			Sect. 5337-SGR	80/16/4	676 c								
											Total Funds:	210	

Description: Grantees must certify that at least 1% of 5307 funding received each fiscal year is being used for transit security projects.

TIP ID: 4310			Agency ID: VRE0011			Title: VRE Stations and Facilities			Complete: 2045			Total Cost: \$650,002	
Facility: VRE Stations and Facilities			Sect. 5307	80/20/0	957 c								
From: Systemwide													
To:			Sect. 5309	80/20/0	500 c								
			Sect. 5337-SGR	80/16/4	13,956 c	2,495 c	946 c					3,441	
			Sect. 5337-SGR 1	62/34/4	5,000 c	5,000 c	5,000 c					10,000	
											Total Funds:	13,441	

Description: Involves the addition of second platforms, canopy and platform extensions, replacement of signage and other related improvements at various VRE stations in order to keep the stations in good repair. This work will be done at various stations throughout the VRE system. Includes upgrades at Washington Union Terminal.

TIP ID: 4489			Agency ID: VRE0008			Title: Grant and Project Management			Complete: 2045			Total Cost: \$11,370	
Facility: System Wide			Sect. 5307	80/20/0	3,846 a	650 a	650 a					1,300	
From: Northern Virginia													
To:													
											Total Funds:	1,300	

Description: The costs of grants and project management, as well as staff participation in federal grants management seminars, will be capitalized to the grants, reserving operating funds for service provision.

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Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 4506 Agency ID: PRTC0005 Title: PRTC - Bus Acquisition / Replacement Program			Complete:		Total Cost:		\$10,338		
Facility: PRTC - Bus Acquisition	CMAQ	29/67/4	18,303 c						
From: NOVA Districtwide	Sect. 5307	100/0/0	1,200 c	850 c	850 c	850 c	2,550		
To:	Sect. 5309	80/16/4	572 a						
	Sect. 5339(a)	100/0/0	3,600 c						
Total Funds:									2,550

Description: Replacement of sixteen commuter buses manufactured in 2002 that have reached the end of their useful life.

TIP ID: 4534 Agency ID: VRE0009 Title: Rolling Stock Acquisition			Complete:		2045		Total Cost:		\$647,913
Facility: VRE Rolling Stock	Sect. 5307	80/16/4	3,894 c	1,947 c	1,947 c	3,894			
From: Systemwide	Sect. 5337-SGR	80/16/4	9,314 c	4,657 c	4,657 c	9,314			
To:									
Total Funds:									13,208

Description: This project includes funding for procurement additional rolling stock to support fleet expansion and fleet replacement, including 29 coaches under the current contract with Sumitomo.

TIP ID: 4818 Agency ID: VRE0001 Title: Rolling Stock Modifications and Overhauls			Complete:		2045		Total Cost:		\$48,207
Facility: VRE Rolling Stock	Sect. 5307	80/16/4	3,388 c						
From: Systemwide	Sect. 5309	80/16/4	2,283 c						
To:	Sect. 5337-SGR	80/16/4	22,239 c	3,420 c		3,420			
Total Funds:									3,420

Description: Technological developments and safety mandates from the Federal Railroad Administration (FRA), may require ongoing improvements to the VRE fleet as well as other ongoing improvements consistent with BRE;s rolling stock asset management program. Projects that bring VRE into compliance with future federal mandates will be given the highest funding priority. Implementing PTC as required by FRA.

TIP ID: 5489 Agency ID: VRE0012 Title: VRE Track Lease Improvements			Complete:		2045		Total Cost:		\$685,430
Facility: VRE Track	STBG	50/34/16	95,218 c	18,190 c		18,190			
From: Systemwide									
To:									
Total Funds:									18,190

Description: Provides capitalized access fees in the form of long term and related capital improvements on the railroad systems that VRE operates on, railroad systems owned by Amtrak, CSX, and Norfolk Southern.

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Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 5503 Agency ID: TIPGRP001		Title: Construction: Bridge Rehabilitation/Replacement/Reconstruction				Complete:		Total Cost:		\$184,923
Facility: District-wide Bridges	AC	89/11/0		530	a					530
From:	AC Conversion	80/20/0		125	c	4,384	c			4,509
To:	RSTP	80/20/0					125	a		125
	STBG	80/20/0			74	a				74
Total Funds:										5,238

Description: TIP Grouping project for Construction: Bridge Rehabilitation/Replacement/Reconstruction. See CLRP for the derivation of STIP Grouping and how they are part of the TIP. Individual projects within STIP Group are shown on Appendix A.

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Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 5506 Agency ID: TIPGRP003		Title: TIP Grouping project for Construction: Safety/ITS/Operational Improve				Complete:		Total Cost:		\$975,536
Facility: Safety/ITS/Operational Projects	AC 2	91/9/0		8,055 c	11,815 c	78 c				19,948
From: Districtwide	AC 5	83/17/0		1,057 a	20,941 a	16,950 a				38,948
To:	AC Conversion	80/20/0		878 a 445 c	1,203 a 437 c	1,301 a 283 c				4,547
	CMAQ 1	80/20/0		400 a 2,306 c	1,822 a	2,530 a 911 c				7,969
	DEMO	80/20/0		1,073 c						1,073
	HSIP	90/10/0		690 a 605 b	111 a 278 b 376 c	89 b				2,149
	NHPP	80/20/0		781 c	4,987 a					5,768
	RSTP	80/20/0		5 a 875 b 3,430 c	150 a 3,125 c	1,291 a 600 c				9,476
	State/Local	0/80/20		688 c	63 a					751
	STBG	80/20/0		1,313 b 4,854 c	1,270 c					7,437
Total Funds:										98,066

Description: TIP Grouping project for Construction: Safety/ITS/Operational Improvements. See Appendix A for specific projects and UPC information.

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Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 5523 Agency ID: TIPGRP004 Title: TIP Grouping project for Construction: Transportation Enhancement By							Complete:	Total Cost:		\$176,344
Facility: Transportation Enhancement Byway Non-Tr	AC	100/0/0		10 b		330 b				340
From: NoVA District	AC 1	92/8/0		11,779 c	6,537 c	718 c				19,034
To:	AC 2	80/20/0		139 a	292 a	425 a				856
	AC Conversion	80/20/0		63 a 238 c	166 a	285 a 669 c				1,421
	CMAQ	80/20/0		2,084 a 5,802 c	313 a 2,081 c	13 a 688 c				10,981
	DEMO	80/20/0		196 c						196
	NHPP	80/20/0		188 b	500 c					688
	RSTP	80/20/0		398 a 1,567 c	745 a 403 c	200 a 721 c				4,034
	STBG	80/20/0		1,331 c						1,331
	TAP	80/20/0		403 c						403
Total Funds:										39,284

Description: TIP Grouping project for Construction: Transportation Enhancement Byway Non-Traditional. See CLRP for the derivation of STIP Grouping and how they are part of the TIP. See Appendix A to see individual projects within this STIP Group.

TIP ID: 5524 Agency ID: TIPGRP005 Title: TIP Grouping project for Preventive Maintenance and System Preservat							Complete:	Total Cost:		\$86,157
Facility: Preventive Maintenance and System Preser	STBG 9	100/0/0	50,464 c	16,242 c	20,571 c	20,654 c				57,467
From: NoVA District										
To:										
Total Funds:										57,467

Description: This listing covers a number of projects/programs throughout Northern Virginia District. The nature/scope of these projects are Preventive Maintenance and System Preservation. These projects have been determined to be exempt from conformity requirements and are eligible for a Categorical Exclusion (CE) under NEPA and hence may be grouped as per April 9, 2008 MOA between FHWA, FTA, VDOT & VDRPT which was subsequently adopted by the NCR-TPB. Individual projects within the STIP Group are found in Appendix A.

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CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 5525 Agency ID: TIPGRP006 Title: TIP Grouping for Preventive Maintenance for Bridges			Complete:			Total Cost:			\$17,741
Facility: Bridges	NHPP	100/0/0	1,274 c						
From: NoVA District									
To:	STBG 9	100/0/0	13,947 c	2,734 c	3,462 c	3,476 c			9,672
	STP/E	100/0/0	2,905 c						
Total Funds:									9,672

Description: TIP Grouping for Preventive Maintenance for Bridges.

TIP ID: 5526 Agency ID: TIPGRP007 Title: TIP Grouping project for Maintenance: Traffic and Safety Operations			Complete:			Total Cost:			\$39,434
Facility: Traffic and Safety Operations	STBG	100/0/0	4,047 c	3,632 c	4,600 c	4,618 c			12,850
From: NoVA District									
To:	STBG 9	100/0/0	71,689 c						
Total Funds:									12,850

Description: TIP Grouping project for Maintenance: Traffic and Safety Operations. See CLRP for the derivation of STIP Grouping and how they are part of TIP. Individual projects within the STIP Group are found in Appendix A.

TIP ID: 5601 Agency ID: PRTC0004 Title: PRTC - Preventive Maintenance			Complete: 2045			Total Cost:			
Facility:	Sect. 5307	80/0/20	14,008 c	2,120 c	2,120 c	2,120 c			6,360
From:									
To:	Sect. 5337-SGR	80/0/20	6,200 c	770 c	770 c	770 c			2,310
	Sect. 5339(a)	80/0/20	1,965 c	2,030 c	2,030 c	2,030 c			6,090
	STBG	80/16/4	938 c						
Total Funds:									14,760

Description: Maintenance of the Omniride and Omnilink fleet.

TIP ID: 5707 Agency ID: PRTC0006 Title: PRTC Security Enhancements			Complete:			Total Cost:			\$846
Facility: PRTC Transit Center	Sect. 5307	80/16/4	31 c	17 c	17 c	18 c			52
From:									
To:									
Total Funds:									52

Description: Ongoing

Improves safety and security at the PRTC Transit Center. Grantees must certify that at least 1% of Formula funding received each fiscal year is being used for transit security projects. Projects include cameras, additional lighting, drills, communications systems, facility access, System Safety Security Plan, etc.

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CAPITAL COSTS (in \$1,000)**

Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 5930 Agency ID: 100566		Title: I-66 / Route 15 IINTERCHANGE RECONSTRUCTION				Complete:		Total Cost:		\$59,058
Facility: i-66	AC	100/0/0	1,486 b	1,845 b	1,614 b	2,036 c				5,819
From: Rte. I-66/Rte 15 Interchange			23,342 c		324 c					
To:	AC Conversion	100/0/0	5,000 b							
			58,320 c							
	IM	90/10/0	3,400 a							
	NHPP	100/0/0	2,026 b							
Total Funds:										5,819

Description: FROM: 0.224 Miles West of Rte. 15 TO: 0.371 Miles East of Rte. 15 (0.8380)

TIP ID: 6041 Agency ID: T11802		Title: Virginia Statewide Vehicle Fuel Conversion Program				Complete:		Total Cost:		\$25,740
Facility:	AC	80/20/0	37,834 c							
From:	AC Conversion	80/20/0	1,227 c							
To:	CMAQ	80/20/0	6,334 c	600 c	1,000 c	2,754 c				4,354
Total Funds:										4,354

Description: The project is for implementing the Statewide Vehicle Fuel Conversion Program.

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Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 6202 Agency ID: 97529		Title: Route 606 Loudoun County Parkway / Old Ox Rd.Reconstruction				Complete:		Total Cost:		\$90,700
Facility: VA 606 Loudoun County Parkway		AC	100/0/0	150 a						
From: VA 621 Evergreen Mills Road				24,704 b						
To: VA 267 Dulles Greenway				118,776 c						
AC 1		80/20/0		3,083 b						
AC Conversion		80/20/0			1,469 b	1,614 b				3,083
HBRRP		100/0/0		750 a						
RSTP		80/20/0		2,404 a						
				6,026 b						
Total Funds:										3,083

Description: Reconstruct and widen Route 606 to a four lane divided roadway with a continuous shared-use path along its north side between Route 621 (Evergreen Mills Road) and Route 267 (Dulles Greenway). Other major elements include: reconstruction of Route 606 and Loudoun County Parkway intersection at Route 842, Arcola Road, and a bridge that carries Old OX Road over the Horsepen dam emergency spillway.

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Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 6203 Agency ID: 102895		Title: Sycolin Road			Complete:			Total Cost:		\$15,450
Facility: Sycolin Road	AC	80/20/0	1,622 c							
From: Tolbert lane	AC 1	100/0/0	4,062 c							
To: Leesburg S Corporate Limits	AC Conversion	80/20/0		1,583 c	39 c					1,622
	EB/MG	80/20/0	606 c							
	REVSH	0/50/50	1,000 a 1,500 b 9,700 c							
	RSTP	80/20/0	387 b 2,169 c							
	State/Local	0/50/50	1,106 b 8,894 c							
	STBG 9	80/20/0	878 c							

Total Funds: 1,622

Description: Widen Sycolin Road from two to four lanes between the above cited limits. This segment is part of a larger project included in the regional air quality conformity analysis (VU33: Widen Sycolin Rd. between VA 7/US 15 Bypass and Leesburg SCL).

TIP ID: 6204 Agency ID: 90339		Title: Widen US Route 1			Complete:			Total Cost:		\$7,490
Facility: US 1	AC	100/0/0	8,020 a							
From: Brady's Hill Road 0.1 miles south of	EB/MG	80/20/0	182 a							
To: Dumfries Road 02. miles north of	NHPP	100/0/0	125 a							
	RSTP	80/20/0	30 a	16 a	21 a	23 a				60
	STBG	80/20/0	365 a							

Total Funds: 60

Description: Widen US Route 1 from 4 to 6 lanes between the above cited limits. This segment is part of a larger project included in the regional air quality conformity analysis (VP1ad: Widen US 1 between Brady's Hill Rd. and Cardinal Drive)

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CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 6247 Agency ID: 5559 Title: Rolling Road			Complete: 2025 Total Cost: \$51,210						
Facility: VA 638 Rolling Road	AC	100/0/0			1,580	c			1,580
From: VA 286 Fairfax Co. Pkwy (0.369 mi N. of Pk	AC 1	80/20/0	4,599	b					4,599
To: VA 644 Old Keene Mill Road	AC Conversion	80/20/0	1,457	b					1,457
	AC Conversion 1	68/32/0			3,142	b			3,142
	CMAQ	80/20/0	1,120	a					
	EB/MG	80/20/0		204	b				204
	Local	0/0/100	5,000	a	10,766	b	8,734	c	19,500
	REVSH	0/100/0	141	a					
			4,856	b					
	RSTP	80/20/0	1,858	a	1,500	b			1,500
Total Funds:									31,982

Description: Widening to 4 lanes

TIP ID: 6298 Agency ID: 96721 Title: Route 28 Widening			Complete: 2017 Total Cost: \$13,778							
Facility: VA 28 Nokesville Rd	AC	80/20/0	488	c						
From: Godwin Drive	AC 1	100/0/0	3,157	c						
To: City Southern Corporate Limits	NVTA	0/100/0	5,323	c						
	NVTA	100/0/0	5,323	c						
	REVSH	50/50/0	2,538	c						
	RSTP	80/20/0	1,312	a	128	c	170	c	187	485
			5,000	b						
			6,850	c						
Total Funds:									485	

Description: Widen to six lanes

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Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 6310 Agency ID: 94102		Title: US 1/RT 123 Interchange Construction Phase-I (Route 1 Widening ony)				Complete:		Total Cost:		\$56,414
Facility: US 1	AC	100/0/0	76,749 c							
From: 0.50 miles South of existing Rte 123	NHPP	100/0/0	8,439 c	3,291 c	8,128 c	1,484 c				12,903
To: 0.40 miles North of existing Rte 123	RSTP	80/20/0	525 c							
	STBG	100/0/0	83 c	3,800 c						3,800
Total Funds:										16,703

Description: Wide Route 1 in association with the US-1/RT 123 Interchange project.. Purpose: improve the flow of traffic, reduce accidents, and support traffic demand from the planned development in the area.

TIP ID: 6320 Agency ID: T10671		Title: VRE Rippon Platforms				Complete: 2025		Total Cost:		\$10,891
Facility: US 1	AC	100/0/0	7,290 c							
From: Farm Creek Drive	CMAQ	80/20/0	2,100 a	1,755 a						6,289
To: Rippon Blvd.			6,031 c	4,534 c						
Total Funds:										6,289

Description: Project includes additional funding for environmental review, PE/final design and construction to lengthen the existing platform at the VRE Rippon station from 400 feet to 650 feet and extend the canopy by 100 feet and design and construction of a second, 650 platform, canopy and elevator.

TIP ID: 6328 Agency ID:		Title: Amenities				Complete:		Total Cost:		\$13,661
Facility:	AC Conversion 1	80/20/0		226 c						226
From:										
To:										
Total Funds:										226

Description:

TIP ID: 6330 Agency ID:		Title: Transit Ridesharing				Complete:		Total Cost:		\$23,508
Facility:	AC	100/0/0			47 c					47
From:	AC Conversion 1	80/20/0		6,215 a	5,492 a	6,419 a				18,126
To:	CMAQ	80/20/0				35 c				35
Total Funds:										18,208

Description:

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	Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total	
TIP ID: 6331	Agency ID:	Title: Transit : Vehicles					Complete:	Total Cost:		\$34,474	

Facility: AC Conversion 1 80/20/0 2,655 c 2,655

From: _____

To: **Total Funds: 2,655**

Description:

TIP ID: 6333	Agency ID:	Title: Transit : Access					Complete:	Total Cost:		\$24,205	
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Facility: AC Conversion 80/20/0 202 c 4,183 c 4,385

From: _____

To: **Total Funds: 4,385**

Description:

TIP ID: 6361	Agency ID: 106025	Title: I-495 Northern Section Shoulder Use Debt Service					Complete:	Total Cost:		\$21,418	
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Facility: I-495 AC 100/0/0 29,993 c

From: South of Old Dominion Drive Overpass

To: George Washington Memorial Highway AC Conversion 100/0/0 4,257 c

NHPP 100/0/0 2,857 c 1,427 c 1,427 c 1,426 c 4,280

Total Funds: 4,280

Description: Debt service line item for I-495 Northern Section Shoulder Use. Associated with construction project UPC 105130.

TIP ID: 6362	Agency ID: 102891 and F	Title: Route 28 Metrorail Station (Innovation Station)					Complete: 2018	Total Cost:		\$83,000	
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Facility: 28 Innovation Station CMAQ 80/20/0 9,251 c 1,773 c 45 c 1,818

From: Silver Line at Route 28

To: NVTA 0/100/0 69,000 c

Total Funds: 1,818

Description: This metrorail station, part of PH II of the Silver Line extension, is vital to support the increase in development that has been approved. It will include pedestrian and bicycle improvements, bus bays and bus stop improvements, and park-and-ride and kiss-and-ride facilities. There is \$69 million in prior years (FY 2014) NVTA funding allocated to this project.

TIP ID: 6402	Agency ID: VRE0018	Title: CSX RF&P Rail Corridor Capacity Improvements					Complete: 2025	Total Cost:		\$104,160	
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Facility: CSX RF&P Rail Corridor State/Local 0/50/50 20,890 c 10,000 c 10,000

From: CF 557 Hamilton Interlocking (HA)

To: CF 1063 Slaters Lane Interlocking

Total Funds: 10,000

Description: Track, Signal and Switch work and VRE second platforms that support capacity expansion, operational flexibility and service expansion, including the VRE Potomac Shores Station

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			Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 6429 Agency ID: 104300			Title: Rogues Road Reconstruction				Complete: 2020			Total Cost:		\$9,391
Facility: Rogues Road			AC	100/0/0			5,901 c					5,901
From: Fauquier/Prince William County Line			STBG	80/20/0	767 a		1,473 c					1,473
To: RT 605					1,250 b							

Total Funds: 7,374

Description: Reconstruction without added capacity. Reconstruct and widen travel lanes and shoulders, improve drainage and safety of road and minimize maintenance.

TIP ID: 6441 Agency ID:			Title: Project Grouping: Constuction : Federal Lands Highway				Complete:			Total Cost:		\$10,541
Facility:			AC	100/0/0			4,428 a					4,428
From:												
To:												

Total Funds: 4,428

Description: Grouping for federally funded transportation improvements on federal lands.
TIP AMD to add Federal Lands grouping - add \$163,363 (PB - FLAP) FFY15 CN phase (lco 05/27/15)

TIP ID: 6443 Agency ID: 107187			Title: RICHMOND HIGHWAY CORRIDOR IMPROVEMENTS				Complete: 2022			Total Cost:		\$214,773
Facility: US 1 Richmond Highway			AC	100/0/0	3,500 a	2,700 a		114,180 b				116,880
From: VA Jeff Todd Way			NVTA-BOND	0/100/0	1,000 a							
To: VA Sherwood Lane			REVSH	0/50/50			20,000 b					20,000
			RSTP	80/20/0	9,000 a		8,093 b					8,093

Total Funds: 144,973

Description: Project will reconstruct and widen Richmond Highway (US Route 1) from four to six lanes and add bicycle and pedestrian facilities between the Mount Vernon Memorial Highway and Napper Road.

Amendment: New Funding **Approved on: 2/1/2019**
 update based on actual oblig's & current estimate: move \$800,000 (AC-Other NVTA) from FFY18 to Prev, move \$2,700,000 (AC-Other NVTA) from FFY18 to FFY19, PE phase; add \$114,179,601 (AC-Other NVTA), \$10,000,000 (REVSH) & \$6,474,595 (RSTP) FFY21 RW phase.

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CAPITAL COSTS (in \$1,000)**

Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total	
TIP ID: 6446 Agency ID: 104303		Title: Route 1 Widening from Featherstone Road to Mary's Way					Complete: 2019		Total Cost:		\$84,574
Facility: US 1 Route 1	AC	100/0/0	6,540 b								
From: Featherstone Road	AC Conversion	85/15/0	9,242 b	9,213 b	5,620 b					14,833	
To: Mary's Way	NHPP	100/0/0	4,205 b								
	NVTA-PAYGO	0/100/0	4,100 a 23,600 b	37,535 c						37,535	
	RSTP	80/20/0	-200 a								
Total Funds:										52,368	

Description: Widen from a 4 lane undivided highway to a 6 lane divided highway

TIP ID: 6485 Agency ID:		Title: Project Grouping: Construction: Recreational Trails					Complete:		Total Cost:		\$4,833
Facility:	AC	100/0/0		736 c						736	
From:	RSTP	80/20/0	2,188 b	2,830 c						2,830	
To:											
Total Funds:										3,566	

Description: Project Grouping for construction of recreational trails that do not impact the Air Quality Conformity Analysis.

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Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 6519 Agency ID: 99478 Title: #HB2.FY17 RTE 7 CORRIDOR IMPROVEMENTS - PHASE 1			Complete: 2022				Total Cost: \$187,914		
Facility: RT 7 Leesburg Pike	AC	80/20/0	25,929 c						
From: Reston Ave									
To: Jarrett Valley Drive	AC 1	100/0/0	196 a						
			27,000 b						
			137,511 c						
AC Conversion	80/20/0		12,131 c	21,781 c	1,278 c				35,190
AC Conversion 1	100/0/0		1,154 a	2,039 b	2,768 b				6,196
			235 b						
NHPP	100/0/0		1,899 a						
RSTP	80/20/0		6,217 b						
			16,418 c						
STBG 9	100/0/0		2,748 c						
Total Funds:									41,386

Description: Rt 7 Corridor Improvements to add one travel lane both EB and WB; upgrade intersections; and construct pedestrian and bicycle facilities EB and WB.



FROM: Reston Avenue TO: Jarrett Valley Drive (0.5000 MI)

TIP ID: 6537 Agency ID: 105521 Title: Widen East Spring Street			Complete: 2019				Total Cost: \$11,468		
Facility: Spring Street	AC	100/0/0	73 a	3,373 b	3,512 c				6,885
From: Herndon Parkway			2,000 b						
To: Fairfax County Parkway	AC 1	80/20/0		715 b					715
	AC Conversion	80/20/0			415 b	200 b			615
	RSTP	80/20/0		90 b					90
Total Funds:									8,305

Description: Widen Spring Street from 4 lanes to 6 lanes, FXCO PKWY ramp improvements, intersection improvements, sidewalk



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Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 6539 Agency ID: 106917		Title: #HB2.FY17 RTE 7 CORRIDOR IMPROVEMENTS - PHASE 2				Complete: 2024		Total Cost:		\$125,958
Facility: VA 7 Leesburg Pike	AC	100/0/0	345 a							
From: Reston Avenue			35,000 b							
To: 500 ft. E of Colvin Forest Drive			43,084 c							
AC 1	0/100/0		957 a							
AC 3	85/15/0		c							
AC Conversion	100/0/0			49 a	947 b	1,636 b				3,485
				853 b						
AC Conversion 2	80/20/0			8,547 c	7,027 c	14,079 c				29,653
NHPP	100/0/0		1,190 a							
			375 b							
RSTP	80/20/0		43 a							
			26,040 c							

Total Funds: 33,138

Description: Phase 2 for Rt 7 Corridor Improvements to add one travel lane both EB and WB; upgrade intersections; and construct pedestrian and bicycle facilities EB and WB

Reconstruction w/ Added Capacity - FROM: Reston Avenue TO: 500 ft. E of Colvin Forest Drive (3.2500 MI)

TIP AMD - add \$34,658 (RSTP) & \$956,677 (AC-Other GARVEE) FFY17 PE phase. (lco 9/27/16)

child project of UPC 99478

FROM: Reston Avenue TO: 500 ft. E of Colvin Forest Drive (3.2500 MI)

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Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 6541 Agency ID: 107947		Title: NEABSCO MILLS ROAD - Widen to 4 lanes				Complete: 2024		Total Cost:		\$35,013
Facility: Neabsco Mills Road	AC	80/20/0	453 b		1,596 b					1,596
From: Smoke Court										
To: US 1 Jefferson Davis Highway	AC Conversion	80/20/0				1,596 b				1,596
	REVSH	50/50/0	2,000 b							
	RSTP	80/20/0	2,650 a 1,848 b		4,689 b					4,689
Total Funds:										7,881

Description: Widen Neabsco Mills Road to 4 lanes between Smoke Ct (S. of Dale Blvd) and Route 1.

TIP ID: 6543 Agency ID: 110376		Title: I-66 / Route 15 IINTERCHANGE RECONSTRUCTION GARVEE DEBT SE				Complete:		Total Cost:		\$17,543
Facility: I 66	AC	100/0/0	14,612 a	1,650 a						1,650
From: Rte. I-66/Rte 15 Interchange										
To:	AC Conversion	100/0/0			1,557 a	1,459 a				3,016
	NHPP	100/0/0	2,931 a							
Total Funds:										4,666

Description:

TIP ID: 6544 Agency ID: 108424		Title: I-66 Inside of the Beltway Initiatives				Complete:		Total Cost:		\$125,000
Facility: I 66	AC	100/0/0	9,466 a							
From: I 495			-4,200 b							
To: US 29 Near Rosslyn, Arlington			-5,100 c							
	AC Conversion	100/0/0	1,031 a	4,253 a	3,214 a	4,050 b	750 b	106 c		12,373
	NHPP	100/0/0	4,003 a	3,214 a						3,214
Total Funds:										15,587

Description: From: Exit 67 DULLES AIRPORT ACCESS ROAD TO: 71 N. GEORGE MASON DRIVE (4.0000MI)

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Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 6545 Agency ID: 110392		Title: I-66 Inside of the Beltway Initiatives GARVEE DEBT SERVICES				Complete:		Total Cost:		\$30,418
Facility: I 66	AC	100/0/0	26,621 a							
From: I 495	AC Conversion	100/0/0		3,438 a	3,236 a	3,045 a				9,719
To: U 29 Near Rosslyn, Arlington	NHPP	100/0/0	3,797 a							
Total Funds:										9,719

Description:

TIP ID: 6546 Agency ID: 110377		Title: #HB2.FY17 RTE 7 CORRIDOR IMPROVEMENTS - PH 1 GARVEE DEBT				Complete: 2022		Total Cost:		\$31,473
Facility: VA 7	AC	100/0/0	23,294 a	6,463 a						6,463
From: Reston Avenue	AC Conversion	100/0/0	1,017 a	1,051 a	1,682 a	2,161 a				4,894
To: Jarrett Valley Drive	NHPP	100/0/0	698 a							
Total Funds:										11,357

Description:



TIP ID: 6547 Agency ID: 110378		Title: HB2.FY17 RTE 7 CORRIDOR IMPROVEMENTS - PHASE 2 GARVEE DE				Complete: 2022		Total Cost:		\$14,931
Facility: VA 7	AC	100/0/0	14,197 a							
From: Reston Avenue	AC Conversion	100/0/0		1,401 a	1,552 a	1,457 a				4,410
To: Jarrett Valley Drive	NHPP	100/0/0	1,566 a							
Total Funds:										4,410

Description:



TIP ID: 6548 Agency ID: 110375		Title: #HB2.FY17 Const Inter AT RTE 15/17/29 BUS GARVEE DEBT SERVICES				Complete:		Total Cost:		\$9,037
Facility: US 15 INTERCHANGE	AC	100/0/0	8,098 a							
From: US 29	AC Conversion	100/0/0	428 a	818 a	764 a	719 a				2,301
To: VA 17	NHPP	100/0/0	485 a							
Total Funds:										2,301

Description:

VDOT

- Bicycle/Pedestrian Accommodations Included

a - PE b - ROW Acquisition c - Construction d - Study e - Other

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2/4/2019

**NORTHERN VIRGINIA
FY 2019-2024 TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 6550 Agency ID: 102903 Title: Widen Liberia Avenue - PE Only						Complete:	Total Cost:		\$1,554
Facility: Liberia Avenue	RSTP	80/20/0	911 a	643 a					643
From: VA 28									Total Funds: 643
To: Quarry Road									
Description: Reconstruction w/ Added Capacity									

TIP ID: 6553 Agency ID: 105584 Title: ROUTE 7/GEORGE WASHINGTON BLVD OVERPASS						Complete:	Total Cost:		\$27,339
Facility: VA 7 Harry Bird Highway	AC	80/20/0	191 b	11,526 c					11,526
From: Overpass @ G.W. Blvd	AC Conversion	80/20/0		191 b	8,526 c	3,000 c			11,717
To:	RSTP	80/20/0	1,367 a 5,722 b	8,031 c					8,031
									Total Funds: 31,274

Description: Project will Improve traffic operations on Route 7 by constructing a grade separated overpass at Route 1050 George Washington Blvd. FROM: 0. 25 MI. S. OF RESEARCH PLACE TO: CENTER LINE OF RESEARCH PLACE (0.2500 MI)

TIP ID: 6559 Agency ID: 104816 Title: RTE 840 UNIVERSITY BOULEVARD WIDENING AND EXTENSION -PE O						Complete:	Total Cost:		\$32,985
Facility: University Boulevard	RSTP	80/20/0				1,700 a			1,700
From: VA 1566 Suddly Manor Drive									Total Funds: 1,700
To: VA 621 Devlin Road									
Description: FROM: Route 621 (Devlin Road) TO: Route 1566 (Sudley Manor Drive) (1.2900 MI)									

TIP ID: 6583 Agency ID: 112479 Title: Soapstone Connector						Complete: 2022	Total Cost:		\$215,900
Facility: Soapstone Connector	AC	100/0/0	7,740 a			125,291 b			125,291
From: Sunrise Valley Dr	NVTA	0/0/100	8,250 a						
To: Sunset Hills Dr	REVSH	0/50/50			1,470 a	10,709 b			12,179
									Total Funds: 137,470

Description: New multimodal roadway between Sunset Hills Rd and Sunrise Valley Dr. in Reston. Near Wiehle-Reston East Metrorail Station, includes crossing over the Dulles Corridor. Includes 4 lane cross section, on-road bike, sidewalk, and shared use path.

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**NORTHERN VIRGINIA
FY 2019-2024 TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 6593 Agency ID: 110739 Title: I-395 EXPRESS LANES NORTHERN EXTENSION						Complete: 2020		Total Cost: \$462,000	
Facility: I 395	PRIV	0/0/0	303,492 c	158,508 c					158,508
From: Turkeycock Run									
To: Vicinity of Eads Street									Total Funds: 158,508
Description: To construct I395 Express Lanes Northern Extension from Edsall Road to Washington DC Line. (Consessionaire Transurban)									

TIP ID: 6600 Agency ID: Title: Dulles West Boulevard Phase 1						Complete: 2022		Total Cost:	
Facility: Dulles West Blvd	NVTA-PAYGO	0/100/0		8,100 b					8,100
From: Dulles Landing Drive									
To: Hutchinson Farm Drive									Total Funds: 8,100
Description:									

TIP ID: 6601 Agency ID: Title: Dulles West Boulevard Phase 2						Complete:		Total Cost:	
Facility: Dulles West Blvd	NVTA-PAYGO	0/70/30		9,114 c					9,114
From: Hutchinson Farm Drive									
To: Arcola Blvd									Total Funds: 9,114
Description: 4-lane divided									

TIP ID: 6602 Agency ID: Title: Dulles West Boulevard Phase 3						Complete:		Total Cost:	
Facility: Dulles West Blvd.	BD	0/0/100		10,600 c					10,600
From: Arcola Blvd.									
To: Northstar Blvd.	NVTA	0/70/30				12,100 b			12,100
Total Funds: 22,700									
Description: Construct new 4-lane divided									

TIP ID: 6604 Agency ID: 110329 Title: Lee Highway Widening Phase II						Complete: 2024		Total Cost: \$66,974	
Facility: US 29 Lee Highway	AC	100/0/0	5,478 a						
From: VA 659 Union Mill Road	AC Conversion	100/0/0		235 a	246 a	259 a			740
To: Buckleys Gate Drive	NHPP	100/0/0	174 a						
Total Funds: 740									
Description: Widen Route 29 from 4 lanes to 6 lanes from Union Mill Road to Buckley's Gate Drive, with added capacity, improved geometrics and pedestrian/bicycle facilities. Corresponding Debt Service UPC is 111986.									

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2/4/2019

**NORTHERN VIRGINIA
FY 2019-2024 TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

			Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 6605 Agency ID: 111986			Title: Lee Highway Widening Phase II -- GARVEE DEBT SERVICE						Complete: 2037		Total Cost: \$19,188	
Facility: US 29 Lee Highway			AC	100/0/0	19,125 a			204 a				204
From: VA 659 Union Mill Road												
To: Buckleys Gate Drive			AC Conversion	100/0/0		228 a	216 a					444
			NHPP	100/0/0	184 a							
											Total Funds:	648

Description: Debt Service Required for construction of UPC 110329



TIP ID: 6617 Agency ID: T-105			Title: Sudley Road 3rd Lane, NB						Complete: 2021		Total Cost: \$7,400	
Facility: VA 234 Sudley Road			State/Local	0/100/0				7,400 c				7,400
From: Grant Avenue												
To: Godwin Drive												
											Total Funds:	7,400

Description: Construct the 3rd lane NB between Grant Avenue & Godwin Drive



TIP ID: 6618 Agency ID: 111666			Title: ROUTE 7/ROUTE 690 INTERCHANGE #SMART18						Complete: 2025		Total Cost: \$36,165	
Facility: VA 7 Harry Byrd Highway			AC	100/0/0		3,948 a						3,948
From: VA 690 Hillsboro Road												
To:			NHPP	100/0/0				602 b				602
											Total Funds:	4,550

Description: This new Interchange at RT 7 and RT 690 will include a shared use path and four ramps.



Modification: STIP Adjustment Move \$3,948,000 from FFY18 to FFY19	Approved on: 2/4/2019
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TIP ID: 6621 Agency ID: T20906			Title: VA 234 Bypass Interchange @ Balls Ford Road						Complete: 2027		Total Cost: \$145,000	
Facility: VA 234			PRIV	0/0/0	14,001 a		12,300 b	118,100 c				130,400
From: Balls Foard Relocated												
To:												
											Total Funds:	130,400

Description: Construct an interchange at Balls Ford Road FROM: 0.6 Mi. S. of Existing Balls Ford Road (Rte 621) TO: Existing Balls Ford Road (Rte 621) (0.6000 MI)

TIP ID: 6623 Agency ID: T20903			Title: Rte 621 BALLS FORD ROAD WIDEN TO 4 LANES						Complete: 2023		Total Cost: \$67,405	
Facility: VA 621 Balls Ford Road			PRIV	0/0/0	5,435 a		9,570 b	52,400 c				61,970
From: VA 234 Sudley Road												
To: Groveton Road												
											Total Funds:	61,970

Description: FROM: Groveton Road TO: Sudley Road (Route 234) (1.9000 MI)

Amended and Modified as of
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**NORTHERN VIRGINIA
FY 2019-2024 TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

		Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 6626	Agency ID: T21453	Title: Transit Store Funding - Alexandria				Complete: 2025				Total Cost: \$1	
Facility:		CMAQ	80/20/0				600 e				600
From:											
To:											
Description: Monitoring Fund											
Total Funds: 600											

TIP ID: 6627	Agency ID: T21240	Title: COMMUTER ASSISTANCE PROGRAM				Complete: 2025				Total Cost: \$34,533	
Facility:		CMAQ	80/20/0		1,415 e	3,198 e	4,131 e	4,484 e	4,811 e	408 e	18,447
From:											
To:		RSTP	80/20/0		7,040 e	2,975 e	1,029 e				11,044
Total Funds: 29,491											
Description:											

TIP ID: 6628	Agency ID: T21448	Title: FAIRFAX COUNTYWIDE TRANSIT STORES				Complete: 2025				Total Cost: \$3,760	
Facility:		CMAQ	80/20/0		600 e	600 e	620 e	640 e	650 e	650 e	3,760
From:											
To:											
Total Funds: 3,760											
Description:											

TIP ID: 6629	Agency ID: T21457	Title: PRTC COMMUTER ASSISTANCE PROGRAM				Complete: 2025				Total Cost: \$2,050	
Facility:		CMAQ	80/20/0		300 e	350 e	350 e	350 e	350 e	350 e	2,050
From:											
To:											
Total Funds: 2,050											
Description:											

TIP ID: 6630	Agency ID: T21459	Title: BUS REPLACEMENT (OMNIRIDE EXPRESS COMMUTER BUSES)				Complete: 2025				Total Cost: \$11,978	
Facility:		CMAQ	80/20/0							1,500 e	1,500
From:											
To:											
Total Funds: 1,500											
Description:											

Amended and Modified as of
2/4/2019

**NORTHERN VIRGINIA
FY 2019-2024 TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 6631 Agency ID: T21031, T2103 Title: WMATA REPLACEMENT BUSES							Complete: 2025	Total Cost:	\$3,700
Facility: CMAQ	80/20/0							3,700 e	3,700
From:									
To:									Total Funds: 3,700
Description:									

TIP ID: 6659 Agency ID: 111670 Title: VA Route 645 Extended - Westwind Drive							Complete: 2026	Total Cost:	\$43,278
Facility: VA 645 Westwind Drive	AC	100/0/0	4,654 a			7,600 b			12,254
From: VA 607 Loudoun County (opposite Mooref									
To: VA 606 Old Ox Road									Total Funds: 12,254
Description: Westwind Drive/Ladbrook Drive (VA Route 645 Extended) will provide an additional road connection across Broad Run between Loudoun County Parkway (VA Route 607) (in the Ashburn Community) and the Old Ox Road (VA Route 606) corridor. Future construction of this four lane divided road segment (Loudoun Typical Section for U4M) and bridge crossing will provide another east west connection in Loudoun's UDA. Between the Dulles Greenway and Evergreen Mills Road there are no other east west roadways across Broad Run, thereby hindering economic development and increasing vehicle miles travels for residents. This project can be found in Loudoun County's Capital Improvement Program and missing link #101 in Eastern Loudoun's Transportation Study.									

TIP ID: 6661 Agency ID: 106474 Title: TDM Monitoring Funds							Complete: 2023	Total Cost:	\$9,029
Facility: AC	80/20/0		797 a						797
From:									
To: AC Conversion	80/20/0			797 a					797
CMAQ	80/20/0		8,294 a						8,294
									Total Funds: 9,888

Description: TERMS - actions to reduce automobile emissions through various Transportation Demand Management (TDM) actions. VDOT and other regional stakeholders collaborate through the MWCOC Commuter Connections program to implement the TERMS. This project had been part of a TIP Grouping and is being "un-grouped" to make it easier to for COG staff track Commuter Connections funds.

TIP ID: 6662 Agency ID: 105784 Title: Riverside Parkway (VA Route 7 North Collector Road) Extension							Complete: 2023	Total Cost:	\$14,027
Facility: Riverside Parkway	AC	100/0/0				615 c			615
From: 0.567 Mi W of Loudoun County Parkway									
To: 0.103 E. of Loudoun County Parkway	REVSH	0/50/50	615 a			10,797 c			13,412
			2,000 b						
									Total Funds: 14,027

Description: Construction of a four-lane divided roadway with multi-use trails on both sides to complete the Route 7 North Collector Road between the Route 15 Bypass in Leesburg to the George Washington Boulevard in Ashburn



Amended and Modified as of
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**NORTHERN VIRGINIA
FY 2019-2024 TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 6663 Agency ID: 105783 Title: STERLING BOULEVARD - 4 LANE CONSTRUCTION ON NEW ALIGNME			Complete:		Total Cost:		\$24,100		
Facility: VA 846 Sterling Blvd	REVSH	0/50/50	2,000 a		5,900 b				7,900
From: VA 625 Pacific Blvd									
To: VA 634 Moran Road									Total Funds: 7,900
Description: THE CONSTRUCTION PROJECT WILL COMPLETE AN EXISTING GAP BY PROVIDING A 4 LANE DIVIDED FACILITY FROM PACIFIC BOULEVARD TO MORAN ROAD.									

TIP ID: 6664 Agency ID: 106996 Title: FARMWELL ROAD WIDENING FROM 4 TO 6 LANES			Complete:		Total Cost:		\$7,000		
Facility: VA 640 Farmwell Road	REVSH	0/50/50	1,000 a						1,000
From: Smith Switch Road									
To: VA 641 Ashburn Road									Total Funds: 1,000
Description: Widen Farmwell Road from 4 to 6 lanes									

TIP ID: 6665 Agency ID: 114098 Title: CONNECTOR ROAD FROM SUNRISE VALLEY DR TO INNOVATION AVE			Complete: 2022		Total Cost:		\$1,000		
Facility: Overpass	AC	100/0/0	1,000 a						1,000
From: VA 5320 Sunrise Valley Drive									
To: Innovation Avenue									Total Funds: 1,000
Description: Construct a four-lane roadway over the Dulles Toll Road from Sunrise Valley Drive on the south side to Innovation Avenue in Loudoun County on the north side. The project would include pedestrian and bicycle facilities.									

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

Approved
10/17/2018

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
FY 2019-2024 TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)

		Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 5853		Agency ID:		Title: Rail Cars - Replacement, Rehabilitation, Expansion, & Enhancements							
Facility:		Local	0/0/100		89,348 e	6,300 e	114,693 e	103,610 e	74,947 e	265,787 e	654,684
From:											
To:		PRIIA	50/0/50		235,101 e	81,305 e					316,406
		Sect. 5337-SGR	80/0/20		95,000 e	55,156 e	86,811 e	88,516 e	90,271 e	92,079 e	507,833
		WIP	0/0/100		1,339 e	5,585 e	37,961 e	6,539 e	1,505 e	3,020 e	55,948
Total Funds: 1,534,871											

Description: Provides funds for:

- a. Replacement of Rail Cars: replacement of the rail fleet, including the 1000-Series and 4000-Series rail cars.
- b. Rehabilitation of Rail Cars: mid-life rehabilitation of rail fleet.
- c. Rail Fleet Expansion: expansion of the rail fleet to meet ridership growth.
- d. Rail Enhancements: enhancements to the rail fleet that improve safety, reliability, and passenger comfort.
- e. Preventative Maintenance for railcars

TIP ID: 5854		Agency ID:		Title: Buses - Replacement, Rehabilitation, Expansion, & Enhancements							
Facility:		CMAQ	80/0/20		7,399 e	4,500 e	5,164 e	5,536 e	3,500 e	3,500 e	29,599
From:											
To:		Local	0/0/100		13,433 e	11,083 e	19,305 e	12,146 e	18,310 e	19,479 e	93,756
		Sect. 5307	80/0/20		126,187 e	157,114 e	162,296 e	142,155 e	147,847 e	151,404 e	887,003
		Sect. 5339(a)	80/0/20		10,530 e		14,156 e				24,686
		Sect. 5339(b)	80/0/20			14,156 e		14,156 e	14,156 e	14,156 e	56,623
Total Funds: 1,091,667											

Description: Provides funds for

- a. Replacement of Buses: replacement of the bus fleet.
- b. Rehabilitation of Buses: mid-life rehabilitation of the bus fleet.
- c. Bus Enhancements: purchase and/or replacement of equipment that upgrades or enhances the capability of the bus fleet.
- d. Bus Fleet Expansion: expansion of the bus fleet to meet ridership growth.

TIP ID: 5855		Agency ID:		Title: MetroAccess and Service Vehicles							
Facility:		Local	0/0/100		6,000 e	4,200 e	4,620 e	5,082 e	5,590 e	5,590 e	31,082
From:											
To:											
Total Funds: 31,082											

Description: Provides funds for

- a. MetroAccess Vehicles: purchase/ replacement of Metro Access vehicles.
- b. Replacement of Service Vehicles: purchase/ replacement of vehicles that will be used Authority-wide for service activities.

Approved
10/17/2018

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
FY 2019-2024 TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)

Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 5856 Agency ID:		Title: Rail Line Segment Rehabilitation								
Facility:	Local	0/0/100		97,130 e	50,867 e	145,366 e	50,702 e	47,594 e	38,909 e	430,568
From:										
To:	PRIIA	50/0/50		58,899 e	125,696 e					184,595
	Sect. 5337-SGR	80/0/20		10,250 e			19,000 e	10,038 e	5,091 e	44,379
	WIP	0/0/100		8,000 e	5,500 e	4,000 e				17,500
Total Funds: 677,042										

Description: a. Provides funds for rehabilitation of segments of Metrorail system, particularly the Red, Orange and Blue lines.
b. Preventative Maintenance for rail system infrastructure rehabilitation.

TIP ID: 5857 Agency ID:		Title: Bus Garages - Systemwide Maintenance, Expansion, Rehabilitation, and Replacement								
Facility:	Local	0/0/100		15,000 e	93,595 e	65,257 e	99,635 e	75,335 e	47,313 e	396,135
From:										
To:	Sect. 5307	80/0/20		15,000 e						15,000
Total Funds: 411,135										

Description: Provides funds for:
a. Rehabilitation and Replacement of Bus Garages: upgrades, rehabilitation, and/or replacement of bus garages and maintenance facilities, including the rehabilitation of the Bladensburg bus facility and the replacement of the Southern Avenue, Royal Street (Cinder Bed Road), Shepard Parkway bus garages.
b. Maintenance of Bus Garages: maintenance of bus garages/maintenance facilities.
c. Expansion of Bus Garages: expansion of bus garages to meet storage and maintenance needs of growing fleet.

TIP ID: 5858 Agency ID:		Title: Systems and Technology								
Facility:	Local	0/0/100		84,305 e	101,548 e	109,606 e	134,877 e	128,911 e	115,508 e	674,755
From:										
To:										
Total Funds: 674,755										

Description: Provides funds for
a. Rail Power Systems: upgrade of rail system's power supply.
b. Operations Support Software: purchase and/or replacement of software that supports the transit system.
c. Business Support Software & Equipment: purchase and/or replacement of software and equipment that supports the agency's mission.
d. Rail Fare Equipment: purchase and/or replacement of fare equipment for the transit system.

Approved
10/17/2018

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
FY 2019-2024 TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)

		Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 5859		Agency ID:		Title: Track and Structures							
Facility:	Local	0/0/100			69,846 e	55,298 e	140,162 e	186,403 e	295,117 e	214,117 e	960,943
From:											
To:	PRIIA	50/0/50				41,499 e					41,499
	Sect. 5337-SGR	80/0/20			76,639 e	97,797 e	98,637 e	97,438 e	104,644 e	107,783 e	582,937
Total Funds: 1,585,379											

Description: Provides funds for:
a. Track Rehabilitation: maintain and rehabilitate track and track infrastructure including aerial structures.
b. Station/Tunnel Rehabilitation: repair of water leaks in stations, vent shafts, air ducts, tunnels, tunnel liners, and other areas in the system.
c. Preventative Maintenance for track and structures

TIP ID: 5860		Agency ID:		Title: Passenger Facilities							
Facility:	Local	0/0/100			116,179 e	138,580 e	149,228 e	199,580 e	188,979 e	198,430 e	990,976
From:											
To:	Sect. 5307	80/0/20			47,564 e	49,477 e	34,395 e	54,536 e	48,844 e	45,286 e	280,101
	WIP	0/0/100			21,147 e	35,035 e	26,426 e	25,500 e	12,000 e		120,107
Total Funds: 1,391,184											

Description: Provides funds for
a. Elevator/ Escalator Facilities: rehabilitation of elevator and escalators and expansion of elevator capacity.
b. Maintenance of Rail Station Facilities: upgrade, rehabilitation, and/or replacement of station area components.
c. Bicycle/ Pedestrian Facilities: rehabilitation, replacement and expansion of bicycle and pedestrian facilities.
d. Rail Station Capacity/ Enhancements: expand the capacity of rail stations, improve passenger access, and protect exposed assets.
e. Bus Priority Corridor Improvements: bus stops, runningway enhancements, street operations management and safety strategies to produce more reliable bus.
f. Rail Station Equipment: purchase of equipment to be used in rail stations, including police emergency management equipment and other related.
g. Preventative Maintenance for passenger facilities

TIP ID: 5861		Agency ID:		Title: Maintenance Equipment							
Facility:	Local	0/0/100			1,500 e	2,000 e	2,000 e	2,000 e	2,000 e	2,000 e	11,500
From:											
To:											Total Funds: 11,500

Description: Provides funds for
a. Rail Maintenance Equipment: purchase and/or replacement of equipment to maintain the rail system.
b. Bus Repair Equipment: purchase and/or replacement of repair equipment.
c. Business Facilities Equipment: purchase and/or replacement of equipment that supports the business process of the agency.

Approved
10/17/2018

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
FY 2019-2024 TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)

Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 5862 Agency ID: Title: Other Support Facilities									
Facility:	Local	0/0/100	5,800 e	14,500 e	14,500 e	104,500 e	39,500 e	4,500 e	183,300
From:									
To:	Total Funds: 183,300								

Description: Provides funds for:

- a. Business Support Facilities: facilities that support business operations functions.
- b. Metro Transit Police Department (MTPD) Support Facilities Rehabilitation: upgrade and rehabilitation of MTPD facilities.
- c. MTPD Support Facilities Expansion: expansion of MTPD to meet new ridership and facility demands, to include the new District 2, police training facility, and special operations division facility.

TIP ID: 5863 Agency ID: Title: Credit Facility										
Facility:	Local	0/0/100	30,785 e	5,499 e	5,450 e	5,750 e	6,205 e	17,000 e	7,500 e	47,404
From:										
To:	Total Funds: 47,404									

Description: Provides funds to maintain a line of credit to meet cash flow needs.

TIP ID: 5866 Agency ID: Title: Rail Yards - Systemwide Maintenance, Expansion, Rehabilitation and Replacement										
Facility:	Local	0/0/100	9,300 e	398 e	32,000 e	15,000 e	5,000 e			61,698
From:										
To:	PRIIA	50/0/50	3,000 e	22,000 e						25,000
									Total Funds: 86,698	

Description: Provides funds for

- a. Maintenance of Rail Yards: maintenance and/or rehabilitation of rail maintenance yards.
- b. Rail Maintenance Facilities: construction and/or replacement of rail maintenance facilities.

TIP ID: 5867 Agency ID: Title: Facilities Maintenance Support – Systemwide Support Equipment, Environmental Compl Projects and Adm Support											
Facility:	Local	0/0/100	17,309 e	30,829 e	74,842 e	127,207 e	193,950 e	208,792 e	652,929		
From:											
To:	PRIIA	50/0/50	26,500 e							26,500	
	Sect. 5337-SGR	80/0/20	52,000 e		19,505 e						71,505
	Sect. 5339(b)	80/0/20	4,500 e							4,500	
									Total Funds: 755,434		

Description: Provides funds for:

- a. Environmental Compliance Projects: facility or equipment upgrades and/or replacements required to comply with environmental regulatory requirements or directives.
- b. Maintenance Bus & Rail Facilities: upgrades, rehabilitation, and/or replacements of systemwide support equipment, financial planning and project administration, to include a new test track, railcar commissioning facility and New Carrollton Yard capacity improvements.

NATIONAL CAPITAL REGION TRANSPORTATION PLANNING BOARD

**NATIONAL CAPITAL REGION TRANSPORTATION PLANNING BOARD
FY 2019-2024 TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)**

**Approved
10/17/2018**

	Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total	
TIP ID: 6366		Agency ID:		Title: Enhanced Mobility of Seniors and Individuals with Disabilities						Complete:	
Facility:	Sect. 5310	100/0/0		2,832 e	2,832 e	2,832 e	2,832 e			11,328	
From:										Total Funds:	11,328
To:											

Description: This program is intended to enhance mobility for seniors and persons with disabilities by providing funds for programs to serve the special needs of transit-dependent populations beyond traditional public transportation services and Americans with Disabilities Act (ADA) complementary paratransit services.

These funds are for the urbanized area within the District of Columbia, Maryland and Virginia metropolitan region.

Subrecipient	Program Description	Total Project Cost (\$1,000s)	Federal Share	Location
Capitol Hill Village	Volunteer driver program enhancement continuation, mobility counseling, travel training with peer mentors (mobility management)	\$665	\$532	DC
Jewish Council for the Aging	Volunteer driver resource center continuation with expansion to Northern Virginia and underserved parts of suburban Maryland (mobility management)	\$644	\$515	Suburban Maryland and Northern Virginia
Montgomery County Department of Transportation	Subsidy for existing Call-n-Ride taxi voucher program (operating)	\$1,108	\$554	Montgomery County, MD
The Arc of Northern Virginia	Expansion of Train the Travel Trainer for schools and human service agencies (mobility management)	\$375	\$300	Northern Virginia
Dulles Area Transportation Association	Bilingual Spanish-speaking volunteer and driver recruitment in partnership with existing transportation services (mobility management)	\$188	\$150	Fairfax and Loudoun Counties, VA
Fairfax County Neighborhood & Community Services	Continuation and expansion of mobility management project to include promotion of travel training, information on options and improvement to intake call center (mobility management)	\$488	\$390	Fairfax County, VA
City of Rockville	Bus stop and sidewalk improvements	\$495	\$396	City of Rockville, MD
Boat People SOS	Travel training on fixed-route services and other transportation options and development of a culturally and linguistically appropriate transportation guidebook for the Vietnamese-speaking population (mobility management)	\$81	\$65	Northern Virginia
The Arc of Greater Prince William/INSIGHT, Inc.	Six vehicles (wheelchair accessible minivans and 15-passenger buses) to transport adults with disabilities to employment, training, adult day programming, medical appointments and for community integration	\$346	\$277	Prince William County, City of Manassas, City of Manassas Park, and Fairfax County, VA
Jewish Council for the Aging	Two 19-passenger replacement buses to transport older adults and people with disabilities to adult day programming, shopping, and activity and wellness programming at area senior centers	\$207	\$166	Primarily Montgomery County, MD with trips throughout region
Easter Seals Serving DC\MD\VA	Four replacement wheelchair accessible vehicles to transport older adults and people with disabilities to Easter Seals' programming	\$275	\$220	Montgomery County, MD
Community Support Services	Nine wheelchair-accessible minivans to transport clients with severe intellectual and physical disabilities to day programs, therapeutic programs, community based activities and evening and weekend residential support activities	\$370	\$296	Montgomery County, MD

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Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
Fairfax County Neighborhood & Community Services		Five 19-passenger buses to provide specialized transportation services for participants of human service agency programming, including seniors centers, adult day programs, health care centers			\$312	\$250			Fairfax County, City of Fairfax and City of Falls Church, VA
ECHO		Four vehicles (three 14-paseenger buses and one 15-passenger bus) to provide clients with intellectual disabilities transportation to and from employment and day program sites and community engagement activities			\$262	\$210			Loudoun and Fairfax Counties, VA
The Arc of Prince George's County		Eleven wheelchair accessible minivans to expand existing services to provide small-group outings to people with intellectual disabilities in group home settings			\$394	\$316			Prince George's County, MD
University of Maryland College Park (Capital)		Replacement of five paratransit vehicles with wheelchair-accessible minivans to transport students, faculty and visitors with disabilities to and from the College Park Metro station and on campus			\$219	\$176			University of Maryland, College Park campus
Washington Metropolitan Area Transit Authority (WMATA)		Twenty two MetroAccess replacement vehicles for ADA-required paratransit service. Pending FTA approval of a split agreement, WMATA would receive and administer funding independent of COG. FTA allows a match of 15% for ADA paratransit vehicles.			\$1,485	\$1,262			Regional