Overview of the 2021-2024 Transportation Improvement Program

Resolution #21-3

August 25, 2020
Overview of the 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
2021-2024 TIP: Changes from Draft

• I-695 Bridge Replacement on Putty Hill Avenue:
  – Added $2.352 million ($2.235 million federal NHPP/$117,000 state matching) to the engineering phase to address the relocation of existing utilities
  – Added $2.061 million ($1.649 million federal NHPP/$412,000 state matching) to the construction phase for utility relocation
  – Total of $4.413 million added to the TIP
Funding in the 2021-2024 TIP
Funding in the 2021-2024 TIP

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

- MDOT SHA: $1,224,999,000 (State/Local $1,154,865,000, Federal $70,134,000)
- MDOT MTA: $902,499,000 (State/Local $378,499,000, Federal $524,000)
- Maryland Transportation Authority: $800,987,813
- Maryland Port Administration: $318,353,000
- Locally Sponsored: $190,927,000 (State/Local $173,127,000, Federal $17,800,000)
- MDOT Office of the Secretary: $0 (State/Local $0, Federal $0)
Funding in the 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% ($452,908,000)
- Emission Reduction Strategy: 8.3% ($3,024,000)
- 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
$774,752,000
59.3%

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

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

- $458,434,000 (42.4%) Road resurfacing/rehabilitation
- $405,348,000 (37.4%) Bridge repair/deck replacement
- $206,724,000 (19.1%) Other
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>
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<tr>
<td>Bus and Rail Preventive Maintenance</td>
<td>$195,520,000</td>
<td>29.1%</td>
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<tr>
<td>Metro and Light Rail System Preservation and Improvement</td>
<td>$80,392,000</td>
<td>12.0%</td>
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</table>
Project Highlights

- Anne Arundel County: Multimodal Transportation Center in Parole
- Baltimore City: Bicycle and Pedestrian Improvements
- MTA: Towson Circulator
- Howard County: Marriottsville Road and I-70 Bridge Improvements
- MDOT SHA: I-695 from I-70 to MD 43
- Maryland Port Administration: Howard Street Tunnel
- MDTA: I-95 Access to Port Covington and I-95 Northbound Extension
### 2021-2024 TIP Public Involvement and MDOT MTA Program of Projects

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

• Regional Emissions Analysis: Models transportation emissions of nitrogen oxides (NOx) 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 (2021, 2025, 2035, 2045) show emissions will be below SIP “budgets.”
Conformity Process ICG Milestones

• Methodology Letter (Which pollutants, emissions model, model run years)
• Determine conformity exempt/non-exempt/regionally significant status (project-by-project)
• BMC and MDE run EPA-developed emissions model.
• Approve regional emissions analysis results for public review
• Draft document and results out for public review.
• ICG/TC recommend approval of conformity document
Public Comment Period

• Comment Period: June 16 through July 17, 2020
• Two virtual public meetings + MTA CAC Presentation + 5 BRTB Subcommittee Presentations
• Over 40 comments from nearly 30 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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