



# Overview of the 2023-2026 Transportation Improvement Program and Associated Air Quality Conformity

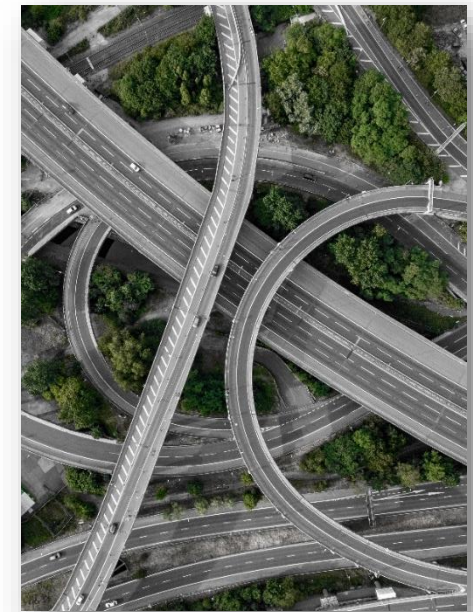
Resolution #23-2

August 10, 2022



# Overview of the 2023-2026 TIP

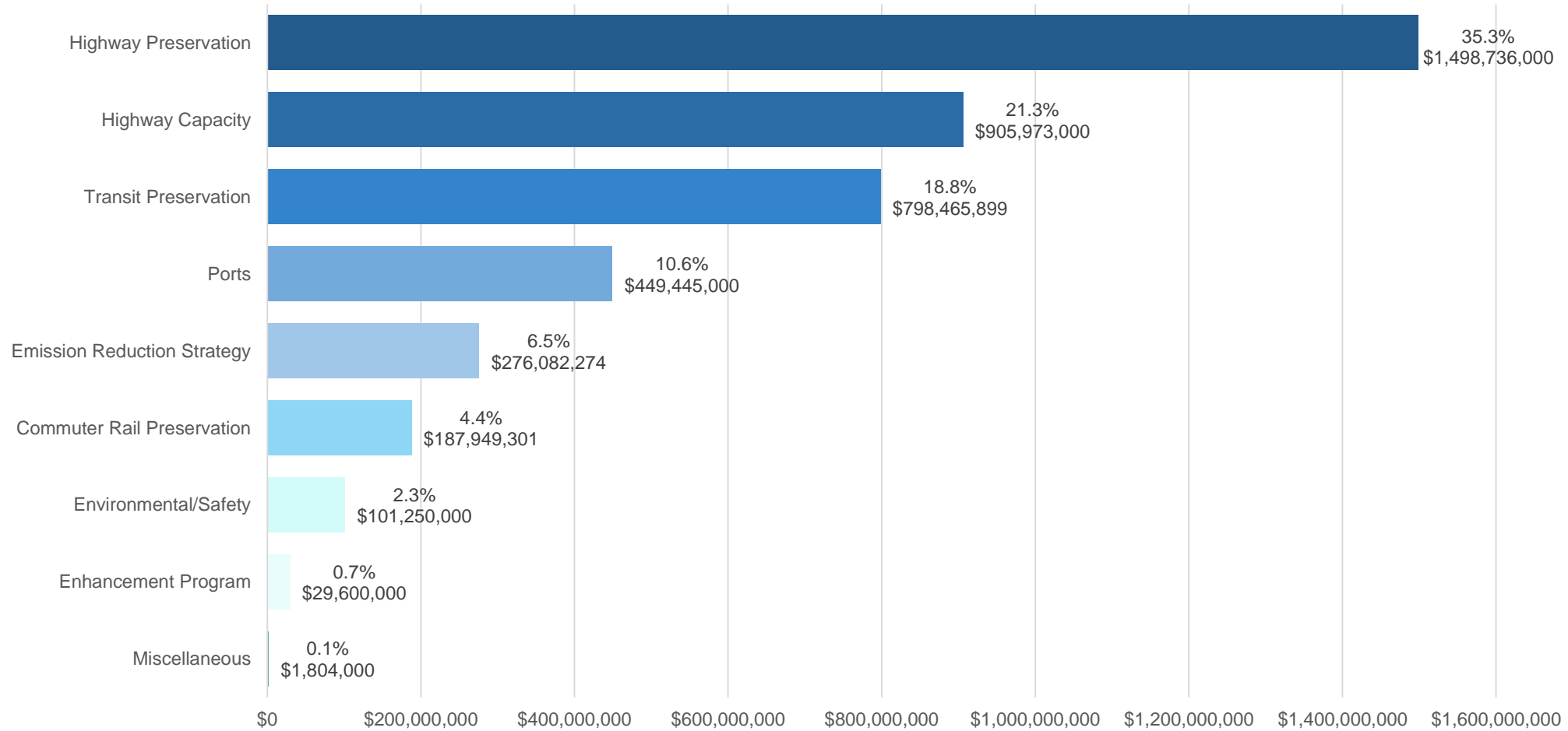
- **131 federally-funded and regionally significant projects**
  - 7 are new projects (6 Exempt, 1 Not Exempt)
- **\$4.25 billion in proposed federal, state, local, and toll funds**
  - \$2.59 billion federal; \$1.66 billion state/local
  - highway, transit, bicycle and pedestrian projects
  - maintaining, operating and expanding the transportation system
- **Projects support long-range transportation goals**
  - for example: accessibility, safety, and prosperity.
- **Funding limited**
  - Programmed funds cannot exceed what is reasonably expected to be available from local, state, and federal sources



# Funding in the 2023-2026 TIP



# Funding in the 2023-2026 TIP

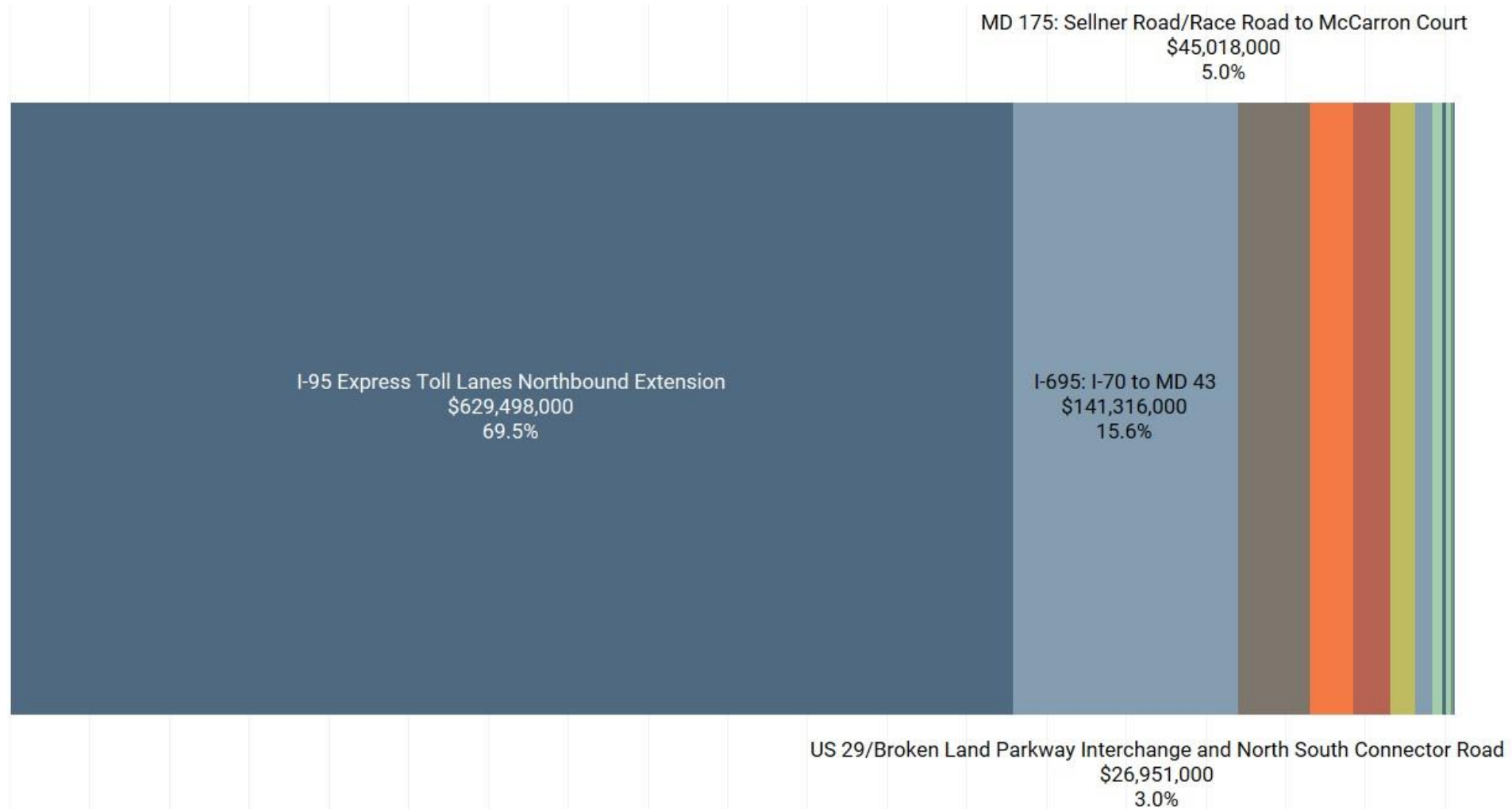


# Breakdown of Highway Preservation Funds

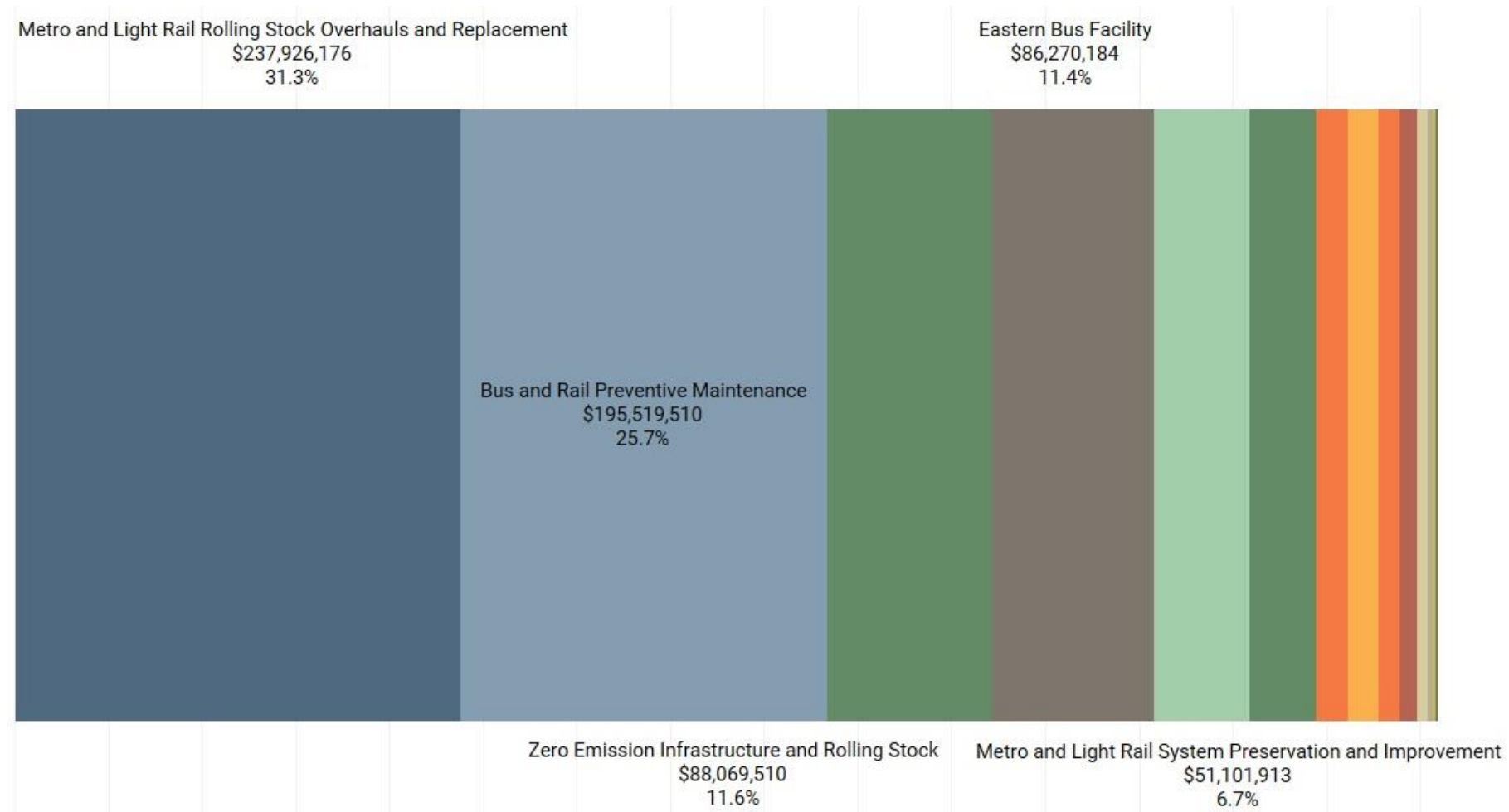


Road Reconstruction  
\$145,466,000  
Reconstruction of I-695/I-70  
interchange accounts for 99.4%

# Breakdown of Highway Capacity Funds



# Breakdown of Transit Preservation Funds



# 2023-2026 TIP Public Involvement and MDOT MTA Program of Projects

FTA Fund Source	FY2023-FY2026 Federal	FY2023-FY2026 Matching	FY2023-FY2026 Total
5307C: Capital requests in urbanized areas including bus purchases, replacements, and preventive maintenance	\$387,584,153	\$96,894,687	\$484,478,840
5307O: Operating assistance in urbanized areas	\$9,760,000	\$9,760,000	\$19,520,000
5310: Mobility of seniors and individuals with disabilities	\$6,740,000	\$2,620,000	\$9,360,000
5311O: Operating assistance in nonurbanized areas	\$714,000	\$714,000	\$1,428,000
5337: State of Good Repair funds including preventive maintenance and MARC improvements	\$228,671,047	\$57,167,763	\$285,838,810
5339C: Low or no Emission Vehicle Discretionary Grants	\$340,325	\$85,081	\$425,406
5339F: Bus and Bus Facilities Formula funds	\$28,780,738	\$7,088,084	\$35,868,822
CMAQ: Congestion Mitigation and Air Quality	\$174,005,000	\$43,000,002	\$217,005,002
<b>Totals</b>	<b>\$836,595,263</b>	<b>\$217,329,617</b>	<b>\$1,053,924,880</b>



# Performance-Based Planning and Programming in the TIP

- Established in MAP-21; Strengthened in FAST Act
- Intent: Gauge progress relative to regionally established goals and strategies, guide future system preservation activities
- **Federal Requirements: MPOs must adopt a series of 25 performance measures and targets**
  - Measures and targets cover transit asset management, transit safety, highway safety, traffic congestion, on-road mobile source emissions, pavement and bridge condition, and travel time reliability
  - Performance measure: Specific metrics the region can use to assess progress towards a goal (e.g. Decrease number of highway fatalities)
  - Performance target: Specific levels to be reached (e.g. Decrease highway fatalities to 121 by 2030)
  - BRTB coordinated with the state on target selection

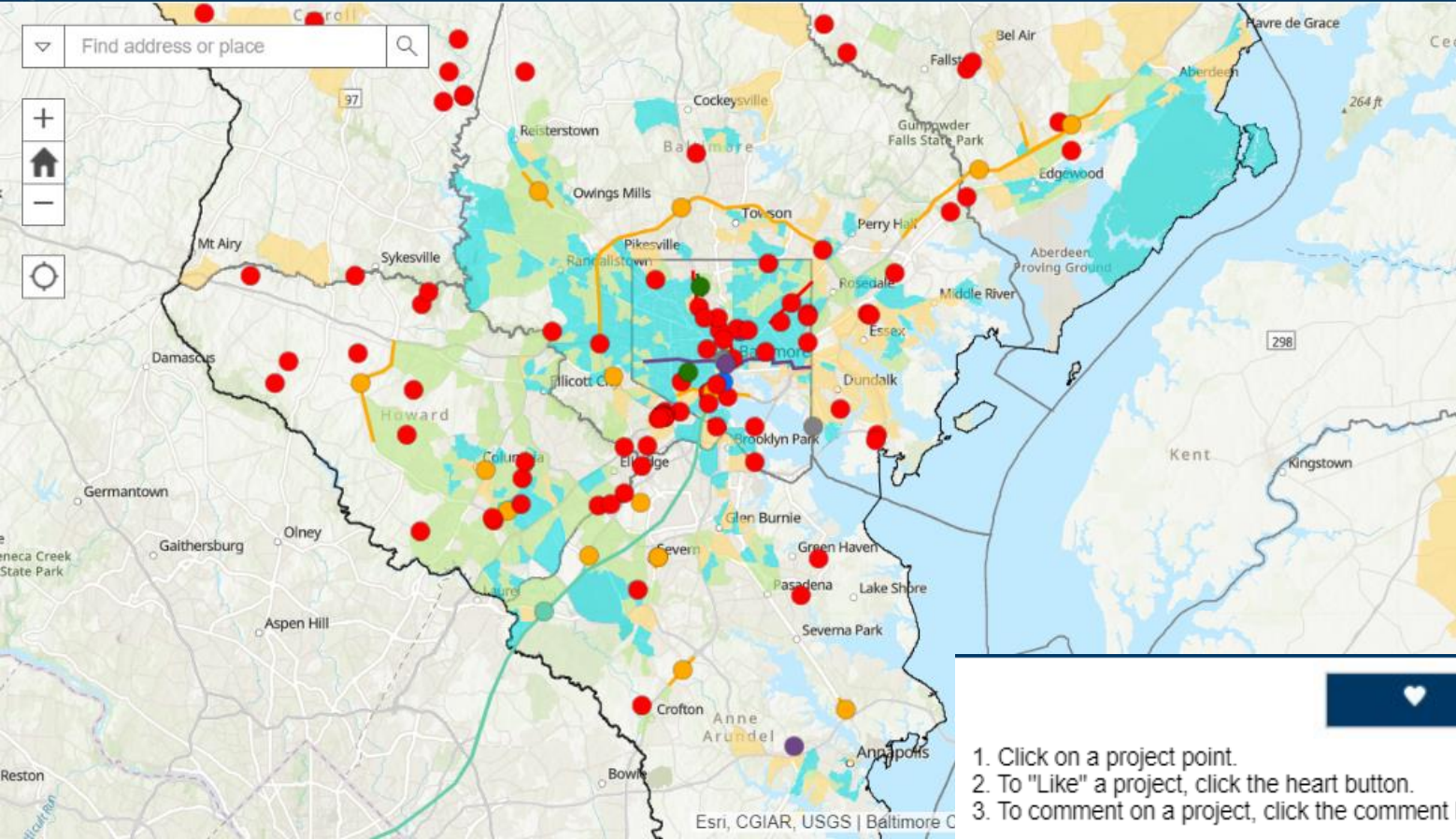
Table 7. 2023-2026 TIP Projects Related to Transit Asset Management

Project	TAM Target	Federal	Matching	Total TIP Funds
MARC Rolling Stock Overhauls and Replacement	Vehicles	\$32,548	\$8,135	\$40,683
Bus and Paratransit Vehicle Overhaul and Replacement	Vehicles	\$100,962	\$25,235	\$126,197
Metro and Light Rail Rolling Stock Overhauls and Replacement	Vehicles	\$190,337	\$47,582	\$237,919

# Project Highlights

- Anne Arundel County: Multimodal Transportation Center in Parole
- ***Baltimore City: RAISE Transit Priority Project (formerly East-West Bus Corridor)***
- Howard County: Snowden River Parkway from Broken Land Parkway to Oakland Mills Road
- MDOT SHA: I-695 from I-70 to MD 43 and Reconstruction of Interchange at I-70
- Maryland Port Administration: Howard Street Tunnel
- Port of Baltimore Rail Capacity Modernization Project
- ***MDTA: Baltimore Harbor Tunnel Toll Plaza & Interchange Improvements***
- ***Eastern Bus Facility***

# Interactive Mapping Features



Find address or place

Filter list by map

Baltimore County: Hammonds Ferry Ro...	0	♥
Baltimore County: Mohrs Lane Bridge ...	0	♥
Baltimore County: Dogwood Road Brid...	0	♥
Carroll County: Patapsco Road Bridge ...	0	♥
Carroll County: McKinstrys Mill Road o...	0	♥
Carroll County: Brown Road Culvert ov...	0	♥
Carroll County: Old Kays Mill Road Cul...	0	♥
Carroll County: Gaither Road Bridge ov...	0	♥
Carroll County: McKinstrys Mill Road B...	0	♥

1. Click on a project point.  
2. To "Like" a project, click the heart button.  
3. To comment on a project, click the comment button.

Your name and contact information will be kept confidential.

# Changes made/to be made to the Draft 2023-2026 TIP

- Updated one map on TIP Sheet for Port of Baltimore Project
- Baltimore City removed one bridge project
- Minor updates to several chapters
  - Table of Contents
  - I.B – Updated Self Certification & Resolution information
  - II.A – Updated from future tense to current
  - II.B – Updated public involvement section
- Minor updates to Appendices
  - Appendix B – Updated MDOT Financial Reasonableness
  - Appendix C – Self Certification
  - Appendix G – Public Participation
  - Appendix H – Added Full Resolution



# Air Quality Conformity

- Ensures the Plan and TIP do not worsen air quality in the region, or delay the attainment of national ambient air quality standards (NAAQS).
- Requires that transportation emissions do not exceed motor vehicle emission “budgets” in the state air quality implementation plan (SIP).
- Ties together transportation planning and air quality planning.



# Air Quality Conformity

- Currently the Baltimore region is in nonattainment for the 2008 and 2015 ozone standards.
- Regional Emissions Analysis: Models transportation emissions of nitrogen oxides (NO<sub>x</sub>) and volatile organic compounds (VOC's) expected from onroad mobile vehicles, ie. cars, trucks, buses, motorcycles, in addition to idling trucks.
- Models emissions in particular "horizon" years assuming existing road and transit network, in addition to TIP and Plan projects.
- All modeled horizon years (2025, 2035, 2045) show emissions will be below SIP "budgets."

# Conformity Process ICG Milestones

- Methodology Letter (Which pollutants, emissions model, model run years) developed by the ICG and sent to federal review agencies.
- Determine conformity status, either exempt/non-exempt/regionally significant (project-by-project)
- BMC and MDE run EPA-developed emissions model. MDE supplies the official results.
- Approve regional emissions analysis results for public review.
- The draft document and results are out for public review.
- Looking to the ICG/TC to recommend approval of conformity document

# Public Comment Period

- Comment Period: June 29 through August 1, 2022
- One virtual public meeting
- Comments from individuals and organizations
  - 11 through email and PublicInput
  - 19 through the interactive map
  - 55 “likes” for projects on the interactive map
- Majority of comments supported modification of the TIP to:
  - Reduce highway capacity expenditures
  - Invest more in transit, particularly in transit capacity for transit-reliant populations
  - Support local bicycle and pedestrian improvements





# For More Information

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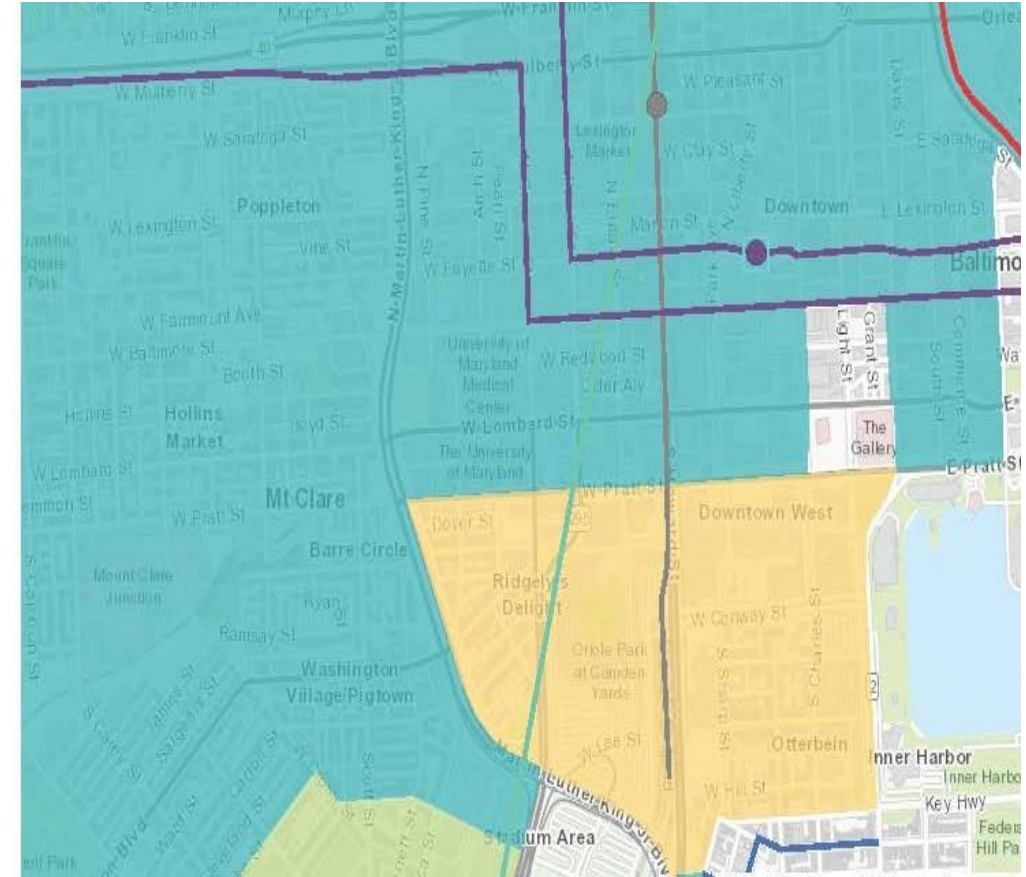
# Project Highlights

- **Anne Arundel County: Multi-modal Transportation Center in Parole**
  - Will serve existing local and regional bus service, with possible future connectivity to modes such as bikeshare, carshare, and ridehailing services
  - Location at the Westfield Annapolis Mall
  - TIP Funding: \$15.5 million in local funds
  - Year of Operation: 2025



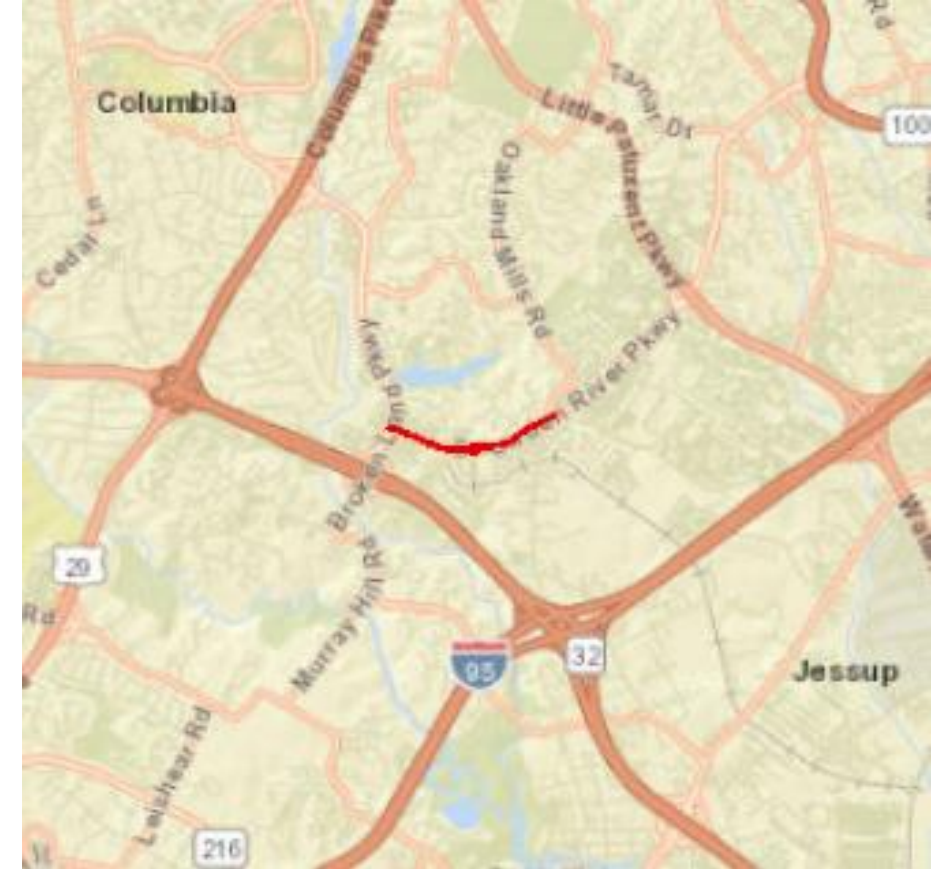
# Project Highlights

- **Baltimore City: RAISE Transit Priority Project (formerly East-West Bus Corridor)**
  - Suite of investments that will facilitate more efficient transit trips, improve multi-modal connections, and address existing safety issues
  - Applies strategies from the Transit Priority Toolkit to directly addresses existing challenges in the corridor, offering near-term investments to better connect people to jobs, education, amenities, and leisure activities
  - Year of Operation: 2025
  - TIP Funding: \$50 million
  - \$ 22 million federal, \$28 million matching funds



# Project Highlights

- **Howard County: Snowden River Parkway from Broken Land Parkway to Oakland Mills Road**
  - Adds a third lane in each direction
  - Adds 10-foot wide shared-use paths from Brokenland Parkway to Oakland Mills Road to increase transportation alternatives to activity centers and public transit.
  - TIP Funding: \$24 million with all local funds
  - Year of Operation: 2025





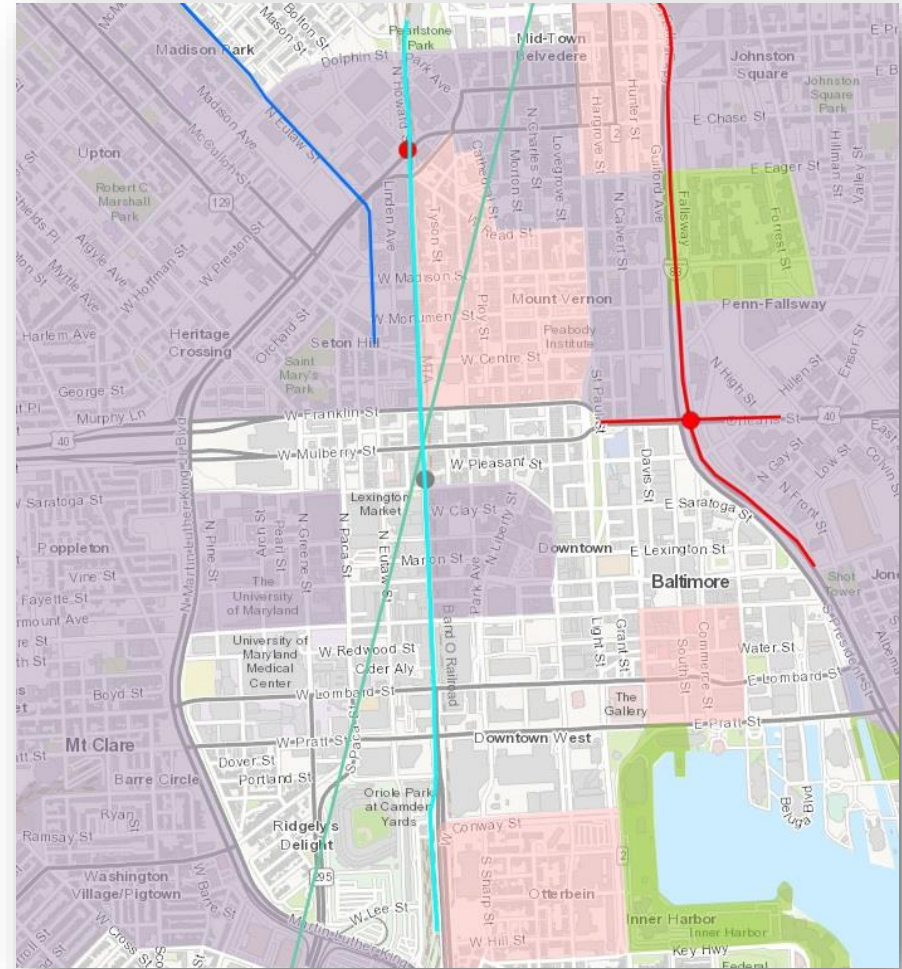
# Project Highlights

- **MDOT SHA: Expansion of the Baltimore Beltway (I-695)**
  - Reconstruction of Interchange at I-70
    - Originally part of the I-70 to MD 43 project
    - Design Build: Will eliminate the existing triple bridge configuration
    - TIP Funding: \$203 million with nearly all funding provided by toll credits
    - Year of Operation: 2027



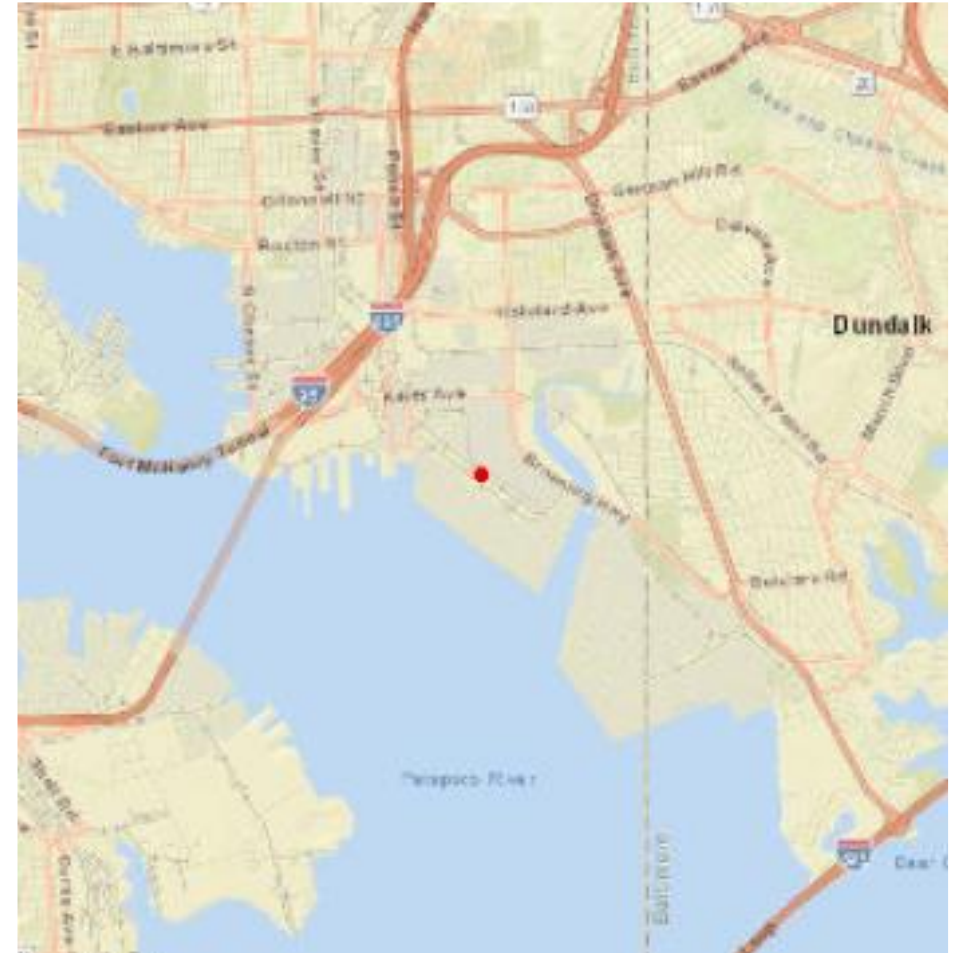
# Project Highlights

- **Maryland Port Administration: Howard Street Tunnel**
  - Leverages federal discretionary grant funding to reconstruct the 125-year-old Howard Street Tunnel in order to create double-stack rail access to and from the Port of Baltimore
  - Funding:
    - \$125 million federal INFRA grant
    - \$202.5 million state funding
    - \$113 million in private funds from CSX
  - Year of Operation: 2025



# Project Highlights

- **Port of Baltimore Rail Capacity Modernization Project**
  - Construction of four new working tracks
    - 17,670 feet of new track
  - Two crane beam rails
    - 7,160 feet
  - Upgrades the Intermodal Container Transfer Facility
  - Improves safety, reduce emissions, and adds double stack capacity
  - This project compliments the Howard Street Tunnel project and will improve freight rail throughout the region





# Project Highlights

- **Maryland Transportation Authority: I-895/Baltimore Harbor Tunnel Plaza and Interchange Improvements Project**
  - Replace existing toll booths with overhead gantries
  - Two barrier separated mainlines of through traffic in each direction
  - Replaces bridges over Frankfurst and Childs Avenues
  - Will improve travel speeds, vehicular and employee safety & reduce emissions
  - \$102 million MDTA funding through toll revenues
  - Year of Operation: 2027





# Project Highlights

- **Eastern Bus Facility**
  - Redevelopment of existing facility as an electric bus division
  - Contains maintenance facilities, bus and employee parking
  - Battery electric bus charging infrastructure
  - Complies with Greenhouse Gas Reduction Act
    - Half of MTA's vehicles must be zero emission by 2030
  - Year of Operation: 2026
  - Estimated cost \$162,270,000

