



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

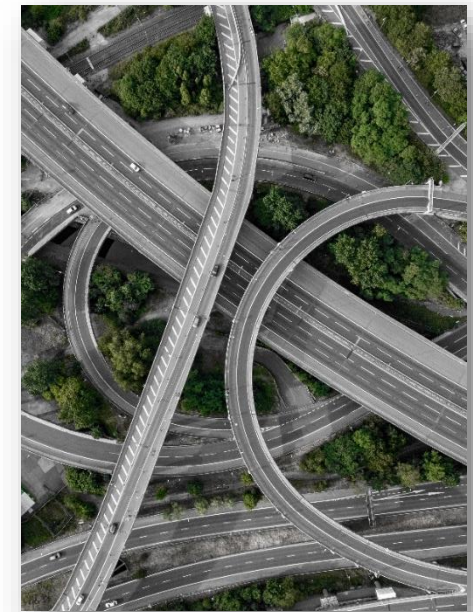
Resolution #23-2

August 23, 2022

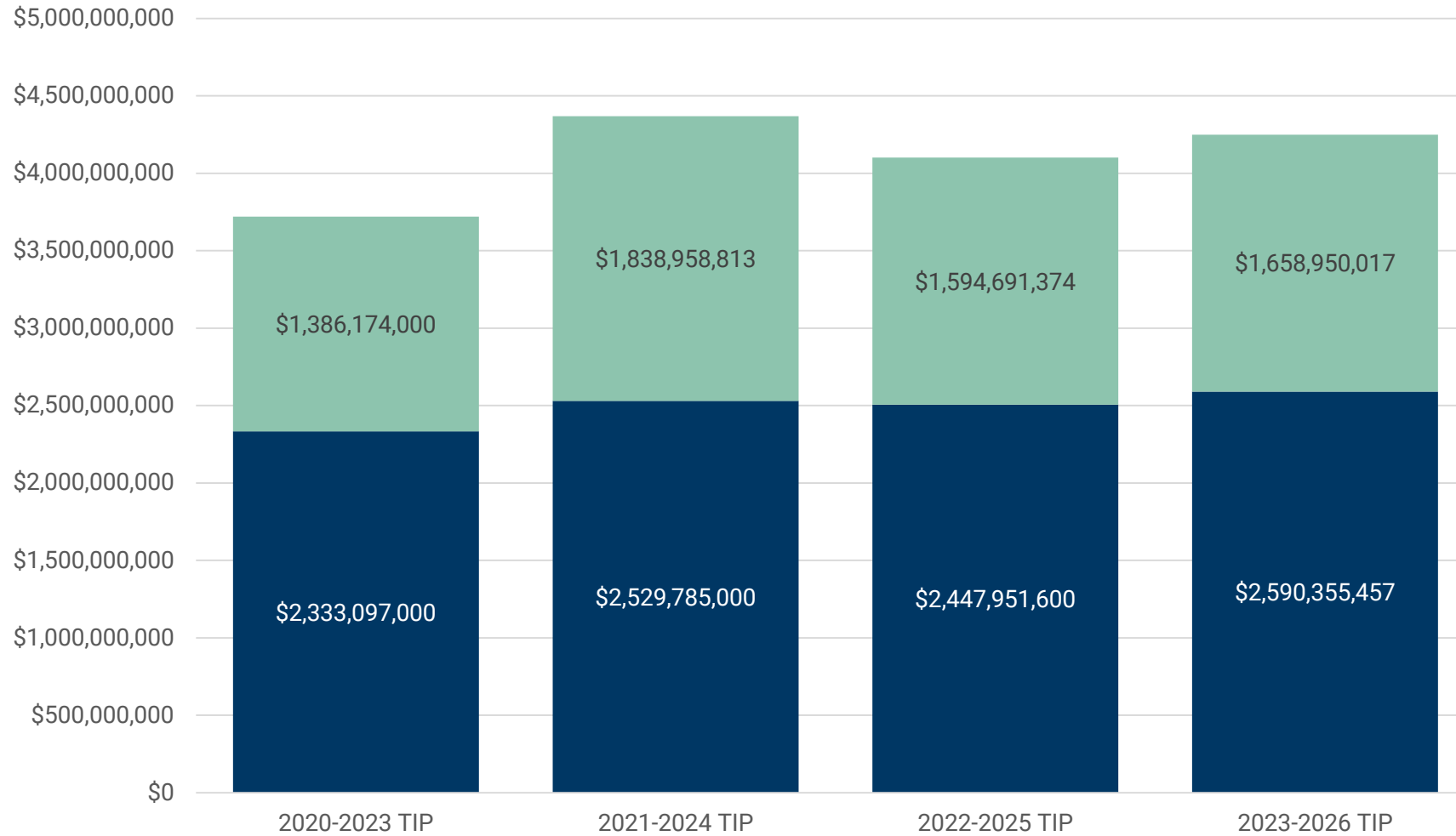


Overview of the 2023-2026 TIP

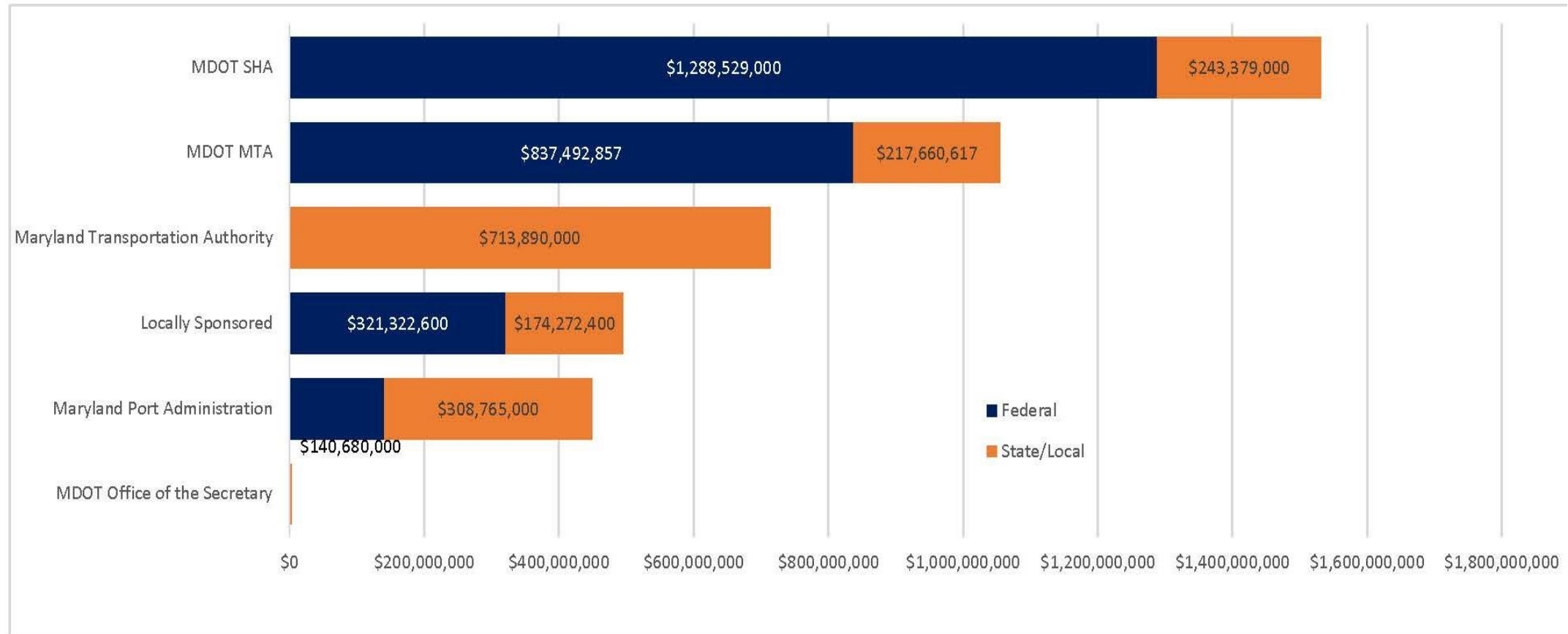
- **131 federally-funded and regionally significant projects**
 - 7 are new projects
- **\$4.25 billion in proposed federal, state, local, and toll funds**
 - \$2.59 billion federal; \$1.66 billion state/local
 - highway, transit, bicycle and pedestrian projects
 - maintaining, operating and expanding 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



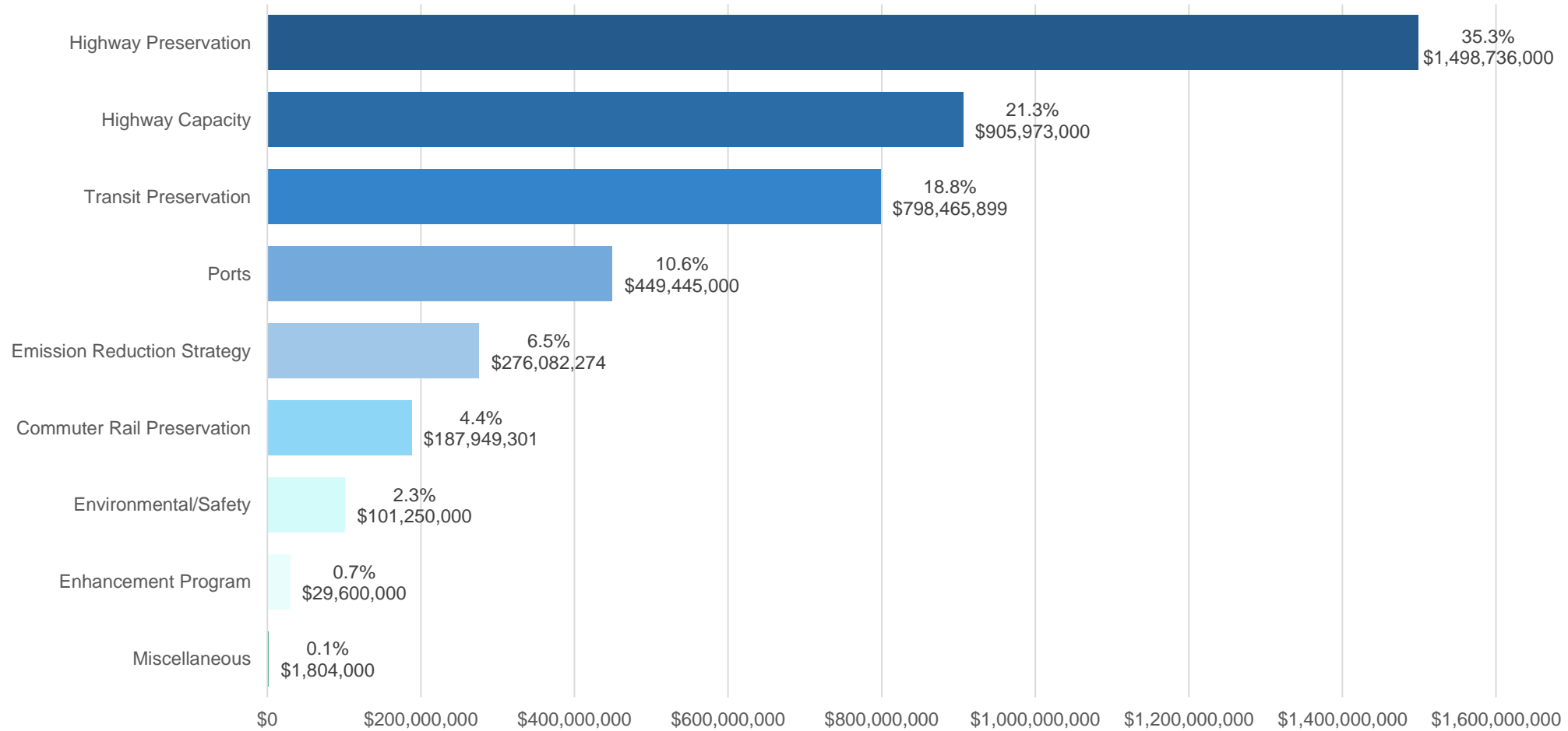
Funding in the 2023-2026 TIP



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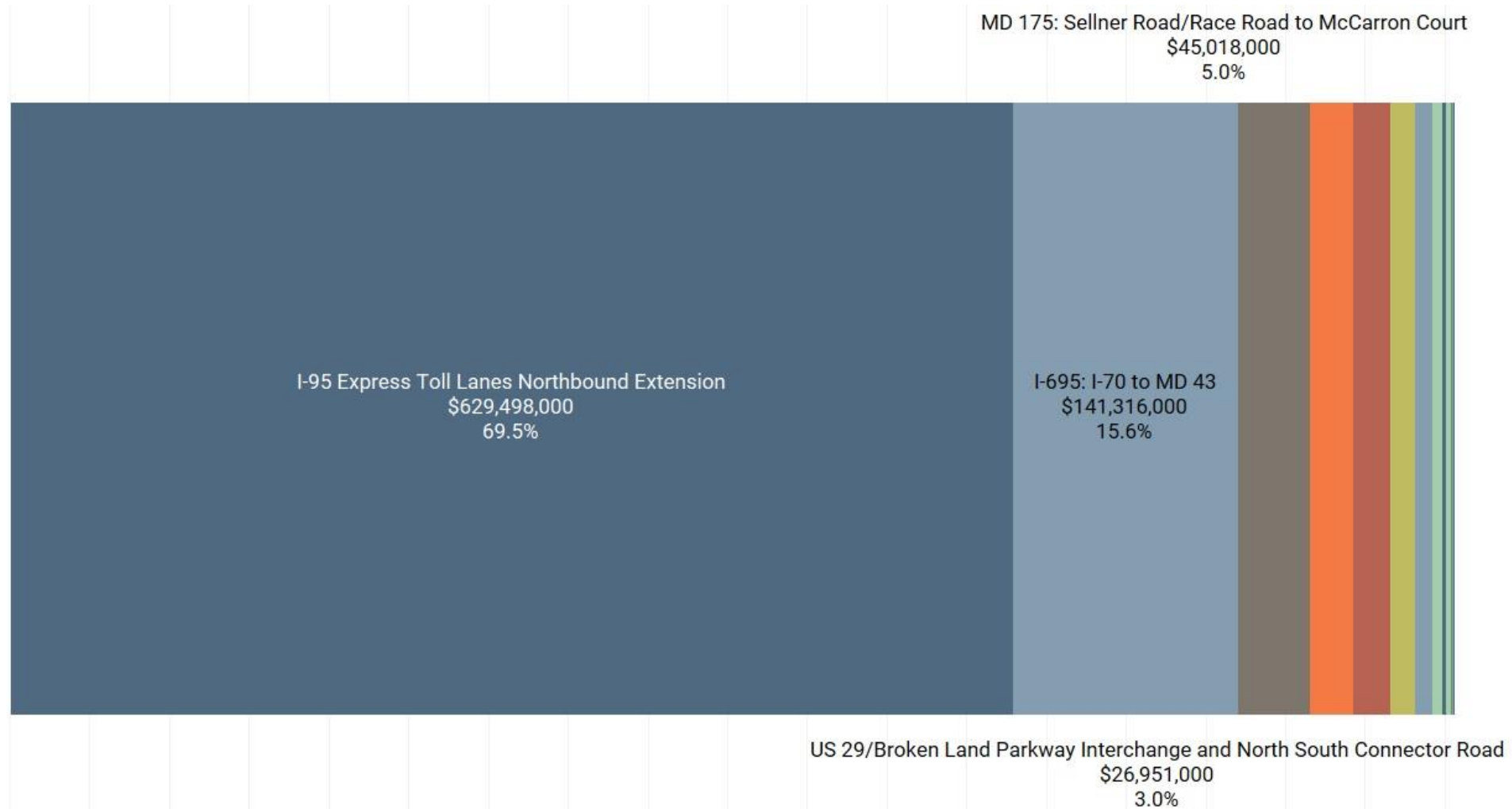
Breakdown of Highway Preservation Funds



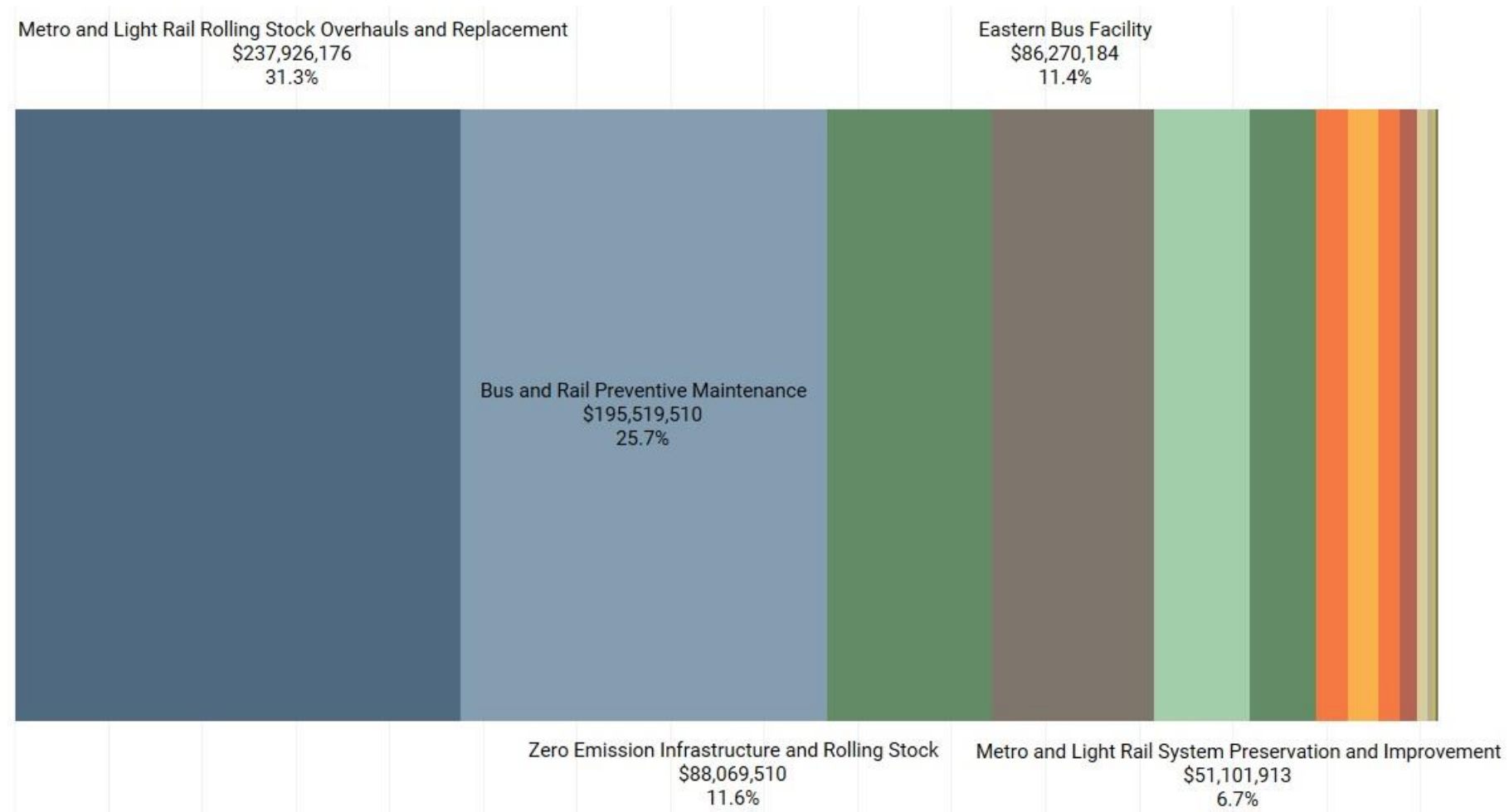
Road Reconstruction
\$145,466,000
Reconstruction of I-695/I-70
interchange accounts for 99.4%



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
Totals	\$836,595,263	\$217,329,617	\$1,053,924,880

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

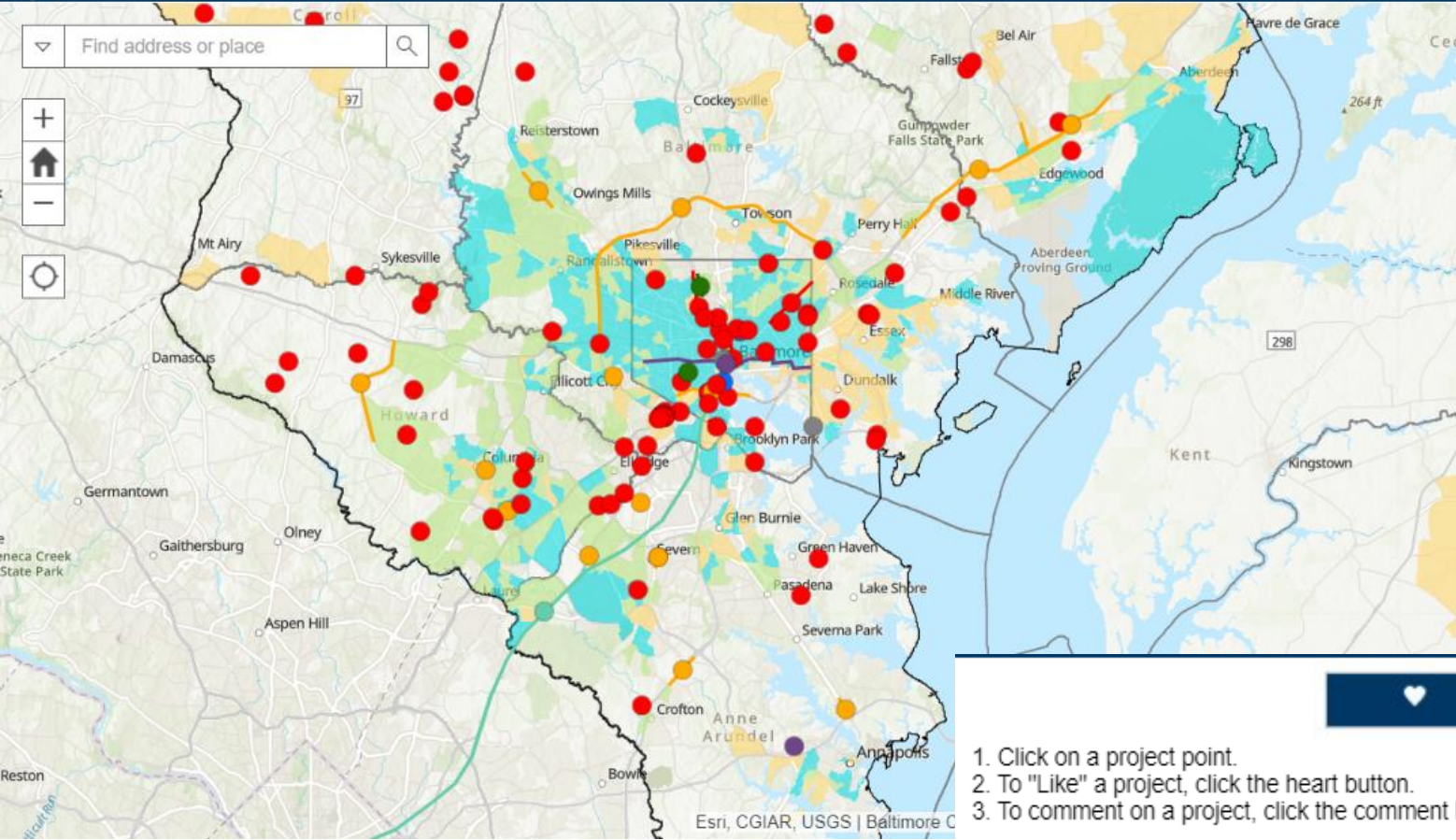
Table 7. 2023-2026 TIP Projects Related to Transit Asset Management

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
- MDTA: I-95 Northbound Expansion

Interactive Mapping Features



Map showing project locations in the Baltimore area. The map includes labels for various locations such as Mt Airy, Sykesville, Pikesville, Towson, Perry Hall, Edgewood, Aberdeen, Dundalk, Brooklyn Park, Glen Burnie, Green Haven, Pasadena, Lake Shore, Severna Park, Annapolis, and Bowin. The map also shows major roads like I-97 and I-298. A search bar at the top left allows users to find addresses or places. A filter list on the right side of the map shows a list of projects with their respective counts and heart icons.

Project Name	Count	Heart Icon
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_x) 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.
- Received ICG and TC approval of conformity document

Public Comment Period

- Comment Period: June 29 through August 1, 2022
- One virtual public meeting
- 38 comments from individuals and organizations
- Majority of comments supported modification of the TIP to:
 - (a) Reduce highway capacity expenditures
 - (b) Invest more in transit, particularly in transit capacity for transit-reliant populations
 - (c) Support local bicycle and pedestrian improvements



For More Information

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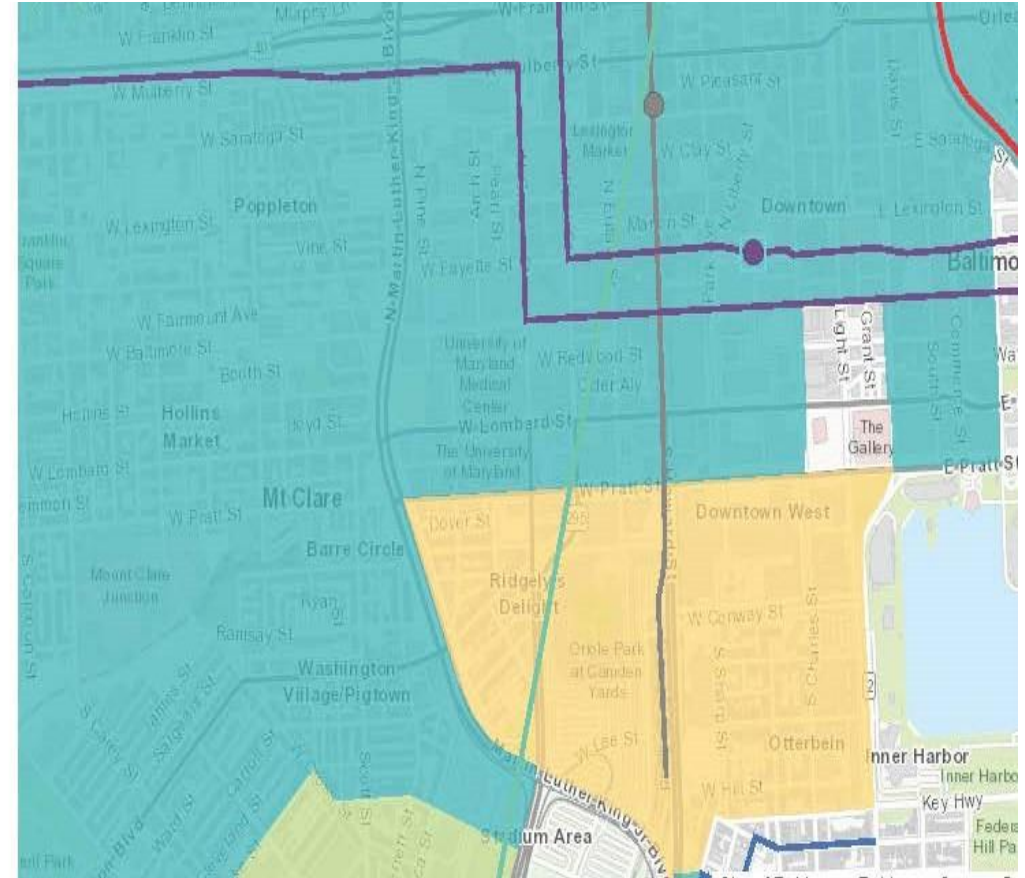
Project Highlights

- **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



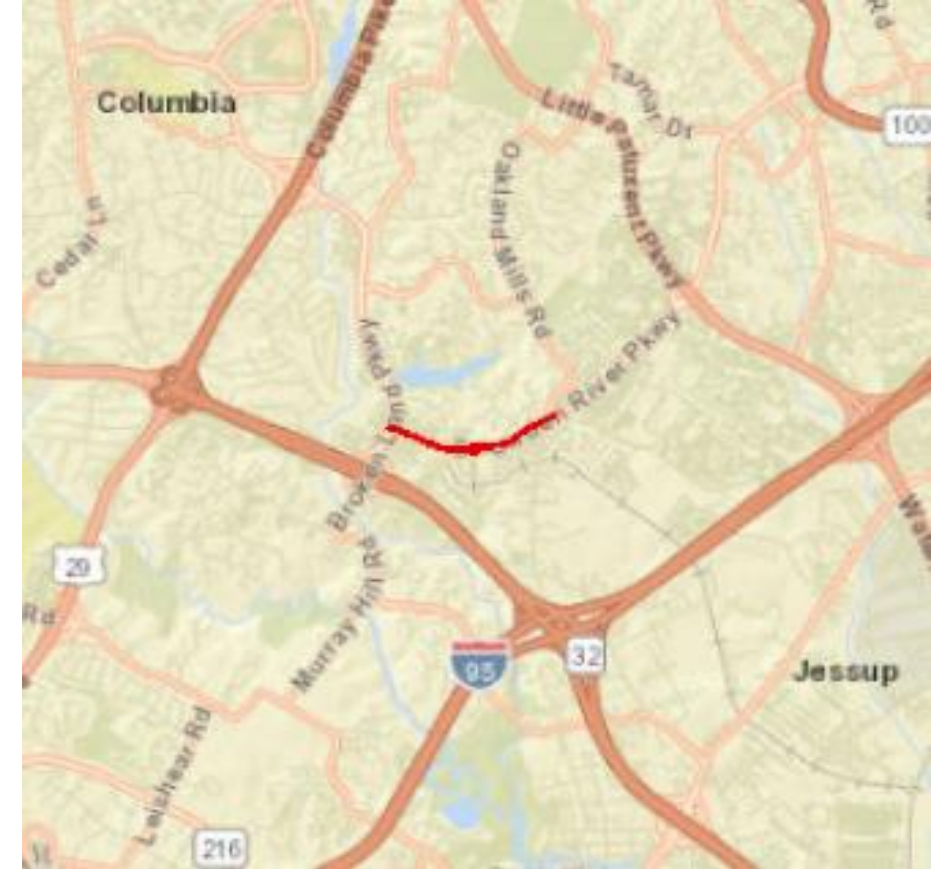
Project Highlights

- **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



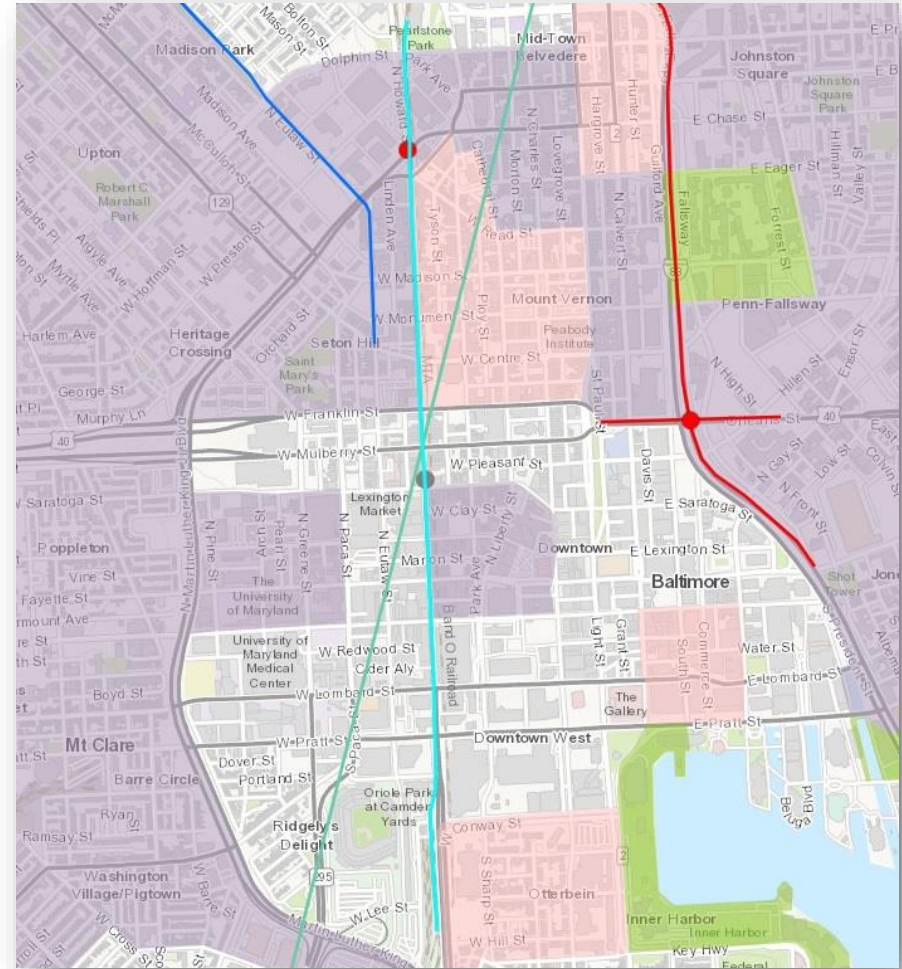
Project Highlights

- **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



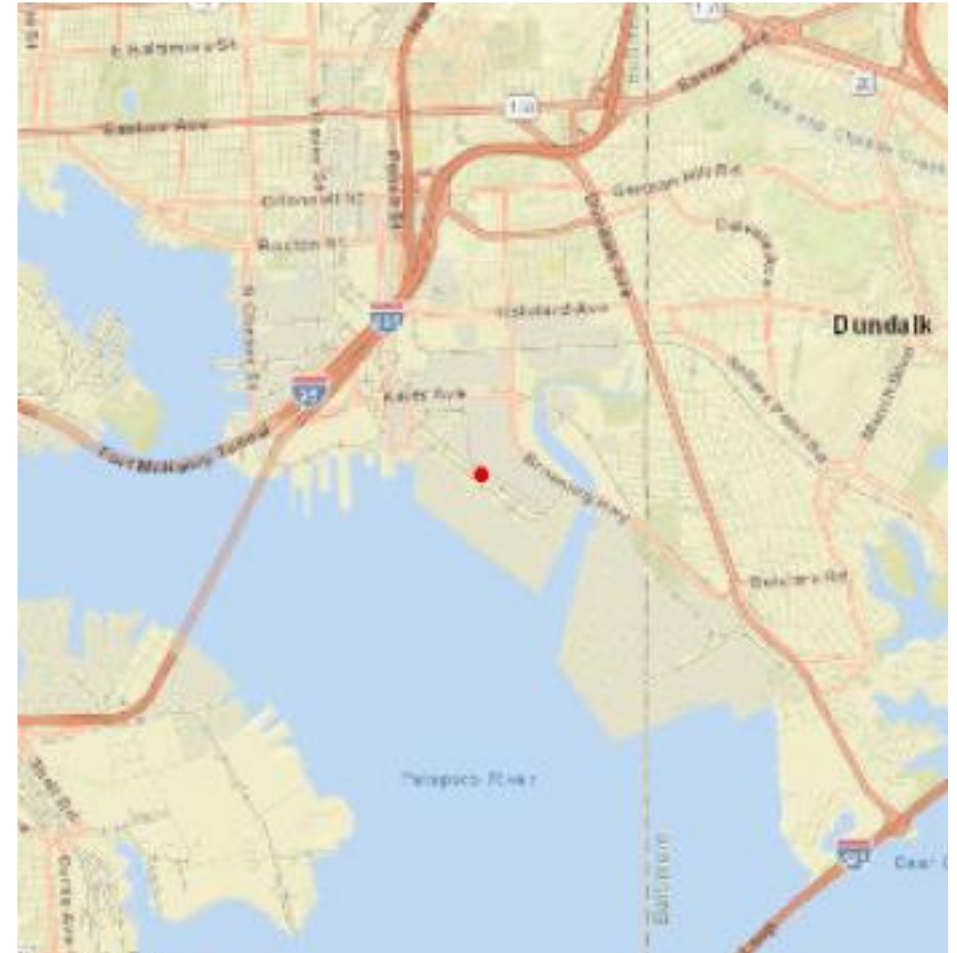
Project Highlights

- **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

- **Maryland Transportation Authority: I-95 Northbound Extension**
 - Two ETLs from north of MD 43 to north of MD 24 (11.25 miles)
 - Reconstruction of MD 152 and MD 24 interchanges
 - Widening MD 24 from two to three lanes from MD 924 to north of Singer Road (~1 mile)
 - Reconstruction of 5 overpasses over I-95
 - Construction of 5 noisewalls
 - Reconstruction of 5 overpasses
 - TIP Funding: \$629.5 million in MDTA Toll Revenues
 - Year of Operation: 2027

