

Baltimore Region FY 2017-2020 Transportation Improvement Program (TIP)



BALTIMORE REGION
TRANSPORTATION
IMPROVEMENT
PROGRAM
2017-2020

DRAFT



DEVELOPED BY THE BALTIMORE METROPOLITAN PLANNING ORGANIZATION

CITY OF ANNAPOLIS • ANNE ARUNDEL COUNTY • BALTIMORE CITY • BALTIMORE COUNTY
CARROLL COUNTY • HARFORD COUNTY • HOWARD COUNTY • QUEEN ANNE'S COUNTY

MD DEPARTMENT OF TRANSPORTATION • MD DEPARTMENT OF THE ENVIRONMENT • MD DEPARTMENT OF PLANNING • MD TRANSIT ADMINISTRATION

Baltimore Metropolitan Council

May 4, 2016

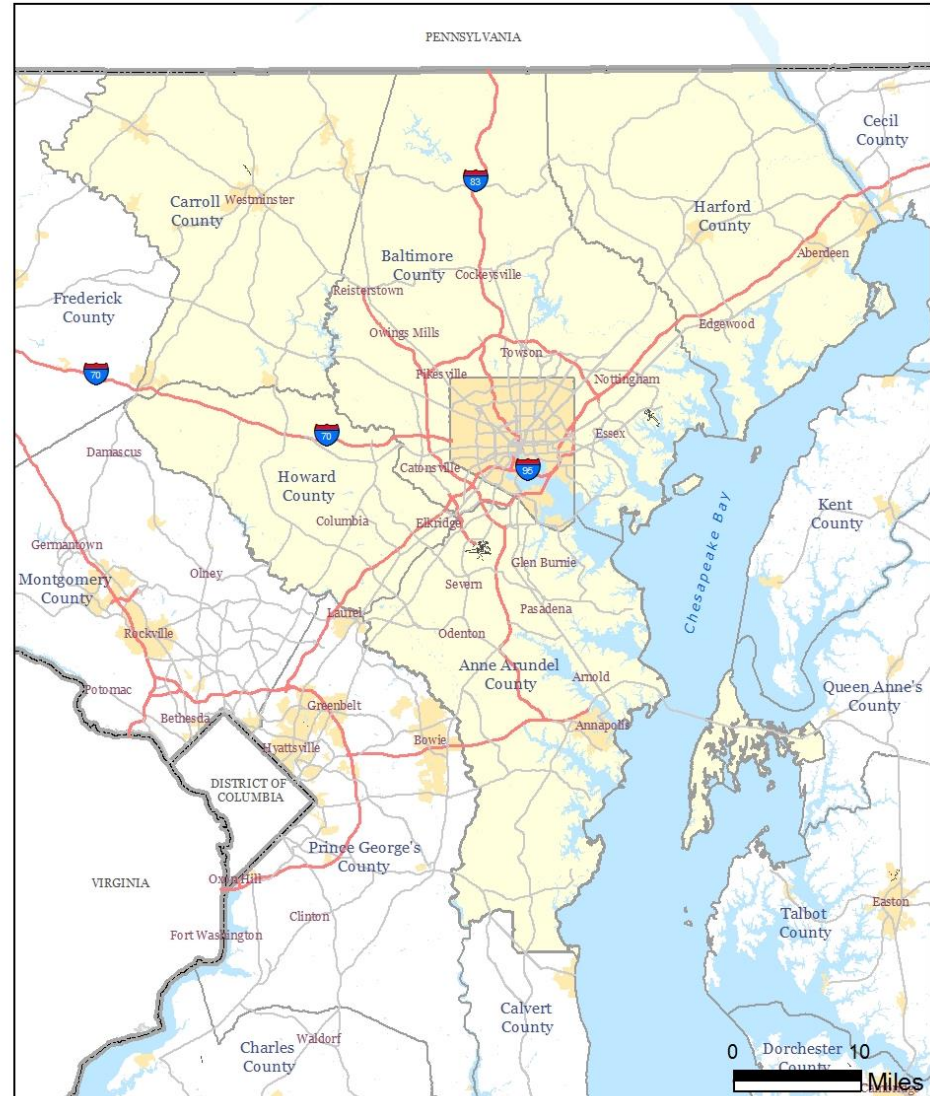
What is the TIP?

- Projects programmed for funding in any of the next four fiscal years
 - Federally funded projects
 - Regionally significant, non-federally funded projects
- Types of Projects: highway, transit, bicycle, pedestrian, management & operations
- Translates recommendations from the long-range plan, *Maximize2040*, into a short-term program of improvements
 - Capacity improvements identified individually
 - System preservation and system operations projects supported generally
 - All TIP projects reviewed for consistency with *Maximize2040*, including year of operation and design concept and scope



How are Projects Organized in the TIP?

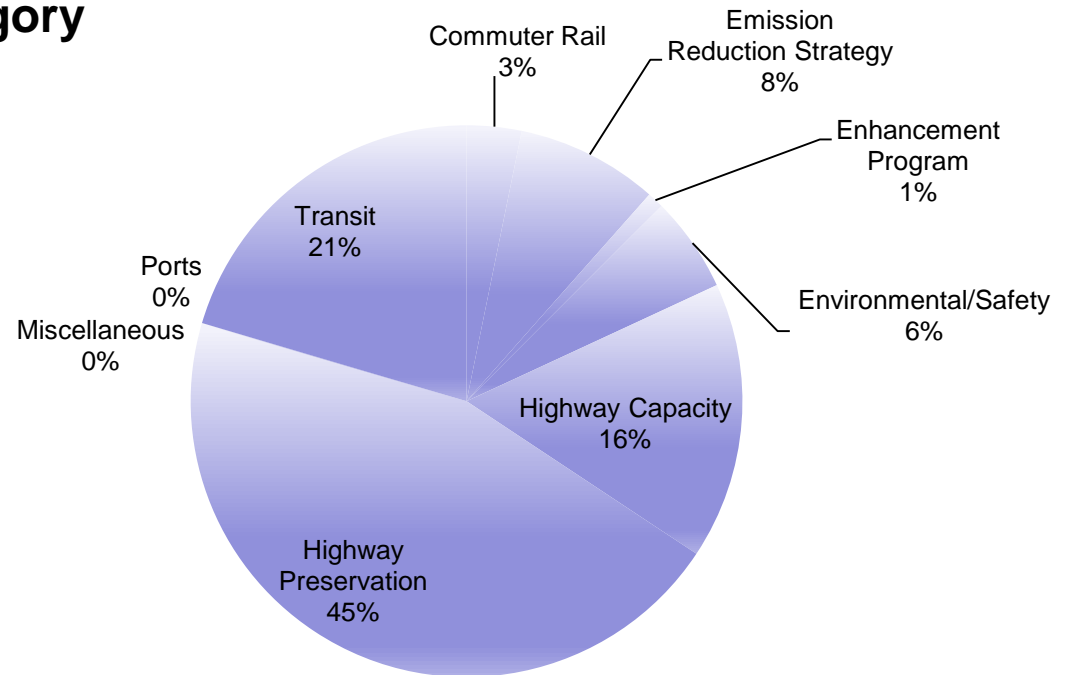
- Organized first by sponsoring agency:
 - Local Jurisdictions:
 - Anne Arundel County
 - Baltimore City
 - Baltimore County
 - Carroll County
 - Harford County
 - Howard County
 - Queen Anne's County
 - State Agencies:
 - Office of the Secretary
 - Maryland Transit Administration
 - State Highway Administration



How Do Projects Appear in the TIP?

- Project Categories
 - Emissions Reduction Strategies
 - Enhancement Program
 - Environmental/Safety
 - Highway Capacity
 - Highway Preservation
 - Commuter Rail
 - Transit
 - Ports
 - Miscellaneous

FY 2016 - 2019 Percent Funding by Category



TIP ID: AB-CCCC-DD

- **A: Implementing Agency**
 - 0 – Other State Agencies
 - 1 – Local Project**
 - 2 – Maryland Transportation Authority
 - 3 – Maryland Port Administration
 - 4 – MTA (Transit)**
 - 5 – Maryland Aviation Administration
 - 6 – State Highway Administration**
 - 7 – MTA (Commuter Rail)**
 - 8 – Baltimore Metropolitan Council
 - 9 – Office of the Secretary**
- **B: Location/Jurisdiction**
 - 0 – Regional
 - 1 – Anne Arundel County
 - 2 – Baltimore City
 - 3 – Baltimore County
 - 4 – Carroll County
 - 5 – Harford County
 - 6 – Howard County
 - 7 – Queen Anne’s County
 - 8 – City of Annapolis
- **CCCC:** The first two digits display the year the project first appeared in the TIP; the last two digits are a numerical count of projects for each unique agency, jurisdiction, and year (i.e. 12-1701-DD, 12-1702-DD, 12-1703-DD, etc...)



TIP ID: AB-CCCC-“DD”

Emission Reduction Strategy (ERS)

- 01 – Ridesharing
- 02 – Park-and-ride lots
- 03 – Bicycle/pedestrian facilities
- 04 – Traffic engineering
- 05 – Fleet improvement
- 06 – System expansion
- 07 - ITS
- 09 – Other (ERS)

Highway Preservation

- 11 – Road resurfacing/rehabilitation
- 12 – Road reconstruction
- 13 – Bridge repair/deck replacement
- 14 – Bridge inspections
- 19 – Other

Enhancement Program

- 21 – Archaeology
- 22 – Acquisition/preservation of easements or sites
- 23 – Rehabilitation of facilities
- 24 – Landscaping
- 25 – Bicycle/pedestrian facility
- 29 – Other

Environmental/Safety

- 31 – Noise barriers
- 32 – Lighting, signs
- 33 – Wetland mitigation
- 34 – Scenic beautification, reforestation
- 38 – Environmental other
- 39 – Safety other

Highway Capacity

- 41 – Roadway widening
- 42 – New or extended roadways
- 43 – Bridge widening
- 44 – New bridge/elimination of at-grade crossing
- 45 – Interchange ramp added or widened
- 46 – New interchange

Commuter Rail

- 51 – Operating assistance
- 52 – Operations support equipment
- 53 – Fleet improvement
- 54 – Preservation and improvements
- 55 – Rehabilitation of facilities
- 56 – New rail facilities
- 59 - Other

Transit

- 61 – Operating Assistance
- 62 – Operations support equipment
- 63 – Fleet improvement
- 64 – Preservation and improvements
- 65 – Rehabilitation
- 66 – New bus facilities
- 69 – Other

Airports

- 71 – Facility maintenance
- 72 – Facility rehabilitation
- 73 – Facility expansion
- 79 – Other

Ports

- 81 – Facility maintenance
- 82 – Facility rehabilitation
- 83 – Facility expansion
- 89 – Other

Miscellaneous

- 99 - Miscellaneous



SE Baltimore Freight Corridor: Colgate Creek Bridge Replacement

TIP ID	12-1609-13	Year of Operation	2020
Agency	Baltimore City	Project Type	Bridge repair/deck replacement
Project Category	Highway Preservation	Functional Class	Other Principal Arterial
Conformity Status	Exempt	Physical Data	4 to 4 lanes
CIP or CTP ID(s)	509-004	Est. Total Cost	\$22,000,000

Description:

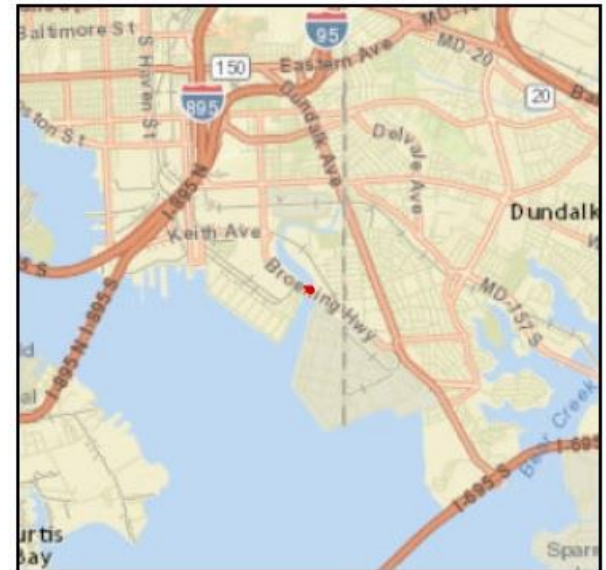
This project replaces a structurally deficient, functionally obsolete bridge on Broening Highway over Colgate Creek, enabling trucks to reroute away from residential communities and addressing major impacts to residents' quality of life.

Justification:

The Colgate Creek Bridge is a 1960s era bridge that connects major port terminals, Dundalk and Seagirt, to I-95 and I-695. The bridge currently operates under capacity due to deterioration from overweight freight traffic, and currently holds a structural rating of 4 out of 9 and a bridge sufficiency rating of 42.3 out of 100, indicating a pressing need for replacement. Only 2 out of 4 lanes on the bridge are open to traffic and it is weight restricted.

Connection to Long-Range Transportation Planning Goals:

- 1.C Improve System Safety -- Eliminate hazardous or substandard conditions.
- 2.A Improve and Maintain the Existing Infrastructure -- Improve the condition of roadway systems (pavement, bridges, tunnels).
- 3.G Improve Accessibility -- Improve system connectivity and continuity among modes and across boundaries.





SE Baltimore Freight Corridor: Colgate Creek Bridge Replacement

(Funding in Thousands)

Transportation Investment Generating Economic Recovery

Phase	FY 2017 Federal Funds	FY 2017 Matching Funds	FY 2018 Federal Funds	FY 2018 Matching Funds	FY 2019 Federal Funds	FY 2019 Matching Funds	FY 2020 Federal Funds	FY 2020 Matching Funds	Total Four-Year Funding Request
CON	\$5,500	\$5,500	\$2,500	\$2,500	\$2,000	\$2,000	\$0	\$0	\$20,000
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$5,500	\$5,500	\$2,500	\$2,500	\$2,000	\$2,000	\$0	\$0	\$20,000

Surface Transportation Program (Surface Transportation, Bridge (Off-System))

Phase	FY 2017 Federal Funds	FY 2017 Matching Funds	FY 2018 Federal Funds	FY 2018 Matching Funds	FY 2019 Federal Funds	FY 2019 Matching Funds	FY 2020 Federal Funds	FY 2020 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PE	\$1,600	\$400	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000
PP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$1,600	\$400	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000
Total	\$7,100	\$5,900	\$2,500	\$2,500	\$2,000	\$2,000	\$0	\$0	\$22,000

Draft 17-20 TIP

- 146 Projects
- 23 new projects
- \$1.87 billion in federal funds requested
- \$.83 billion in local/state matching funds



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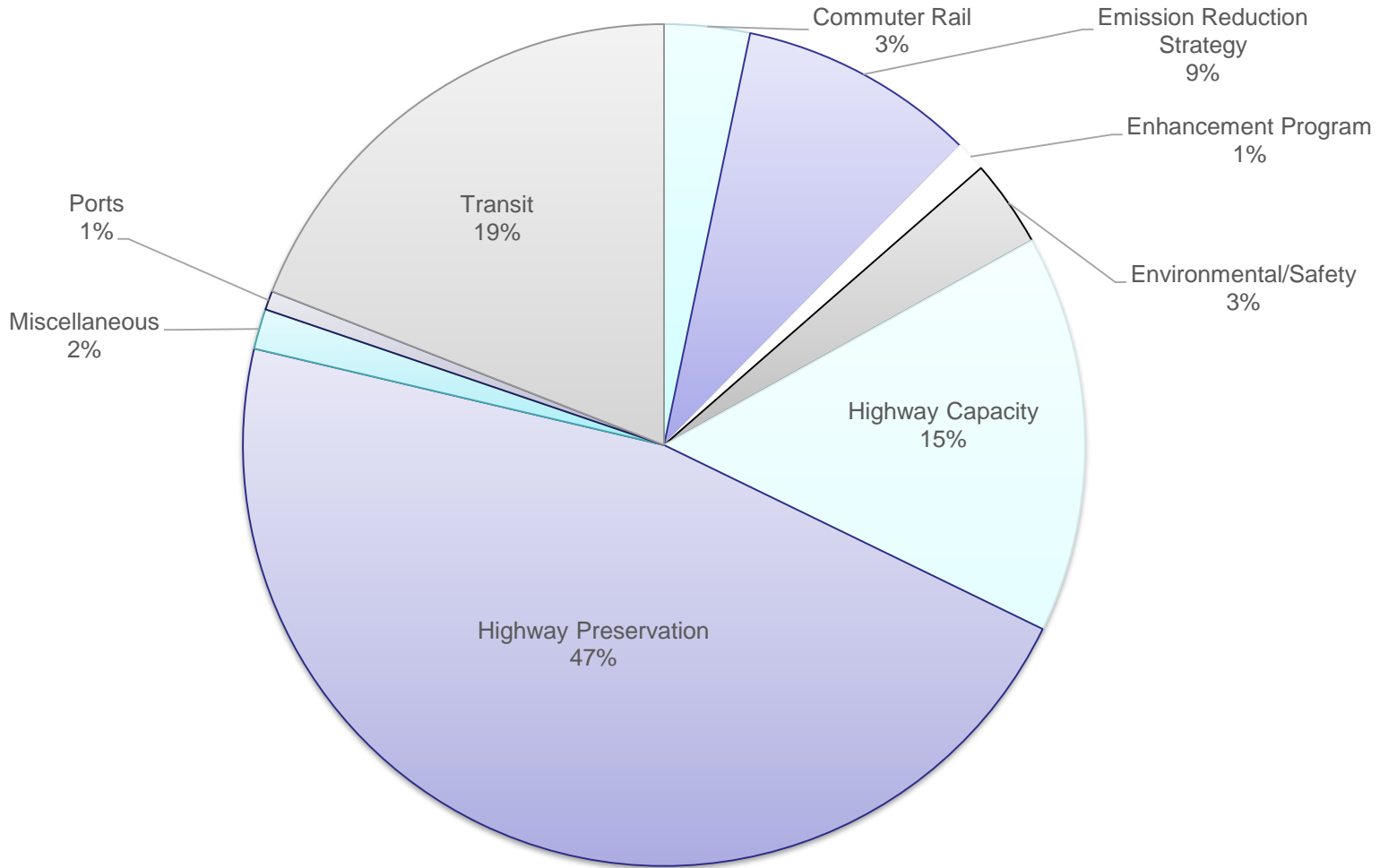
Number of Projects by Category

Project Category	# of Projects
Highway Preservation	80
Highway Capacity	30
Emission Reduction	10
Transit	8
Environmental/Safety	5
Miscellaneous	5
Commuter Rail	4
Enhancement	3
Ports	1

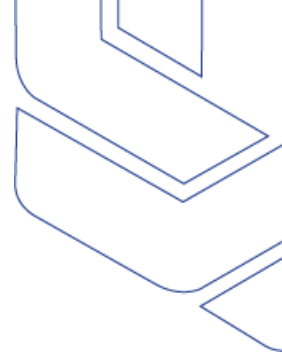


Draft 17-20 TIP

Percentage of Total Funding by Project Category



Draft 17-20 TIP: New Local Projects



Baltimore City

- Transportation Management Center Computer System upgrades (12-1701-04)
- Inner Harbor Water Taxi Terminal (12-1702-23)
- Replacement of Dartmouth Retaining Wall (12-1703-19)
- Curtis Avenue Corridor Improvements (12-1704-11)
- Hanover Street Bridge Deck Repairs (12-1705-13)
- MLK Blvd. and Howard St. Intersection Improvements (12-1706-11)
- Transportation Career Development Program (12-0002-99)
- Pavement Management System (12-1206-99) – Previously included as component of another project in 12-15 TIP

Baltimore County

- Rossville Blvd. Bridge No. 132 over Amtrak & Orems Road. (13-1701-13)



Draft 17-20 TIP: New SHA Projects

Anne Arundel County

- MD 175: National Business Parkway to McCarron Court (61-1701-41) – Segment of larger MD 175: MD 295 to MD 170 broken out for construction

Baltimore County

- I-695: Bridge Replacements at Benson Ave and US 1 (63-1602-43) – Not new, but road diet along US 1 added to description
- I-83: Bridge Replacement over Padonia Road (63-1701-13)
- I-695: Bridge Replacement on Crosby Road (63-1702-43)
- MD 137: Bridge Replacement over I-83 (63-1703-13)
- US 1: Bridge Replacement over CSX (63-1704-13)
- I-70 & I-695 Triple Bridges Study (63-1705-43)
- US 40: Bridge Replacements over Little & Big Gunpowder Falls (63-1706-13)

Carroll County

- MD 32: MD 26 to I-70 Corridor Study (64-1703-41)
- MD 86: Bridge Replacement over Gunpowder Falls (64-1701-13)
- MD 496: Bridge Replacement over Big Pipe Creek (64-1702-13)

Howard County

- I-95: Montgomery Road to I-895 Noise Barrier (66-1701-31)
- MD 32: Triadelphia Road Bridge Replacement (66-1702-13)
- MD 32: Linden Church Road to I-70 (66-1703-41)

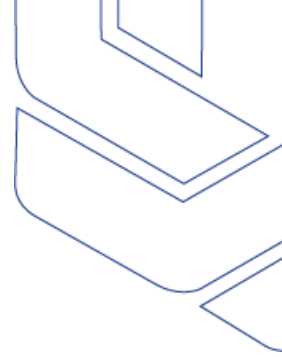


Draft 2017-2020 TIP Resources

- <http://brtb.newserver.dtstiptool.com/Search>
- arcg.is/1qIn0em
- The Draft TIP will also be available on the BMC website (comment period May 23 to June 24 2016, BRTB will vote on July 26)



Citywide and Regional Projects



- Baltimore Citywide: bike and pedestrian improvements, traffic signals/ITS, road resurfacing/reconstruction
- Local bridge inspections
- MTA: MARC rolling stock, bus fleet replacement, Capital/operating assistance to LOTS, preventive maintenance, infrastructure
- SHA: Transportation Alternatives, environmental, congestion management, resurfacing, safety/spot, bridge repairs

