Overview of the Draft 2021-2024 TIP

• 140 federally-funded and regionally significant projects
  – 24 are new projects

• $4.26 billion in proposed federal, state and local money
  – $2.46 billion federal; $1.8 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
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 (BRTB adoption pending MDOT state targets), 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>
<thead>
<tr>
<th>Project</th>
<th>TAM Target</th>
<th>Federal</th>
<th>Matching</th>
<th>Total TIP Funds</th>
</tr>
</thead>
<tbody>
<tr>
<td>MARC Rolling Stock Overhauls and Replacement</td>
<td>Vehicles</td>
<td>$18,876</td>
<td>$4,719</td>
<td>$23,595</td>
</tr>
<tr>
<td>Bus and Paratransit Vehicle Overhaul and Replacement</td>
<td>Vehicles</td>
<td>$174,141</td>
<td>$43,537</td>
<td>$217,678</td>
</tr>
<tr>
<td>Metro and Light Rail Rolling Stock Overhauls and Replacement</td>
<td>Vehicles</td>
<td>$196,532</td>
<td>$49,135</td>
<td>$245,667</td>
</tr>
</tbody>
</table>
Funding in the Draft 2021-2024 TIP

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Federal</th>
<th>State/Local</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018-2021 TIP</td>
<td>$2,341,601,000</td>
<td>$996,738,240</td>
</tr>
<tr>
<td>2019-2022 TIP</td>
<td>$2,249,292,000</td>
<td>$1,637,836,495</td>
</tr>
<tr>
<td>2020-2023 TIP</td>
<td>$2,331,289,000</td>
<td>$1,385,722,000</td>
</tr>
<tr>
<td>2021-2024 TIP</td>
<td>$2,457,580,000</td>
<td>$1,798,038,813</td>
</tr>
</tbody>
</table>
Funding in the Draft 2021-2024 TIP

- Largest sources of funding increase from the 2020-2023 TIP
  - Federal
    - MDOT MTA increase from $772 million to $902 million attributed primarily to playing catchup on grant execution
    - Maryland Ports Administration receipt of a ~$125 million federal discretionary INFRA grant for the Howard Street Tunnel
  - State/Local
    - $303 million in matching funds for the Howard Street Tunnel from CSX and the State
    - $775 million in funds for MDTA’s I-95 Northbound Extension project ($556 million in 2020-2023 TIP)
Funding in the Draft 2021-2024 TIP

- MDOT SHA: $1,224,999,000, $270,134,000
- MDOT MTA: $902,499,000, $233,887,000
- Maryland Transportation Authority: $800,987,813
- Maryland Port Administration: $318,353,000
- Locally Sponsored: $190,927,000, $173,127,000
- MDOT Office of the Secretary

[Graph showing funding allocations with State/Local and Federal funding for each category]
Funding in the Draft 2021-2024 TIP

- **Highway Capacity**: 30.7% ($1,305,524,813)
- **Highway Preservation**: 25.4% ($1,082,398,000)
- **Transit Preservation**: 15.8% ($671,417,000)
- **Ports**: 10.6% ($482,908,000)
- **Emission Reduction Strategy**: 8.3% ($353,024,000)
- **Commuter Rail Preservation**: 5.5% ($233,157,000)
- **Environmental/Safety**: 2.7% ($114,690,000)
- **Enhancement Program**: 0.8% ($32,000,000)
- **Miscellaneous**: 0.2% ($8,435,000)
- **Transit Capacity**: 0.0% ($2,065,000)
Breakdown of Highway Capacity Funds

MD 32: Linden Church Road to I-70
$64,937,000
5.0%

MD 175: National Business Parkway to McCarron Court
$53,856,000
4.1%

I-95 Express Toll Lanes Northbound Extension
$74,752,000
59.3%

I-695: I-70 to MD 43
$253,545,000
19.4%
Breakdown of Highway Preservation Funds

- **$458,434,000**  
  42.4%  
  Road resurfacing/rehabilitation

- **$405,348,000**  
  37.4%  
  Bridge repair/deck replacement

- **$206,724,000**  
  19.1%  
  Other

MDOT SHA Areawide Safety and Spot accounts for $188.8 million, or 91.3%, of “Other” type projects.
# Breakdown of Transit Preservation Funds

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metro and Light Rail Rolling Stock Overhauls and Replacement</td>
<td>$285,915,000</td>
<td>42.6%</td>
</tr>
<tr>
<td>Bus and Rail Preventive Maintenance</td>
<td>$195,520,000</td>
<td>29.1%</td>
</tr>
<tr>
<td>Metro and Light Rail System Preservation and Improvement</td>
<td>$80,392,000</td>
<td>12.0%</td>
</tr>
</tbody>
</table>

**Total**: $661,847,000
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
  – Two potential locations: Westfield Annapolis Mall or the Harry S. Truman Park-&-Ride
  – TIP Funding: $14.175 million in local funds
  – Year of Operation: 2025
Project Highlights

**Baltimore City: Bicycle and Pedestrian Improvements**

1) Cycle track on Bush Street near Carroll Park
   - TIP Funding: $115,000 for construction (federal and match)
   - Year of Operation: 2023

2) Cycle track or buffered bike lanes on Eutaw Place near Druid Hill Park
   - TIP Funding: $230,000 for construction (federal and match)
   - Year of Operation: 2023

3) Middle Branch Phase 2 trail between Middle Branch Trail and Inner Harbor cycle track
   - TIP Funding: $1.907 million for construction (federal and match)
   - Year of Operation: 2025

4) Cycle track on Wolfe or Washington Street
   - TIP Funding: $400,000 for engineering and construction (federal and match)
   - Year of Operation: 2024
Project Highlights

- **MTA: Towson Circulator**
  - Funding to purchase vehicles and signage for a new fixed-route service in Towson
  - Baltimore County will operate the service
  - TIP Funding: $2.065 million from a federal discretionary grant and matching funds
  - Year of Operation: 2021
Project Highlights

• Howard County: Marriottsville Road and I-70 Bridge Improvements
  – Widens Marriottsville Road from two to four lanes between U.S. 40 and MD 99, including replacing the existing two lane bridge over I-70
  – The bridge will include 6’ bicycle lanes and ADA compliant sidewalks
  – TIP Funding: $21.205 million in primarily local funds (MDOT SHA is funding $830k in TMDL work)
  – Year of Operation: 2022
Project Highlights

- **MDOT SHA: Expansion of the Baltimore Beltway (I-695)**
  1) I-70 to MD 43
     - Conversion of the inside shoulder to create a new travel lane on the inner and outer loops, including adaptive ramp metering
     - Reconfiguration of the I-695 and I-70 interchange
     - TIP Funding: $253.545 million in federal funds (toll credits allow 100% federal funding)
     - Year of Operation: 2024
  2) U.S. 40 to MD 144
     - Widens the outer loop from three to four lanes
     - TIP Funding: $27.877 million for noise barrier construction ($131 million total cost)
     - Year of Operation: 2021; noise barrier construction continues through FY 2023
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:** 2024
Project Highlights

• Maryland Transportation Authority: I-95 Access to Port Covington
  – MDTA and Baltimore City collaborated on planning for changes to seven miles of I-95 and surrounding streets (Hanover, McComas, and Key Highway)
  – Continued planning funded by the developer
  – Funding:
    œ Project is seeking INFRA funding for construction
    œ MDTA has budgeted matching funds in FY 2024
  – Year of Operation: 2029
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
  – Widening of 3 bridges along I-95 NB
  – TIP Funding: $774.75 million in MDTA Toll Revenues
  – Year of Operation: 2026
Overview of the Air Quality Conformity

• Ground-level ozone levels in the Baltimore region are slightly higher than the federally allowable amount.
• The BRTB must conduct a conformity determination to analyze whether the transportation projects would worsen the regions air quality.
  – Passenger vehicle data, fuel data, and meteorological data from 2017 were used as input into the analysis as well as updated population, households and employment numbers.
• The Conformity analysis shows that projected emissions are well below the motor vehicle emission budgets set in the state implementation plan, or SIP.
How to Share Your Thoughts

- **Comment Period**: June 16 through July 17, 2020
- **Comments accepted by**
  - Interactive TIP project map featuring comment tool
  - Email: comments@baltometro.org
  - Mail: 1500 Whetstone Way, Suite 300 | Baltimore, MD 21230
  - Fax: 410-732-8248
  - Twitter: @BaltoMetroCo | @BmoreInvolved | #BRTBlistens

- **Learn more at a Virtual Public Meeting**
  - Thursday, July 9 at 6 p.m.
  - Tuesday, July 14 at 12:30 p.m.
New Interactive Mapping Features

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.
## 2021-2024 TIP Public Involvement and MDOT MTA Program of Projects

<table>
<thead>
<tr>
<th>FTA Fund Source</th>
<th>FY2021-FY2024 Federal</th>
<th>FY2021-FY2024 Matching</th>
<th>FY2021-FY2024 Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>5307C: Capital requests in urbanized areas including bus purchases, replacements, and preventive maintenance</td>
<td>$415,628,000</td>
<td>$103,909,000</td>
<td>$519,537,000</td>
</tr>
<tr>
<td>5307O: Operating assistance in urbanized areas</td>
<td>$9,760,000</td>
<td>$9,760,000</td>
<td>$19,520,000</td>
</tr>
<tr>
<td>5310: Mobility of seniors and individuals with disabilities</td>
<td>$6,740,000</td>
<td>$2,620,000</td>
<td>$9,360,000</td>
</tr>
<tr>
<td>53110: Operating assistance in nonurbanized areas</td>
<td>$952,000</td>
<td>$952,000</td>
<td>$1,904,000</td>
</tr>
<tr>
<td>5337: State of Good Repair funds including preventive maintenance and MARC improvements</td>
<td>$267,254,000</td>
<td>$66,814,000</td>
<td>$334,068,000</td>
</tr>
<tr>
<td>5339D: Bus and Bus Facilities Discretionary Grants (Towson Circulator)</td>
<td>$1,652,000</td>
<td>$413,000</td>
<td>$2,065,000</td>
</tr>
<tr>
<td>5339F: Bus and Bus Facilities Formula funds</td>
<td>$23,975,000</td>
<td>$5,994,000</td>
<td>$29,969,000</td>
</tr>
<tr>
<td>CMAQ: Congestion Mitigation and Air Quality</td>
<td>$176,538,000</td>
<td>$43,425,000</td>
<td>$219,963,000</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>$902,499,000</strong></td>
<td><strong>$233,887,000</strong></td>
<td><strong>$1,136,386,000</strong></td>
</tr>
</tbody>
</table>
For More Information

Zach Kaufman | Transportation Planner
410-732-0500 x1048 | zkaufman@baltometro.org | www.baltometro.org