

# FY 2019-2024 Transportation Improvement Program (TIP)

## Public Forum

Andrew Austin  
TPB Transportation Planner

Thursday, July 12, 2018



# Agenda

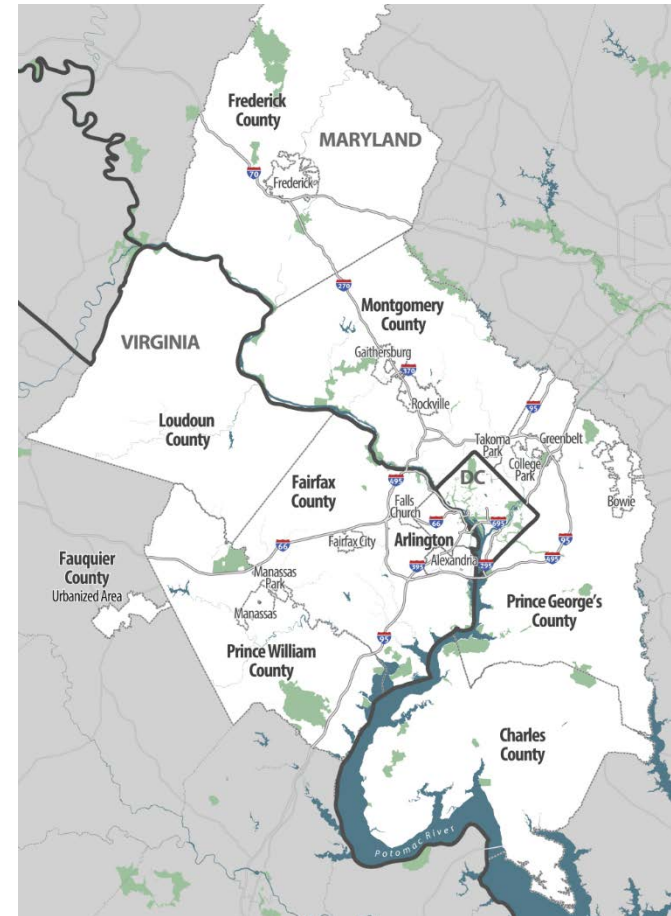
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- Introduction to the Transportation Planning Board (TPB), Visualize 2045, and Transportation Improvement Program (TIP)
- Review of the FY 2017-2022 TIP and Development of the FY 2019-2024 TIP
- Project Selection & Funding by the Region's Transportation Agencies
- Performance Based Planning and Programming and Next Steps
- Questions & Answers with Regional Planners and State Officials



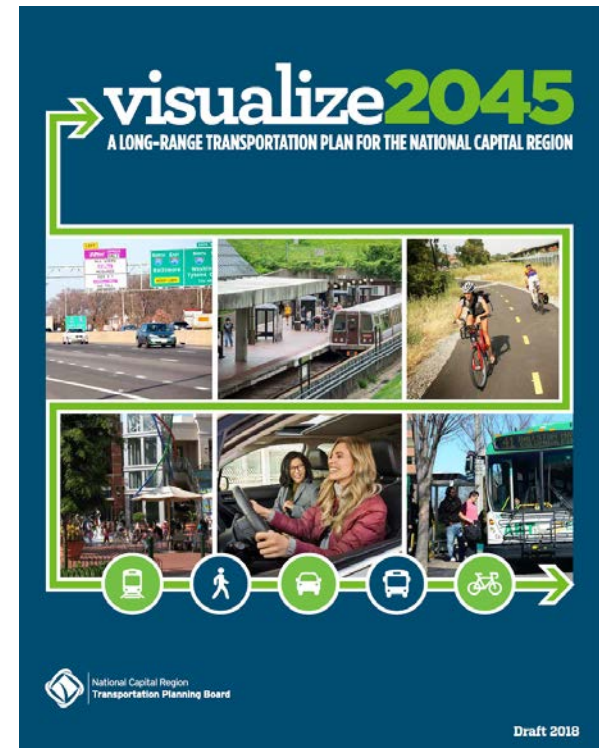
# About the TPB

- Federally designated Metropolitan Planning Organization (MPO) for the Washington region
- 3,500 square miles in area
- Home to more than 5 million people and 3 million jobs
- Members include:
  - State transportation agencies
  - 23 local jurisdictions
  - State and DC legislatures
  - WMATA
  - Others



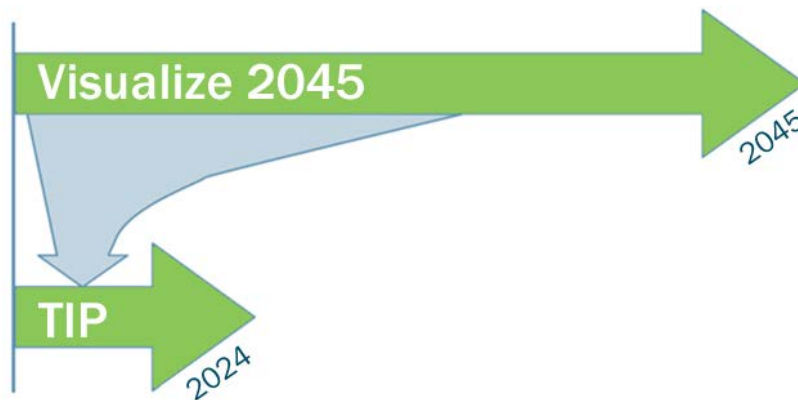
# Visualize 2045

- Long-range transportation plan – financially constrained element
- Developed cooperatively by the region’s Transportation and Transit agencies
- All regionally significant projects and programs
- Hundreds of road and transit projects
- Financially constrained: funds must be “reasonably expected to be available”
- Must meet air quality standards
- Must cover 20-year period.  
Horizon Year: 2045
- Major update every four years



# The TIP

- Federal Requirements
  - Must cover at least a 4-year period and be updated every 4 years
  - Funding in the first two fiscal years must be “available and committed”
  - Project funding in the TIP should be based on a investment plan to attain a set of federally approved performance targets
- TPB’s TIP covers 6 years to match state and District programming



# The TIP

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- Formally updated and approved by the TPB every two years
  - Amended monthly as needed
- Following TPB approval, the District of Columbia, Maryland, and Virginia incorporate their respective portions of the TIP into their own Statewide Transportation Improvement Programs (STIPs)
  - Opportunities for public involvement at statewide level
- STIPs are submitted to Federal Highway Administration and Federal Transit Administration for approval
  - Must remain consistent with TPB's TIP



# TPB Development of FY 2019-2024 TIP

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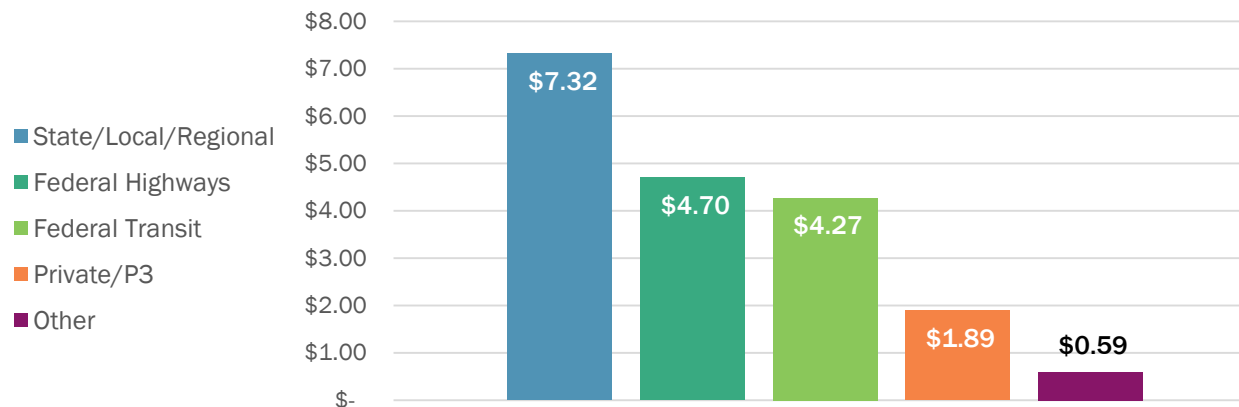
- Schedule
  - October 2017: TPB approves Technical Inputs Solicitation for Visualize 2045 constrained element and the FY 2019-2024 TIP
  - November 2017: projects submitted for air quality conformity analysis
  - December 14, 2017 – January 13, 2018: Public comment period
  - May – August: Programming data for TIP projects submitted
  - Release for public comment on September 7, 2018 along with Visualize 2045, air quality conformity and performance analyses
  - Approval October 17, 2018
- Currently amended FY 2017-2022 TIP rolled over into FY 2019-2024



# Current FY 2017-2022 TIP Funding

- \$18.7 billion programmed between FY 2017 and FY 2022
  - \$7.3 billion from state, local, and regional sources (39%)
  - \$9 billion is federal funding (48%)
  - \$10.8 billion programmed in FY 2017-2018
  - More than 50 types of federal, state, regional, local and private funds

FUNDING SOURCES IN THE FY 2017-2022 TIP  
(In Billions)





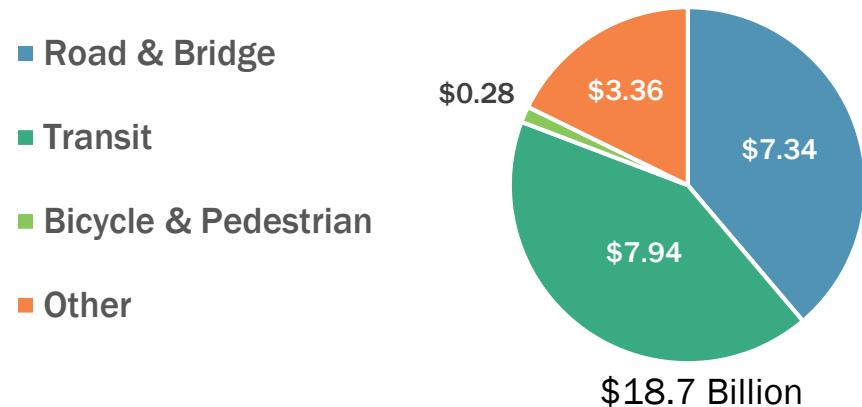
# Current FY 2017-2022 TIP Funding

## Over 450 Projects

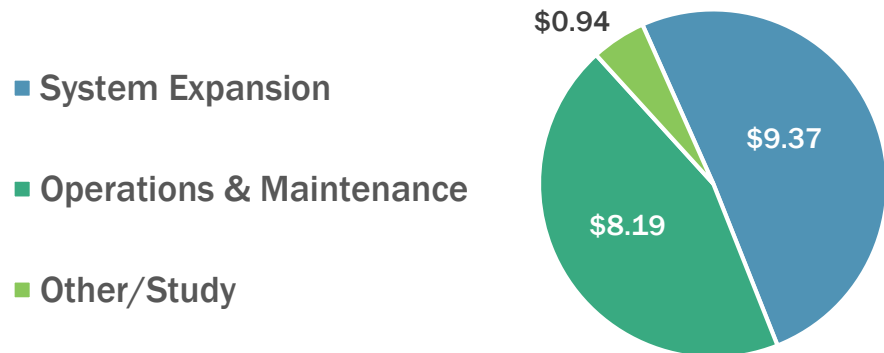
- 210 Road & Bridge
- 61 Transit
- 30 Bicycle & Pedestrian\*
- Other: ITS, Safety, Freight, Maintenance & Rehabilitation

\*Does not include road or bridge projects that include bicycle or pedestrian accommodations

FUNDING BY MODE  
(in Billions)



EXPANSION VS. OPERATIONS/MAINTENANCE  
(In Billions)



# Current FY 2017-2022 TIP Funding

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## Project costs in the current TIP

- 3 projects over \$1 billion
- 28 projects over \$100 million
- 262 projects \$10 million or less



# Projects Expected in the FY 2019-2024 TIP

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## District of Columbia

- South Capitol Street Corridor/Bridge
- Union Station to Georgetown/K Street Transit

## Maryland

- Purple Line
- I-495 and I-270 Traffic Relief Plan

## Virginia

- Transform I-66 Outside the Beltway
- Silver Line Phase II



# DISTRICT OF COLUMBIA

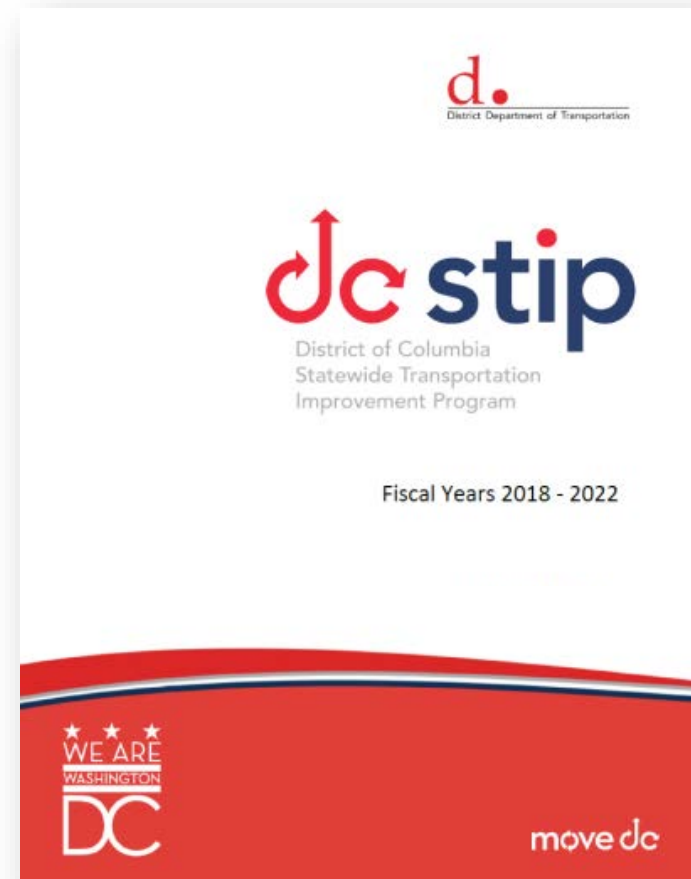
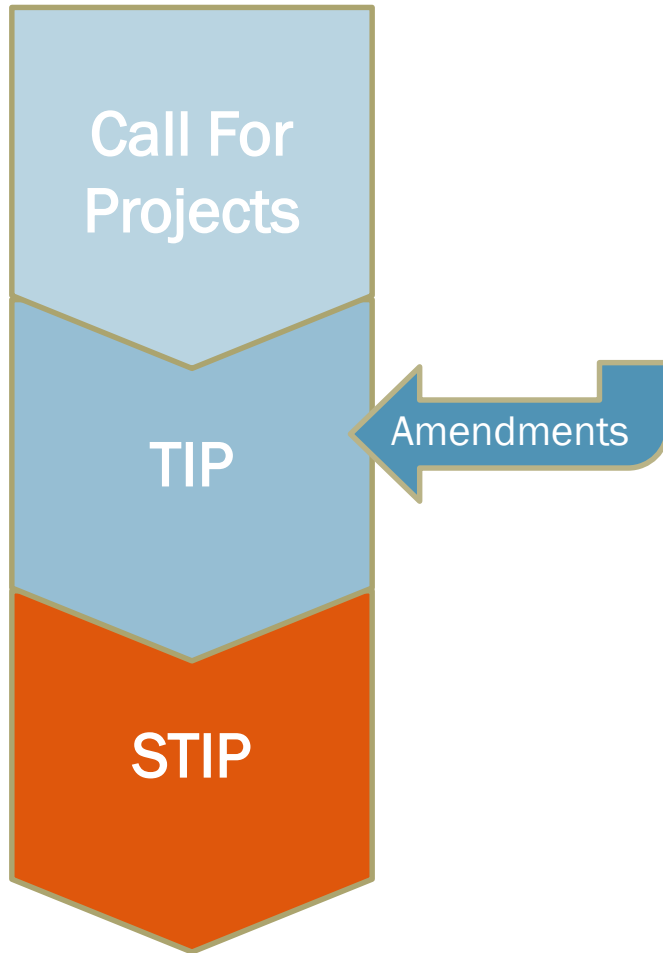
## Project Funding, Selection, and Prioritization

**Mark Rawlings**

District Department of Transportation



# District STIP Development



# 2019 Project Prioritization

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- **Tier 1:** Core
- **Tier 2:** Design complete; ready for construction
- **Tier 3:** Planning and preliminary design complete; ready for final design
- **Tier 4:** Earliest phase; need planning and/or design
- Also considered: moveDC, Vision Zero, best use of CMAQ



# Public Involvement in the DC STIP

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- DC STIP Website ([stip.wemoveDC.org](http://stip.wemoveDC.org))
- Online Engagement
- Post Draft STIP projects
- STIP Archive
- Online Survey
- Emails, Press Release & Online Calendar
- Held two “Meet the Public” events
- Held Public Meeting



# SUBURBAN MARYLAND

## Project Funding, Selection, and Prioritization

**Kari Snyder**  
Maryland Department of Transportation





# Project Selection & Funding in Maryland

## Consolidated Transportation Plan (CTP) Building Blocks

- 2040 Maryland Transportation Plan (MTP): 20-year mission document for a balanced, multimodal approach to transportation planning
  - Updated every 5 years, submitted with the State Report on Transportation, and will be adopted January 2019
- Transportation Business Units Needs Assessments
  - SHA, MTA, MPA, MVA, MAA, & MDTA
- County Priority Letters and Secretary's Annual Tour
- Chapter 30 – New Maryland Law to add transparency to project selection process
  - Analytical tool to rank and evaluate major capacity projects based on 9 goals and 23 measures



# Project Selection & Funding in Maryland

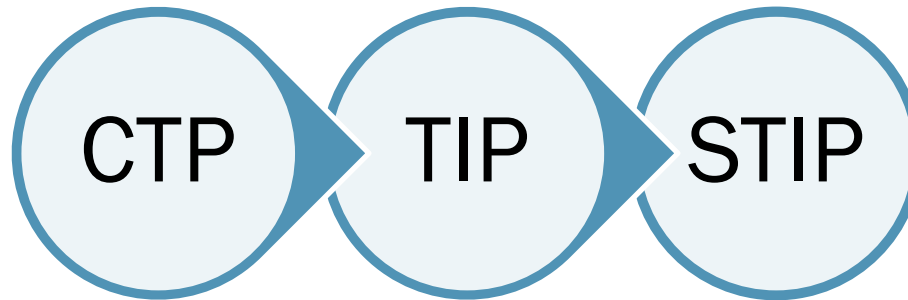
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- Currently Approved CTP: FY 2018-2023
  - Six-year capital budget document – updated annually
  - Included in the current draft of the TPB’s FY 2019-2024 TIP
  - [CTP.Maryland.Gov](http://CTP.Maryland.Gov)
- Public Involvement: Priority Letters and Annual Tours
  - The Secretary and the Transportation Business Unit administrators visit the 23 counties and the City of Baltimore between September 15th and November 15th every year
  - Members of the public and local and elected officials provide feedback to the Draft CTP



# Project Selection & Funding in Maryland

- Draft FY 2019-2024 CTP will be:
  - Published September 4th, 2018
  - Submitted to the Maryland Legislature January 2019
  - Approved and signed by the Governor April 2019
  - Following approval, amend TPB's FY 2019-2024 TIP to update



# Project Selection & Funding in Maryland

- Statewide Transportation Improvement Program (STIP)
  - Four-year program
  - [www.mdot.maryland.gov/newMDOT/Planning/STIP\\_TIP/STIPandTIP\\_2017.html](http://www.mdot.maryland.gov/newMDOT/Planning/STIP_TIP/STIPandTIP_2017.html)
  - Uses Fall Secretary's Tour for public engagement and feedback
- FY 2017 STIP approved August 2016
  - Currently includes TPB's FY 2017-2022 TIP, as amended in March 2017
  - Will be updated to the FY 2020 STIP following approval of the TPB's FY 2019-2024 TIP



# NORTHERN VIRGINIA

## Project Funding, Selection, and Prioritization

**Norman Whitaker**  
Virginia Department of Transportation



# Project Selection & Funding in Virginia

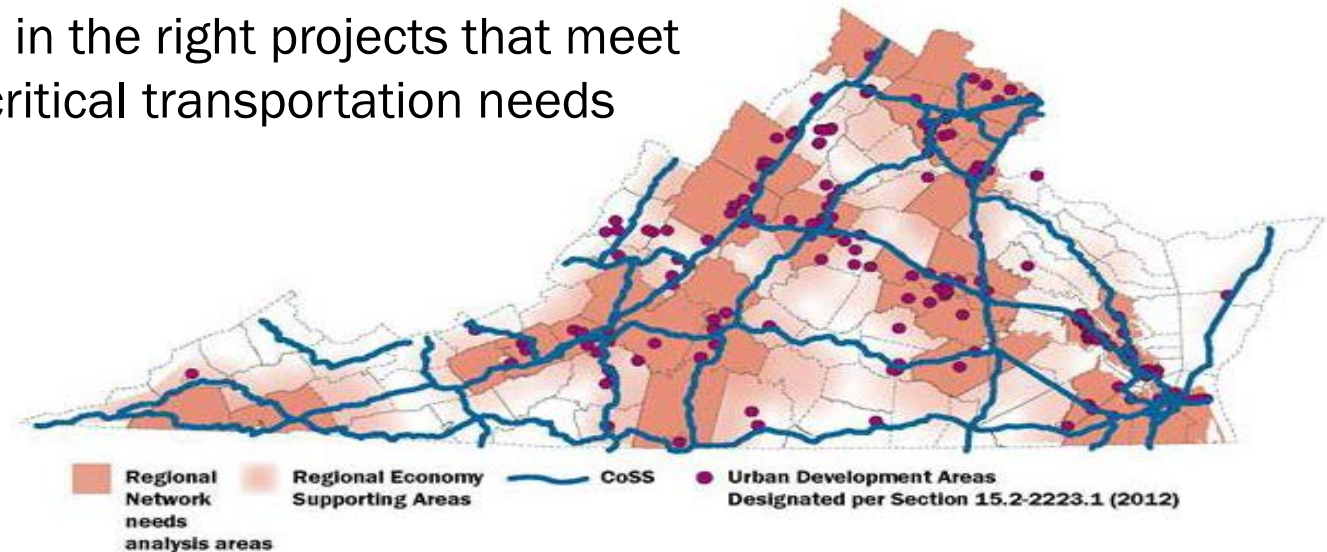
## Virginia Uses Performance Based Planning to Select Projects for Funding

- Plans / Funding Programs
  - VTRANS (State Plan) >>> Smart Scale, State and Federal Funds
  - TransAction (NVTA Regional Plan) >>> Six Year Plan
- Other Major Sources:
  - Local Government Capital Improvements Programs
  - Proffers: infrastructure funded by developers
  - CMAQ, RSTP, HSIP
  - Toll revenues
  - Private funds from HOT lanes concessionaires
  - WMATA agreement



# Project Selection & Funding in Virginia

- Commonwealth Six Year Improvement Program
  - Summarizes planned expenditures for VDOT and DRPT
  - Updated annually; two public meetings a year to get preliminary input on projects and to comment on final draft plan
- Smart Scale is about investing limited tax dollars in the right projects that meet the most critical transportation needs



# Project Selection & Funding in Virginia

- **Smart Scale** was established by Virginia General Assembly in 2014
- Process used to prioritize projects for Virginia's Six Year Program (SYIP)
- Number of applications evaluated (statewide):
  - FY 17 - 287 applications
  - FY 18 - 404 applications

Fiscal Year	Total Funding	NoVA Projects	NoVA Funding
FY 2017	\$1.42 billion	18	\$223 million
FY 2018	\$1.03 billion	21	\$367 million
FY 2020	≈ \$0.8 billion		

- Final application due date August 1, 2018
- New funding will be added to FY 24 and FY 25 in the FY 2020-2025 Six Year Program





# Project Selection & Funding in Virginia

- **Smart Scale** uses Objective Quantitative Performance Scoring to Allocate Transportation Funding
  - (Category A- Large Urban Districts)

Factor	Weight
Congestion Mitigation	45%
Land Use	20%
Accessibility	15%
Environmental Quality	10%
Safety	5%
Economic Development	5%

- More information available at [www.vasmartscale.org](http://www.vasmartscale.org)



# METRO RAIL AND METROBUS

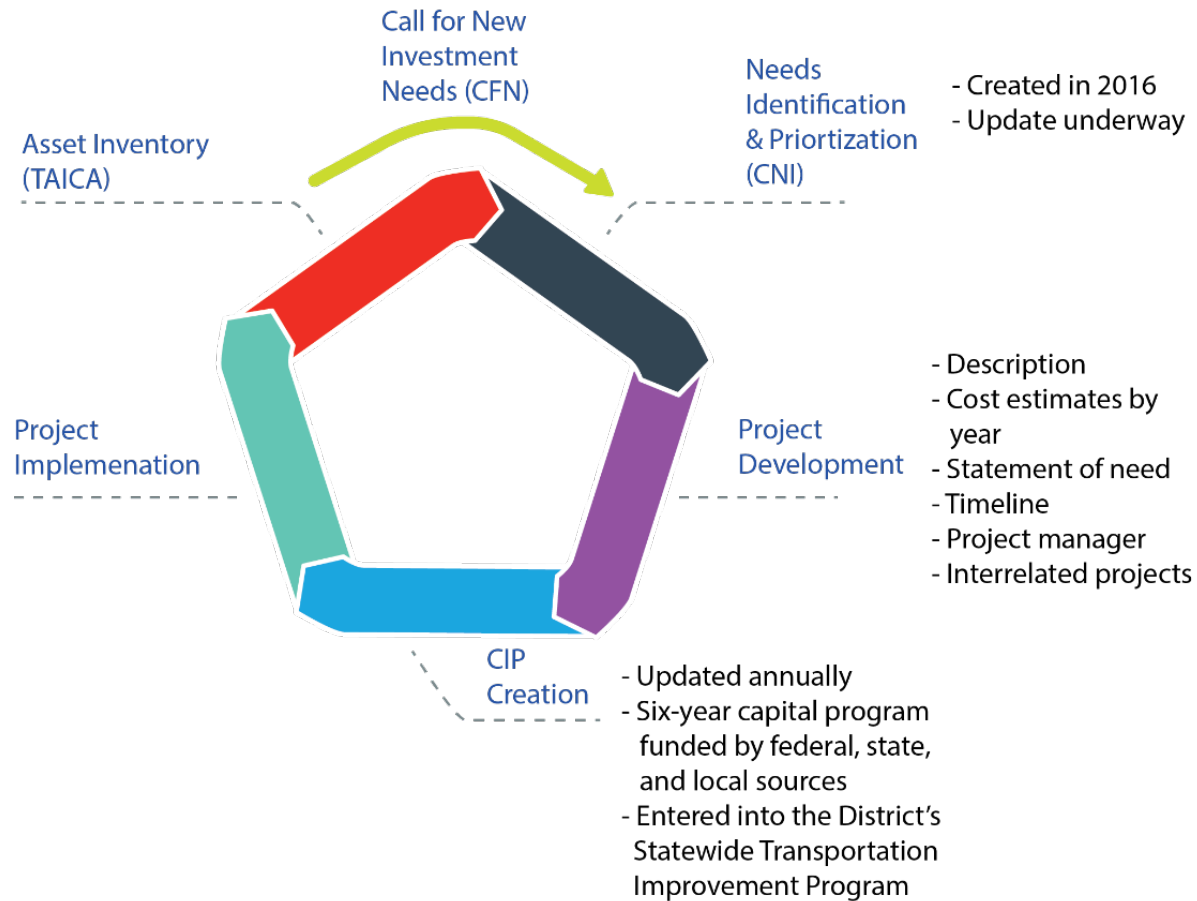
## Project Funding, Selection, and Prioritization

Allison Davis

Washington Metropolitan Area Transit Authority



# Project Selection & Funding for WMATA



# Project Selection & Funding for WMATA

## **FY 19 Capital Budget and FY 2019-2024 CIP**

- Approved March 2018
- Included in TPB's FY 2017-2022 TIP as amended, and draft FY 2019-2024 TIP
- Virginia dedicated funding begins

## **FY 20 Capital Budget and FY 2020-2025 CIP**

- General Manager's draft budget will be submitted to WMATA Board in December 2018
- Public hearing and outreach opportunities January – February 2019
- Will be submitted to TPB as an amendment to the FY 2019-2024 TIP in Spring 2019
- District and Maryland dedicated funding begins



# Performance-Based Planning & Programming

- Performance-Based Planning and Programming (PBPP)
  - Introduced as law for DOTs and MPOs under MAP-21 and continued under the FAST Act
  - Improved outcomes: investment decision making, return on investments, system performance, accountability and transparency
  - Demonstrates link between funding and performance
  - Cooperation/coordination between DOTs and MPOs
  - Documentation and feedback mechanisms
  - Public and stakeholder involvement



# Performance-Based Planning & Programming

## Performance Measures

- FY 2019-2024 TIP will serve as a baseline for the following performance measures:
  - Safety
    - Highway – Traffic fatalities, serious injuries
    - Transit – Fatalities and injuries, derailments, collisions, fires, evacuations
  - Infrastructure (Asset) Condition
    - Highway – Pavement and bridges
    - Transit - Revenue vehicles, non-revenue equipment, track infrastructure, and facilities/stations



# Performance-Based Planning & Programming

## Performance Measures (continued)

- Congestion Reduction
  - Highway – Excessive delay per capita, percent non-SOV travel, Infrastructure (Asset) Condition
- System Reliability
  - Highway – Reliable travel times
  - Transit – Major/other mechanical system failures
- Freight Movement and Economic Vitality
  - Highway – Reliable truck travel times
- Environmental Sustainability
  - Highway – Percent change in tailpipe CO<sub>2</sub> emissions, CMAQ program emissions reduced



# Next Steps for the FY 2019-2024 TIP

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- Release for 30-day public comment period along with Visualize 2045 September 7 – October 7
- Approval by TPB on October 17, 2018
- Amended as requested by DDOT, MDOT, VDOT and WMATA





# Question & Answer Session

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