

ITEM 10 – Action
November 16, 2016

Approval of the FY 2017-2022
Transportation Improvement Program (TIP)

Staff

Recommendation: Adopt Resolution R5-2017 approving the
FY 2017-2022 TIP

Issues: None

Background: On October 13, the draft FY 2017-2022
TIP was released for public comment.

NATIONAL CAPITAL REGION TRANSPORTATION PLANNING BOARD
777 North Capitol Street, N.E.
Washington, D.C. 20002

**RESOLUTION APPROVING THE
TRANSPORTATION IMPROVEMENT PROGRAM (TIP) FOR FY 2017-2022**

WHEREAS, the National Capital Region Transportation Planning Board (TPB), which is the metropolitan planning organization (MPO) for the Washington Region, has the responsibility under the provisions of the Fixing America's Surface Transportation (FAST) Act for developing and carrying out a continuing, cooperative and comprehensive transportation planning process for the Metropolitan Area; and

WHEREAS, the Federal Planning Regulations of the Federal Transit Administration (FTA) and the Federal Highway Administration (FHWA) implementing the FAST Act, which became effective June 27, 2016, specify the development and content of the long range transportation plan and require that it be reviewed and updated at least every four years; and

WHEREAS, the TIP is required by FHWA and FTA as a basis and condition for all federal funding assistance to state, local and regional agencies for transportation improvements within the Washington planning area; and

WHEREAS, on October 15, 2014, the TPB approved the FY 2015-2020 TIP which was developed as specified in the Federal Planning Regulations; and

WHEREAS, on December 16, 2015, the TPB issued a solicitation document for projects and strategies to be included in the 2016 CLRP Amendment and the FY 2017-2022 TIP that will meet federal planning requirements, address the federal planning factors, and goals in the TPB Vision and the Regional Transportation Priorities Plan; and

WHEREAS, the transportation implementing agencies in the region provided project submissions for the 2016 CLRP Amendment and the FY 2017-2022 TIP, and the TPB Technical Committee and the TPB reviewed the project submissions at meetings in February and March 2016; and

WHEREAS, on March 16, 2016 the TPB approved the major projects submitted for inclusion in the Air Quality Conformity Analysis for the 2016 CLRP Amendment and the FY 2017-2022 TIP; and

WHEREAS, on October 13, 2016 the draft 2016 CLRP Amendment and FY 2017-2022 TIP and the Air Quality Conformity Analysis were released for a 30-day public comment period and inter-agency review at the TPB Citizens Advisory Committee (CAC) meeting; and

WHEREAS, the FY 2017-2022 TIP projects are consistent with the 2016 CLRP Amendment as approved by the TPB on November 16, 2016; and are selected in accordance with the Federal Planning Regulations; and

WHEREAS, the FY 2017-2022 TIP has been developed to meet the financial requirements in the Federal Planning Regulations; and

WHEREAS, on November 16, 2016, the TPB determined that the 2016 CLRP Amendment and FY 2017-2022 TIP conform with the requirements of the Clean Air Act Amendments of 1990; and

WHEREAS, the U.S. Department of Transportation issued regulations in 1991 on providing transit services to persons with disabilities to conform to the Americans With Disabilities Act (ADA) of 1990, and by January 1997, both the Washington Metropolitan Area Transit Authority and Frederick County ADA Paratransit services were operating as planned in conformance with the regulations; and

WHEREAS, during the development of the 2016 CLRP Amendment and the FY 2017-2022 TIP, the TPB Participation Plan was followed, and numerous opportunities were provided for public comment: (1) At the February 11, 2016 TPB Citizens Advisory Committee (CAC) meeting, the project submissions for inclusion in the Air Quality Conformity Analysis and the Air Quality Conformity work scope were released, and an opportunity for public comment on these submissions was provided at the beginning of the February TPB meeting; (2) At the March 16, 2016 meeting, the TPB accepted a set of responses to the public comments on the project submissions for inclusion in the CLRP and TIP documents; (3) On September 15, 2016 following the CAC meeting, a Public Forum was held on the development of the FY 2017-2022 TIP; (4) On October 27, 2016 the 2016 CLRP Amendment was presented to the TPB's Access for All Advisory Committee for their consideration and comment; (5) On October 13, 2016 in conjunction with the CAC meeting, the draft 2016 CLRP Amendment, the draft FY 2017-2022 TIP, and the draft Air Quality Conformity Analysis were released for a 30-day public comment period which closed on November 12, 2016; (6) An opportunity for public comment on these documents was provided on the TPB website and at the beginning of the October and November TPB meetings; and (7) the documentation of the 2016 CLRP Amendment will include summaries of all comments and responses; and

WHEREAS, the TPB Technical Committee has recommended favorable action on the FY 2017-2022 TIP by the Board,

NOW, THEREFORE, BE IT RESOLVED THAT the National Capital Region Transportation Planning Board approves the Transportation Improvement Program for FY 2017-2022.



MEMORANDUM

TO: Transportation Planning Board
FROM: Andrew Austin, TPB Transportation Planner
SUBJECT: Briefing on the Draft FY 2017-2022 Transportation Improvement Program (TIP)
DATE: October 13, 2016

On Thursday, October 13, 2016 the TPB released the draft 2016 Constrained Long-Range Plan (CLRP) Amendment, the draft FY 2017-2022 Transportation Improvement Program (TIP) and the draft Air Quality Conformity Analysis results for a 30-day public comment period. This memo provides information on the development of the draft FY 2017-2022 TIP. In December 2015, the TPB released the Call for Projects for the 2016 Amendment to the CLRP and the FY 2017-2022 TIP. The baseline used for the development of the new TIP was the FY 2015-2020 TIP, as amended, and carried over to cover fiscal years 2017-2022. Agencies were asked to provide their inputs for the Draft TIP in May 2016.

BACKGROUND ON THE TIP

Before a transportation funding agency can apply for federal funds to use toward any projects, the project must be identified in a TIP and in a CLRP (if applicable). Typically, it is the last step a project must go through before any work can begin. When USDOT approves a project for funding, the submitting agency must know several things at the moment of the transaction, including exactly what type of funding is available and identified for use, how much the project phase costs, and other details. Often referred to as an “obligation” document, the TIP must meet strict federal requirements and serves as one official way that these funding details are provided.

Federal law requires that the TIP cover a minimum of four-years and be updated at least every four years. The TIP is a short term implementation document that is essentially the means for implementing the projects and programs identified in the long term in the CLRP. It includes capital projects, operational programs and some maintenance for all modes of surface transportation: roads and bridges, transit, bicycle and pedestrian, and freight. The TPB’s TIP covers a six-year period to be consistent with the budgeting and programming processes of its member agencies. Funding in the first two years of the TIP must be “available and committed,” according to federal law, while funding for the third and fourth years must be “reasonably expected to be available,” much like funding in the CLRP.

The prioritization and implementation of projects is a continuously evolving process for each agency. The TIP document included in this item can only provide a “snapshot” of the TIP at this point in time. The TIP is amended or modified on a monthly and sometimes even weekly basis, through staff approvals, TPB Steering Committee actions, or large-scale amendments brought to the TPB for adoption.

The funding included in the TIP does not provide a comprehensive picture of all transportation-related spending in the region. There are many operations and maintenance programs that do not use federal funding and that are not required to be included in the TIP. Similarly, many small-scale projects that are

not regionally significant or federally funded are not required to be included either. While the funding of different phases (planning, engineering, right-of-way acquisition, construction) is described in the TIP, it is not intended to provide a schedule for construction the way that a Capital Improvement Program (CIP) might. There is also no guarantee that projects programmed in the TIP will be built. Priorities can change and funding can be withdrawn from one project to be applied to other projects.

INPUTS TO THE FY 2017-2022 TIP

The previously approved FY 2015-2020 TIP, as amended through October 7, 2016, formed the baseline of inputs for each agency to start with when updating the FY 2017-2022 TIP. The three Departments of Transportation in the District, Maryland, and Virginia, and the Washington Metropolitan Area Transit Authority are on different schedules for their budgeting and programming processes. For this reason, some agencies have provided inputs that cover the full six years of the TIP, while inputs from other agencies may only cover the first four years.

Projects in the **District of Columbia** come from the DDOT State Transportation Improvement Program (STIP). DDOT is currently developing its new FY 2017-2023 STIP, and will provide a significant amendment to update the TPB FY 2017-2022 TIP in early 2017. Currently, funding in the District portion of the FY 2017-2022 TIP reflects the FY 2015-2020 TIP, as amended. Projects in **Maryland** come from the Maryland Consolidated Transportation Program (CTP). MDOT has provided inputs to the TIP based on its draft FY 2017-2022 (CTP). Projects in **Virginia** come from the VDOT STIP. VDOT is currently developing the FY 2018-2021 STIP, which is expected to provide the inputs for a significant amendment to the TIP in early 2017. Funding in the Virginia portion of the FY 2017-2022 TIP reflects the FY 2015-2020 TIP, as amended. Projects from **Washington Metropolitan Area Transit Authority** (WMATA) come from their latest Capital Budget. Currently, WMATA funding of the FY 2017-2022 TIP reflects the FY 2015-2020 TIP, as amended. An amendment to reflect funding changes related to the Metro SafeTrack program is expected by the end of 2016. An amendment to reflect WMATA's FY 2018 Capital Budget and FY 2018-2023 CIP is expected in the spring of 2017.

SUMMARY OF FUNDING IN THE FY 2017-2022 TIP

There are over 300 projects and programs included in the FY 2017-2022 TIP with a total of \$11 billion programmed over the document's six year span. There are 114 road and bridge projects that total \$2.45 billion and 55 transit projects that total \$6.63 billion (the Purple Line in Maryland accounting for \$2.4 billion of that funding). There are 34 projects identified as bicycle and pedestrian projects with \$250 million in funding. It should be noted that there are many road projects that include bicycle and/or pedestrian accommodations that are not included in this count or total.

Almost half of the funding in the TIP – \$4.8 billion, or 45% – comes from state or local sources. The remaining \$6.2 billion (55%) comes from formula funding programs from the Federal Highway Administration and the Federal Transit Administration.

MATERIALS FOR PUBLIC COMMENT

Attached to this memo is the draft FY 2017-2022 TIP which was released for a 30-day public comment period on Thursday, October 13, 2016. Comments may be submitted:

- Online at www.mwcog.org/TPBcomment
- Via email at TPBcomment@mwcog.org
- By calling (202) 962-3262, TDD: (202) 962-3213
- Or in writing to The Transportation Planning Board
777 North Capitol Street, NE, Suite 300
Washington, DC 20002-4239

The public comment period ends on Saturday, November 12, 2016. The TPB will be asked to approve the FY 2017-2022 TIP at the meeting on November 16, 2016.

FY 2017-2022 TRANSPORTATION IMPROVEMENT PROGRAM

Draft for Public Comment

October 13, 2016



National Capital Region
Transportation Planning Board

Interstate

11th Street Bridges and Interchange Reconstruction

TIP ID: 5554 Agency ID: HTF02A Title: Garvee Bond Debt Service

Rehabilitation of I-395 HOV Bridge over Potomac River

TIP ID: 6187 Agency ID: MRR27A Title: Rehabilitation of I-395 HOV Bridge over Potomac River

Rehabilitation of I-66 Ramp to Whitehurst Freeway over Potomac Pkwy and Rock Creek (Bridge No.1303)

TIP ID: 6416 Agency ID: Title: Rehabilitation of I-66 Ramp to Whitehurst Freeway over Potomac Pkwy and

Primary

Anacostia Waterfront Initiative

TIP ID: 5957 Agency ID: AW0, EW002C Title: Pennsylvania Ave/Potomac Circle

TIP ID: 5723 Agency ID: AW027A Title: St. Elizabeths Campuses Access Improvements

TIP ID: 5802 Agency ID: CD044A Title: Program Manager AWI

TIP ID: 3290 Agency ID: SR049A Title: Reconstruction of Kenilworth Avenue, NE

South Capitol Street

TIP ID: 6038 Agency ID: Title: Garvee Debt Service

TIP ID: 3423 Agency ID: AW011, AW024 Title: South Capitol Street Corridor

Secondary

Columbia Road NW, Reconstruction 16th to 18th Streets and Resurface 18th Street to Conn Ave

TIP ID: 6189 Agency ID: MRR24A Title: Columbia Road, NW, Reconstruction 16th to 18th Streets and Resurface 18

Florida Avenue Transportation Study

TIP ID: 6195 Agency ID: ZU033A Title: Florida Avenue Transportation Study

Maryland Avenue Pedestrian Safety Project

TIP ID: 6014 Agency ID: SR088A Title: Maryland Avenue NE Road Diet

Mid City East

TIP ID: 6184 Agency ID: OSS14A Title: Mid City East

Reconstruction of 18th Street, NW from Virginia Ave to Connecticut Ave/M Street

TIP ID: 6412 Agency ID: Title: Reconstruction of 18th Street, NW from Virginia Ave to Connecticut Ave/M

Reconstruction of 21st Street, NW from Constitution Ave to G Street and from I Street to New Hampshi

TIP ID: 6413 Agency ID: Title: Reconstruction of 21st Street, NW from Constitution Ave to G Street and Fr

Reconstruction of Columbia Rd NW from Michigan Ave./Park Place to 15th Street

TIP ID: 6415 Agency ID: Title: Reconstruction of Columbia Rd NW from Michigan Ave NW/Park Place to 1

Reconstruction of Harvard Street NW from 16th Street NW to Georgia Ave NW

TIP ID: 6425 Agency ID: Title: Reconstruction of Harvard Street NW from 16th St NW to Georgia Ave NW

Reconstruction of Kenyon Street NW from Park Place to 13th Street

TIP ID: 6414 Agency ID: Title: Reconstruction of Kenyon Street NW from Park Place NW to 13th Street N

Reconstruction of Ward II

TIP ID: 6493 Agency ID: Title: Reconstruction of Ward II

Safety Improvements of 22nd and I NW

TIP ID: 6492 Agency ID: Title: Safety Improvements of 22nd and I NW

Bike/Ped

District-wide Bicycle and Pedestrian Management Program

TIP ID: 3232 Agency ID: CM064A, ZUT0 Title: Bicycle and Pedestrian Management Program

East Capitol Street Pedestrian Safety Project

TIP ID: 6315 Agency ID: SR086A Title: East Capitol Street Corridor Mobility & Safety Plan

Metropolitan Branch Trail

TIP ID: 3228 Agency ID: AF073A, ZU024 Title: Metropolitan Branch Trail

National Recreational Trails

TIP ID: 2796 Agency ID: AF066A Title: National Recreational Trails

TIP ID: 6230 Agency ID: ZU010A Title: New York Avenue Trail

Rock Creek Park Trail

TIP ID: 3230 Agency ID: AF005A Title: Rock Creek Park Trail

Safe Routes to School

TIP ID: 2888 Agency ID: CM086A Title: Safe Routes to School

South Capitol Street Trail

TIP ID: 6114 Agency ID: ZUT10C Title: South Capitol Street Trail

Bridge

Anacostia Freeway Bridges over Nicholson Street SE

TIP ID: 6082 Agency ID: MRR15A Title: Anacostia Freeway Bridges over Nicholson Street SE (Bridges #1001, 1002)

H Street Bridge over Amtrak

TIP ID: 6039 Agency ID: CD054A Title: H Street Bridge over Railroad

Rehabilitation of 14th Street, SW Bridge over Streetcar Terminal

TIP ID: 6426 Agency ID: Title: Rehabilitation of 14th Street, SW Bridge over Streetcar Terminal

Rehabilitation of K Street NW Bridge, over Whitehurst Freeway Ramp (Bridge No. 1304)

TIP ID: 6417 Agency ID: Title: Rehabilitation of K Street NW Bridge, over Whitehurst Freeway Ramp (Brid

Roadway and Bridge Improvement on Southern Avenue and Winkle Doodle Branch Bridge

TIP ID: 5353 Agency ID: ED028A Title: Roadway and Bridge Improvement on Southern Avenue and Bridge #64 (ov

Enhancement

Transportation Alternatives Program

TIP ID: 3210 Agency ID: AF049A Title: Transportation Alternatives Program

ITS

Traffic Operations Improvements Citywide

TIP ID: 3216 Agency ID: OSS07A, CI060 Title: Traffic Operations Improvements Citywide

TIP ID: 6283 Agency ID: PM0A4A Title: Managed Lanes

Traffic Signal LED Replacement

TIP ID: 6115 Agency ID: CI040A Title: Traffic Signal LED Replacement

Other

Asset Condition Assessment

TIP ID: 5323 Agency ID: MNT06A, SR09 Title: Condition Assessment

Cleveland Park Study

TIP ID: 6193 Agency ID: PM0D7A Title: Cleveland Park Study

Planning and Management Systems

TIP ID: 3213 Agency ID: CAL16C, PM30 Title: Planning and Management Systems

TIP ID: 5322 Agency ID: CM085A Title: Preventive Maintenance and Repair of Stormwater Pumping Stations

TIP ID: 3355 Agency ID: PM086A Title: Professional Capacity-Building Strategy

Rehabilitation of Anacostia Freeway Bridges over South Capitol Street (Bridge No. 1016 & 1017)

TIP ID: 6097 Agency ID: MRR14A Title: Rehabilitation of Anacostia Freeway Bridges over South Capitol Street (Bri

Roadside Improvements Citywide

TIP ID: 5792 Agency ID: ED0C2A Title: C Street NE Implementation

Roadway Reconstruction Citywide

TIP ID: 2965 Agency ID: SR060A MRR1 Title: Roadway Reconstruction Citywide

Safety Improvements

TIP ID: 3212 Agency ID: CB0, CIO Title: Safety Improvements Citywide

TIP ID: 6240 Agency ID: MRR01A Title: Safety and Geometric Improvements of I-295

Streetscape

TIP ID: 2922 Agency ID: ED064A Title: Great Streets - Minnesota Ave, NE

Traffic Congestion Mitigation

TIP ID: 2945 Agency ID: CM074A Title: District TDM (goDCgo)

Traffic Signal Maintenance

TIP ID: 5347 Agency ID: CI046A, CI047 Title: Traffic Signal Maintenance NHPP-STP

Urban Forestry Program

TIP ID: 5313 Agency ID: CG311, CG312, Title: Urban Forestry Program

TERMS

Transportation Emissions Reduction Measures

TIP ID: 3219 Agency ID: ZU022A Title: Commuter Connections Program

Maintenance

Bloomingdale/LeDroit Park Medium Term Flood Mitigation Project

TIP ID: 6190 Agency ID: FLD01 Title: Bloomingdale/LeDroit Park Medium Term Flood Mitigation Project

Bridge Replacement/Rehabilitation Program

TIP ID: 6427 Agency ID: Title: Kenilworth Terrace Bridge over Watts Branch

TIP ID: 5298 Agency ID: AF067A Title: Emergency Transportation Project

TIP ID: 3202 Agency ID: CD032C, MNT0 Title: Bridge Design Consultant Services

TIP ID: 5342 Agency ID: CD046A Title: Approach Bridges to 14th Street Bridge

TIP ID: 5337 Agency ID: CD051A Title: Replacement of Pedestrian Bridges over Kenilworth Ave

TIP ID: 5334 Agency ID: CD052A Title: Safety Improvements of Benning Road Bridges over Kenilworth Ave

TIP ID: 3243 Agency ID: CD062A Title: Citywide Consultant Bridge Inspection

TIP ID: 5316 Agency ID: CD062A Title: Impact Attenuators and Guiderrails

TIP ID: 5804 Agency ID: MRR04A Title: East Capitol St. Bridge over Anacostia River, Br. # 233

TIP ID: 5433 Agency ID: PM094A, CD05 Title: Bridge management Project/AASHTOWARE

Maintenance of Stormwater management / Best Management Ponds

TIP ID: 3242 Agency ID: CA303C, MNT0 Title: Maintenance, Rehab and Reconstruction of Stormwater-Hydraulic Structur

Normanstone/Fulton Street Culvert & LID

TIP ID: 6194 Agency ID: Temp1315 Title: Normanstone/Fulton Street Culvert & LID

Resurfacing Streets and Freeways Citywide

TIP ID: 5339 Agency ID: SR037A Title: FY2012 Pavement Restoration - NHPP Streets

TIP ID: 3215 Agency ID: SR092A Title: Federal Aid Pavement Restoration

Streetlight Asset Mgmt & Streetlight Construction - Federal

TIP ID: 5439 Agency ID: AD017A Title: Citywide streetlight construction

TIP ID: 5385 Agency ID: AD020A Title: Streetlight Asset Mgmt - Federal

Streetlight Asset Mgmt & Streetlight Construction - Local

TIP ID: 5350 Agency ID: AD304 Title: Streetlight Asset Mgmt & Streetlight Construction - Local

Systems Maintenance

TIP ID: 2699 Agency ID: CD018A, CD01 Title: Asset Preservation of Tunnels in the District of Columbia

TIP ID: 2927 Agency ID: CD036A, CD04 Title: Citywide FA Preventive Maintenance

Transit

5303/5304 FTA Program

TIP ID: 6102 Agency ID: Title: 5303/5304 FTA Program

DC Circulator New Buses for Replacement and Expansion

TIP ID: 6105 Agency ID: Title: DC Circulator New Buses for Replacement and Expansion

DC Circulator Expansion - Phase I

TIP ID: 6103 Agency ID: Title: DC Circulator Expansion - Phase I

Streetcar

TIP ID: 5754 Agency ID: CM080A Title: Benning Road Extension

TIP ID: 5755 Agency ID: STC12A Title: Union Station to Georgetown Premium Transit; K Street Transit

Freight

District Freight Plan

TIP ID: 5922 Agency ID: AF081A Title: District Freight Plan

Off-Hours Freight Delivery Pilot Project

TIP ID: 6408 Agency ID: Title: Off-Hours Freight Delivery Pilot Project

Planning and Systems Enhancement for Weight Stations

TIP ID: 2633 Agency ID: CI029A, CI053 Title: Size and Weight Enforcement Program

Virginia Avenue Tunnel Project

TIP ID: 5959 Agency ID: MRR16A Title: Virginia Avenue Tunnel Project

Interstate

I-270 at Watkins Mill Road Interchange

TIP ID: 3044 Agency ID: MO3511 Title: I-270 at Watkins Mill Road Interchange Construction

I-270/I-495 West Side Corridor

TIP ID: 6444 Agency ID: MO0691 Title: I-270 Innovative Congestion Management

TIP ID: 6432 Agency ID: MO8382 Title: I-495, Capital Beltway, American Legion Bridge Planning Study

I-270/US 15 Corridor

TIP ID: 6431 Agency ID: FR1881 Title: US 15/US 40 Frederick Freeway Highway Reconstruction

I-70/US 40 at MD 144FA, Meadow Road, and Old National Pike Interchange

TIP ID: 6411 Agency ID: FR5801 Title: I-70/US 40 at MD 144FA, Meadow Road, and Old National Pike Interchange C

I-95/I-495 at Greenbelt Metro Station Interchange

TIP ID: 2894 Agency ID: PG3331 Title: I-95/I-495 at Greenbelt Metro Station Interchange Construction

MD 5 at I-95/I-495 Interchange

TIP ID: 3554 Agency ID: PG4941 Title: MD 5 at I-95/I-495 Phase 2 Highway Reconstruction

Primary

MD 210 Corridor

TIP ID: 4879 Agency ID: PG7001 Title: MD 210 at Kerby Hill Road/Livingston Road

MD 4 at Suitland Parkway Interchange

TIP ID: 3547 Agency ID: PG6181 Title: MD 4 at Suitland Parkway Interchange Construction

MD 5 Corridor

TIP ID: 4882 Agency ID: PG1751 Title: MD 5 at MD 373 and Brandywine Road Interchange Construction

TIP ID: 3469 Agency ID: PG3916 Title: MD 5 Corridor Study

TIP ID: 6395 Agency ID: PG5971 Title: MD 5 at Linda Lane Intersection Improvements

US 1 Corridor

TIP ID: 3108 Agency ID: PG6241 Title: US 1 Highway Reconstruction

US 15 at Monocacy Boulevard Interchange

TIP ID: 4892 Agency ID: FR5711 Title: US 15 at Monocacy Boulevard Interchange Construction

US 29 Corridor

TIP ID: 6389 Agency ID: MO4253 Title: US 29 at Stewart Lane, Tech Road, Greencastle Road, and Blackburn Road In

US 301 Corridor (Waldorf Area)

TIP ID: 4881 Agency ID: CH2031 Title: US 301 Waldorf Area Project

US 50 Corridor

TIP ID: 6398 Agency ID: PG0641 Title: US 50 Feasibility Study

Secondary

Joint Base Andrews BRAC Improvements

TIP ID: 5759 Agency ID: PG7801 Title: Joint Base Andrews BRAC Improvements

TIP ID: 6392 Agency ID: PG7802 Title: MD 337 at MD 218 and I-95/I-495 NB Off-Ramp BRAC Intersection Improve

MD 124 Corridor

TIP ID: 3057 Agency ID: MO6322 Title: MD 124 Phases 2-3 Highway Reconstruction

MD 180/MD 351 Corridor

TIP ID: 6489 Agency ID: FR6781 Title: MD 180, Jefferson Pike - Urban Reconstruction

MD 28/MD 198 Corridor

TIP ID: 3476 Agency ID: MO8861 Title: MD 28/MD 198 Corridor Study

MD 355 at Randolph Road/Montrose Parkway Interchange

TIP ID: 3542 Agency ID: MO3441 Title: MD 355 Phase 2 Highway Reconstruction

MD 85 Corridor

TIP ID: 6483 Agency ID: FRNEW3 Title: MD 85 Buckeystown Pike

MD 97 at Brookeville

TIP ID: 3106 Agency ID: MO7461 Title: MD 97 at Brookeville Highway Construction

MD 97 at Randolph Road Interchange

TIP ID: 3104 Agency ID: MO8541 Title: MD 97 at Randolph Road Interchange Construction

MD 97 Montgomery Hills Study

TIP ID: 5420 Agency ID: MO2241 Title: MD 97 Montgomery Hills Study

Naval Support Activity Bethesda BRAC Improvements

TIP ID: 6384 Agency ID: MO5931 Title: Naval Support Activity Bethesda BRAC Improvements

TIP ID: 5998 Agency ID: MO5932 Title: MD 355 at Cedar Lane and Jones Bridge Road Phases 1-2 BRAC Intersection

TIP ID: 6072 Agency ID: MO5933 Title: MD 187 at West Cedar Lane/Oakmont Avenue BRAC Intersection Improve

TIP ID: 6122 Agency ID: MO5934 Title: MD 355 BRAC Highway Improvements

TIP ID: 6077 Agency ID: MO5936 Title: MD 320 at Sligo Creek Parkway BRAC Improvements Mitigation

TIP ID: 6071 Agency ID: MO5938 Title: MD 185 at Jones Bridge Road and Kensington Parkway Phase 3 BRAC Inters

Other

Bladensburg War of 1812 Archaeological/Historical Study

TIP ID: 6399 Agency ID: PG7621 Title: Bladensburg War of 1812 Archaeological/Historical Study

System Preservation Projects

TIP ID: 6532 Agency ID: Title: MD 355 Frederick Road Bridge Relplacement over Little Bennett Creek

TIP ID: 3081 Agency ID: AWBR Title: Bridge Replacement and Rehabilitation

TIP ID: 5838 Agency ID: AWCE Title: Congressional Earmarks

TIP ID: 3085 Agency ID: AWCM Title: Congestion Management

TIP ID: 3038 Agency ID: AWEN Title: Environmental Projects

TIP ID: 3082 Agency ID: AWRR Title: Resurfacing and Rehabilitation

TIP ID: 3084 Agency ID: AWSS Title: Safety and Spot Improvements

TIP ID: 2710 Agency ID: AWTE Title: Transportation Alternatives

TIP ID: 3083 Agency ID: AWUR Title: Urban Reconstruction

TIP ID: 6517 Agency ID: CH2061 Title: MD 234 Gilbert Swamp Run Bridge Replacement

TIP ID: 6481 Agency ID: FR1301 Title: US 15 Catoctin Mountain Highway Bridge Replacement

TIP ID: 6518 Agency ID: FR1321 Title: MD 355 Urbana Pike Bridge Replacement

TIP ID: 6488 Agency ID: FR3501 Title: US 40 AL Urban Reconstruction

TIP ID: 6439 Agency ID: FR5361 Title: MD 140 Flat Run Bridge Replacement

TIP ID: 6486 Agency ID: FR5591 Title: MD 355 Urbana Pike Bridge Replacement

TIP ID: 6482 Agency ID: FR6471 Title: MD 75 Green Valley Road Bridge Replacement

TIP ID: 6507 Agency ID: MO1741 Title: Complete Streets Near Metro Station S. Stonestreet Ave

TIP ID: 6508 Agency ID: MO1751 Title: Complete Streets Near Metro Station Twinbrook Station

SUBURBAN MARYLAND
FY 2017-2022 TIP PROJECT TYPE INDEX

TIP ID: 6430	Agency ID: MO1881	Title: I-495 Inner Loop Resurfacing
TIP ID: 6538	Agency ID: MO2401	Title: MD 195, Carroll Avenue at Sligo Creek and Sligo Creek Parkway Bridge Repla
TIP ID: 6033	Agency ID: MO5821	Title: MD 193 I-495 Bridge Rehabilitation
TIP ID: 6487	Agency ID: PG0461	Title: MD 381 Brandywine Road Bridge Replacement
TIP ID: 6529	Agency ID: PG1061	Title: MD 212 A Urban Reconstruction
TIP ID: 6521	Agency ID: PG1272	Title: I-95/I-495 at MD 214 Bridges Replacement
TIP ID: 6522	Agency ID: PG1272	Title: I-95/I-495 at MD 214 Bridges Replacement
TIP ID: 6180	Agency ID: PG1291	Title: I-595/US 50 Resurfacing (Eastbound)
TIP ID: 6182	Agency ID: PG5431	Title: US 1 Drainage Improvements
TIP ID: 6150	Agency ID: PG5461	Title: MD 500 Community Safety and Enhancement Improvements
TIP ID: 6032	Agency ID: PG6641	Title: MD 4 MD 223 Bridges Replacement
TIP ID: 6437	Agency ID: PG6981	Title: I-95/I-495 Suitland Road Bridges Replacement
TIP ID: 6438	Agency ID: PG6982	Title: I-95/I-495 Suitland Parkway Bridges Replacement
TIP ID: 6183	Agency ID: PG7581	Title: MD 4 Community Safety and Enhancement Improvements
TIP ID: 6433	Agency ID: PG8231	Title: I-95 Resurfacing
TIP ID: 6514	Agency ID: PG9792	Title: I-595/US 50 Resurfacing (Westbound)
TIP ID: 6181	Agency ID: PG9795	Title: MD 5 Resurfacing

TERMs

Transportation Emissions Reduction Measures

TIP ID: 3566	Agency ID: AWCC	Title: Commuter Connections Program
TIP ID: 5773	Agency ID: AWGR	Title: Commuter Connections Program - Guaranteed Ride Home Baltimore/Saint M

Transit

MD 586 Bus Rapid Transit Study

TIP ID: 6000	Agency ID: MO2441	Title: MD 586 Bus Rapid Transit Study
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Maintenance

Marc Improvements

TIP ID: 6400	Agency ID:	Title: MARC Improvements
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Transit

Large Urban Operating

TIP ID: 6147	Agency ID:	Title: Large Urban Systems - Preventive Maintenance
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Large Urban Systems- Capital

TIP ID: 2713	Agency ID: 0892/0893	Title: Large Urban Systems - Capital
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MARC Rolling Stock Overhauls and replacements

TIP ID: 6401	Agency ID:	Title: MARC Rolling Stock Overhauls and Replacements
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Purple Line

TIP ID: 2795	Agency ID:	Title: Purple Line
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Ridesharing

TIP ID: 3760	Agency ID:	Title: Ridesharing - Statewide Program
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Rural Transit - Capital Assistance

TIP ID: 2602	Agency ID: Part of 0218	Title: Rural Transit - Capital Assistance
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Rural Transit - Operating Assistance

TIP ID: 2853 Agency ID: Part of 0218 Title: Rural Transit - Operating Assistance

Seniors and Individuals with Disabilities

TIP ID: 6440 Agency ID: Title: Seniors and Individuals with Disabilities

Small Urban Systems - Capital

TIP ID: 3012 Agency ID: Part of 0217 Title: Small Urban Systems - Capital

Small Urban Systems - Operating Assistance

TIP ID: 2594 Agency ID: Part of 0217 Title: Small Urban Transit Systems - Operating Assistance

Secondary

Various Roads - County Capital Improvement Program

TIP ID: 5494 Agency ID: Title: Study, Design, ROW, & Construction

Bike/Ped

Bikeways & Trails Program - County Capital Improvement Program

TIP ID: 5495 Agency ID: F3 Title: Planning, Design & Construction

Bridge

Various Bridges - County Capital Improvement Program

TIP ID: 3173 Agency ID: F3 Title: Study, Design, ROW, Construction, Inspection & Training

Secondary

Burtonsville Access Road

TIP ID: 3498 Agency ID: P500500 Title: Burtonsville Access Road

Clarksburg Transportation Connections

TIP ID: 6020 Agency ID: P501315 Title: Clarksburg Transportation Connections

Goshen Road South

TIP ID: 3049 Agency ID: P501107 Title: Goshen Road South

Montrose Parkway East

TIP ID: 3703 Agency ID: P500717 Title: Montrose Parkway East

Snouffer School Road North

TIP ID: 3062 Agency ID: P501119 Title: Snouffer School Road North

Snouffer School Road: Sweet Autumn Dr. to Centerway Road

TIP ID: 6064 Agency ID: P501109 Title: Snouffer School Road: Sweet Autumn Dr. to Centerway Rd

Bike/Ped

Bethesda CBD Streetscape

TIP ID: 5943 Agency ID: P500102 Title: Bethesda CBD Streetscape

Bicycle Pedestrian Priority Area Improvements

TIP ID: 6365 Agency ID: P501532 Title: Bicycle and Pedestrian Priority Area Improvements

Bikeway Program - Minor Projects

TIP ID: 3066 Agency ID: P507596 Title: Annual Bikeway Program

Capital Crescent Trail

TIP ID: 6015 Agency ID: P501316 Title: Capital Crescent Trail

Falls Road East Side Hiker/Biker Path

TIP ID: 3429 Agency ID: P500905 Title: Falls Road East Side Hiker/Biker Path

Frederick Road Bike Path: Stringtown to Milestone Manor

TIP ID: 6063 Agency ID: P501118 Title: Frederick Road Bike Path: Stringtown to Milestone Manor

MacArthur Boulevard Bikeway Improvements- Segment 2

TIP ID: 5729 Agency ID: P500718 Title: MacArthur Boulevard Bikeway Improvements

MD 355 Multimodal Crossing

TIP ID: 5724 Agency ID: P501209 Title: MD 355 Multimodal Crossing Project

Metropolitan Branch Trail

TIP ID: 5942 Agency ID: P501110 Title: Metropolitan Branch Trail

Needwood Road Bikepath

TIP ID: 6016 Agency ID: P501304 Title: Needwood Road Bikepath

Pedestrian Safety Program

TIP ID: 3642 Agency ID: P500333 Title: Pedestrian Safety Program

Seven Locks Bikeway & Safety Improvements

TIP ID: 6017 Agency ID: P501303 Title: Seven Locks Bikeway & Safety Improvements

Sidewalk & Infrastructure Revitalization

TIP ID: 5975 Agency ID: P508182 Title: Sidewalk & Curb Replacement

Sidewalk Program - Minor Projects

TIP ID: 3067 Agency ID: P506747 Title: Sidewalk Program - Minor Projects

Transportation Improvements for Schools

TIP ID: 6364 Agency ID: P509036 Title: Transportation Improvements for Schools

Bridge

Beach Drive Bridge M-PK-24001

TIP ID: 5912 Agency ID: P509132 Title: Beach Drive Bridge M-PK-24001

Bridge Renovation

TIP ID: 5972 Agency ID: P509753 Title: Bridge Renovation

Brink Road Bridge M-0064001

TIP ID: 5913 Agency ID: P509132 Title: Brink Road Bridge M-0064001

Garrett Park Road Bridge M-PK-04001

TIP ID: 5916 Agency ID: P509132 Title: Garrett Park Road Bridge M-PK-04001

Piney Meetinghouse Road Bridge M-0021001

TIP ID: 5919 Agency ID: P501522 Title: Piney Meetinghouse Road Bridge M-0021001

Enhancement

Silver Spring Green Trail

TIP ID: 3125 Agency ID: P509975 Title: Silver Spring Green Trail

ITS

Advanced Transportation Management System

TIP ID: 3065 Agency ID: P509399 Title: Advanced Transportation Management System

Traffic Signal System Modernization

TIP ID: 3648 Agency ID: P500704 Title: Traffic Signal System Modernization

Other

East Gude Drive Roadway Improvements

TIP ID: 6018 Agency ID: P501309 Title: East Gude Drive Roadway Improvements

Intersection & Spot Improvements

TIP ID: 5980 Agency ID: P507017 Title: Intersection & Spot Improvements

Neighborhood Traffic Calming

TIP ID: 5981 Agency ID: P509523 Title: Neighborhood Traffic Calming

Seminary Road Intersection Improvement

TIP ID: 6019 Agency ID: P501307 Title: Seminary Road Intersection Improvement

Streetlight Enhancements - CBD /Town Center

TIP ID: 5982 Agency ID: P500512 Title: Streetlight Enhancements - CBD / Town Center

Traffic Signals

TIP ID: 6065 Agency ID: P507154 Title: Traffic Signals

White Flint District East - Transportation

TIP ID: 5985 Agency ID: P501204 Title: White Flint District East - Transportation

White Flint District West: Transportation & Workaround

TIP ID: 5986 Agency ID: P501116 & P50 Title: White Flint District West: Transportation & West Workaround

White Flint Traffic Analysis and Mitigation

TIP ID: 5987 Agency ID: P501202 Title: White Flint Traffic Analysis and Mitigation

Maintenance

Bridge Preservation Program

TIP ID: 5971 Agency ID: P500313 Title: Bridge Preservation Program

Resurfacing: Primary/Arterial

TIP ID: 5974 Agency ID: P508527 Title: Resurfacing: Primary / Arterial

Transit Park and Ride Lot Renovations

TIP ID: 5976 Agency ID: P500534 Title: Transit Park and Ride Lot Renovations

Transit

ADA Compliance Transportation Access

TIP ID: 3068 Agency ID: P509325 Title: ADA Compliance Transportation Access

Bethesda Metro South Entrance

TIP ID: 5560 Agency ID: P500929 Title: Bethesda Metro South Entrance

Bus Stop Improvement Program

TIP ID: 3063 Agency ID: P507658 Title: Bus Stop Improvement Program

RideOn Bus Fleet

TIP ID: 3072 Agency ID: P500821 Title: Ride On Bus Fleet

Primary

Contee Road Reconstruction

TIP ID: 5424 Agency ID: Title: Contee Road Reconstruction

TIP ID: 5425 Agency ID: Title: Construct Contee Road from I-95 to Old Gunpowder Road

Secondary

Addison Road

TIP ID: 6367 Agency ID: Title: Addison Road I

Auth Road

TIP ID: 5608 Agency ID: Title: Auth Road II

Cherry Hill Road

TIP ID: 6369 Agency ID: Title: Cherry Hill Road III

Contee Road

TIP ID: 3114 Agency ID: Title: Contee Road

Governor Bridge Road

TIP ID: **6509** Agency ID: Title: **Governor's Bridge Road Bridge Reconstruction**

Livingston Road and Bridge

TIP ID: **5806** Agency ID: Title: **Bridge Replacement - Livingston Road**

Old Gunpowder Road

TIP ID: **5258** Agency ID: Title: **Old Gunpowder Road II**

Suitland Road

TIP ID: **3157** Agency ID: Title: **Suitland Road**

Surratts Road

TIP ID: **3159** Agency ID: Title: **Surratts Road**

Traffic Congestion Improvemets

TIP ID: **6373** Agency ID: Title: **Traffic Congestion Improvements**

Wheeler Road

TIP ID: **3166** Agency ID: Title: **Wheeler Road**

Bike/Ped

Pedestrian Safety Improvements

TIP ID: **6370** Agency ID: Title: **Pedestrian Safety Improvements**

School access project

TIP ID: **6026** Agency ID: Title: **School Access Project**

Bridge

Bridge Rehabilitation, Federal Aid

TIP ID: **5401** Agency ID: Title: **Bridge Replacement, Federal Aid**

Enhancement

County Revitalization & Restoration 2

TIP ID: **6023** Agency ID: Title: **Coounty Revitalization & Restoration 2**

Green Street Improvements

TIP ID: **6003** Agency ID: Title: **Green/Complete Street Improvements**

Planning and site Acquisition 2

TIP ID: **6371** Agency ID: Title: **Planning and site acquisition 2**

Transportation Enhancements 2

TIP ID: **6374** Agency ID: Title: **Transportation Enhancements 2**

Other

Developer Contribution Projects

TIP ID: **6024** Agency ID: Title: **Developer Contribution Projects**

Maintenance

ADA Right of Way Modifications

TIP ID: **6012** Agency ID: Title: **Modification of ADA Rights of Way County-Wide**

Curb and Road Rehabilitation I & II

TIP ID: **5609** Agency ID: Title: **Curb and Road rehabilitation II**

Transit

Bus Mass Transit/Metro Access 2

TIP ID: **6375** Agency ID: Title: **Bus Mass Transit/ Metro Access 2**

Safety

Street Lights and Traffic Signals 2

TIP ID: 6372 Agency ID:

Title: **Street Lights and Traffic Signals 2**

Interstate

Boundary Chanel Drive Modifications

TIP ID: 5965 Agency ID: 104323 Title: Boundary Chanel Drive Modifications

I-495 HOT Lanes- South of GW Pkwy to South of Old Dominion Drive

TIP ID: 6361 Agency ID: 106025 Title: I-495 Northern Section Shoulder Use Debt Service

I-66 Corridor Improvements Project

TIP ID: 6540 Agency ID: 108826 Title: Transform 66 Outside of Beltway

I-66 Multimodal Improvement Project, inside the Beltway

TIP ID: 6513 Agency ID: 108336 Title: I-66 Inside the Beltway Tolling Infrastructure

TIP ID: 6512 Agency ID: 108337 Title: I-66 Inside the Beltway Tolling Systems Integration

I-66 Study / Access Improvements(Outside the Beltway)

TIP ID: 6347 Agency ID: 54911, 105239 , Title: I 66 Preliminary Engineering for EIS

I-95 HOT/HOV Lanes Construction

TIP ID: 6265 Agency ID: 103222 [T1161 Title: I-95 HOV/HOT Lanes Debt Service

Primary

Route 1 Improvements

TIP ID: 6446 Agency ID: 104303 Title: Route 1 Widening from Featherstone Road to Mary's Way

Route 7 (Leesburg Pike) Widening (VA 267 to Reston Ave.)

TIP ID: 6519 Agency ID: 99478 Title: RTE 7 CORRIDOR IMPROVEMENTS HB 2 FY17

Rte. 28 Widening

TIP ID: 6298 Agency ID: 96721 Title: Route 28 Widening

US 1, Widen, Reconstruct Interchange, Study

TIP ID: 6296 Agency ID: 104303 Title: WIDEN ROUTE 1 TO SIX LANES - PE & RW ONLY

VA 28 Centreville Road

TIP ID: 6450 Agency ID: 108720 Title: VA Route 28 Widening (Prince William County Line to Route 29)

VA 28 PPTA, Upgrade, Construct

TIP ID: 6457 Agency ID: 106652 Title: Route 28 Widening (SB from the Dulles Toll Road to Route 50)

VA 7

TIP ID: 6301 Agency ID: 99478 Title: Route 7 - Widen to Six Lanes

VA 7, Widen, Upgrade

TIP ID: 6539 Agency ID: 106917 Title: RTE 7 CORRIDOR IMPROVEMENTS

Secondary

Jones Branch Dr. Connector

TIP ID: 6080 Agency ID: 103907 Title: Jones Branch Drive Connector

Neabsco Mills Road

TIP ID: 6541 Agency ID: 107947 Title: NEABSCO MILLS ROAD - Widen to 4 lanes

Reconstruct and widen Rte. 659 - Belmont Ridge Road

TIP ID: 6447 Agency ID: -16861 Title: Belmont Ridge Road (Route 659), South of the Dulles Greenway

Rogues Road Reconstruction

TIP ID: 6429 Agency ID: 104300 Title: Rogues Road Reconstruction

Rolling Road Widening

TIP ID: 6248 Agency ID: 102905 Title: Rolling Road Widening

Rte 659 - Belmont Ridge Road Reconstruction to four lanes

TIP ID: 6335 Agency ID: 76244 Title: VA 659 Reconstruct to 4 Lanes

Telegraph Road

TIP ID: 6336 Agency ID: 104802 Title: TELEGRAPH RD - RTE 611- WIDEN TO 4 LANES (PE Only)

VA 638 Rolling Road Widening

TIP ID: 6247 Agency ID: 5559 Title: Rolling Road

Urban

Evergreen Mill Road Widening

TIP ID: 6256 Agency ID: 104380 Title: Evergreen Mill Road Widening

Spring Street

TIP ID: 6537 Agency ID: 105521 Title: Widen East Spring Street

Sycolin Road

TIP ID: 6203 Agency ID: 102895 Title: Sycolin Road

Wellington Rd. Overpass Phase III

TIP ID: 6332 Agency ID: 104374 Title: Wellington rd. Overpass Phase II

Bridge

Construction: Bridge Rehabilitation/Replacement/Reconstruction

TIP ID: 5503 Agency ID: TIPGRP001 Title: Construction: Bridge Rehabilitation/Replacement/Reconstruction

TIP Grouping for Preventive Maintenance for Bridges

TIP ID: 5525 Agency ID: TIPGRP006 Title: TIP Grouping for Preventive Maintenance for Bridges

Enhancement

Colechester Road

TIP ID: 6316 Agency ID: 76256 Title: Colchester Road - RTE 612

TIP Grouping project for Construction: Transportation Enhancement Byway Non-Traditional

TIP ID: 5523 Agency ID: TIPGRP004 Title: TIP Grouping project for Construction: Transportation Enhancement Byway

ITS

TIP Grouping project for Maintenance: Traffic and Safety Operations

TIP ID: 5526 Agency ID: TIPGRP007 Title: TIP Grouping project for Maintenance: Traffic and Safety Operations

Other

TIP Grouping project for Construction: Safety/ITS/Operational Improvements

TIP ID: 5506 Agency ID: TIPGRP003 Title: TIP Grouping project for Construction: Safety/ITS/Operational Improvements

Virginia Statewide Vehicle Fuel Conversion Program

TIP ID: 6041 Agency ID: T11802 Title: Virginia Statewide Vehicle Fuel Conversion Program

Maintenance

TIP Grouping project for Preventive Maintenance and System Preservation

TIP ID: 5524 Agency ID: TIPGRP005 Title: TIP Grouping project for Preventive Maintenance and System Preservation

Transit

CSX RF & P Rail Corridor Third Track

TIP ID: 6402 Agency ID: VRE0018 Title: Phase II - Work related potomac shores station

Dulles Corridor Metrorail Extension Phase II

TIP ID: 6362 Agency ID: 102891 and F Title: Route 28 Metrorail Station (Innovation Station)

Dulles Corridor Metrorail Project

TIP ID: 4272 Agency ID: DUL0002 Title: Dulles Corridor Metrorail Project - Phase 2

Franconia-Springfield Parkway Park-and-Ride Lots

TIP ID: **6281** Agency ID: **106274** Title: **Springfield CBD Commuter Parking Garage**

PRTC - Bus Acquisition / Replacement Program

TIP ID: **4506** Agency ID: **PRTC0005** Title: **PRTC - Bus Acquisition / Replacement Program**

PRTC - Captial Cost of Contracting

TIP ID: **5601** Agency ID: **PRTC0004** Title: **PRTC - Preventive Maintenance**

PRTC Security Enhancements

TIP ID: **5707** Agency ID: **PRTC0006** Title: **PRTC Security Enhancements**

TIP Grouping for Transit Vehicles

TIP ID: **6331** Agency ID: Title: **Transit : Vehicles**

TIP Grouping project for Transit Access

TIP ID: **6333** Agency ID: Title: **Transit : Access**

TIP Grouping project for Transit Amenities

TIP ID: **6328** Agency ID: Title: **Aminities**

Transit: Ridesharing

TIP ID: **6330** Agency ID: Title: **Transit Ridesharing**

VRE - Administration / Studies / Training

TIP ID: **4802** Agency ID: **VRE0002** Title: **Fare Collection System/Comm. Improvements**

TIP ID: **4277** Agency ID: **VRE0003** Title: **Security Enhancements Systemwide**

TIP ID: **4489** Agency ID: **VRE0008** Title: **Grant and Project Management**

VRE - Rolling Stock Acquisition

TIP ID: **4818** Agency ID: **VRE0001** Title: **Rolling Stock Modifications and Overhauls**

TIP ID: **4534** Agency ID: **VRE0009** Title: **Rolling Stock Acquisition**

VRE - Stations and Facilities

TIP ID: **6404** Agency ID: Title: **VRE Stations and Facilities**

TIP ID: **6320** Agency ID: **T10671** Title: **VRE Rippon Platforms**

TIP ID: **4310** Agency ID: **VRE0011** Title: **VRE Stations and Facilities**

VRE - Tracks and Storage Yards

TIP ID: **4070** Agency ID: **VRE0007** Title: **VRE Storage Yards Improvements**

VRE Track Lease Improvements

TIP ID: **5489** Agency ID: **VRE0012** Title: **VRE Track Lease Improvements**

Transit		
Maintenance Equipment		
TIP ID: 5861	Agency ID:	Title: Maintenance Equipment
Maintenance Facilities		
TIP ID: 5867	Agency ID:	Title: Facilities Maintenance Support – Systemwide Support Equipment, Environm
TIP ID: 5866	Agency ID:	Title: Rail Yards - Systemwide Maintenance, Expansion, Rehabilitation and Replac
TIP ID: 5857	Agency ID:	Title: Bus Garages - Systemwide Maintenance, Expansion, Rehabilitation, and Rep
Other Facilities		
TIP ID: 5862	Agency ID:	Title: Other Support Facilities
Passenger Facilities		
TIP ID: 5860	Agency ID:	Title: Passenger Facilities
Project Management and Support		
TIP ID: 5863	Agency ID:	Title: Credit Facility
Rail System Infrastructure Rehabilitation		
TIP ID: 5856	Agency ID:	Title: Rail Line Segment Rehabilitation
Systems and Technology		
TIP ID: 5858	Agency ID:	Title: Systems and Technology
Track & Structures		
TIP ID: 5859	Agency ID:	Title: Track and Structures
Vehicles/ Vehicle Parts		
TIP ID: 5855	Agency ID:	Title: MetroAccess and Service Vehicles
TIP ID: 5854	Agency ID:	Title: Buses - Replacement, Rehabilitation, Expansion, & Enhancements
TIP ID: 5853	Agency ID:	Title: Rail Cars - Replacement, Rehabilitation, Expansion, & Enhancements

DISTRICT OF COLUMBIA

FY 2017-2022 TIP Tables

Draft for Public Comment
October 13, 2016

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

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 2633 Agency ID: CI029A, CI053 Title: Size and Weight Enforcement Program									Total Cost: \$11,280

Facility: Citywide	STP	80/20/0	450 a	5,000 c	450 c	450 c	250 c		6,150
From:			440 c						
To:			150 e						

Total Funds: 6,150

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. Truck Size and Weight Program

TIP ID: 2699 Agency ID: CD018A, CD01 Title: Asset Preservation of Tunnels in the District of Columbia									Total Cost: \$41,275
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Facility: Citywide Asset Management of Tunnel	NHPP	80/20/0	650 a	1,000 a	175 a	175 a	175 a		31,325
From:			600 c	7,600 c	7,600 c	14,600 c			
To:									

Total Funds: 31,325

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.

TIP ID: 2796 Agency ID: AF066A Title: National Recreational Trails									Total Cost: \$2,100
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Facility: Citywide	NRT	80/20/0	1,125 a	300 a	300 a	300 a	300 a		1,200
From:									
To:									

Total Funds: 1,200

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).

TIP ID: 2888 Agency ID: CM086A Title: Safe Routes to School									Total Cost: \$10,406
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Facility: Safe Routes to School	SRTS	100/0/0	4,651 c	1,151 c	1,151 c	1,151 c	1,151 c		4,604
From:									
To:									

Total Funds: 4,604

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.

**DISTRICT OF COLUMBIA
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$,000)**

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 2922 Agency ID: ED064A Title: Great Streets - Minnesota Ave, NE									Total Cost: \$15,000

Facility: Minnesota Ave	STP	80/20/0	700 a	14,000 c					14,000
From: A Street, NE									
To: Sheriff Road, NE									Total Funds: 14,000

Description: Reconstruction of Minnesota Avenue from A St., SE to Sheriff Rd., NE including LIDs, streetscape. Schedule is impacted by Benning Streetcar study. Project will be phased to mitigate impacts. Phase 1 will construct from A St. to just south of Benning Road; Phase 2 will follow when streetcar study produces direction as to track route.

TIP ID: 2927 Agency ID: CD036A, CD04 Title: Citywide FA Preventive Maintenance									Total Cost: \$44,100
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Facility:	NHPP	80/20/0	9,600 c	4,800 c	10,720 c		5,360 c		20,880
From:									
To:	STP	80/20/0	2,400 c	1,200 c	2,680 c		1,340 c		5,220
									Total Funds: 26,100

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.

TIP ID: 2945 Agency ID: CM074A Title: District TDM (goDCgo)									Total Cost: \$7,000
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Facility: citywide	CMAQ	80/20/0	2,000 a	1,000 a	1,000 a	1,000 a	1,000 a		4,000
From:									
To:									Total Funds: 4,000

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.

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

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 2965 Agency ID: SR060A MRR1 Title: Roadway Reconstruction Citywide										Total Cost: \$53,900
Facility: CITYWIDE	HSIP	90/10/0								
From:										
To:	NHPP	80/20/0			6,000 c					6,000
	STP	80/20/0	1,760 a 8,000 c	19,000 c			18,000 c			37,000
Total Funds:										43,000

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. Oregon Ave. NW, Military Rd. to Western Ave.
- b. Rehabilitation of Broad Branch NW
- c. Canal Road NW, Chain Bridge to M St.
- d. New Jersey Ave., Mass Ave. to N St.
- e. Florida Ave NW, 9th to Sherman

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3202 Agency ID: CD032C, MNT0 Title: Bridge Design Consultant Services										Total Cost: \$4,075
Facility: CITYWIDE	NHPP	80/20/0	300 a	1,550 a	300 a	625 a	650 a			3,125
From:										
To:	STP	80/20/0	200 a	200 a	200 a					400
Total Funds:										3,525

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

FY2013 Citywide Open End Bridge Design Consultant Services 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.

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3210 Agency ID: AF049A Title: Transportation Alternatives Program										Total Cost: \$8,050
Facility: Citywide	STP	80/20/0	2,300 a							
From:										
To:	TAP	80/20/0		1,150 a	1,150 a	1,150 a	1,150 a			4,600
Total Funds:										4,600

Description: The Transportation Enhancements program is federally funded through the Transportation Equity Act for the 21st Century (TEA-21). The program funds projects that aim to strengthen the cultural, aesthetic, and environmental aspects of the nation's intermodal transportation system. Categories include pedestrian and bicycle facilities, scenic and historic preservation, archeological research, and environmental mitigation of runoff pollution.

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

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3212 Agency ID: CB0, CIO Title: Safety Improvements Citywide			Total Cost:							
Facility: Citywide	HSIP	90/10/0	3,254 a	3,000 a	3,000 a	3,000 a	3,000 a	3,000 a		14,260
From:			1,563 c	565 c	565 c	565 c	565 c	565 c		
To:	NHPP	80/20/0								
	SPR	80/20/0	220 a							
	STP	80/20/0	1,266 a	560 a	560 a	560 a	560 a	560 a		3,740
			1,542 c	375 c	375 c	375 c	375 c	375 c		
Total Funds:										18,000

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. City-Wide Traffic Safety
- b. CW Road Safety Audit Program
- c. Pavement Skid Testing
- d. Traffic Accident Reporting and Analysis System (TARAS)
- f. Traffic Safety Data Center at Howard University
- g. Traffic Safety Design Program - HSIP
- h. Traffic Safety Engineering Support Services
- i. Traffic Sign Inventory Upgrade
- j. Traffic Data Collection and Analysis Service
- k. Work Zone Project Management System (CWTMP)
- l. 16th Street NW Circle (Blair Circle) Improvements
- m. Alabama Avenue SE Safety Study
- n. CCTV Cameras
- o. Transportation Asset Management Plan

DRAFT
10/7/2016

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

FY 2017 - 2022

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3213 Agency ID: CAL16C, PM30 Title: Planning and Management Systems									Total Cost: \$49,377
Facility: Citywide	CMAQ	80/20/0	595 a	149 a	153 a	198 a	157 a		657
From:	HSIP	80/20/0		381 a	392 a	404 a	416 a		1,593
To:	Sect. 5339	80/20/0							
	SHRP2	100/0/0							
	SPR	80/20/0	5,800 a	6,500 a	7,000 a	6,500 a	7,000 a		27,000
	STP	80/20/0	3,653 a	3,080 a	2,280 a	2,380 a	2,130 a		9,870
	TID	100/0/0							
									Total Funds: 39,120

- Description:
- a. ADA Ramps
 - b. Asset Inventory and ADA Compliance
 - c. Civil Rights/EEO Compliance Monitoring Program
 - d. Climate Change and Air Quality
 - e. Constructability and Work Zone Safety Review
 - f. DBE Support Services
 - g. District STIP Development
 - h. Environmental Management System
 - i. Metropolitan Planning
 - j. State Planning and Research Program
 - k. Boundary Stones
 - l. Research Development and Technology
 - m. Audit and Compliance
 - n. Non-Destructive Concrete Tester and Surveyor
 - o. Utility Location 3D Data Repository
 - p. Research and Innovation Implementation and Evaluation
 - q. Summer Transportation Institute
 - r. Bus Stop ADA Improvements

TIP ID: 3215 Agency ID: SR092A Title: Federal Aid Pavement Restoration									Total Cost: \$65,100
Facility: Citywide	STP	80/20/0	9,300 c		37,200				
From:									
To:									
									Total Funds: 37,200

Description: Citywide pavement and resurfacing/restoration, upgrading of sidewalk, curb and gutter, and wheelchair ramps.

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

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3216 Agency ID: OSS07A, CI060 Title: Traffic Operations Improvements Citywide										
Total Cost:										
Facility:	DEMO	80/20/0	96 a							
From:										
To:	NHPP	80/20/0	428 c	477 c	477 c	477 c	477 c	477 c		1,908
	NHS	80/20/0	310 a							
	STP	80/20/0	2,700 a	1,000 a	1,000 a	1,000 a	1,000 a	1,000 a		37,950
			17,365 c	7,900 c	8,000 c	8,000 c	8,000 c	8,000 c		
			1,500 e	600 e	550 e	500 e	400 e			
Total Funds: 39,858										

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. ITS On Call Technical Support Services
- b. MATOC Annual Fee
- c. Traffic Management Center Operations
- d. Citywide Thermoplastic Pavement Markings
- e. Advanced Traffic Management System
- f. Infrastructure Information Technology Support Services
- g. Moveable Barrier System
- h. Implementation of Advanced Traffic Signal Controllers for DC Signal System
- i. Maintenance of Existing Transportation Systems

TIP ID: 3219 Agency ID: ZU022A Title: Commuter Connections Program										
Total Cost: \$4,900										
Facility:	CMAQ	80/20/0	1,400 a	700 a		2,800				
From:										
To:										
Total Funds: 2,800										

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.

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

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3228 Agency ID: AF073A, ZU024 Title: Metropolitan Branch Trail										Total Cost: \$7,432
Facility: Union Station District Line	CMAQ	80/20/0	400 a	3,300 c						3,300
From:										
To:	DEMO	80/20/0	732 a	300 a						300
Total Funds:										3,600

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

TIP ID: 3230 Agency ID: AF005A Title: Rock Creek Park Trail										Total Cost: \$8,550
Facility: M Street to Beach Drive	CMAQ	80/20/0		5,050 c						5,050
From: Piney Branch Pkwy										
To: 16th Street	DEMO	80/20/0	500 a							
Total Funds:										5,050

Description: Rehabilitate the paved trail in Rock Creek Park including selected widening, resurfacing, new connections, and a new bridge south of the Zoo tunnel. Retaining wall repair on Piney Branch.

TIP ID: 3232 Agency ID: CM064A, ZUT0 Title: Bicycle and Pedestrian Management Program										Total Cost:
Facility: Citywide	CMAQ	80/20/0	2,935 c	1,165 c	605 c	165 c	165 c			2,100
From:										
To:										Total Funds: 2,100

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)

TIP ID: 3242 Agency ID: CA303C, MNT0 Title: Maintenance, Rehab and Reconstruction of Stormwater-Hydraulic Structures and Flood										Total Cost: \$3,215
Facility:	STP	80/20/0	250 a	350 a						1,100
From:			750 c	750 c						
To:										Total Funds: 1,100

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.

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

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3243 Agency ID: CD062A Title: Citywide Consultant Bridge Inspection									Total Cost: \$13,150

Facility:	NHPP	80/20/0	2,650 a	1,850 a	1,850 a	3,750 a			7,450
From:									
To:									
									Total Funds: 7,450

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: 3290 Agency ID: SR049A Title: Reconstruction of Kenilworth Avenue, NE									Total Cost: \$13,050
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Facility: Kenilworth Ave, NE	NHPP	80/20/0		13,050 c					13,050
From: East Capitol St Ramp									
To: Rail Over Pass north of Benning Rd	NHS	80/20/0	750 a						
									Total Funds: 13,050

Description: Design of Kenilworth Ave/I295 from East Capitol Street, NE to Penn Rail Road Bridge over pass is a total reconstruction project. The length of the project is about 2,600 both directions. The design project will include upgrade of the existing curb and gutter, replace existing fences, remove the existing temporary Jersey Barriers and replace with permanent Jersey Barriers and address the current hydraulic problem.

TIP ID: 3355 Agency ID: PM086A Title: Professional Capacity-Building Strategy									Total Cost: \$7,000
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Facility: Citywide	STP	80/20/0	2,000 a	1,000 a	1,000 a	1,000 a	1,000 a		4,000
From:									
To:									
									Total Funds: 4,000

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.

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

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3423 Agency ID: AW011, AW024 Title: South Capitol Street Corridor									Total Cost: \$554,172
Facility: DEMO	80/20/0	36,018 c							
From: N St, MLK Ave, Suitland Pkwy, Memorial Bri									
To: GARVEE	80/20/0		48,690 c	84,270 c	76,330 c				209,290
	NHPP	80/20/0		22,320 c	22,320 c	22,320 c			66,960
	State	0/100/0	34,420 c	4,294 c	24,303 c				63,017
Total Funds:									339,267

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 Suitland 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 Suitland Parkway. 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. 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.

TIP ID: 5298 Agency ID: AF067A Title: Emergency Transportation Project									Total Cost: \$175
Facility: C ITYWIDE	STP	80/20/0	25 c		100				
From:									
To:									
Total Funds:									100

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,

TIP ID: 5313 Agency ID: CG311, CG312, Title: Urban Forestry Program									Total Cost: \$10,800
Facility: Citywide	NHPP	80/20/0		1,512 c		1,512 c			3,024
From:									
To: NHS	80/20/0		1,500 c						
	STP	80/20/0	4,200 c	2,088 c		2,088 c			4,176
Total Funds:									7,200

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

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

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 5316 Agency ID: CD062A Title: Impact Attenuators and Guiderails										Total Cost:

Facility: Citywide	HSIP	90/10/0	1,600 c		1,675 c	1,700 c	1,700 c			5,075
From:										
To:	Total Funds: 5,075									

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.

TIP ID: 5322 Agency ID: CM085A Title: Preventive Maintenance and Repair of Stormwater Pumping Stations										Total Cost: \$3,336
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Facility:	CMAQ	80/20/0		600 a	650 a	700 a	750 a			2,700
From:										
To:	State	0/100/0	303 a	1,000 a	1,000 a					2,000
										Total Funds: 4,700

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, SR09 Title: Condition Assessment										Total Cost:
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Facility: citywide	State	0/100/0	700 a							
From: citywide										
To:	STP	80/20/0	1,650 a	1,000 a	650 a	1,000 a	650 a			3,300
										Total Funds: 3,300

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

TIP ID: 5334 Agency ID: CD052A Title: Safety Improvements of Benning Road Bridges over Kenilworth Ave										Total Cost: \$23,000
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Facility: Benning Road over Kenilworth	NHPP	80/20/0		20,000 c						20,000
From:										
To:	Total Funds: 20,000									

Description: Structural design of three bridge alternatives. The project scope includes infrastructure improvements within vicinity of the bridges, including construction of handicap ramps according to ADA guidelines.

TIP ID: 5337 Agency ID: CD051A Title: Replacement of Pedestrian Bridges over Kenilworth Ave										Total Cost: \$16,500
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Facility: Kenilworth	STP	80/20/0	1,000 a		9,000 c					9,000
From:										
To:	Total Funds: 9,000									

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

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

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 5339 Agency ID: SR037A Title: FY2012 Pavement Restoration - NHPP Streets										Total Cost: \$29,350
Facility:	NHPP	80/20/0	6,000 c	150 a	5,200 c					11,350
From:				6,000 c						
To:										
Total Funds: 11,350										

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										Total Cost:
Facility: 14th Street Bridge northbound over the Poto	NHPP	80/20/0	750 a	23,500 c						23,500
From:										
To:										
Total Funds: 23,500										

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).

TIP ID: 5347 Agency ID: CI046A, CI047 Title: Traffic Signal Maintenance NHPP-STP										Total Cost: \$59,000
Facility: Citywide	HSIP	90/10/0	1,240 c	500 c	1,000 c	1,000 c	1,000 c	1,000 c		3,500
From: Citywide	NHPP	80/20/0	1,164 c	2,420 c	2,450 c	2,480 c	2,510 c			9,860
To: Citywide	NHS	80/20/0	3,121 c							
	STP	80/20/0	3,950 a	1,250 a	1,750 a	1,750 a	1,750 a			28,100
			13,619 c	5,650 c	5,650 c	5,150 c	5,150 c			
Total Funds: 41,460										

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. Citywide Traffic Signal Construction Contract
- b. Citywide Traffic Signal Construction Contract (National Highway System Routes)
- c. Traffic Signal Consultant Design
- d. Traffic Signal Optimization
- e. Traffic Signal Uninterruptible Power Supply
- f. Traffic Signal Maintenance - NHPP
- g. Traffic Signal Maintenance - STP
- h. Asset Inventory, Preliminary Design and RFP Development for Improved Signal System and Communication Network
- I. Traffic Signal Systems Analysis
- J. Implementation of Freeway Traffic Management System

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

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 5350 Agency ID: AD304 Title: Streetlight Asset Mgmt & Streetlight Construction - Local									Total Cost: \$10,500
Facility: Citywide	State	0/100/0	4,236 a	300 a	300 a	300 a	300 a		34,800
From:			43,989 c	8,400 c	8,400 c	8,400 c	8,400 c		
To:									
									Total Funds: 34,800

Description: This project will provide maintenance of streetlights, alley lights, alley tree trimming for blockage of alley lighting, knockdowns, and asset inventory for lighting on non-federally-funded streets.

TIP ID: 5353 Agency ID: ED028A Title: Roadway and Bridge Improvement on Southern Avenue and Bridge #64 (over Winkle Do									Total Cost: \$19,100
Facility: Southern Avenue	STP	80/20/0	1,100 a	15,100 c					15,100
From: South Capitol Street									
To: 23rd Street									
									Total Funds: 15,100

Description: The purpose of this project is to identify solutions that improve the livability of the Southern Avenue corridor from South Capitol Street SE to 23rd Street SE.

TIP ID: 5385 Agency ID: AD020A Title: Streetlight Asset Mgmt - Federal									Total Cost:
Facility: Citywide	NHPP	80/20/0	606 c	3,384 c	3,384 c	3,384 c	3,384 c		13,536
From:	NHS	80/20/0	3,000 c						
To:	STP	80/20/0	964 c	5,383 c	5,383 c	5,383 c	5,383 c		21,532
									Total Funds: 35,068

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:

- a) Street Light Replacement
- b) Streetlight Design Services
- c) Streetlight System Upgrade
- d) Streetlight Conversion
- e) Electrical Upgrade
- f) CW painting of street light and traffic signal poles
- g) CW Street and Bridge Light Maintenance
- h) Multiple Circuit Conversion
- i) Streetlight Asset Management
- j) Highway Lighting
- k) Emergency Response to Knockdowns

TIP ID: 5433 Agency ID: PM094A, CD05 Title: Bridge management Project/AASHTOWARE									Total Cost: \$2,125
Facility: Citywide	NHPP	80/20/0	275 a	300 a	325 a	325 a	325 a		1,275
From: Citywide									
To:	STP	80/20/0	300 e	300 e	300 e	310 e	310 e		1,220
									Total Funds: 2,495

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

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

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 5439 Agency ID: AD017A Title: Citywide streetlight construction			Total Cost:						
Facility: citywide	STP	80/20/0	450 a	100 a	100 a	100 a	100 a		4,000
From: citywide			900 c	900 c	900 c	900 c			
To:									
Total Funds:									4,000

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			Total Cost: \$82,390						
Facility:	NHPP	80/20/0	11,763 c	11,774 c	11,772 c	11,771 c	11,771 c		47,088
From:									
To:									
Total Funds:									47,088

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

TIP ID: 5723 Agency ID: AW027A Title: St. Elizabeths Campuses Access Improvements			Total Cost: \$108,980						
Facility:	GSA Earmark	80/20/0		31,420 c	24,800 c				56,220
From:									
To:									
Total Funds:									56,220

Description: Multimodal transportation improvements to accommodate the DHS consolidation at ST. Elizabeths East and West Campuses, and other nearby development. West Campus project will improve access and transportation flow in and around the area. Improvements include I-295 interchange reconfigurations, roadway, safety, ITS and operational improvements to nearby streets. Project details include:

- a. I-295 interchange reconfigurations – I-295/Malcolm X Ave., I-295/South Capitol St.; Malcolm X Ave. east and west of I-295- (PE)
- b. Roadway infrastructure in and around the two campuses – 13th St., Sycamore St., Dogwood St., Pecan St. Cypress St., and West Campus Access Rd. - (PE)
- c. MLK Ave, Malcolm X Ave., Firth Sterling, Alabama Ave. - (PE)

TIP ID: 5754 Agency ID: CM080A Title: Benning Road Extension			Total Cost: \$82,750						
Facility: Streetcar Line	CMAQ	80/20/0	3,200 a						
From:									
To:	State	0/100/0	2,000 a	23,614 c	27,363 c	21,644 e			92,217
Total Funds:									92,217

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.

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

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 5755 Agency ID: STC12A Title: Union Station to Georgetown Premium Transit; K Street Transit									Total Cost: \$76,290
Facility: Premium Transit	CMAQ	80/20/0	1,500 d						
From:									
To:	NHPP	80/20/0	7,500 a	31,500 c	34,875 c				73,875
	State	0/100/0	4,250 a		24,280 c	45,014 c			69,294
									Total Funds: 143,169

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									Total Cost:
Facility: C Street/N. Carolina Avenue	STP	80/20/0		4,000 c					4,000
From: Oklahoma Avenue									
To: 14th Street NE									
									Total Funds: 4,000

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

TIP ID: 5802 Agency ID: CD044A Title: Program Manager AWI									Total Cost: \$52,500
Facility: Citywide	NHPP	80/20/0	7,500 a	7,000 a	6,500 a	6,000 a	5,500 a		25,000
From:									
To:									
									Total Funds: 25,000

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.

TIP ID: 5804 Agency ID: MRR04A Title: East Capitol St. Bridge over Anacostia River, Br. # 233									Total Cost: \$16,000
Facility: Anacostia Freeway Bridge over Anacostia Ri	NHPP	80/20/0				16,000 a			16,000
From:									
To:									
									Total Funds: 16,000

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.

TIP ID: 5922 Agency ID: AF081A Title: District Freight Plan									Total Cost: \$300
Facility: Citywide	STP	80/20/0	450 a	150 a	150 a				300
From:									
To:									
									Total Funds: 300

Description: Development of a District freight plan to enhance the safety and efficiency of goods movement

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10/7/2016

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

FY 2017 - 2022

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 5957 Agency ID: AW0, EW002C Title: Pennsylvania Ave/Potomac Circle										Total Cost: \$5,750

Facility: Pennsylvania Ave and Potomac Circle HSIP 80/20/0 5,750 c 5,750

From: _____
To: _____ **Total Funds: 5,750**

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: 5959 Agency ID: MRR16A Title: Virginia Avenue Tunnel Project										Total Cost: \$201,300
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Facility: Virginia Ave. SE PRIV 0/0/0 200,500 c 1,200 c 1,200 c 2,400

From: _____
To: _____ **Total Funds: 2,400**

Description: The existing railway tunnel is owned and operated by CSX Transportation, Inc. (CSXT) and has long been identified as one of the most significant freight bottlenecks on the East Coast. CSXT proposes to improve freight transportation reliability and capacity through the District by replacing the existing 106 year old 4,000 foot-long tunnel. The proposal includes the restoration of a second track within the tunnel and increasing the tunnel height to a minimum 20 foot clearance to accommodate intermodal trains transporting double-stacked standard cargo containers.

TIP ID: 6014 Agency ID: SR088A Title: Maryland Avenue NE Road Diet										Total Cost: \$3,600
---	--	--	--	--	--	--	--	--	--	----------------------------

Facility: Maryland Ave. NE STP 80/20/0 3,300 c 3,300

From: 2nd Street NE
To: 15th Street NE **Total Funds: 3,300**

Description: To improve pedestrian safety on Maryland Avenue from 2nd Street to 15th Street NE.

TIP ID: 6038 Agency ID: Title: Garvee Debt Service										Total Cost:
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Facility: _____ NHPP 80/20/0 12,320 c 18,030 c 18,030 c 18,030 c 66,410

From: _____
To: _____ **Total Funds: 66,410**

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										Total Cost: \$22,750
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Facility: H Street NE NHPP 80/20/0 500 a 4,250 c 6,500 c 12,000 c 22,750

From: North Capitol Street
To: 3rd Street NE **Total Funds: 22,750**

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.

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

FY 2017 - 2022

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6082 Agency ID: MRR15A Title: Anacostia Freeway Bridges over Nicholson Street SE (Bridges #1001, 1002)										Total Cost: \$8,000

Facility: Anacostia Freeway Bridges at Nicholson
From: NHPP 80/20/0 1,000 a 9,500 c 9,500
To: **Total Funds: 9,500**

Description: Rehabilitation of subject bridges to eliminate all deficiencies and to make the facility safe for the traveling public. Two bridges are structurally deficient and must be rehabilitated under the requirements of MAP21.

TIP ID: 6097 Agency ID: MRR14A Title: Rehabilitation of Anacostia Freeway Bridges over South Capitol Street (Bridge No. 1016)										Total Cost: \$21,000
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Facility: Anacostia Freeway over South Capitol Street
From: NHPP 80/20/0 1,000 a 20,000 c 20,000
To: **Total Funds: 20,000**

Description: Rehabilitation or replacement of subject bridges to eliminate all structural deficiencies and to make the facilities safe for the traveling public. The bridges are structurally deficient and must be rehabilitated under the requirements of MAP21.

TIP ID: 6102 Agency ID:	Title: 5303/5304 FTA Program								Total Cost: \$2,874
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Facility: Citywide
From: Sect. 5303 80/20/0 760 a 415 a 415 a 415 a 415 a 1,660
To: Sect. 5304 80/20/0 198 a 110 a 110 a 110 a 110 a 440
Total Funds: 2,100

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

TIP ID: 6103 Agency ID:	Title: DC Circulator Expansion - Phase I								Total Cost: \$3,750
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Facility: State 0/100/0 1,576 e 750 e 750 e 750 e 750 e 3,000
From: **Total Funds: 3,000**
To:

Description: Implement the Phase I DC Circulator routes as identified in the DC Circulator 10-Year Transit Development Plan

TIP ID: 6105 Agency ID:	Title: DC Circulator New Buses for Replacement and Expansion								Total Cost: \$8,925
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Facility: State 0/100/0 21,539 e 17,600 e 7,100 e 24,700
From: **Total Funds: 24,700**
To:

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										Total Cost:
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Facility: CMAQ 80/20/0 700 a 9,700 c 9,700
From: **Total Funds: 9,700**
To:

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

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

			Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6115	Agency ID: CI040A	Title: Traffic Signal LED Replacement	Total Cost: \$8,400									
Facility:		NHPP	80/20/0	600 c	540 c	540 c	540 c	540 c	540 c			2,160
From:												
To:		STP	80/20/0	600 c	540 c	540 c	540 c	540 c	540 c			2,160
												Total Funds: 4,320

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

TIP ID: 6184	Agency ID: OSS14A	Title: Mid City East	Total Cost: \$3,000									
Facility:	Eckington, Bloomingdale, LeDroit, Hannover	STP	80/20/0		2,500 c							2,500
From:	Eckington											
To:	Shaw											
												Total Funds: 2,500

Description: The Mid City East Livability Study seeks to improve physical connectivity among the neighborhoods of Mid City East and their connections to the opportunities and assets of the larger city. Local transportation networks are envisioned as safe and comfortable for travelers of all ages and abilities, contributing to the health of the community and environment and celebrating local identity. The study covers the neighborhoods of Eckington, Bloomingdale, LeDroit, Hannover-Bates, and parts of Shaw.

TIP ID: 6187	Agency ID: MRR27A	Title: Rehabilitation of I-395 HOV Bridge over Potomac River	Total Cost: \$39,250									
Facility:	I-395 HOV	NHPP	80/20/0	750 a				38,500 c				38,500
From:	Over Potomac River											
To:	Over Potomac River											
												Total Funds: 38,500

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

TIP ID: 6189	Agency ID: MRR24A	Title: Columbia Road, NW, Reconstruction 16th to 18th Streets and Resurface 18th Street to C	Total Cost: \$1,000									
Facility:	Columbia Road, NW	STP	80/20/0				1,000 a					1,000
From:	16th Street, NW											
To:	Connecticut Ave, NW											
												Total Funds: 1,000

Description: Pavement reconstruction from 16th to 18th Street to remove old streetcar tracks and Resurface from 18th Street to Connecticut Ave. Improve curb and gutter, sidewalk, streetlight, traffic signals, upgrade ADA ramps, drainage catch basins, add LID's, median planter and replace trees.

TIP ID: 6190	Agency ID: FLD01	Title: Bloomingdale/LeDroit Park Medium Term Flood Mitigation Project	Total Cost: \$10,000									
Facility:	Bloomingdale/LeDroit Park	State	0/100/0	500 a	500 a	500 a						4,000
From:				1,500 c	1,500 c	1,500 c						
To:												
												Total Funds: 4,000

Description: The exact street locations are not known at this time but the work is confined to the Bloomingdale and LeDroit Park communities, per the Mayor's Task force on Bloomingdale/LeDroit Flood Mitigation Report.

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

FY 2017 - 2022

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6193 Agency ID: PM0D7A Title: Cleveland Park Study									Total Cost:
Facility: Connecticut Ave. NW	NHPP	80/20/0	2,415	c					2,415
From: Porter Street NW									
To: Macomb Street NW									
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.									Total Funds: 2,415
TIP ID: 6194 Agency ID: Temp1315 Title: Normanstone/Fulton Street Culvert & LID									Total Cost: \$2,200,000
Facility: Normanstone Drive	FLAP	100/0/0	1,500	c					1,500
From: Fulton Street									
To: 34th Street	State	0/100/0	2,200	c	600	c			600
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									Total Funds: 2,100
TIP ID: 6195 Agency ID: ZU033A Title: Florida Avenue Transportation Study									Total Cost: \$12,000
Facility: Florida Avenue, NE	STP	80/20/0	1,000	a					1,000
From: 1St Street, NE									
To: H Street, NE									
Description: Implementation of Florida Avenue Transportation Study recommendations, which may include reconstruction of Florida Ave from Benning Rd to New York Ave, safety improvements and streetscape upgrades.									Total Funds: 1,000
TIP ID: 6230 Agency ID: ZU010A Title: New York Avenue Trail									Total Cost: \$3,600
Facility: Paved trail/sidewalk	CMAQ	80/20/0	400	a	3,300	c			3,300
From:									
To:									
Description: Design and build a new trail along New York Avenue NE.									Total Funds: 3,300

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

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6240 Agency ID: MRR01A Title: Safety and Geometric Improvements of I-295									Total Cost:	\$11,500

Facility: I-295/DC-295 NHPP 80/20/0 1,500 a 2,500 c 6,500 c 9,000

From: _____
To: _____ **Total Funds: 9,000**

Description: Safety and geometry improvement of I295/DC 295. Work includes upgrade substandard ramps, extend merge area & acceleration lane, review slip ramps, complete missing interchange movements, reduce congestion, provide access for vehicular traffic, pedestrian and cyclists that include, road configuration, sidewalk improvement, pavement markings, median, island, traffic signal, signs, street lighting, and guardrails at interchanges along I-295/DC 295 between Eastern Avenue and Chesapeake St.

- a. DC 295/ Eastern Ave NE
- b. DC 295/ Nannie Helen Burroughs Avenue from Sheriff Road NE/ Minnesota Avenue NE to Kenilworth Avenue NE/ Kenilworth Terrace NE
- c. DC 295/ Benning Rd, SE
- d. DC 295/ East Capitol St, SE
- e. DC 295/ Pennsylvania Ave, SE
- f. South Capitol Street to I-295 southbound toward Overlook Avenue, SW
- g. DC 295/ Chesapeake St, SW
- h. Kenilworth Avenue NE
- i. DC 295 Mainline Improvements

TIP ID: 6283 Agency ID: PM0A4A Title: Managed Lanes									Total Cost:	\$21,309
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Facility: Rochambeau Bridge, I-395, SW/SE Freeway NHPP 80/20/0 5,000 a 5,309 a 5,309

From: _____
To: _____ **Total Funds: 5,309**

Description: The project is to perform a high level feasibility review to identify any potential flaws or major obstacles to completing the project as a public-private partnership (P3) and lay out the critical path to moving the project forward. Phase I: to include NEPA, design, and construction for Rochambeau Bridge. Phase II: to include NEPA, design, and construction for the SE/SW Freeway. Phase III: to include NEPA, design, and construction of I-295.

TIP ID: 6315 Agency ID: SR086A Title: East Capitol Street Corridor Mobility & Safety Plan									Total Cost:	\$3,800
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Facility: Street STP 80/20/0 3,300 c 3,300

From: _____
To: _____ **Total Funds: 3,300**

Description: Design and Construct pedestrian safety and traffic operations improvements

TIP ID: 6408 Agency ID: Title: Off-Hours Freight Delivery Pilot Project									Total Cost:	\$300
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Facility: HRDP 50/50/0 140 a 140

From: _____
To: _____ **Total Funds: 140**

Description: The DDOT Off-Hours Freight Delivery Pilot Project will focus on improving the management of curbside loading zones in the city by incentivizing businesses to shift to off-hour deliveries. The District has a constrained infrastructure with multiple modes competing for use of the same space and DDOT believes that a focus on encouraging off-hour deliveries would contribute significantly to reducing congestion.

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

FY 2017 - 2022

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total	
TIP ID: 6412 Agency ID:			Title: Reconstruction of 18th Street, NW from Virginia Ave to Connecticut Ave/M Street					Total Cost:		\$1,000
Facility: 18th Street NW	STP	80/20/0	1,000 a						1,000	
From: Virginia Ave NW										
To: M Street NW										
Description: Pavement reconstruction including improvement of curb and gutter, sidewalk, streetlight, traffic signals upgrade ADA ramps, drainage catch basins, LID's, and replace trees.									Total Funds: 1,000	
TIP ID: 6413 Agency ID:			Title: Reconstruction of 21st Street, NW from Constitution Ave to G Street and From I Street to					Total Cost:		\$1,000
Facility: 21st Street NW	STP	80/20/0		1,000 a					1,000	
From: Constitution Ave NW / I Street NW										
To: G Street NW / New Hampshire Ave NW										
Description: Pavement reconstruction including improvement of curb and gutter, sidewalk, streetlight, traffic signals upgrade ADA ramps, drainage catch basins, LID's, and replace trees on 21st Street NW, from Constitution Ave to G Street and from I Street NW to New Hampshire Ave NW									Total Funds: 1,000	
TIP ID: 6414 Agency ID:			Title: Reconstruction of Kenyon Street NW from Park Place NW to 13th Street NW					Total Cost:		\$6,500
Facility: Kenyon Street NW	STP	80/20/0		1,000 a	5,500 c				6,500	
From: Park Place NW										
To: 13th Street NW										
Description: Pavement reconstruction including improvement of curb and gutter, sidewalk, streetlight, traffic signals upgrade ADA ramps, drainage catch basins, LID's, and replace trees on Kenyon Street NW from Park Place NW to 13th Street NW									Total Funds: 6,500	
TIP ID: 6415 Agency ID:			Title: Reconstruction of Columbia Rd NW from Michigan Ave NW/Park Place to 15th Street					Total Cost:		\$1,000
Facility: Columbia Rd NW	STP	80/20/0			1,000 d				1,000	
From: Michigan Ave NW/ Park Place NW										
To: 15th Street NW										
Description: Pavement reconstruction including improvement of curb and gutter, sidewalk, streetlight, traffic signals upgrade ADA ramps, drainage catch basins, LID's, and replace trees on Columbia Rd NW from Michigan Ave/Park Place to 15th Street NW									Total Funds: 1,000	
TIP ID: 6416 Agency ID:			Title: Rehabilitation of I-66 Ramp to Whitehurst Freeway over Potomac Pkwy and Rock Creek (Total Cost:		\$6,000
Facility: I-66 Ramp to Whitehurst Freeway over Pot	NHPP	80/20/0		1,000 a	5,000 c				6,000	
From: I-66 Ramp										
To: Whitehurst Freeway over Potomac Pkwy an										
Description: Rehabilitation of the concrete substructures and superstructure and other related miscellaneous repairs of I-66 Ramp to Whitehurst Freeway over Potomac Pkwy and Rock Creek (Bridge No. 1303).									Total Funds: 6,000	
TIP ID: 6417 Agency ID:			Title: Rehabilitation of K Street NW Bridge, over Whitehurst Freeway Ramp (Bridge No. 1304)					Total Cost:		\$7,000
Facility: K Street Bridge over Whitehurst Freeway Ra	NHPP	80/20/0	1,000 a		6,000 c				7,000	
From:										
To:										
Description: Rehabilitation of the concrete substructures and superstructure and other related miscellaneous repairs on K Street NW Bridge, over Whitehurst Freeway Ramp (Bridge No. 1304).									Total Funds: 7,000	

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

FY 2017 - 2022

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6425 Agency ID: Title: Reconstruction of Harvard Street NW from 16th St NW to Georgia Ave NW										Total Cost: \$1,000
Facility: Harvard Street NW	STP	80/20/0		1,000	a					1,000
From: 16th Street, NW										
To: Georgia Avenue NW										
Description: Pavement reconstruction from Harvard Street from 16th Street to Georgia Ave, Improve Curb and gutter, sidewalk, streetlight, traffic signals, upgrade ADA ramps, drainage catch basins, add LID's median planter and replace trees.										Total Funds: 1,000
TIP ID: 6426 Agency ID: Title: Rehabilitation of 14th Street, SW Bridge over Streetcar Terminal										Total Cost: \$6,000
Facility: 14 Street SW Bridge over Streetcar Terminal	NHPP	80/20/0		5,500	c					5,500
From:										
To:										
Description: Rehabilitation of the concrete substructures and superstructure and other related miscellaneous repairs.										Total Funds: 5,500
TIP ID: 6427 Agency ID: Title: Kenilworth Terrace Bridge over Watts Branch										Total Cost: \$3,125
Facility: Kenilworth Terrace Bridge over Watts Branch	STP	80/20/0					250	a		250
From:										
To:										
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.										Total Funds: 250
TIP ID: 6492 Agency ID: Title: Safety Improvements of 22nd and I NW										Total Cost: \$400
Facility: Pennsylvania Ave, NW	HSIP	80/20/0		350	c					350
From: 22nd Street NW										
To: I Street NW										
Description: Safety improvements of 22nd and I Street, NW. Improve curb and gutter, sidewalk, streetlights, mtraffic signals, upgrade ADA rampsdrainage catch basins, a LIDs.										Total Funds: 350
TIP ID: 6493 Agency ID: Title: Reconstruction of Ward II										Total Cost: \$10,000
Facility: 21st Street NW, Florida Ave NW, and Mass	STP	80/20/0					9,000	c		9,000
From:										
To:										
Description: Reconstruction of Ward II including four locations: 21st Street NW, from O St to Mass Ave, Florida Ave, from Decatur St. to Mass Ave. NW, Mass Ave NW from 20th St to 23rd St., and Mass Ave NW from Decatur St to Belmont St. Pavement reconstruction including improvement of curb and gutter, sidewalk, streetlights, traffic signals, upgrade ADA ramps, drainage catch basins, LID's and replace trees.										Total Funds: 9,000

SUBURBAN MARYLAND

FY 2017-2022 TIP Tables

Draft for Public Comment
October 13, 2016

Federal Funding Programs and Non-Federal Match Requirements

Transportation agencies frequently use federal funds provided by the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) to cover the cost of implementing projects and programs included in the TIP. The federal funding programs administered by these two agencies usually require that a matching contribution of some level be provided from a non-federal source. Non-federal or “matching” funds are typically provided by the state and/or local governments.

In most sections of this TIP document, this funding arrangement is shown in a column to the right of the source name as a three-way split between Federal, State, and Local sources. For example, a funding amount of \$1 million shown with an 80/20/0 split would indicate that \$800,000 would be coming from the identified federal source, and \$200,000 in matching funds would be provided by the state government.

The data provided by the Maryland Department of Transportation State Highway Administration for this section of the FY 2017-2022 TIP shows the federal funding and non-federal matching funds as separate line items under each project.

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

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

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

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

TIP ID: 2894	Agency ID: PG3331	Title: I-95/I-495 at Greenbelt Metro Station Interchange Construction	Complete: 2020	Total Cost: \$167,107				
Facility: I 95 at Greenbelt Metro Station	NHPP	4,803 a	1,764 a	22,448 c	31,808 c	34,045 c	28,697 c	118,762
From:	State	1,277 a	498 a	2,000 b	3,232 b	3,225 b	8,095 c	42,240
To:		24 b	283 b	6,332 c	8,972 c	9,603 c		
		1 c						
Total Funds:								161,002

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

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

Source	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3038 Agency ID: AWEN Title: Environmental Projects		Complete:				Total Cost:		
Facility: HSIP		77 a	62 a	62 a	62 a	64 a	46 a	976
From:		2 b	2 b	2 b	2 b	99 c	1 b	
To:		124 c	99 c	99 c	99 c		74 c	
<hr/>								
NHPP		1,190 a	725 a	274 a	274 a	643 a	629 a	9,828
		31 b	19 b	7 b	7 b	17 b	17 b	
		1,911 c	1,164 c	439 c	439 c	1,032 c	1,010 c	
<hr/>								
NRT		155 a						408
		4 b						
		249 c						
<hr/>								
State		644 a	451 a	212 a	212 a	483 a	473 a	6,532
		17 b	12 b	6 b	6 b	12 b	12 b	
		1,032 c	745 c	341 c	341 c	772 c	761 c	
<hr/>								
STP		1,190 a	1,053 a	547 a	547 a	1,259 a	1,245 a	15,370
		31 b	28 b	14 b	14 b	33 b	33 b	
		1,911 c	1,691 c	878 c	878 c	2,020 c	1,998 c	
Total Funds:								33,114

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

TIP ID: 3044 Agency ID: MO3511 Title: I-270 at Watkins Mill Road Interchange Construction		Complete: 2020				Total Cost: \$129,742		
Facility: I 270 at Watkins Mill Road	Local	4,900 a						
From:	NHPP	4,641 a	68 b	1,096 b	1,096 b	973 b		3,233
To:		7,056 b						
<hr/>								
State		1,278 a	30,422 c	42,317 c	35,892 c			108,631
		3 c						
Total Funds:								111,864

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

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

Source	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3057 Agency ID: MO6322 Title: MD 124 Phases 2-3 Highway Reconstruction		Complete: 2020 Total Cost: \$113,500						
Facility: MD 124	HPP	18 b						
From: Midcounty Highway								
To: Warfield Road	Local			2,500 b	2,500 b			5,000
	State	3,011 a 6 b	851 a	869 a	121 a			1,841
Total Funds:								6,841

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

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

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

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

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

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

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

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

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

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

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

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

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

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

TIP ID: 3104 Agency ID: MO8541 Title: MD 97 at Randolph Road Interchange Construction		Complete: 2017				Total Cost: \$78,017		
Facility: MD 97 at Randolph Road	Local	13,573 b						
From:		1,573 c						
To:								
NHPP		4,275 b	2,697 b					19,565
		16,806 c	16,868 c					
State		1,647 a	806 b	700 b				5,584
		4,336 b	4,078 c					
		5,189 c						
STP		5,470 a						
Total Funds:								25,149

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

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

FY 2017 - 202

Source	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3106 Agency ID: MO7461 Title: MD 97 at Brookeville Highway Construction		Complete: 2020 Total Cost: \$42,771						
Facility: MD 97	Local	3,525 a	250 a	1,711 b	6,374 c	1,626 b		11,461
From: Gold Mine Road		14 b	1,500 b					
To: North of Brookeville								
	NHPP	1,594 a						
	State	470 a	8,907 c	15,396 c	1,374 b			25,677
		30 c						
Total Funds:								37,138

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: 2022 Total Cost: \$49,804							
Facility: US 1	State	379 a	2,000 b	4,829 b	1,421 b	8,709 c	9,826 c	10,107 c	40,481
From: College Avenue		1,063 b			3,589 c				
To: I 95									
	STP	4,887 a	1,200 a	994 a	800 a				2,994
Total Funds:								43,475	

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

TIP ID: 3469 Agency ID: PG3916 Title: MD 5 Corridor Study		Complete: 2025 Total Cost: \$715,700						
Facility: MD 5	NHPP	1,312 a						
From: US 301		6,372 b						
To: I 95								
	State	4,373 a	130 a					130
		1,797 b						
Total Funds:								130

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

TIP ID: 3476 Agency ID: MO8861 Title: MD 28/MD 198 Corridor Study		Complete: 2025 Total Cost: \$356,600						
Facility: MD 28/198	State	1,990 a	1,125 a	710 a				1,835
From: MD 97		2 b						
To: I 95								
	STP	3,207 a						
Total Funds:								1,835

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

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

FY 2017 - 202

Source	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total	
TIP ID: 3542 Agency ID: MO3441 Title: MD 355 Phase 2 Highway Reconstruction		Complete: 2020					Total Cost: \$87,600		
Facility: Montrose Parkway	Local	3,491 a		5,509 a				5,509	
From: Randolph Road									
To: East of Parklawn Drive	State	1,860 a							
Total Funds:								5,509	

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

Source	Previous Funding	FY 2017	FY 2018	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: 2022					Total Cost: \$140,314		
Facility: MD 4 at Suitland Parkway	HPP	5,684 a		10,000 c				10,000	
From:									
To:	NHPP	1,019 a	257 a	1,135 b	2,500 b	29,049 c		55,124	
		4,550 b	2,083 b	2,411 c	17,355 c				
		1 c	334 c						
	PL	990 b		5,000 c				5,000	
	State	3,480 a	272 a	3,582 b	3,621 b	2,766 b		31,338	
		2,773 b	3,376 b	2,063 c	3,305 c	10,559 c			
		1,378 c	1,794 c						
	STP	400 a	649 a					649	
		990 b							
Total Funds:								102,111	

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

Source	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total	
TIP ID: 3554 Agency ID: PG4941 Title: MD 5 at I-95/I-495 Phase 2 Highway Reconstruction		Complete: 2020					Total Cost: \$48,154		
Facility: MD 5	NHPP	3,561 a	626 b	811 b	517 b	250 b		9,065	
From: I 95		1,562 b	6,861 c						
To: Branch Avenue Metro Station		22,869 c							
	State	1,795 a	291 b	291 b	121 b			2,443	
		48 b	1,740 c						
		6,832 c							
Total Funds:								11,508	

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

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

Source	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3566 Agency ID: AWCC Title: Commuter Connections Program		Complete:			Total Cost:			
Facility: State		2,788 e	3,046 e	2,962 e	3,065 e	3,333 e		15,194
From:								
To:		Total Funds: 15,194						

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

TIP ID: 4879 Agency ID: PG7001 Title: MD 210 at Kerby Hill Road/Livingston Road		Complete: 2020			Total Cost: \$115,389				
Facility: MD 210 at Kerby Hill Road/Livingston Road	HPP	4,808 a							
From:									
To:	NHPP	182 b	1,094 b	1,094 b	1,094 b	1,003 b	63,464		
		13,224 c	15,798 c	17,807 c	23,593 c	1,981 c			
	State	1,203 a	1,174 b	526 b	274 b	251 b	23,121		
		5,386 b	5,603 c	6,296 c	8,287 c	710 c			
		4,005 c							
		Total Funds: 86,585							

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

TIP ID: 4881 Agency ID: CH2031 Title: US 301 Waldorf Area Project		Complete: 2040			Total Cost: \$175,600				
Facility: US 301	NHPP	8,269 a	1,000 a	1,000 a					2,000
From: MD 227									
To: MD 5 at T.B.	State	2,646 a				1,721 a	1,721		
		Total Funds: 3,721							

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

TIP ID: 4882 Agency ID: PG1751 Title: MD 5 at MD 373 and Brandywine Road Interchange Construction		Complete: 2017			Total Cost: \$55,532				
Facility: MD 5 at MD 373 and Brandywine Road	HPP	5,267 a	2,820 c	3,928 c	4,121 c	2,989 c	13,858		
From:									
To:	NHPP	3 c	2,820 c	3,929 c	4,122 c	2,990 c	13,861		
	State	2,752 a	999 b	736 b	4,483 c	3,252 c	16,810		
		1,025 b	3,067 c	4,273 c					
		37 c							
	TCSP	1,633 b	192 b	95 b					287
		Total Funds: 44,816							

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

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

FY 2017 - 202

Source	Previous Funding	FY 2017	FY 2018	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: 2017 Total Cost: \$60,792							
Facility: US 15 at Monocacy Boulevard	Local	2,800 a							
From:									
To:	NHPP	1,153 a	1,920 b	773 b	108 b			2,801	
		11,364 b							
	PL	209 a							
	State	855 a	1,040 b	561 b	27 b			26,919	
		3,519 b	13,410 c	11,881 c					
		11,172 c							
Total Funds:								29,720	

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 Montgomery Hills Study		Complete: 2030 Total Cost: \$63,000							
Facility: MD 97	Local	2,613 a	387 a					387	
From: MD 390									
To: MD 192									
Total Funds:								387	

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

TIP ID: 5759 Agency ID: PG7801 Title: Joint Base Andrews BRAC Improvements		Complete: 2016 Total Cost: \$7,400							
Facility:	PL	2,970 a	3,494 a					3,494	
From:									
To:	State	26 a							
	STP	907 a							
Total Funds:								3,494	

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

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

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

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

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

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

TIP ID: 5998 Agency ID: MO5932 Title: MD 355 at Cedar Lane and Jones Bridge Road Phases 1-2 BRAC Int		Complete: 2016					Total Cost: \$15,900		
Facility: MD 355 at Cedar Lane and Jones Bridge Road	NHPP	6,764	c						
From:									
To: OEA		837	b	126	b	1,000	b	84	
		3,549	c	1,256	c			2,466	
State		116	b	405	c			405	
		2,055	c						
Total Funds:								2,871	

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

TIP ID: 6000 Agency ID: MO2441 Title: MD 586 Bus Rapid Transit Study		Complete: 2040					Total Cost: \$87,600		
Facility: MD 586	Local	3,611	a	2,389	a			2,389	
From: MD 97									
To: MD 355								Total Funds: 2,389	

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

TIP ID: 6032 Agency ID: PG6641 Title: MD 4 MD 223 Bridges Replacement		Complete: 2015					Total Cost: \$22,400		
Facility: MD 4 at MD 223	NHPP	896	a	3,623	c			3,623	
From:		16,574	c						
To: State		224	a	31	c			31	
		1,234	c						
Total Funds:								3,654	

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

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

FY 2017 - 202

Source	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
PIP ID: 6033 Agency ID: MO5821 Title: MD 193 I-495 Bridge Rehabilitation		Complete: 2017 Total Cost: \$11,462						
Facility: MD 193 at I-495	BR	569 a						
From:								
To:	NHPP	9,525 c	302 c					302
	State	194 a	77 c					77
		795 c						
Total Funds:								379

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

PIP ID: 6071 Agency ID: MO5938 Title: MD 185 at Jones Bridge Road and Kensington Parkway Phase 3 BR		Complete: 2020 Total Cost: \$18,400						
Facility: MD 185 at Jones Bridge Road and Kensington	OEA	3,550 b	2,423 b	1,367 b	938 c	2,734 c	1,768 c	9,230
From:								
To:								
Total Funds:								9,230

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

PIP ID: 6072 Agency ID: MO5933 Title: MD 187 at West Cedar Lane/Oakmont Avenue BRAC Intersection Im		Complete: 2016 Total Cost: \$4,421						
Facility: MD 187 at West Cedar Lane/Oakmont Avenue	OEA	631 b	7 b	6 b				13
From:		3,461 c						
To:	State	160 b	80 b	66 b				146
		10 c						
Total Funds:								159

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

PIP ID: 6077 Agency ID: MO5936 Title: MD 320 at Sligo Creek Parkway BRAC Improvements Mitigation		Complete: 2017 Total Cost: \$2,103						
Facility: MD 320 at Sligo Creek Parkway	OEA	81 c	1,419 c					1,419
From:								
To:	State	46 a	19 c					19
		9 c						
	STP	529 c						
Total Funds:								1,438

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

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

FY 2017 - 202

Source	Previous Funding	FY 2017	FY 2018	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: \$4,299	

Facility: MD 355	OEA	444	c	1,409	c	1,571	c	875	c	4,299
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From: Woodmont Avenue/Glenbrook Parkway
To: South Wood Road/South Drive

Total Funds: 4,299

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

TIP ID: 6150 Agency ID: PG5461 Title: MD 500 Community Safety and Enhancement Improvements		Complete: 2016					Total Cost: \$10,489	
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Facility: MD 500	State	96	a	4,198	c					4,198
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From: MD 208
To: MD 410

252 b
4,010 c

STP	1,933	a								
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Total Funds: 4,198

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

TIP ID: 6180 Agency ID: PG1291 Title: I-595/US 50 Resurfacing (Eastbound)		Complete: 2017					Total Cost: \$10,421	
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Facility: I 595	NHPP	143	a	840	c					840
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From: Lottsford Vista Road
To: Anne Arundel County Line

7,838 c

State	35	a	147	c						
	1,418									

Total Funds: 987

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

TIP ID: 6181 Agency ID: PG9795 Title: MD 5 Resurfacing		Complete: 2016					Total Cost: \$8,169	
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Facility: MD 5	NHPP	6,574	c	1	c					1
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From: I 95
To: MD 223

36 a
1,365 c

STP	191	a								
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Total Funds: 3

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

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

FY 2017 - 202

Source	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total	
TIP ID: 6182 Agency ID: PG5431 Title: US 1 Drainage Improvements		Complete: 2017 Total Cost: \$12,200							
Facility: US 1	NHPP	905 a							
From: MD 212		1,176 b							
To: South of Ammendale Road									
State		368 a	2,432 c					2,432	
		408 b							
		5,116 c							
STP		441 b							
Total Funds:								2,432	

Description: Drainage improvements along US1 from MD 212 to south of Ammendale Road. This project includes the replacement of a culvert under US 1 at Ammendale Road.

TIP ID: 6183 Agency ID: PG7581 Title: MD 4 Community Safety and Enhancement Improvements		Complete: 2017 Total Cost: \$26,464							
Facility: MD 4	NHPP	1,748 a							
From: Forestville Road									
To: MD 458	State	83 a	15,828 c					15,828	
		309 b							
		8,496 c							
Total Funds:								15,828	

Description: Construction of raised curb along the outside edge of MD 4, sidewalk along southbound MD 4, a 10-foot shared-use path along northbound MD 4, on-road bicycle accommodations, and other traffic calming measures between Forestville Road and MD 458.

TIP ID: 6384 Agency ID: MO5931 Title: Naval Support Activity Bethesda BRAC Improvements		Complete: 2020 Total Cost: \$23,000							
Facility:	OEA	1,941 c	1,732 c	1,023 c				2,755	
From:									
To:	PL	2,753 a							
	State	8,715 a			1,204 c			1,204	
	STP	800 a			4,816 a			4,816	
Total Funds:								8,775	

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

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

FY 2017 - 202

Source	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6389 Agency ID: MO4253 Title: US 29 at Stewart Lane, Tech Road, Greencastle Road, and Blackbur Complete: 2040 Total Cost: \$390,900								
Facility: US 29 at Stewart Lane, Tech Road, Greencastl	NHPP	2,262 a						
From:								
To:	PL			420 a				420
	State	4,460 a						
		545 b						
Total Funds:								420

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



TIP ID: 6392 Agency ID: PG7802 Title: MD 337 at MD 218 and I-95/I-495 NB Off-Ramp BRAC Intersection Im Complete: 2016 Total Cost: \$5,850								
Facility: MD 337	NHPP	80 b	27 b					27
From: MD 218								
To: I 95 NB Off-Ramp	State	35 b	26 b	6 b				356
		687 c	324 c					
	STP	16 b	64 b	21 b				1,749
		2,900 c	1,664 c					
Total Funds:								2,132

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



TIP ID: 6395 Agency ID: PG5971 Title: MD 5 at Linda Lane Intersection Improvements Complete: 2025 Total Cost: \$16,300								
Facility: MD 5 at Linda Lane	NHPP	608 a	1,000 a	750 a	742 a			2,492
From:								
To:								
Total Funds:								2,492

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



TIP ID: 6398 Agency ID: PG0641 Title: US 50 Feasibility Study Complete: 2016 Total Cost: \$500								
Facility: I 595 /US 50	State	448 d	52 d					52
From: Maryland/District of Columbia line								
To: MD 704								
Total Funds:								52

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

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

FY 2017 - 202

Source	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6399 Agency ID: PG7621 Title: Bladensburg War of 1812 Archaeological/Historical Study		Complete: 2017 Total Cost:					\$66	
Facility: US at Bladensburg	NPS	70 a	62 a					62
From:								
To:								
Total Funds:								62
Description: An archaeological study of sites related to the Battle of Bladensburg during the War of 1812.								

TIP ID: 6411 Agency ID: FR5801 Title: I-70/US 40 at MD 144FA, Meadow Road, and Old National Pike Interc		Complete: 2022 Total Cost:					\$32,800	
Facility: I 70 at MD 144FA	Local	300 b	300 b	8,250 c	8,250 c			23,600
From:			6,500 c					
To:								
	PRIV	3,000 a	2,000 a	900 a				2,900
	State	252 a						
Total Funds:								26,500

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

TIP ID: 6430 Agency ID: MO1881 Title: I-495 Inner Loop Resurfacing		Complete: 2018 Total Cost:					\$10,097	
Facility: I 495	State	344 a	7,606 c	2,142 c				9,748
From: I 270Y		5 c						
To: Seminary Road								
Total Funds:								9,748

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

TIP ID: 6431 Agency ID: FR1881 Title: US 15/US 40 Frederick Freeway Highway Reconstruction		Complete: 2030 Total Cost:						
Facility: US 15/US 40	State	526 a	1,000 a	1,674 a	1,250 a	550 a		4,474
From: I 70								
To: MD 26								
Total Funds:								4,474

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

TIP ID: 6432 Agency ID: MO8382 Title: I-495, Capital Beltway, American Legion Bridge Planning Study		Complete: 2030 Total Cost:						
Facility: I 495	State	1,430 a	1,250 a	1,250 a	1,250 a	820 a		4,570
From: Northern terminus of I-495 HOT lane facilities								
To: I 270								
Total Funds:								4,570

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

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

FY 2017 - 202

Source	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6433 Agency ID: PG8231 Title: I-95 Resurfacing		Complete: 2017 Total Cost: \$13,004						
Facility: I95	NHPP	3,893 c	7,720 c					7,720
From: I495								
To: North of Old Gunpowder Road	State	403 a	683 c					683
		305 c						
Total Funds:								8,403

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

TIP ID: 6437 Agency ID: PG6981 Title: I-95/I-495 Suitland Road Bridges Replacement		Complete: 2020 Total Cost: \$35,621						
Facility: I95/I495 at Suitland Road	NHPP	1,330 a						
From:								
To:	State	390 a	10,635 c	12,899 c	10,240 c	102 c		33,876
		25 c						
Total Funds:								33,876

Description: Replacement of I-95/I-495 Suitland Road Bridges 1616205 and 1616206. The existing bridges are structurally deficient and functionally obsolete.



TIP ID: 6438 Agency ID: PG6982 Title: I-95/I-495 Suitland Parkway Bridges Replacement		Complete: 2019 Total Cost: \$31,176						
Facility: I95/I495 at Suitland Parkway	State	90 a	1,086 a	15,300 c	14,700 c			31,086
From:								
To:								
Total Funds:								31,086

Description: Replacement of I-95/I-495 Suitland Parkway Bridges 1616005 and 1616006. The existing bridges are structurally deficient and functionally obsolete.



TIP ID: 6439 Agency ID: FR5361 Title: MD 140 Flat Run Bridge Replacement		Complete: 2018 Total Cost: \$5,784						
Facility: MD 140 at Flat Run	State	279 a	80 b	79 b	42 c			845
From:		112 b	298 c	346 c				
To:		5 c						
	STP	937 a	1,569 c	1,817 c	220 c			3,606
Total Funds:								4,451

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



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

Source	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6444 Agency ID: MO0691 Title: I-270 Innovative Congestion Management		Complete: 2021					Total Cost: \$100,000	
Facility: I270	State	1,500 a	1,500 a	18,462 c	26,513 c	26,546 c	19,530 c	98,500
From: I495			5,949 c					
To: I70								
Total Funds:								98,500

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

TIP ID: 6481 Agency ID: FR1301 Title: US 15 Catoctin Mountain Highway Bridge Replacement		Complete: 2017					Total Cost: \$6,411	
Facility: US 15 at MD 26	BR	454 a						
From:								
To:	State	174 a	4,135 c	1,023 c				5,158
		625 c						
Total Funds:								5,158

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

TIP ID: 6482 Agency ID: FR6471 Title: MD 75 Green Valley Road Bridge Replacement		Complete: 2017					Total Cost: \$2,848	
Facility: MD 75 at Haines Branch	BR	391 a						
From:								
To:	State	118 a	114 c					114
		93 b						
		2,132 c						
Total Funds:								114

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



TIP ID: 6483 Agency ID: FRNEW3 Title: MD 85 Buckeystown Pike		Complete: 2021					Total Cost: \$106,951	
Facility: MD 85 Buckeystown Pike	HPP	1,826 a	351 a					351
From: Crestwood Boulevard /Shockley Drive								
To: Spectrum Drive	Local	1,478 a						
	State	2,318 a	99 a	2,900 b	1,684 b	1,332 b	31,573 c	97,409
		3,569 b	3,334 b	11,877 c	21,127 c	23,483 c		
Total Funds:								97,760

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.

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

FY 2017 - 202

Source	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6486 Agency ID: FR5591 Title: MD 355 Urbana Pike Bridge Replacement		Complete: 2021 Total Cost:						\$9,187
Facility: MD 355 over CSXT Railroad	BR	1,223 a	536 a					536
From:								
To:	State	401 a	192 a	152 b	152 b	152 b	114 b	7,322
		13 b	152 b	2,413 c	2,413 c	843 c		
			739 c					
Total Funds:								7,858

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



TIP ID: 6487 Agency ID: PG0461 Title: MD 381 Brandywine Road Bridge Replacement		Complete: 2018 Total Cost:						\$3,176
Facility: MD 381 at Timothy Branch	State	598 a	495 a	83 a				2,578
From:			500 c	1,500 c				
To:								
Total Funds:								2,578

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



TIP ID: 6488 Agency ID: FR3501 Title: US 40 AL Urban Reconstruction		Complete: 2019 Total Cost:						\$17,799
Facility: US 40 Main Street AL	NHPP		2,162 c	4,533 c	2,211 c			8,906
From: Ivy Hill Road								
To: Middletown Parkway	State	1,134 a	64 b	64 b	112 b			5,466
		89 b	807 c	2,939 c	1,480 c			
		3 c						
	STP	2,201 a						
Total Funds:								14,372

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



TIP ID: 6489 Agency ID: FR6781 Title: MD 180, Jefferson Pike - Urban Reconstruction		Complete: 2019 Total Cost:						\$28,295
Facility: MD 180 Jefferson Pike	State	350 a	1,120 a	825 a	3,456 c	9,671 c	12,873 c	27,945
From: N. of I-70								
To: Structure No. 10140								
Total Funds:								27,945

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



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

FY 2017 - 202

Source	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6507 Agency ID: MO1741 Title: Complete Streets Near Metro Station S. Stonestreet Ave		Complete:				Total Cost:		
Facility: Local	39 c	39 c						39
From: To: TCSP	156 c	184 c						184
Total Funds:								223

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

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

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

TIP ID: 6514 Agency ID: PG9792 Title: I-595/US 50 Resurfacing (Westbound)		Complete: 2019				Total Cost: \$11,554		
Facility: I 595	State	17 a	7,515 c	2,737 c				10,252
From: Lottsford Vista Road		841 c						
To: Anne Arundel County Line	STP	298 a	65 a	65 a	16 a			146
Total Funds:								10,398

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

TIP ID: 6517 Agency ID: CH2061 Title: MD 234 Gilbert Swamp Run Bridge Replacement		Complete: 2018				Total Cost: \$5,044		
Facility: MD 234 at Gilbert Swamp Run	BR	475 a	347 a					347
From: To: State		139 a	87 a	3,100 c				4,087
			900 c					
Total Funds:								4,434

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



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

FY 2017 - 202

Source	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
PIP ID: 6518 Agency ID: FR1321 Title: MD 355 Urbana Pike Bridge Replacement		Complete: 2018 Total Cost:						\$8,789
Facility: MD 355 at Bennett Creek	BR	606 a						
From:								
To:	State/Local	183 a	2,080 c	5,920 c				8,000
								Total Funds: 8,000

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

PIP ID: 6521 Agency ID: PG1272 Title: I-95/I-495 at MD 214 Bridges Replacement		Complete: 2020 Total Cost:						\$36,863
Facility: I 95 I-95/I-495 at MD 214	NHPP		274 c	274 c	9,334 c			9,882
From:								
To:	State	168 a	694 a	314 a	2,334 c	2,333 c		5,817
			71 c	71 c				
								Total Funds: 15,699

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

PIP ID: 6522 Agency ID: PG1272 Title: I-95/I-495 at MD 214 Bridges Replacement		Complete: 2020 Total Cost:						\$36,863
Facility: I 95 I-95/I-495 at MD 214	NHPP		274 c	274 c	9,334 c	9,333 c	9,330 c	28,545
From:								
To:	State	168 a	694 a	314 a	2,334 c	2,333 c	2,333 c	8,150
			71 c	71 c				
								Total Funds: 36,695

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

PIP ID: 6529 Agency ID: PG1061 Title: MD 212 A Urban Reconstruction		Complete: 2020 Total Cost:						\$13,000
Facility: MD	State	48 a	127 a	189 b	90 b	39 b	35 b	4,205
From: Pine Street		1,174 b	601 b	546 c	1,332 c	709 c	226 c	
To: US 1			311 c					
	STP	2,677 a	877 a	1,939 c	4,723 c	2,514 c	802 c	11,958
			1,103 c					
								Total Funds: 16,163

Description: Reconstruction of MD 212A fromPine Street to US 1

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

FY 2017 - 202

Source	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total	
TIP ID: 6532 Agency ID:		Title: MD 355 Frederick Road Bridge Replacement over Little Bennett Cr					Complete: 2018	Total Cost:	\$5,215
Facility: MD 355 at Little Bennett Creek	BR	313 a							
From:									
To:	State	227 a	450 a	225 a				4,675	
			1,420 c	2,580 c					
Total Funds:								4,675	

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

TIP ID: 6538 Agency ID: MO2401		Title: MD 195, Carroll Avenue at Sligo Creek and Sligo Creek Parkway Bri					Complete: 2019	Total Cost:	\$12,254
Facility: MD 195 at Sligo Creek and Sligo Creek Parkw	BR	893 a	8 a					8	
From:									
To:	State	243 a	2 a	42 b	42 b	18 b		1,933	
		118 b	42 b	768 c	15 c				
		476 c	1,004 c						
	STP	1,882 c	3,831 c	2,870 c				6,701	
Total Funds:								8,642	

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

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

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
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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	8,652 e	51,912						
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From:									
To:	Total Funds: 51,912								

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

TIP ID: 2602	Agency ID: Part of 0218	Title: Rural Transit - Capital Assistance	Complete:			Total Cost:			
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Facility:	Sect. 5311	80/10/10	267 e	70 e	420					
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From:									
To:	Total Funds: 420								

Description: Capital assistance for rural transit service in Frederick County

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	2,820 e	2,500 e	15,320					
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From:									
To:	Total Funds: 15,320								

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	17,330 c	103,980						
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From: Bethesda										
To: New Carrollton	Sect. 5307	80/20/0	13,750 c	12,500 c	12,500 c	6,250 c	6,250 c	6,250 c	6,250 c	57,500

	Sect. 5309-NS	80/20/0	3,000 a	395,000 c	145,000 c	1,120,000				
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	State	0/100/0	8,750 c	73,287 c	26,903 c	207,802				
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	TIFIA	100/0/0		890,000 c						890,000
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Total Funds: 2,379,282

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.



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

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total	
TIP ID: 2853	Agency ID: Part of 0218	Title: Rural Transit - Operating Assistance					Complete:		Total Cost:		
Facility:	Sect. 5311	50/25/25		1,374 e	1,374 e	1,374 e	1,374 e	1,374 e	1,374 e	8,244	
From:											
To:											
Total Funds:										8,244	
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	1,049 e	3,272 e	3,272 e	3,272 e	3,272 e	3,272 e	3,272 e	19,632	
From:											
To:	Sect. 5339	80/10/10									
Total Funds:										19,632	
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	495 e	873 e	873 e	873 e	873 e	873 e	873 e	5,238	
From:											
To:											
Total Funds:										5,238	
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		11,110 e	5,555 e	5,555 e	5,555 e	5,555 e	5,555 e	38,885	
From:											
To:											
Total Funds:										38,885	
Description: Large Urban Operating Preventative Maintenance for Montgomery County.											

TIP ID: 6400	Agency ID:	Title: MARC Improvements					Complete:		Total Cost:		
Facility:	Sect. 5307	80/20/0			204 e	603 e	2,966 e	7,653 e	5,000 e	16,426	
From:											
To:	Sect. 5337-SGR	80/20/0		24,093 e	680 e	12,295 e	12,900 e	750 e	8,100 e	58,818	
Total Funds:										75,244	
Description: This is an 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.											

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

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6401	Agency ID:	Title: MARC Rolling Stock Overhauls and Replacements				Complete:		Total Cost:		
Facility:	Sect. 5307	80/20/0		0 e	0 e	0 e	4,024 e	188 e	0 e	4,212
From:										
To:	Sect. 5337-SGR	80/20/0		28,682 e	23,373 e	2,484 e	3,505 e	0 e	3,900 e	61,944
Total Funds:										66,156

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		148 e	0 e	148 e	0 e	148 e	0 e	444
From:										
To:	Sect. 5310.	80/20/0		501 e	0 e	501 e	0 e	501 e	0 e	1,503
Total Funds:										1,947

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.

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

FY 2017 - 2022

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

TIP ID: 3173	Agency ID: F3	Title: Study, Design, ROW, Construction, Inspection & Training	Complete: 2020	Total Cost: \$9,090
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Facility: Various Bridges	BR	35/0/65				450 c			450
From:									
To:	BR 1	37/0/63							
	BR 2	94/0/6	2,447 c						2,447
	Local	0/0/100		348 c		1,854 c			2,202
	NHCBP	80/0/20	2,478 c						

Total Funds: 5,099

Description: Rehabilitate, construct (replace) & inspect bridges or culverts at the following locations: Blacks Mill Rd; Lewistown Rd; Ball Road; Gas House Pike; Pete Wiles Rd.; Bretheren Church Rd; Hessong Bridge Rd; Reels Mill Rd; Dixon Rd; Hoovers Mill Rd; Hornets Nest Rd; deck replacements on Old Frederick Rd & Thurston Rds.; and covered bridge preservation projects Work may include bridge inspection training.

TIP ID: 5494	Agency ID:	Title: Study, Design, ROW, & Construction	Complete: 2020	Total Cost: \$26,688
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Facility: Various Roads	Local	0/0/100	1,608 c	5,716 c	2,508 c	12,795 c			22,627
From: Various Roads									
To:									

Total Funds: 22,627

Description: Upgrade and improvements to Boyers Mill Road; Gas House Pike; Ijamsville Road; Old National Pike; Opossumtown Pike; Reels Mill Road; Reichs Ford Road; Yeagertown Rd; English Muffin Way & Shockley Drive/Spectrum Drive. Portions of Boyers Mill Road, and all of Ijamsville Road, & Old National Pike, will include bicycle accommodations.

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

Total Funds: 1,427

Description: Various Trails including the Ballenger Creek Corridor

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

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

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	3,695 a	127 a	126 a	2,579 a	2,290 a		57,900
From: South of Girard Street				5,016 b	619 b	6,429 b	28,158 c		
To: 1000 feet north of Warfield Road						8,520 e	4,036 e		

Total Funds: 57,900

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

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	900 a	300 a					3,300
From: MD Woodfield Road			105 b	3,000 c					
To: Centerway Road									

Total Funds: 3,300

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

TIP ID: 3063	Agency ID: P507658	Title: Bus Stop Improvement Program	Complete:	Total Cost:	\$6,387
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Facility: Bus Stop Improvement Program	Local	0/0/100	352 a	151 a	155 a				1,324
From:			345 b	345 b	357 b				
To:			556 c	155 c	161 c				

Total Funds: 1,324

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

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

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3065 Agency ID: P509399 Title: Advanced Transportation Management System			Complete:			Total Cost:		\$59,233	
Facility: Advanced Transportation Management Syst	Local	0/0/100	354 a	177 a	177 a	177 a	177 a		8,032
From:			3,662 e	1,831 e	1,831 e	1,831 e	1,831 e		
To:									
Total Funds:									8,032

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

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3066 Agency ID: P507596 Title: Annual Bikeway Program			Complete:			Total Cost:		\$4,897	
Facility: Annual Bikeway Program	Local	0/0/100	140 a	169 a	11 a	11 a	11 a		2,120
From:			10 b	11 b	169 b	169 b	169 b		
To:			350 c	350 c	350 c	350 c	350 c		
State	0/100/0								
State/Local	0/50/50		140 a						
			10 b						
			350 c						
Total Funds:									2,120

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

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	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	942 a	520 a	520 a	520 a	520 a		9,656
From:			12 b	6 b	6 b	6 b	6 b		
To:			3,698 c	1,874 c	1,874 c	1,874 c	1,874 c		
			28 e	14 e	14 e	14 e	14 e		
Total Funds:									9,656

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

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

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
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	1,242 c	283 a	283 a	283 a	283 a		6,100
From:			28 e	1,214 c	1,214 c	1,214 c	1,214 c		
To:				28 e	28 e	28 e	28 e		

Total Funds: 6,100

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

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	20,255 e	6,873 e	15,247 e	19,591 e	15,260 e		56,971
From: Countywide	Sect. 5307	100/0/0	3,200 e	1,600 e	1,600 e	1,600 e	1,600 e		6,400
To:	Sect. 5308	100/0/0	3,066 e						
	State	0/100/0	800 e	400 e	400 e	400 e	400 e		1,600

Total Funds: 64,971

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

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

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

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3125 Agency ID: P509975 Title: Silver Spring Green Trail							Complete:		Total Cost:	\$4,279
Facility: Silver Spring Green Trail	Local	0/0/100			1,259 c					1,259
From: Fenton Street										
To: Sligo Creek Hiker-Biker Trail	State/Local	0/40/60		1,221 c						1,221
Total Funds:										2,480

Description: This project provides for an urban trail along the selected Purple Line alignment along Wayne Avenue in Silver Spring. A Memorandum of Understanding will be established between the County and the Maryland Transit Administration (MTA) to incorporate the design and construction of the trail as a part of the design and construction of the Purple Line. The pedestrian and bicycle use along this trail supplements the County transportation program. The funding provided for the trail includes the design, property acquisition, and construction of the trail through the Silver Spring CBD, along the northern side of Wayne Avenue from Fenton Street to the Sligo Creek Hiker-Biker Trail. This trail is part of a transportation corridor and is not a recreation area of State or local significance. The trail will include an 8-10 foot wide bituminous shared use path, lighting, and landscaping. The trail will provide access to the Silver Spring Transit Station, via the Metropolitan Branch Trail, and the future Capital Crescent Trail. A pedestrian impact analysis has been completed for this project. Will be design and built at part of Purple Line project. Final cost and cash flows will be determined based on final design and MOU agreement between MTA and County.

TIP ID: 3429 Agency ID: P500905 Title: Falls Road East Side Hiker/Biker Path							Complete:		Total Cost:	\$24,830
Facility: Falls Road Bikeway	Local	0/0/100		119 a	489 a	1,165 e				3,395
From: River Road					1,622 b					
To: Dunster Road										
Total Funds:										3,395

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

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

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				2,412
From: MD Spencerville Road					1,077 b	785 b				
To: School Access Road in Burtonsville										
Total Funds:										2,412

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

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

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 3642 Agency ID: P500333 Title: Pedestrian Safety Program			Complete:			Total Cost:			\$19,512
Facility: Pedestrian Safety Program	Local	0/0/100	200 a	146 a	146 a	100 a	100 a		6,622
From: Countywide			2,715 c	1,250 c	1,380 c	1,250 c	1,250 c		
To:			500 e	250 e	250 e	250 e	250 e		

Total Funds: 6,622

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

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		100 a	100 a	100 a	100 a		4,952
From:				1,138 e	1,138 e	1,138 e	1,138 e		
To:									

Total Funds: 4,952

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

TIP ID: 3703 Agency ID: P500717 Title: Montrose Parkway East			Complete:			Total Cost:			\$119,890
Facility: Montrose Parkway East	Local	0/0/100	320 a	880 b	134 b	2,436 a	4,000 a		42,441
From: Eastern Limit of MD 355/Montrose Interchan			5,324 b		866 e	15,695 c	12,256 c		
To: Veirs Mill Road/Parkland Road Intersection						6,174 e			

Total Funds: 42,441

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

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

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 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	12,624 c	12,262 c	10,162 c	6,437 c		41,485
From: Elm Street west of Wisconsin Avenue									
To:									
Total Funds:									41,485

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

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

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

TIP ID: 5724 Agency ID: P501209 Title: MD 355 Multimodal Crossing Project			Complete:			Total Cost:		\$72,980	
Facility: MD MD 355 Multimodal Crossing	DOD	100/0/0	5,819 a						
From: MD Medical Center Metrorail Station/NIH			17,780 c						
To: MD Walter Reed National Military Medical C			7,184 e						
	OEA	100/0/0		1,352 a	305 a				6,139
				264 c	2,603 c				
				1,410 e	205 e				
	State	0/100/0		4,806 c					4,806
Total Funds:									10,945

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

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

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 5729 Agency ID: P500718 Title: MacArthur Boulevard Bikeway Improvements							Complete:		Total Cost:	\$17,300
Facility: MacArthur Boulevard	Local	0/0/100	1,672 a			506 a	754 a			1,460
From: I Capital Beltway			4,723 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	BR	80/0/20	500 a	200 a						200
From: Over Silver Creek										
To:										

Total Funds: 200

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

TIP ID: 5913 Agency ID: P509132 Title: Brink Road Bridge M-0064001							Complete: 2019		Total Cost:	
Facility: Brink Road Bridge M-0064001	BR	80/0/20	400 a	200 a						200
From: Over Great Seneca Creek										
To:										

Total Funds: 200

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

TIP ID: 5916 Agency ID: P509132 Title: Garrett Park Road Bridge M-PK-04001							Complete:		Total Cost:	
Facility: Garrett Park Road Bridge M-PK-04001	BR	80/0/20	500 a	200 a						200
From: Over Rock Creek										
To:										

Total Funds: 200

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

TIP ID: 5919 Agency ID: P501522 Title: Piney Meetinghouse Road Bridge M-0021001							Complete:		Total Cost:	\$4,025
Facility: Piney Meetinghouse Road Bridge M-002100	BR	70/0/30		258 a						1,996
From: Over Watts Branch				1,595 c						
To:				143 e						

Total Funds: 1,996

Description: This project provides for the preliminary engineering for the rehabilitation or reconstruction of the bridge on Piney Meetinghouse Road over Watts Branch, and reconstruction roadway approaches.

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

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 5942 Agency ID: P501110 Title: Metropolitan Branch Trail			Complete:			Total Cost:			\$12,147
Facility: Metropolitan Branch Trail	Local	0/0/100	880 a	100 a	361 a				6,087
From: End of existing trail in Takoma Park			2,000 b	500 c	4,795 c				
To: Silver Spring Transit Center					331 e				

Total Funds: 6,087

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

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

Total Funds: 7,301

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

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

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

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

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

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TRANSPORTATION IMPROVEMENT PROGRAM
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	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total	
TIP ID: 5971 Agency ID: P500313 Title: Bridge Preservation Program									Complete:	Total Cost:	\$9,807
Facility: Bridge Preservation Program	Local	0/0/100	284 a	152 a	152 a	152 a	152 a	152 a		2,056	
From: County-wide			4 b	2 b	2 b	2 b	2 b	2 b			
To: County-wide			720 c	360 c	360 c	360 c	360 c	360 c			

Total Funds: 2,056

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

TIP ID: 5972 Agency ID: P509753 Title: Bridge Renovation									Complete:	Total Cost:	\$8,211
Facility: County-wide	Local	0/0/100	180 a	90 a	90 a	90 a	90 a	90 a		360	
From:											
To:	State/Local	0/16/84	1,220 c	610 c		2,440					

Total Funds: 2,800

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

TIP ID: 5974 Agency ID: P508527 Title: Resurfacing: Primary / Arterial									Complete:	Total Cost:	\$59,518
Facility: County-wide	Local	0/0/100	2,400 a	915 a	915 a	915 a	915 a	915 a		24,400	
From:			13,600 c	5,185 c							
To: County-wide											

Total Funds: 24,400

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

TIP ID: 5975 Agency ID: P508182 Title: Sidewalk & Curb Replacement									Complete:	Total Cost:	\$56,059
Facility: Countywide	Local	0/0/100	2,115 a	1,005 a	1,005 a	1,005 a	1,005 a	1,005 a		26,800	
From:			11,985 c	5,695 c							
To:											

Total Funds: 26,800

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

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

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 5976 Agency ID: P500534 Title: Transit Park and Ride Lot Renovations			Complete:				Total Cost:		\$3,039

Facility: Transit Park and Ride Lot Renovations	Local	0/0/100	215 a	125 a	125 a				1,352
From:			765 c	718 c	384 c				
To:									
Total Funds:									1,352

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

TIP ID: 5980 Agency ID: P507017 Title: Intersection & Spot Improvements			Complete:				Total Cost:		\$10,117
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Facility: Intersection & Spot Improvements	Local	0/0/100	500 a	322 a	322 a	336 a	1,344 e		5,224
From: County-wide			20 b	10 b	10 b	10 b			
To: County-wide			1,380 c	700 c	772 c	798 c			
			400 e	200 e	200 e	200 e			
Total Funds:									5,224

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

TIP ID: 5981 Agency ID: P509523 Title: Neighborhood Traffic Calming			Complete:				Total Cost:		\$2,801
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Facility: Neighborhood Traffic Calming	Local	0/0/100	148 a	74 a	74 a	74 a	74 a		1,240
From: Residential Neighborhoods County-wide			472 e	236 e	236 e	236 e	236 e		
To:									
Total Funds:									1,240

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

TIP ID: 5982 Agency ID: P500512 Title: Streetlight Enhancements - CBD / Town Center			Complete:				Total Cost:		\$3,930
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Facility: Streetlight Enhancements - CBD / Town Cen	Local	0/0/100	100 a	50 a	50 a	50 a	50 a		1,000
From: CBDs and Town Centers			360 e	200 e	200 e	200 e	200 e		
To:									
Total Funds:									1,000

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

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

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 5985 Agency ID: P501204 Title: White Flint District East - Transportation							Complete:	Total Cost:		\$29,690
Facility: White Flint District East	Local	0/0/100	2,050 a	460 a	400 a					7,800
From:			3,000 c	3,300 c	3,300 c					
To:			100 e	340 e						

Total Funds: 7,800

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

PROJECT 1

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

PROJECT 2

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

PROJECT 3

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

PROJECT 4

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

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

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

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
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	3,400 a	2,057 a	2,313 a	2,944 a	2,570 a			59,515
From:		600 b	8,978 c	13,897 c	5,120 c	208 b			
To:			12,529 e	6,699 e	950 e	1,250 c			

Total Funds: 59,515

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

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

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

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	668 a	81 a	81 a	81 a	81 a		324
From: White Flint Sector Plan and Surrounding Area									
To:									

Total Funds: 324

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

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

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

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6015 Agency ID: P501316 Title: Capital Crescent Trail			Complete:			Total Cost:		\$95,856	
Facility: Capital Crescent Trail	Local	0/0/100	12,795 c	3,000 a	700 b	700 b			65,916
From: Elm Street Park in Bethesda				15,111 c	16,805 c	16,805 c			
To: Silver Spring									
Total Funds:									65,916

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

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6016 Agency ID: P501304 Title: Needwood Road Bikepath			Complete:			Total Cost:		\$4,200	
Facility: Needwood Road Bikepath	Local	0/0/100	62 a						632
From: Deer Lake Road			280 c						
To: Muncaster Mill Road			290 e						
	State/Local	0/25/75							
Total Funds:									632

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

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	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 Improvemen	Local	0/0/100		1,723 a	1,334 a	20 a			6,993
From: Montrose Road					346 b	3,570 b			
To: Bradley Boulevard									
Total Funds:									6,993

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

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

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 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	749 a	367 a	26 a	100 a			2,586
From: Crabbs Branch Way				50 b	179 b	1,115 c			
To: Southlawn Lane									
Total Funds:									2,586

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

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	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	363 a	289 a	473 a	318 e			6,792
From: Brookeville Road Seminary Place Intersectio			170 b	377 b	2,691 c				
To: Linden Lane/Second Avenue Intersection				1,859 c	252 e				
Total Funds:									6,792

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

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6020 Agency ID: P501315 Title: Clarksburg Transportation Connections			Complete:				Total Cost:		\$10,000
Facility: Clarksburg Transportation Connections	Local	0/0/100	2,000 e	2,000 e	2,000 e	2,000 e			8,000
From: Snowden Farm Parkway/Little Seneca Park									
To: Ridge Road/									
Total Funds:									8,000

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

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

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

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

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6063 Agency ID: P501118 Title: Frederick Road Bike Path: Stringtown to Milestone Manor			Complete:				Total Cost:		\$7,193
Facility: Frederick Road Bike Path	Local	0/0/100	60 a	178 a					2,670
From: Stringtown Road			378 b	1,895 c					
To: Milestone Manor Lane				597 e					

Total Funds: 2,670

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

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	980 a	944 a	393 a	142 a			16,141
From: Sweet Autumn Drive			1,890 b	6,620 c	2,812 c	3,515 c			
To: Centerway Road						1,715 e			

Total Funds: 16,141

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

TIP ID: 6065 Agency ID: P507154 Title: Traffic Signals			Complete:				Total Cost:		\$40,889
Facility:	Local	0/0/100	1,560 a	725 a	725 a	725 a	725 a		19,340
From:			8,890 e	4,110 e	4,110 e	4,110 e	4,110 e		
To:									

Total Funds: 19,340

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

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

Total Funds: 836

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



DRAFT
10/7/2016

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

FY 2017 - 2022

			Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	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		150 a	150 a	150 a	1,000 e			4,000
From:						850 c	850 c	850 c				
To:												Total Funds: 4,000

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

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

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

TIP ID: 3114	Agency ID:	Title: Contee Road	Complete: 2017	Total Cost: \$25,467
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Facility: Contee Road	Local	0/0/100	450 a	28 a					1,052
From: US 1			3,650 b	1,024 c					
To: MD 201 Extended/Virginia Manor Road/Cont									

Total Funds: 1,052

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

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

Total Funds: 8,608

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

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

Total Funds: 2,700

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

TIP ID: 3166	Agency ID:	Title: Wheeler Road	Complete: 2018	Total Cost: \$4,170
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Facility: Wheeler Road	Local	0/0/100	3,102 c	40 a	19 a				868
From: Owens Road				238 b	571 b				
To: St. Barnabas Road									

Total Funds: 868

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

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

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 5258 Agency ID: Title: Old Gunpowder Road II			Complete: 2018 Total Cost: \$17,764						
Facility: Old Gunpowder Road	Local	0/0/100	150 a	100 a					11,450
From: Powder Mill Road			1,400 b	5,000 c					
To: Greencastle Road			4,800 c						

Total Funds: 11,450

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

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

Total Funds: 2,050

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

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

Total Funds: 1,052

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

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

Total Funds: 1,052

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

TIP ID: 5608 Agency ID: Title: Auth Road II			Complete: 2021 Total Cost: \$16,100						
Facility: Auth Road	Local	0/0/100	300 a	100 a	200 a	200 a			500
From: Allentown Road									
To: Metro Access Road (Woods Way)									

Total Funds: 500

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

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

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

Description: This Project provides funding for 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: 2017		Total Cost:		\$6,758
Facility: Bridge Replacement - Livingston Road	BR	80/0/20		1,200 c						1,200	
From:											
To: Over Piscataway Creek											
Total Funds:										1,200	

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

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

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

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

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

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

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
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	200 a	100 a	100 a	100 a			3,100
From:			800 c	600 c	600 c	600 c			
To: Various locations County-wide									
Total Funds:									3,100

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

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

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

TIP ID: 6026 Agency ID:			Title: School Access Project			Complete:		Total Cost:	\$1,900
Facility: Various locations County-wide	Local	0/0/100	100 c	100 c	100 c	100 c			400
From:									
To:	SRTS	70/0/30							
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	389 a	300 a	64 a	1,000 c	5,000 c		7,364
From: Walker Mill Road				500 b	500 b				
To: MD 214 (Central Avenue)									
Total Funds:									7,364

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

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

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6369 Agency ID:			Title: Cherry Hill Road III				Complete: 2021		Total Cost: \$1,200	
Facility: Cherry Hill Road	Local	0/0/100		300 a	400 a	500 a				1,200
From: Selman Road										
To: US 1										
Description:										
Total Funds: 1,200										

TIP ID: 6370 Agency ID:			Title: Pedestrian Safety Improvements				Complete: 2020		Total Cost: \$26,250	
Facility: Various locations County-wide	Local	0/0/100		800 a	800 a	800 a	400 a			23,000
From:				6,200 c	6,200 c	6,200 c	1,600 c			
To:										
Total Funds: 23,000										
Description: This project will involve the creation of multiple projects to provide for roadway improvements that are oriented toward the enhancement of pedestrian safety, particularly along roadways or at intersections which have a history of crashes. Priority will be given to the correction of problems where there is a high incidence of pedestrian related crashes. This is a project intended for sub-projects with no right-of-way cost, and with a construction cost of \$750,000 each or less.										

TIP ID: 6371 Agency ID:			Title: Planning and site acquisition 2				Complete: 2020		Total Cost: \$4,500	
Facility: Various locations County-wide	Local	0/0/100		200 a	200 a	200 a	200 a			2,000
From:				300 b	300 b	300 b	300 b			
To:										
Total Funds: 2,000										
Description: This project provides funding for acquiring land for road rights-of-way, reforestation mitigation and wetland banking in developing areas of the County. The demolition of structures on acquired land is also included. It also provides funding for future project planning studies in order to verify need, determine scope and develop preliminary cost estimates.										

TIP ID: 6372 Agency ID:			Title: Street Lights and Traffic Signals 2				Complete: 2020		Total Cost: \$18,750	
Facility: Various locations County-wide	Local	0/0/100		150 a	150 a	150 a	150 a			10,000
From:				2,350 c	2,350 c	2,350 c	2,350 c			
To:										
	PRIV	0/0/0								
Total Funds: 10,000										
Description: This project consists of installing traffic control signals and new street lights at various locations throughout the county. The program includes installing new signals, upgrading of existing signals, replacement of aging signals, the Energy Abatement program, installation of traffic surveillance cameras and communications equipment, and the upgrade of existing street lighting on County roadways. This project also provides some funding for the TRIP (traffic Response and Information Partnership) Center.										

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

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6373 Agency ID:			Title: Traffic Congestion Improvements				Complete: 2020		Total Cost: \$17,842	
Facility: Various locations County-wide	Local	0/0/100		1,000 a	1,000 a	1,000 a	1,000 a			13,000
From:				1,500 c	2,500 c	2,500 c	2,500 c			
To:										
	PRIV	0/0/0								

Total Funds: 13,000

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

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

Total Funds: 3,760

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

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

Total Funds: 200

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

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

Total Funds: 4,060

Description:

NORTHERN VIRGINIA

FY 2017-2022 TIP Tables

Draft for Public Comment
October 13, 2016



National Capital Region
Transportation Planning Board

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

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total	
TIP ID: 4070 Agency ID: VRE0007 Title: VRE Storage Yards Improvements			Complete: 2030 Total Cost: \$44,801							
Facility: Sect. 5307	62/34/4		5,100 c	4,636 c					9,736	
From: Systemwide										
To: Sect. 5337-SGR	62/34/4		18,794 c						18,794	
Total Funds:									28,530	

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: 4272 Agency ID: DUL0002 Title: Dulles Corridor Metrorail Project - Phase 2			Complete: 2018 Total Cost: \$2,937,421							
Facility: Local	0/0/100	560,951 c	24,699 c	13,175 c					37,874	
From: Wiehle Avenue										
To: VA	State	0/100/0	100,000 c							
	TIFIA	0/0/100	1,875,697 c							
Total Funds:									37,874	

Description: Continue the extension of the Metrorail system for another 11.5 miles to Route 772 in Loudoun County with additional stations at Reston Parkway, Monroe Street (Herndon), VA 28, Dulles Airport and VA 606. Direct access will be provided to Dulles Airport terminal.

TIP ID: 4277 Agency ID: VRE0003 Title: Security Enhancements Systemwide			Complete: 2040 Total Cost: \$2,100							
Facility: Sect. 5307	80/16/4		105 c	105 c	105 c	105 c			420	
From: Systemwide										
To:										
Total Funds:									420	

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: Total Cost: \$4,612							
Facility: VRE Stations and Facilities	Sect. 5337-SGR	80/16/4	3,930 c	946 c	946 c	946 c			6,768	
From: Districtwide										
To:										
Total Funds:									6,768	

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 including Fredericksburg, Leeland Road, Brooke, Manassas, Manassas Park, Woodbridge, Rippon, Rolling Road, Broad Run, Burke and other stations to be determined.

TIP ID: 4489 Agency ID: VRE0008 Title: Grant and Project Management			Complete: Total Cost: \$2,450							
Facility: System Wide	Sect. 5307	80/20/0	1,246 a	650 a	650 a	650 a	650 a		2,600	
From: Northern Virginia										
To:										
Total Funds:									2,600	

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.

DRAFT
10/7/2016

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

FY 2017 - 2022

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 4506 Agency ID: PRTC0005 Title: PRTC - Bus Acquisition / Replacement Program								Complete:	Total Cost:	\$10,338
Facility: PRTC - Bus Acquisition	Sect. 5309	80/20/0	572 a							
From: NOVA Districtwide										
To:	Sect. 5339	80/16/4		10,338 c						10,338
Total Funds:										10,338

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:	Total Cost:	\$58,761
Facility: VRE Rolling Stock	Sect. 5307 2	80/16/4		2,726 c	2,726 c	2,726 c	2,726 c			10,904
From: Systemwide										
To:	Sect. 5337-SGR	80/16/4		3,878 c	3,878 c	3,878 c	3,878 c			15,512
Total Funds:										26,416

Description: VRE has purchased from Sumitomo 11 cab cars (base order), 50 cab and trailers (option order) and an additional 10 cars. This project includes funding for a new procurement of up to 42 railcars with of base order of eight cars and option orders of seven, five and nine cars.

TIP ID: 4802 Agency ID: VRE0002 Title: Fare Collection System/Comm. Improvements								Complete: 2030	Total Cost:	\$18,728
Facility:	Sect. 5307	80/16/4		1,200 c						1,200
From: Systemwide										
To:										Total Funds: 1,200

Description: Ongoing maintenance of the fare collection equipment and the next generation of fare equipment. Fare Collection III

TIP ID: 4818 Agency ID: VRE0001 Title: Rolling Stock Modifications and Overhauls								Complete:	Total Cost:	\$35,765
Facility:	Sect. 5337-SGR	80/16/4		4,900 c						4,900
From: Systemwide										
To:										Total Funds: 4,900

Description: Technological developments and safety mandates from the Federal Railroad Administration (FRA), may require ongoing improvements to the VRE fleet. 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:	Total Cost:	\$229,971
Facility: VRE Track	STP	50/34/16		17,024 c	17,490 c	18,190 c				52,704
From: NoVA and District of Columbia										
To:										Total Funds: 52,704

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.

NORTHERN VIRGINIA
TRANSPORTATION IMPROVEMENT PROGRAM
CAPITAL COSTS (in \$1,000)

Source		Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 5503 Agency ID: TIPGRP001		Title: Construction: Bridge Rehabilitation/Replacement/Reconstruction				Complete:		Total Cost:		\$322,673
Facility: District-wide Bridges		AC 4	85/15/0	9,714 c	29,818 c					39,532
From:										
To:		BR 1	90/10/0	1,752 c	837 c					2,589
		BR 3	100/0/0		200 a					200
Total Funds:										42,321

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.

DRAFT
10/7/2016

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

FY 2017 - 2022

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 5506 Agency ID: TIPGRP003 Title: TIP Grouping project for Construction: Safety/ITS/Operational Improve			Complete:		Total Cost:		\$832,121		
Facility: Safety/ITS/Operational Projects	AC	95/5/0	507 a	895 a					29,034
From: Districtwide			711 b	1,142 b					
To:			15,070 c	10,709 c					
AC 1	86/14/0		649 a	894 a					1,543
AC 2	83/17/0		1,008 b						1,008
AC 3	85/15/0		189 a						189
AC Conversion	80/20/0		700 a	560 a					1,260
AC Conversion 1	81/19/0		1,209 c	736 c					1,945
BR	80/20/0		769 b						769
CMAQ	75/25/0		107 a	107 a					214
CMAQ 1	81/19/0		11,263 c						11,263
CMAQ 2	74/26/0		108 a	108 a					216
EB/MG	80/20/0		387 b						387
EB/MG 1	81/19/0		840 c	679 c					1,519
EB/MG 2	84/16/0		109 c						109
HSIP	98/2/0		9,379 c	2,044 c					11,423
HSIP 1	52/48/0		96 a						96
HSIP 2	100/0/0		999 b						999
IM	94/6/0		3,581 c						3,581
NHPP	100/0/0		47 c						47
RSTP	80/20/0		2,601 b	7,005 c					11,754
			2,148 c						
RSTP 1	79/21/0		1,957 a	760 a					2,717
State	0/100/0			300 a					300

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

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
State/Local	0/50/50			300 a					1,550
				1,250 b					
STP	100/0/0		40 b						2,667
			2,627 c						
STP 1	83/17/0		31 a	542 a					573
STP 3	80/20/0		22,334 c	16,092 c					38,426
STP 6	84/16/0		967 b	2,700 b					3,667
STP 7	98/2/0		835 c						835
STP/E	80/20/0		41 b						41
Total Funds:									128,132

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

TIP ID: 5523 Agency ID: TIPGRP004 Title: TIP Grouping project for Construction: Transportation Enhancement By		Complete:	Total Cost:	\$112,321
Facility: Transportation Enhancement Byway Non-Tra	AC	80/20/0	496 c	496
From: NoVA District	AC Conversion	80/20/0	79 c	79
To:	BR	80/20/0	380 c	380
	CMAQ	80/20/0	559 c	559
	RSTP	80/20/0	1,000 a	335 a
			151 b	
			4,564 c	6,050
	State	0/100/0	100 a	50 b
	State/Local	100/0/0	100 a	100
	STP	80/20/0	1 c	1 c
Total Funds:				7,816

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.

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

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 5524 Agency ID: TIPGRP005 Title: TIP Grouping project for Preventive Maintenance and System Preservati				Complete:		Total Cost:				\$341,997

Facility: Preventive Maintenance and System Preserv STP 100/0/0 17,265 c 19,132 c 36,397
 From: NoVA District
 To: **Total Funds: 36,397**

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.

TIP ID: 5525 Agency ID: TIPGRP006 Title: TIP Grouping for Preventive Maintenance for Bridges				Complete:		Total Cost:				\$184,481
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Facility: Bridges STP/E 100/0/0 2,905 c 3,047 c 5,952
 From: NoVA District
 To: **Total Funds: 5,952**

Description: TIP Grouping for Preventive Maintenance for Bridges. See CLRP for the derivation of STIP Grouping and how they are part of TIP. See Appendix A for listing of individual STIP Grouped projects.

TIP ID: 5526 Agency ID: TIPGRP007 Title: TIP Grouping project for Maintenance: Traffic and Safety Operations				Complete:		Total Cost:				\$127,389
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Facility: Traffic and Safety Operations STP 1 100/0/0 4,047 c 4,278 c 8,325
 From: NoVA District
 To: **Total Funds: 8,325**

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: 2040		Total Cost:				
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Facility:	Sect. 5307	80/0/20	5,095 c	1,513 c	1,600 c	1,650 c	1,700 c	1,750 c		8,213
From:	Sect. 5337-SGR	80/0/20	1,917 c	1,157 c	1,300 c	1,450 c	1,600 c	1,650 c		7,157
To:	Sect. 5339	80/0/20		161 c	177 c	194 c	213 c	234 c		979
	STP	80/16/4		938 c						938
Total Funds: 17,287										

Description: Maintenance of the Omniride and Omnilink fleet.

TIP ID: 5707 Agency ID: PRTC0006 Title: PRTC Security Enhancements				Complete:		Total Cost:				\$846
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Facility: PRTC Transit Center Sect. 5307 80/16/4 15 c 16 c 17 c 17 c 18 c 83
 From:
 To: **Total Funds: 83**

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.

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

Source		Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total	
TIP ID: 5965 Agency ID: 104323		Title: Boundary Chanel Drive Modifications					Complete: 2020		Total Cost: \$9,335		
Facility:	AC	0/100/0		5,537 c						5,537	
From:											
To:	Local	0/0/100									
	REVSH	0/50/50		1,458 c						1,458	
										Total Funds: 6,995	

Description: This project involves modifications to the intersection of Boundary Channel Drive and Old Jefferson Davis Highway immediately off of the I-395/Boundary Channel Drive Interchange. The project is part of the County's Long Bridge Park redevelopment initiative which includes the construction of a large regional aquatic Center.

TIP ID: 6041 Agency ID: T11802		Title: Virginia Statewide Vehicle Fuel Conversion Program					Complete:		Total Cost:		
Facility:	AC	80/20/0									
From:											
To:	AC Conversion	80/20/0		1,227 c	600 c					1,827	
	CMAQ	80/20/0	1,130 c								
										Total Funds: 1,827	

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

TIP ID: 6080 Agency ID: 103907		Title: Jones Branch Drive Connector					Complete:		Total Cost:		\$56,000
Facility:	Scotts Crossing Rd	AC Conversion	80/20/0	7,594 c						7,594	
From:	Dolly Madison Blvd										
To:	Jones Branch Dr										
										Total Funds: 7,594	

Description: The proposed connector is intended to provide a connection between Route 123 and the I-495 Express Lane (HOV/HOT lanes) ramps. By building this connection, the project will connect Route 123 via the extended Scotts Crossing Rd, ultimately to Jones Branch Dr since the segment between I-495 Express lane (HOV/HOT lanes) ramps and Jones Branch Dr is currently being built as part of the I-495 Express lane (HOV/HOT lanes) project.

TIP ID: 6203 Agency ID: 102895		Title: Sycolin Road					Complete:		Total Cost:		\$13,500
Facility:	Sycolin Road	AC	100/0/0		3,481 c					3,481	
From:	Tolbert lane										
To:	Leesburg S Corporate Limits	REVSH	0/50/50	1,000 a	3,500 c					3,500	
		RSTP	80/20/0	2,019 c						2,019	
										Total Funds: 9,000	

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).

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

FY 2017 - 2022

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6247 Agency ID: 5559 Title: Rolling Road			Complete: 2019 Total Cost: \$35,199							
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 Pkw	CMAQ	80/20/0								
To: VA 644 Old Keene Mill Road	NVTA-BOND	0/100/0								
	REVSH	0/100/0			4,204 c					4,204
	RSTP	80/20/0			3,500 c					3,500
Total Funds:										9,284

Description: Widening to 4 lanes - PE Only

TIP ID: 6248 Agency ID: 102905 Title: Rolling Road Widening			Complete: Total Cost: \$25,500							
Facility: VA 638 Rolling Road	RSTP	80/20/0			3,500 a					3,500
From: VA 5297 Delong Dr.										
To: VA 4502 Fullerton Rd.										
Total Funds:										3,500

Description: Widen to 4 lanes - total of 1.12 miles
Between Delong Rd. and 0.01 mi N. of Fullerton Rd.

TIP ID: 6256 Agency ID: 104380 Title: Evergreen Mill Road Widening			Complete: Total Cost: \$11,300							
Facility: VA 621 Evergreen Mill Road	State/Local	0/98/2		351 a	649 a					1,000
From: US S. King Street										
To: City Corp. Limits										
Total Funds:										1,000

Description: Widening Evergreen Mill Road to 4 Lanes

TIP ID: 6265 Agency ID: 103222 [T1161 Title: I-95 HOV/HOT Lanes Debt Service			Complete: Total Cost: \$112,940							
Facility: I 95 Interstate 95	AC	100/0/0								
From: Garrisonville Rd.										
To: 1 mi. N. of Edsall Rd.	AC Conversion 1	100/0/0		7,808 c	7,458 c					15,266
Total Funds:										15,266

Description: Debt service

TIP ID: 6281 Agency ID: 106274 Title: Springfield CBD Commuter Parking Garage			Complete: Total Cost: \$58,236							
Facility: 644 Old Keene Mill Road	CMAQ	80/20/0			37,789 c					37,789
From:										
To:	Local	0/0/100			11,838 c					11,838
Total Funds:										49,626

Description: Springfield CBD Commuter Parking Garage

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

FY 2017 - 2022

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total	
TIP ID: 6296 Agency ID: 104303		Title: WIDEN ROUTE 1 TO SIX LANES - PE & RW ONLY					Complete:		Total Cost:		\$25,900
Facility: US 1	AC	80/20/0			891 a					891	
From: Feathersotne Rd.											
To: Mary's Way	RSTP	80/20/0			5,409 a					5,409	
Total Funds:										6,300	

Description: Reduce congestion and improve safety by increasing capacity and providing multimodal facilities for pedestrians and bicycles.

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	488 c					976	
From: Godwin Drive											
To: City Southern Corporate Limits	NVTA-BOND	0/100/0		3,294 c						3,294	
	REVSH	50/50/0		2,538 c						2,538	
	RSTP	80/20/0		2,908 c						2,908	
Total Funds:										9,716	

Description: Widen to six lanes

TIP ID: 6301 Agency ID: 99478		Title: Route 7 - Widen to Six Lanes					Complete:		Total Cost:		\$11,000
Facility: RT 7 Leesburg Pike	RSTP	80/20/0		1,200 b						1,200	
From: Reston Ave. (mm 51.5)											
To: Reston Parkway (mm 52)											
Total Funds:										1,200	

Description: Increase capacity and safety by widening Route 7 to six lanes and correcting existing profile deficiencies. Increase mobility by providing pedestrian and bicycle facilities.

TIP ID: 6316 Agency ID: 76256		Title: Colchester Road - RTE 612					Complete:		Total Cost:		\$445,000
Facility: VA 612 Colchster Road	AC	100/0/0			60 a					60	
From: VA 641 Chapel Road											
To: VA 641 0.24 Mile N. W. Of VA 641											
Total Funds:										60	

Description: Reconstruct & Pave Gravel Road

TIP ID: 6320 Agency ID: T10671		Title: VRE Rippon Platforms					Complete:		Total Cost:		\$10,890
Facility: US 1	AC	100/0/0		3,034 c						3,034	
From: Farm Creek Drive											
To: Rippon Blvd.	AC Conversion	80/20/0			1 c					1	
	CMAQ	80/20/0		5,755 c						5,755	
Total Funds:										8,790	

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

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

FY 2017 - 2022

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6328	Agency ID:	Title: Aminities				Complete:			Total Cost: \$9,364	

Facility: AC Conversion 90/10/0 958 c 524 c 1,482
 From: _____
 To: _____ **Total Funds: 1,482**
 Description:

TIP ID: 6330	Agency ID:	Title: Transit Ridesharing				Complete:			Total Cost: \$20,431	
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Facility: AC Conversion 85/15/0 4,850 a 4,917 a 9,767
 From: _____
 To: _____ **Total Funds: 9,767**
 Description:

TIP ID: 6331	Agency ID:	Title: Transit : Vehicles				Complete:			Total Cost: \$27,559	
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Facility: AC Conversion 85/15/0 1,317 c 8,414 c 9,731
 From: _____
 To: _____ **Total Funds: 9,731**
 Description:

TIP ID: 6332	Agency ID: 104374	Title: Wellington rd. Overpass Phase II				Complete:			Total Cost: \$60,000	
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Facility: Wellington Rd. AC 100/0/0 1,000 a 1,000
 From: Dean Drive
 To: Dean Park Dr. **Total Funds: 1,000**
 Description: Improve emergency response times, increase capacity and safety and facilitate pedestrian and bicycle access. 
 See also CLRP# 1951.

TIP ID: 6333	Agency ID:	Title: Transit : Access				Complete:			Total Cost: \$22,500	
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Facility: AC 85/15/0
 From: _____
 To: AC Conversion 80/20/0 5,249 c 5,249
Total Funds: 5,249
 Description:

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

FY 2017 - 2022

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6335 Agency ID: 76244 Title: VA 659 Reconstruct to 4 Lanes			Complete: 2015						Total Cost: \$61,031	
Facility: VA 659 Belmont Ridge Rd.	AC	100/0/0	1,600 a							
From: Va Hay Rd										
To: VA Gloucester Pkwy	Local	0/0/100	2,100 a							
	NVTA-BOND	0/100/0		13,805 c						13,805
	NVTA-BOND	100/0/0		13,805 c						13,805
	STP	80/20/0								
Total Funds:										13,805

Description: Reconstruct VA 659 (Belomnt Ridge Rd) to 4 lanes Urban Collector

TIP ID: 6336 Agency ID: 104802 Title: TELEGRAPH RD - RTE 611- WIDEN TO 4 LANES (PE Only)			Complete:						Total Cost: \$2,921	
Facility: Telegaph Rd.	State	0/100/0		928 a	1,992 a					2,920
From: Prince William Parkway										
To: Minnieville Rd.										
Total Funds:										2,920

Description: WIDEN TELEGRAPH RD TO 4 LANE DIVIDED SECTION WITH BIKE/PED FACILITIES. Associatated with CLRP project numbers 1931 and 1837.

TIP ID: 6347 Agency ID: 54911, 105239 , Title: I 66 Preliminary Engineering for EIS			Complete: 2017						Total Cost: \$55,656	
Facility: I 66	AC	100/0/0			1,000 a					1,000
From: I 495										
To: VA 15	AC Conversion	100/0/0			500 a					500
Total Funds:										1,500

Description: I-66 Study/Preliminary Engineering for EIS

TIP ID: 6361 Agency ID: 106025 Title: I-495 Northern Section Shoulder Use Debt Service			Complete:						Total Cost:	
Facility: I-495	AC	100/0/0	20,704 c							
From: South of Old Dominion Drive Overpass										
To: George Washington Memorial Highway	AC Conversion	100/0/0		1,428 c	1,428 c	1,428 c	1,428 c			5,712
	NHPP	100/0/0	714 c							
Total Funds:										5,712

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

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

Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6362 Agency ID: 102891 and F Title: Route 28 Metrorail Station (Innovation Station)			Complete: 2018		Total Cost: \$83,000				
Facility: 28 Innovation Station	CMAQ	80/20/0	2,085 c	7,166 c	1,773 c	45 c			11,069
From: Silver Line at Route 28	NVTA-BOND	0/100/0	48,000 c						
To:	NVTA-PAYGO	0/100/0	21,000 c						
Total Funds:									11,069

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: Phase II - Work related potomac shores station			Complete:		Total Cost:				
Facility: CSX RF&P Rail Corridor	State/Local	0/50/50	10,000 c	10,800 c	10,000 c				30,800
From: CF 557 Hamilton Interlocking (HA)									
To: CF 1063 Control Point Slaters Lane (CP)	Total Funds: 30,800								

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

TIP ID: 6404 Agency ID:			Title: VRE Stations and Facilities		Complete:		Total Cost:		
Facility:	AC Conversion	80/15/0	4,923 c						4,923
From:									
To:	Total Funds: 4,923								

Description: Additions of 2nd platforms, signage, related improvements at various VRE stations

TIP ID: 6429 Agency ID: 104300 Title: Rogues Road Reconstruction			Complete: 2020		Total Cost: \$9,391				
Facility: Rogues Road	STP	80/20/0	1,250 b						1,250
From: Fauquier/Prince William County Line									
To: RT 605	Total Funds: 1,250								

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

TIP ID: 6446 Agency ID: 104303 Title: Route 1 Widening from Featherstone Road to Mary's Way			Complete: 2019		Total Cost: \$96,391				
Facility: US 1 Route 1	AC Conversion	80/20/0	5,185 b						5,185
From: Featherstone Road	NHPP	100/0/0							
To: Mary's Way	NVTA-PAYGO	0/100/0							
	RSTP	80/20/0							
Total Funds:									5,185

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

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

FY 2017 - 2022

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total	
TIP ID: 6447 Agency ID: -16861		Title: Belmont Ridge Road (Route 659), South of the Dulles Greenway					Complete: 2018		Total Cost: \$19,500		
Facility: VA 659 Belmont Ridge Road	Local	0/0/100		1,080 a						16,963	
From: VA 625 Truro Parish Road				1,283 b							
To: VA 645 Croson Road				14,600 c							
	NVTA-BOND	0/100/0		19,500 c						19,500	
Total Funds:										36,463	

Description: Widen from a substandard 2-lane rural section to a 4-lane arterial standard with the appropriate auxiliary turn lanes and signalization

TIP ID: 6450 Agency ID: 108720		Title: VA Route 28 Widening (Prince William County Line to Route 29)					Complete: 2020		Total Cost: \$68,829		
Facility: VA 28 Centreville Road	AC	100/0/0		2,072 b						2,072	
From: PW County Line	NHPP	100/0/0									
To: Old Centreville Road	NVTA-PAYGO	0/100/0									
	REVSH	0/50/50		4,351 b						4,351	
Total Funds:										6,423	

Description: Widen from 4 to 6 lanes including intersection improvements and pedestrian/bicycle facilities.

TIP ID: 6457 Agency ID: 106652		Title: Route 28 Widening (SB from the Dulles Toll Road to Route 50)					Complete: 2017		Total Cost: \$20,000		
Facility: VA 28 Sully Road	NVTA-BOND	0/100/0		5,215 c						5,215	
From: VA 267 Dulles Toll Road											
To: US 50 Lee Jackson Memorial Highway											
Total Funds:										5,215	

Description: Widening from 3 to 4 lanes

TIP ID: 6512 Agency ID: 108337		Title: I-66 Inside the Beltway Tolling Systems Integration					Complete: 2017		Total Cost: \$25,000		
Facility: I-66	AC	0/100/0		20,000 c						20,000	
From: I-495											
To: Route 29 Near Roslyn, Arlington County											
Total Funds:										20,000	

Description: Design, build, operate, & maintain rush hour tolling systems to manage traffic in I-66 Corridor

TIP ID: 6513 Agency ID: 108336		Title: I-66 Inside the Beltway Tolling Infrastructure					Complete: 2017		Total Cost: \$30,000		
Facility: I-66	AC	0/100/0		1,000 b	24,000 c					25,000	
From: I-495											
To: Route 29 Near Roslyn, Arlington County											
Total Funds:										25,000	

Description: Construct tolling gantries, signage, and related on I-66 inside the Beltway

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10/7/2016

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

FY 2017 - 2022

	Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 6519 Agency ID: 99478 Title: RTE 7 CORRIDOR IMPROVEMENTS HB 2 FY17								Complete: 2022	Total Cost: \$135,872	
Facility: RT 7 Leesburg Pike	AC	0/100/0		17,668	b					17,668
From: Reston Ave										
To: Jarrett Valley Drive	RSTP	20/80/0		9,331	b					9,331
Total Funds:										26,999

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.

TIP ID: 6537 Agency ID: 105521 Title: Widen East Spring Street								Complete: 2019	Total Cost: \$6,705	
Facility: Spring Street	AC	100/0/0								
From: Herndon Parkway										
To: Fairfax County Parkway	AC 1	100/0/0		2,000	b	4,000	c			6,000
	AC 1	96/4/0		2,000	b	4,000	c			6,000
Total Funds:										6,000

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

TIP ID: 6539 Agency ID: 106917 Title: RTE 7 CORRIDOR IMPROVEMENTS								Complete: 2024	Total Cost: \$98,000	
Facility: VA 7 Leesburg Pike	AC	0/100/0		957	a					957
From: Reston Avenue										
To: 500 ft. E of Colvin Forest Drive	RSTP	80/20/0		43	a					43
Total Funds:										1,000

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

TIP ID: 6540 Agency ID: 108826 Title: Transform 66 Outside of Beltway								Complete: 2021	Total Cost: \$600,000	
Facility: I 66	AC	0/100/0		300,000	c					300,000
From: US 15 Haymarket										
To: I 495 Beltway										
Total Funds:										300,000

Description: The Transform 66 Outside the Beltway Project is a multimodal project which will provide 2 Express Lanes & 3 general purpose lanes in each direction, with a median width designed to accommodate future high quality transit.

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10/7/2016

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

FY 2017 - 2022

		Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total	
TIP ID: 6541 Agency ID: 107947		Title: NEABSCO MILLS ROAD - Widen to 4 lanes						Complete: 2018		Total Cost: \$26,300		
Facility: Neabsco Mills Road		AC	80/20/0		453 b						453	
From: Smoke Court		AC Conversion	80/20/0			453 b					453	
To: US 1 Jefferson Davis Highway		REVSH	50/50/0		2,000 b						2,000	
		RSTP	80/20/0		1,700 a						3,548	
					1,848 b							
Total Funds:											6,454	

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

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

FY 2017-2022 TIP Tables

Draft for Public Comment
October 13, 2016



National Capital Region
Transportation Planning Board

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

Source		Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 5853 Agency ID:		Title: Rail Cars - Replacement, Rehabilitation, Expansion, & Enhancements								
Facility:	Local	0/0/100		5,380 e						5,380
From:	PRIIA	50/0/50		124,349 e	172,539 e	158,438 e	141,875 e			597,200
To:	Sect. 5307	80/0/20								
	Sect. 5337-SGR	80/0/20		110,000 e	25,663 e	1,426 e	36,439 e			173,529
	WIP	0/0/100								
Total Funds:										776,109

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.

TIP ID: 5854 Agency ID:		Title: Buses - Replacement, Rehabilitation, Expansion, & Enhancements								
Facility:	CMAQ	80/0/20		808 e	6,911 e	7,399 e	4,500 e			19,618
From:	Local	0/0/100		900 e	1,728 e	5,211 e	38,483 e			46,321
To:	Sect. 5307	80/0/20		135,326 e	124,866 e	156,046 e	132,212 e			548,450
	Sect. 5337-SGR	80/0/20			4,283 e	4,283 e	4,283 e			12,849
	Sect. 5339	80/0/20		10,549 e	12,199 e	12,199 e	10,699 e			45,645
Total Funds:										672,883

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.

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

		Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 5855		Agency ID:		Title: MetroAccess and Service Vehicles							
Facility:	Local	0/0/100					24,319 e				24,319
From:											
To:	Sect. 5307	80/0/20			10,941 e	22,907 e		25,119 e			58,967
	WIP	100/0/0			10,000 e						10,000
Total Funds:											93,286

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.

TIP ID: 5856		Agency ID:		Title: Rail Line Segment Rehabilitation							
Facility:	Local	0/0/100			8,812 e						8,812
From:											
To:	PRIIA	50/0/50			50,002 e	40,582 e	45,722 e	64,632 e			200,938
	Sect. 5337-SGR	80/0/20			29,005 e	9,000 e	4,873 e				42,878
	Section 5324	75/0/25			9,500 e	3,752 e					13,252
	WIP	0/0/100									
Total Funds:											265,879

Description: Provides funds for rehabilitation of segments of Metrorail system, particularly the Red, Orange and Blue lines.

TIP ID: 5857		Agency ID:		Title: Bus Garages - Systemwide Maintenance, Expansion, Rehabilitation, and Replacement							
Facility:	Local	0/0/100			1,455 e	18,852 e	11,469 e	8,000 e			39,776
From:											
To:	Sect. 5307	80/0/20			27,470 e	19,189 e	13,032 e	8,500 e			68,190
	Sect. 5337-SGR	80/0/20									
	WIP	0/0/100			26,871 e						26,871
Total Funds:											134,837

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.

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

		Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 5858		Agency ID:		Title: Systems and Technology							
Facility:	Local	0/0/100			50,317 e	69,312 e	58,602 e	61,300 e			239,531
From:	PRIIA	50/0/50			2,445 e						2,445
To:	Sect. 5307	80/0/20					2,846 e	10,691 e			13,537
	Sect. 5333(b)	80/0/20				6,872 e					6,872
	Sect. 5337-SGR	80/0/20			1,521 e		38,035 e	23,784 e			63,340
	WIP	0/0/100			14,750 e						14,750
Total Funds: 340,474											

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.

TIP ID: 5859		Agency ID:		Title: Track and Structures							
Facility:	Local	0/0/100			7,799 e		64 e				7,863
From:	PRIIA	50/0/50			52,194 e	50,628 e	63,402 e	56,798 e			223,022
To:	Sect. 5307	80/0/20			10,000 e						10,000
	Sect. 5337-SGR	80/0/20			31,870 e	28,491 e	18,138 e	28,513 e			107,011
Total Funds: 347,896											

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.

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

Source		Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 5860 Agency ID:		Title: Passenger Facilities								
Facility:	ARRA/TIGER	100/0/0								
From:	Local	0/0/100		25,448 e	5,129 e	2,715 e	2,992 e			36,284
To:	PRIIA	50/0/50		43,934 e	23,021 e	32,438 e	36,696 e			136,089
	Sect. 5307	80/0/20			6,231 e	2,741 e	4,643 e			13,614
	Sect. 5309-B	80/0/20								
	Sect. 5317	80/0/20								
	Sect. 5337-SGR	80/0/20		11,647 e	91,951 e	91,065 e	64,644 e			259,306
	WIP	0/0/100		6,761 e						6,761
Total Funds:										452,054

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.

TIP ID: 5861 Agency ID:		Title: Maintenance Equipment								
Facility:	Local	0/0/100		802 e	41,428 e	35,820 e	15,805 e			93,855
From:	PRIIA	50/0/50								
To:	Sect. 5307	80/0/20			3,665 e					3,665
	Sect. 5337-SGR	80/0/20			3,627 e	9,512 e	12,224 e			25,363
Total Funds:										122,883

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.

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

			Source	Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 5862			Agency ID:			Title: Other Support Facilities						
Facility:	Local	0/0/100				2,564 e	15,430 e	3,284 e	6,100 e			27,378
From:												
To:	Sect. 5307	80/0/20					1,733 e	5,000 e				6,733
	Sect. 5337-SGR	80/0/20						2,555 e				2,555
	WIP	0/0/100										
											Total Funds:	36,665

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				6,104 e	3,500 e	2,500 e	2,500 e			14,604
From:												
To:	Sect. 5307	80/0/20						1,500 e				1,500
	Sect. 5339	80/0/20							1,500 e			1,500
											Total Funds:	17,604

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				4,924 e						4,924
From:												
To:	PRIIA	50/0/50				24,076 e	13,231 e					37,307
	Sect. 5337-SGR	80/0/20										
											Total Funds:	42,231

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.

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

Source		Fed/St/Loc	Previous Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Source Total
TIP ID: 5867 Agency ID:		Title: Facilities Maintenance Support – Systemwide Support Equipment, Environmental Compl Projects and Adm Support								
Facility:	DHS	100/0/0		871 e						871
From:	Local	0/0/100		7,631 e	5,792 e	6,651 e	7,830 e			27,904
To:	PRIIA	50/0/50								
	Sect. 5307	80/0/20			2,500 e	3,000 e	3,000 e			8,500
	Sect. 5337-SGR	80/0/20								
	WIP	0/0/100								
Total Funds:										37,275

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.

FY 2017-2022 TIP

Regional Financial Summary

Draft for Public Comment
October 13, 2016



National Capital Region
Transportation Planning Board

**Table 1A
DISTRICT OF COLUMBIA
FY 2017-2022 TRANSPORTATION IMPROVEMENT PROGRAM
Financial Summary (in \$Millions)**

Source	2017		2018		2019-2020		2021-2022		2017-2022
	Federal	Total	Federal	Total	Federal	Total	Federal	Total	
Title I - FHWA									
Congestion Mitigation and Air Quality Improvement Program	12.21	15.26	2.49	3.11	12.19	15.24			33.61
Demonstration Funding	0.24	0.30							0.30
Federal Lands Access Program	1.50	1.50							1.50
Highway Research and Development Program	0.07	0.14							0.14
National Highway Performance Program	120.36	150.45	123.51	154.39	227.92	284.91			589.75
Safe Routes to School Program	1.15	1.15	1.15	1.15	2.30	2.30			4.60
State Planning & Research Program	5.20	6.50	5.60	7.00	10.80	13.50			27.00
Surface Transportation Program	83.60	104.50	46.23	57.79	94.54	118.17			280.47
Highway Safety Improvement Program (STP)	8.84	10.55	5.93	6.63	11.93	13.35			30.53
Transportation Alternatives Program	0.92	1.15	0.92	1.15	1.84	2.30			4.60
Title I - FHWA Total:	234.10	291.50	185.84	231.23	361.53	449.77			967.90
Title III - FTA									
Section 5303	0.33	0.42	0.33	0.42	0.66	0.83			1.66
Section 5304	0.09	0.11	0.09	0.11	0.18	0.22			0.44
Title III - FTA Total:	0.42	0.53	0.42	0.53	0.84	1.05			2.10
State/Local									
District Funds		88.68		63.70		141.24			293.63
State/Local Total:		88.68		63.70		141.24			293.63
Other									
Grant Anticipation Revenue Vehicles (Bonds)	38.95	48.69	67.42	84.27	61.06	76.33			209.29
GSA Earmark	25.14	31.42	19.84	24.80					56.22
National Recreational Trails Funding Program	0.24	0.30	0.24	0.30	0.48	0.60			1.20
Private Developer		1.20		1.20					2.40
Other Total:	64.33	81.61	87.50	110.57	61.54	76.93	0.00	0.00	269.11
Grand Total:	298.85	462.32	273.75	406.03	423.91	668.99	0.00	0.00	1,537.34

**Table 1B
DISTRICT OF COLUMBIA
FY 2017-2022 TRANSPORTATION IMPROVEMENT PROGRAM
Financial Summary (in \$Millions)**

Project Type	2017		2018		2019-2020		2021-2022		2017-2022	
	Federal	Total	Federal	Total	Federal	Total	Federal	Total	Federal	Total
Interstate	9.42	11.77	10.22	12.77	53.63	67.04			73.27	91.59
Primary	94.58	152.65		160.21	134.82	192.83			229.41	505.70
Secondary	7.32	9.15	1.60	2.00	13.20	16.50			22.12	27.65
Bridge	24.88	31.10	3.40	4.25	19.60	24.50			47.88	59.85
Surface Transportation:	136.20	204.67	15.22	179.24	221.25	300.88	0.00	0.00	372.68	684.79
Transit:	6.42	49.99	25.62	79.73	28.74	135.46	0.00	0.00	60.78	265.19
Bike/Ped:	11.88	14.57	1.88	2.06	13.45	16.23	0.00	0.00	27.20	32.85
Enhancement	0.92	1.15	0.92	1.15	1.84	2.30			3.68	4.60
Freight	4.19	6.49	0.36	1.65	0.68	0.85				
ITS	13.09	16.37	8.89	11.11	17.61	22.01			39.59	49.49
Maintenance	71.53	100.34	48.34	70.92	68.96	103.18			188.84	274.44
Other	54.04	68.05	47.24	59.48	70.25	86.68			171.53	214.20
Safety										
TERMs	0.56	0.70	0.56	0.70	1.12	1.40			2.24	2.80
Miscellaneous:	144.34	193.09	106.30	145.00	160.47	216.42	0.00	0.00	411.11	554.51
Total Funds:	298.85	462.32	149.02	406.03	423.91	668.99	0.00	0.00	871.77	1,537.34

Table 2A
MARYLAND
FY 2017-2022 TRANSPORTATION IMPROVEMENT PROGRAM
Financial Summary by Funding Source (in \$ Millions)

Source	2017		2018		2019-2020		2021-2022		2017-2022	
	Federal	Total	Federal	Total	Federal	Total	Federal	Total		
Title I - FHWA										
Bridge Replacement and Rehabilitation Program	0.89	0.89								0.89
Congestion Mitigation and Air Quality Improvement Program	2.45	2.45	2.31	2.31	4.63	4.63	4.27	4.27		13.66
Earmark	4.14	4.14								4.14
High Priority Project	4.77	4.77	13.93	13.93	7.11	7.11				25.81
National Highway Performance Program	98.64	98.64	95.45	95.45	255.47	255.47	110.39	110.39		559.95
Surface Transportation Program	53.88	53.88	39.68	39.68	77.73	77.73	65.47	65.47		236.76
Enhancements (STP)	4.50	4.50	4.46	4.46	9.18	9.18	35.14	35.14		53.28
Highway Safety Improvement Program (STP)	8.60	8.60	3.52	3.52	7.95	7.95	8.40	8.40		28.47
Transportation and Community and System Preservation	0.86	0.86	0.10	0.10						0.96
<i>Title I - FHWA Total:</i>	<i>178.73</i>	<i>178.73</i>	<i>159.45</i>	<i>159.45</i>	<i>362.08</i>	<i>362.08</i>	<i>223.67</i>	<i>223.67</i>		<i>923.91</i>
Title III - FTA										
Section 5307	29.09	39.60	23.55	32.68	47.85	66.30	47.05	65.30		203.89
Section 5309	316.00	395.00	116.00	145.00	232.00	290.00	232.00	290.00		1,120.00
Section 5310	0.47	0.65			0.47	0.65	0.47	0.65		1.95
Section 5311	0.74	1.44	0.74	1.44	1.49	2.89	1.49	2.89		8.66
State of Geed Repair Grant Funds	42.22	52.78	19.24	24.05	24.95	31.18	10.20	12.75		120.76
Transportation Infrastructure Finance and Innovation Act	890	890								890.00
<i>Title III - FTA Total:</i>	<i>1,278.53</i>	<i>1,379.47</i>	<i>159.54</i>	<i>203.18</i>	<i>306.76</i>	<i>391.02</i>	<i>291.21</i>	<i>371.59</i>		<i>2,345.26</i>
State/Local Funds										
State		228.51		227.16		415.31		188.962		1,059.95
Local		10.90		8.51		29.50				
State/Local Combined		2.08		5.92						8.00
<i>State/Local Total:</i>	<i>0.00</i>	<i>241.48</i>	<i>0.00</i>	<i>241.59</i>	<i>0.00</i>	<i>444.81</i>	<i>0.00</i>	<i>188.96</i>		<i>1,116.85</i>
Other Funds										
DOD - Office of Economic Development	7.41	7.41	4.81	4.81	6.20	6.20		1.77		20.18
National Park Service	0.06	0.06								0.06
National Recreational Trails Funding Program	0.41	0.41								0.41
Private Developer				0.90						0.90
Public Lands	8.49	8.49								8.49
Public Private Partnership		17.33		17.33		34.66		34.66		103.98
<i>Other Total:</i>	<i>16.37</i>	<i>33.70</i>	<i>4.81</i>	<i>23.04</i>	<i>6.20</i>	<i>40.86</i>	<i>0.00</i>	<i>36.43</i>		<i>134.03</i>
<i>MDOT Total:</i>	<i>1,473.62</i>	<i>1,833.38</i>	<i>323.79</i>	<i>627.26</i>	<i>675.03</i>	<i>1,238.77</i>	<i>514.87</i>	<i>820.64</i>		<i>4,520.05</i>
County Projects										
Bridge Replacement and Rehabilitation Program	5.38	6.54	1.48	1.85	3.04	4.05				12.44
Surface Transportation Program										0.00
Section 5307	1.60	1.60	1.60	1.60	3.20	3.20				6.40
Local		167.99		171.25		353.89		2.65		695.78
State		5.21		0.40		0.80				6.41
State and Local		1.83		1.85		1.22				4.90
DOD - Office of Economic Development	3.03	3.03	3.11	3.11						6.14
Private Developer		3.00								3.00
<i>Maryland County Total:</i>	<i>10.00</i>	<i>189.20</i>	<i>6.19</i>	<i>180.06</i>	<i>6.24</i>	<i>363.16</i>	<i>0.00</i>	<i>2.65</i>		<i>735.07</i>
<i>Maryland Total:</i>	<i>1,483.63</i>	<i>2,022.58</i>	<i>329.98</i>	<i>807.32</i>	<i>681.27</i>	<i>1,601.93</i>	<i>514.87</i>	<i>823.29</i>		<i>5,255.12</i>

FY 2017-2022 TRANSPORTATION IMPROVEMENT PROGRAM
Financial Summary (in \$ Millions)

Project Type	2017		2018		2019-2020		2021-2022		2017-2022	
	Federal	Total	Federal	Total	Federal	Total	Federal	Total	Federal	Total
MDOT - SHA/MTA/MdTA										
Interstate	9.32	24.13	24.36	92.49	68.69	245.48	28.70	56.32	131.06	418.42
Primary	36.17	69.08	43.92	78.66	92.87	145.84		19.93	172.95	313.52
Secondary	32.57	61.39	4.83	39.89	11.02	87.47	1.77	46.21	50.18	234.96
Bridge										
Maintenance	19.27	24.09	0.71	0.88	10.32	28.76	23.01	21.50	53.31	75.24
Surface Transportation:	97.33	178.70	73.80	211.92	182.89	507.56	53.48	143.97	407.51	1,042.15
Transit:	1,260.12	1,449.26	159.70	247.40	285.49	452.47	275.75	440.30	1,981.07	2,589.43
Bike/Ped:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	116.17	204.49	90.28	164.74	194.38	272.84	193.22	232.72	594.05	874.79
TERMs		2.94		3.20		6.33		3.65		16.11
TERMs and Other:	116.17	207.43	90.28	167.94	194.38	279.17	193.22	236.37	594.05	890.90
Total Funds (MDOT):	1,473.62	1,835.38	323.79	627.26	662.76	1,239.19	522.45	820.64	2,982.62	4,522.47
Frederick, Montgomery & Prince George's Counties										
Primary		2.10								2.10
Secondary	1.20	38.11	1.48	31.56	1.24	135.16			3.92	204.82
Bridge	4.18	5.74		1.05	1.80	5.75			5.97	12.55
Urban									0.00	0.00
Surface Transportation:	5.38	45.96	1.48	32.60	3.04	140.91	0.00	0.00	9.89	219.47
Transit:	1.60	23.72	1.60	31.76	3.20	58.60	0.00	0.00	6.40	114.08
Bike/Ped:	3.03	44.32	3.11	49.92	0.00	83.38	0.00	2.65	6.14	180.26
Enhancements		10.84		6.08		3.72				20.65
ITS		3.25		3.25		6.49			0.00	12.98
Maintenance		19.96		17.62		33.23			0.00	70.81
Other		38.65		36.33		31.84				106.82
Safety		2.50		2.50		5.00			0.00	10.00
Enhancements, ITS and Other:	0.00	75.20	0.00	65.78	0.00	80.28	0.00	0.00	0.00	221.26
Total Funds (Counties):	10.00	189.20	6.19	180.06	6.24	363.16	0.00	2.65	22.43	735.07
Total Funds (Maryland):	1,483.63	2,024.58	329.98	807.32	669.00	1,602.35	522.45	823.29	3,005.06	5,257.54

Table 3A
VIRGINIA
FY 2017-2022 TRANSPORTATION IMPROVEMENT PROGRAM
Financial Summary by Funding Source (in \$ Millions)

October 7, 2016

Source	2017		2018		2019-2020		2021-2022		2017-2022
	Federal	Total	Federal	Total	Federal	Total	Federal	Total	Total
Title I - FHWA									
Bridge Replacement and Rehabilitation Program	2.50	2.90	0.95	1.04					3.94
Congestion Mitigation and Air Quality Improvement Program	16.00	19.88	36.12	45.17	1.45	1.82			66.86
Equity Balance/Minimum Guarantee	1.08	1.34	0.55	0.68					2.02
Interstate Maintenance	3.37	3.58							3.58
National Highway Performance Program	0.05	0.05							0.05
Regional Surface Transportation Program	19.56	31.47	16.40	20.51					51.98
Surface Transportation Program	52.77	66.11	48.75	61.49	9.10	18.19			145.78
Enhancements (STP)	2.94	2.95	3.05	3.05					5.99
Highway Safety Improvement Program (STP)	10.24	10.47	2.00	2.04					12.52
<i>Title I - FHWA Total:</i>	108.49	138.74	107.82	133.97	10.55	20.01			292.72
Title III - FTA									
Section 5307 - Urbanized Area Formula Program	8.13	11.31	6.95	9.73	8.28	10.35		1.77	33.16
5339 - Alternatives Analysis Funding	8.40	10.50	0.14	0.18	0.33	0.41		0.23	11.32
State of Good Repair Grant Funds	22.74	32.66	4.90	6.12	10.16	12.70		1.65	53.13
<i>Title III - FTA Total:</i>	39.27	54.47	11.99	16.03	18.76	23.45		3.65	97.60
State/Local Funds									
Local Funds		41.66		25.01					66.67
Northern Virginia Transportation Authority		41.81							41.81
State Funds		1.03		2.34					3.37
State/Local Funds		10.45		13.00		10.00			33.45
<i>State/Local Total:</i>		94.96		40.35		10.00			145.31
Other Funds									
Advanced Construction	32.47	380.48	51.36	81.03					461.51
Advanced Construction Conversion	27.94	32.09	31.42	36.02	2.86	2.86			70.97
Revenue Sharing	2.27	6.00		12.06					18.05
<i>Other Total:</i>	62.68	418.57	82.78	129.11	2.86	2.86			550.54
<i>Virginia Total:</i>	210.44	706.73	202.60	319.47	32.17	56.32	0.00	3.65	1,086.17

**Table 3B
VIRGINIA
FY 2017-2022 TRANSPORTATION IMPROVEMENT PROGRAM
Financial Summary (in Millions of Dollars)**

Project Type	2017		2018		2019-2020		2021-2022		2017-2022	
	Federal	Total	Federal	Total	Federal	Total	Federal	Total	Federal	Total
Interstate	9.24	337.23	10.39	34.39	2.86	2.86			22.48	374.47
Primary	6.85	43.64	11.65	18.40					18.50	62.04
Secondary	10.28	64.79	8.54	16.48					18.82	81.27
Urban	4.62	5.37	7.32	11.63					11.94	17.00
Federal Lands										
Bridge	12.74	14.37	29.35	33.90					42.08	48.27
Surface Transportation:	43.71	465.41	67.25	114.79	2.86	2.86	0.00	0.00	113.81	583.05
Transit:	67.88	130.05	72.70	133.40	29.31	53.46	2.92	3.65	172.82	320.56
Bike/Ped:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CMAQ	0.00	0.00								
Enhancement	5.88	7.43	0.33	0.45					6.21	7.88
ITS	4.05	4.05	4.28	4.28					8.33	8.33
Maintenance	17.27	17.27	19.13	19.13					36.40	36.40
Other	71.75	82.54		47.42					71.75	129.96
Enhancements, ITS, Maintenance and Other:	98.95	111.28	23.74	71.28	0.00	0.00	0.00	0.00	122.69	182.56
Total Funds:	210.51	706.71	163.61	319.41	32.11	56.31	2.92	3.65	409.31	1,086.11

Table 4A
Washington Metropolitan Area Transit Authority
FY 2015-2020 TRANSPORTATION IMPROVEMENT PROGRAM
Financial Summary (in \$ Millions)

Source	2017		2018		2019-2020		2021-2022		2017-2022
	Federal	Total	Federal	Total	Federal	Total	Federal	Total	
Title I - FHWA									
Congestion Mitigation and Air Quality Improvement Program	0.65	0.81	5.53	6.91	9.52	11.90			19.62
<i>Title I - FHWA Total:</i>	0.65	0.81	5.53	6.91	9.52	11.90	0.00	0.00	19.62
Title III - FTA									
5307 - Urbanized Area Formula Program	146.99	183.74	144.87	181.09	294.66	368.33			733.16
5333(b) - Labor Protection Certifications			5.50	6.87					6.87
5339 - Alternatives Analysis Funding	8.44	10.55	9.76	12.20	19.52	24.40			47.14
Passenger Rail Investment and Improvement Act of 2008	148.50	297.00	150.00	300.00	300.00	600.00			1,197.00
State of Good Repair Grant Funds	147.23	184.04	130.41	163.01	271.82	339.77			686.83
<i>Title III - FTA Total:</i>	451.16	675.33	440.54	663.18	886.00	1332.50	0.00	0.00	2,671.00
State/Local		122.14		161.17		293.64			576.95
<i>State/Local Total:</i>		122.14		161.17		293.64		0.00	576.95
Other Funds									
Department of Homeland Security	0.87	0.87							0.87
Resiliency Grant	7.13	9.50	2.81	3.75					13.25
WMATA Insurance Proceeds	10.00	58.38							58.38
<i>Other Funds Total:</i>	18.00	68.75	2.81	3.75	0.00	0.00	0.00	0.00	72.51
Grand Total:	469.80	867.03	448.88	835.01	895.52	1638.04	0.00	0.00	3,340.08

**Table 5A
METROPOLITAN WASHINGTON REGION
FY 2017-2022 TRANSPORTATION IMPROVEMENT PROGRAM
Financial Summary by Funding Source (in \$ Millions)**

Source	2017		2018		2018-2020		2021-2022		2017-2022
	Federal	Total	Federal	Total	Federal	Total	Federal	Total	
Title I - FHWA									
Bridge Replacement and Rehabilitation Program	8.76	10.34	2.43	2.89	3.04	4.05			17.27
Congestion Mitigation and Air Quality Improvement Program	31.31	38.40	46.45	57.50	27.79	33.58	4.27	4.27	133.75
Demonstration	0.24	0.30							0.30
Earmark	4.14	4.14							4.14
Equity Balance/Minimum Guarantee	1.08	1.34	0.55	0.68					2.02
Federal Lands Access Program	1.50	1.50							1.50
High Priority Project	4.77	4.77	13.93	13.93	7.11	7.11			25.81
Highway Research and Development Program	0.07	0.14							0.14
Interstate Maintenance	3.37	3.58							3.58
National Highway Performance Program	219.04	249.13	218.97	249.84	483.40	540.38	110.39	110.39	1,149.75
Regional Surface Transportation Planning	19.56	31.47	16.40	20.51					51.98
Safe Routes to School Program	1.15	1.15	1.15	1.15	2.30	2.30			4.60
State Planning & Research Program	5.20	6.50	5.60	7.00	10.80	13.50			27.00
Surface Transportation Program	190.24	224.49	134.66	158.96	181.37	214.10	65.47	65.47	663.01
Enhancements (STP)	7.44	7.45	7.51	7.51	9.18	9.18	35.14	35.14	59.27
Highway Safety Improvement Program (STP)	27.69	29.62	11.45	12.19	19.89	21.30	8.40	8.40	71.52
Transportation Alternatives Program	0.92	1.15	0.92	1.15	1.84	2.30			4.60
Transportation and Community and System Preservation	0.86	0.86	0.10	0.10					0.96
Title I - FHWA Total:	527.34	616.32	460.12	533.41	746.71	847.80	223.67	223.67	2,221.19
Title III - FTA									
5303 - Planning Program	0.332	0.415	0.332	0.415	0.664	0.83			1.66
5304 - State & Planning Research Program	0.088	0.11	0.088	0.11	0.176	0.22			0.44
5307 - Urbanized Area Formula Program	185.80616	236.2497	176.97456	225.1058	353.98992	448.1764	48.4624	67.067	976.60
5309 - New Starts	316	395	116	145	232	290	232	290	1,120.00
5310 - Elderly and Persons with Disabilities Program	3.3068	3.481	2.832	2.832	6.1388	6.313			12.63
5311 - Non-urbanized Area Formula Program	0.743	1.444	0.743	1.444	1.486	2.888	1.486	2.888	8.66
5333(b) - Labor Protection Certifications			5.49736	6.8717					6.87
5339 - Alternatives Analysis Funding	16.838	21.0475	9.90064	12.3758	19.84368	24.8046			58.23
Passenger Rail Investment and Improvement Act of 2008	148.5	297	150	300	300.00005	600.0001			1,197.00
Resiliency Grant	7.125	9.5	2.814	3.752					13.25
State of Good Repair Grant Funds	212.1982	316	154.55344	193.1918	306.92392	383.6549	11.52	14.4	907.25
Transportation Infrastructure Finance and Innovation Act	890	890							890.00
WMATA Insurance Proceeds	10	58.3825							58.38
Title III - FTA Total:	1,790.94	2,228.63	619.74	891.10	1,221.22	1,756.89	293.47	374.36	5,250.97
State/Local									
Grant Anticipation Revenue Vehicles (Bonds)	38.95	48.69	67.42	84.27					132.96
Local		342.69		365.95		677.04		2.65	1,388.31
Northern Virginia Transportation Authority; Bond Financing		41.81							41.81
State or District Funding		323.43		293.61		557.35		188.96	1,363.35
State/Local	0.10	14.36		20.77		11.22			46.35
State/Local Total:	39.05	770.98	67.42	764.59		1,245.61		191.61	2,972.79
Other									
Advanced Construction	32.47	380.48	51.36	81.03					461.51
Advanced Construction Conversion	27.94	32.09	31.42	36.02	2.86	2.86			70.97
Department of Homeland Security	0.87	0.87							0.87
DOD - Office of Economic Development	10.43	10.43	7.92	7.92	6.20	6.20			24.55
GSA Earmark	25.14	31.42	19.84	24.80					56.22
National Park Service	0.062	0.062							0.06
National Recreational Trails Funding Program	0.65	0.71	0.24	0.30	0.48	0.60			1.61
Private Developer		6.20		2.10					8.30
Public Lands	8.49	8.49							8.49
Public-Private Partnership		17.33		17.33		34.66		34.66	103.98
Revenue Sharing	2.27	6.00		12.06					7.00
	108.32	494.09	110.78	181.56	9.54	44.32	0.00	34.66	754.62
Total:	2,465.65	4,110.02	1,258.05	2,370.65	1,977.47	3,894.61	517.13	824.29	11,199.57

Table 5B
METROPOLITAN WASHINGTON REGION
FY 2015-2020 TRANSPORTATION IMPROVEMENT PROGRAM
Financial Summary (in \$Millions)

Project Type	2015		2016		2017-2018		2019-2020		2015-2020	
	Federal	Total	Federal	Total	Federal	Total	Federal	Total	Federal	Total
Interstate	27.97	373.14	44.96	139.64	125.18	315.38	28.70	56.32	226.81	884.48
Primary	137.60	267.48	180.30	257.27	227.69	338.68		19.93	545.59	883.36
Secondary	51.37	173.45	16.45	89.92	25.46	239.13	1.77	46.21	95.04	548.71
Urban	4.62	5.37	7.32	11.63					11.94	17.00
Bridge	41.80	51.21	32.75	39.20	21.40	30.25			95.94	120.67
Federal Lands Highway Program										
Surface Transportation:	263.35	870.65	281.78	537.67	399.73	923.43	30.47	122.47	975.32	2,454.21
Transit:	1,805.83	2,520.05	708.51	1,327.30	1,242.26	2,338.03	278.67	443.95	4,035.28	6,629.32
Bike/Ped:	14.91	58.88	4.99	51.98	13.45	99.61	0.00	2.65	33.34	213.11
CMAQ										
Enhancement	6.80	19.42	1.25	7.68	1.84	6.02			9.89	33.12
Freight	4.19	6.49	0.36	1.65	0.68	0.85			5.23	8.99
ITS	17.14	23.66	13.16	18.63	17.61	28.51			47.91	70.80
Human Service Transportation Coordination	2.83	2.83	2.83	2.83	5.66	5.66			11.33	11.33
Maintenance	108.07	161.66	68.18	108.56	91.97	165.17	17.20	21.50	285.43	456.89
Other	241.96	393.72	176.43	307.97	264.63	391.35	193.22	232.72	876.24	1,325.76
Safety		2.50		2.50		5.00				10.00
TERMs	0.56	3.64	0.56	3.90	1.12	7.73		3.65	2.24	18.91
CMAQ, TERMs, Enhancements, ITS, and Other:	381.56	613.92	262.77	453.71	383.52	610.29	210.42	257.88	1,238.28	1,935.80
Total Funds:	2,465.65	4,063.49	1,258.05	2,370.65	2,038.95	3,971.36	519.56	826.94	6,282.22	11,232.45

FY 2017-2022 TIP Financial Report

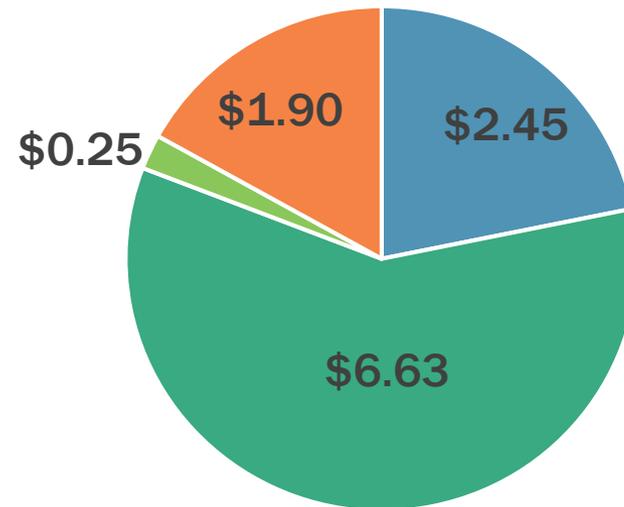
Over 300 Projects, \$11 Billion

- Capital and Operations & Maintenance projects
- 114 road & bridge
- 55 transit
- 34 bicycle & pedestrian
- Other: ITS, Safety, Freight, Maintenance & Rehabilitation

FY 2017-2022 Programmed Amounts

- 19 projects over \$100 million
- 224 projects \$20 million or less

Funding by Project Type
(in Billions of Dollars)

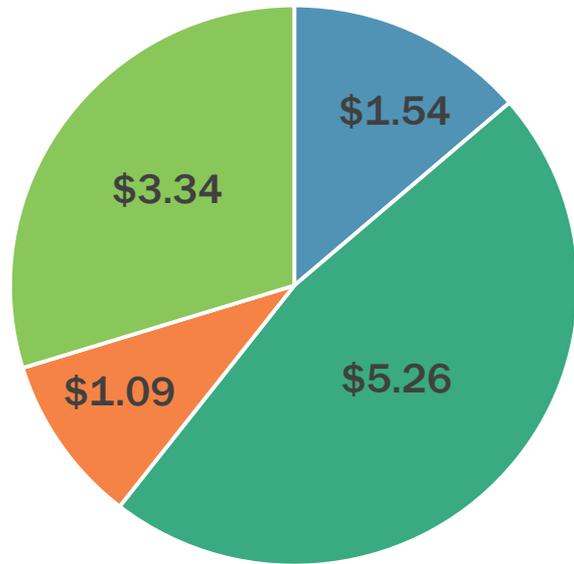


- Roads & Bridges
- Transit
- Bicycle & Pedestrian
- Other



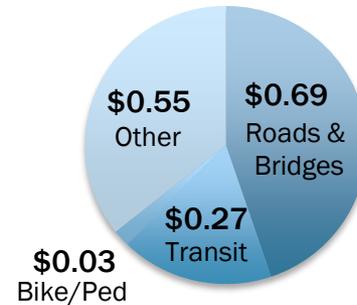
FY 2017-2022 TIP Financial Report

Funding by Jurisdiction or Agency
(in Billions of Dollars)

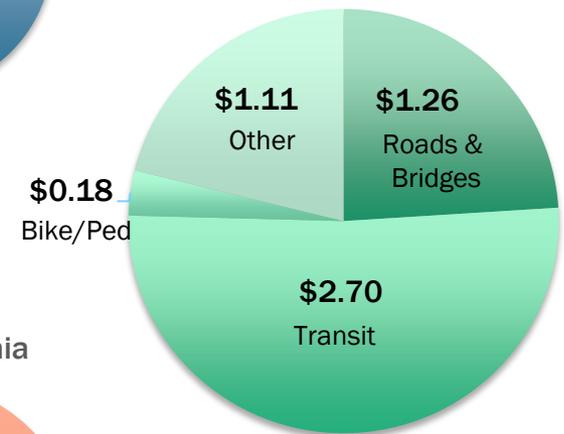


- District of Columbia
- Suburban Maryland
- Northern Virginia
- WMATA

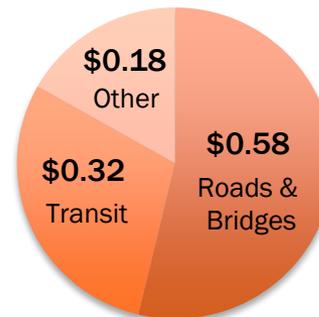
District of Columbia



Suburban Maryland



Northern Virginia



FY 2017-2022 TIP Financial Report

- \$11 billion programmed between FY 2017 and FY 2022
 - \$6.2 billion is federal funding (55%)
 - 90% of funding from nine sources

LARGEST FY 2017-2022 FUNDING SOURCES

(In Billions of Dollars)

■ Federal ■ State/Local

