



Baltimore Region FY 2016-2019 Transportation Improvement Program (TIP) **AMENDMENTS**



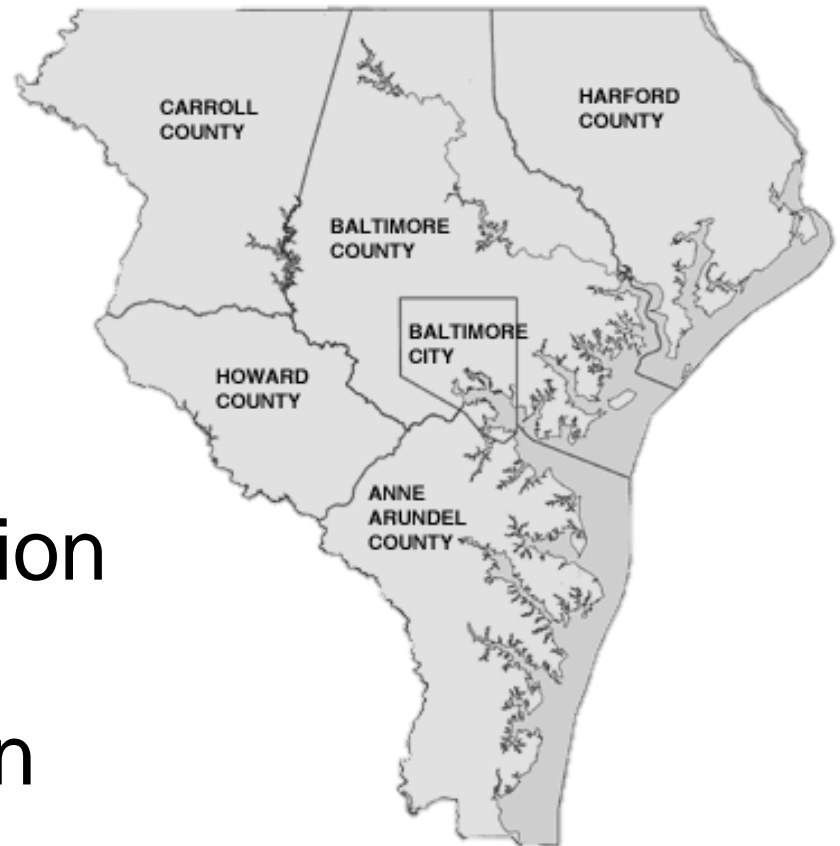
:: Southeast Baltimore Freight Corridor Improvements to
Keith + Holabird Avenues, Broening Highway Complete Streets,
and Colgate Creek Bridge Replacement ::
:: Waterview Avenue/Annapolis Road Bridge Replacement ::
:: Edison Highway Bridge Replacement ::
:: Charm City Bikeshare – Phase I ::

Baltimore Metropolitan Council

February 3, 2016

Who We Are

- BMC - Organization of Region's Elected Executives.
- BRTB - Baltimore Regional Transportation Board – Metropolitan Planning Organization



BRTB Members

- City of Annapolis – Michael Pantelides, Mayor
- Anne Arundel County – Steve Schuh, County Executive
- City of Baltimore - Stephanie Rawlings-Blake, Mayor (Vice Chair)
- Baltimore County - Kevin Kamenetz, County Executive
- Carroll County – Stephen Wantz, Board of Commissioners
- Harford County – Barry Glassman, County Executive
- Howard County – Allan Kittleman, County Executive (Chair)
- MD Department of Transportation – Pete Rahn, Secretary
- Maryland Transit Administration – Paul Comfort, Administrator
- MD Department of the Environment – Ben Grumbles, Secretary
- Maryland Department of Planning – David Craig, Secretary



What We Do - BRTB

- Air Quality
- Bicycle and Pedestrian
- Emergency Preparedness
- Freight
- Safety
- Transit



What We Do - BRTB

- Two-year work program (UPWP)
- Short-term transportation program (TIP)
- Long-range transportation plan (*Maximize 2040*)
- Air quality assessments of all transportation projects



What is the Transportation Improvement Program (TIP)

- Short-range (four-year) program of transportation improvements & priority projects
- Financially constrained
- Authorizes project sponsor to seek or use federal funds
- Generally updated annually
 - Current TIP is FY 2016-2019
- Amendments require 30-day public review
 - New projects, new funding, etc.



Air Quality Assessment

- The TIP goes through a process that compares estimated pollutants (emissions) from transportation projects to limits (budgets) set by the state.



This report, called a “conformity determination”, addresses fine particulate matter (PM_{2.5}), 8-hour ozone and CO standards.





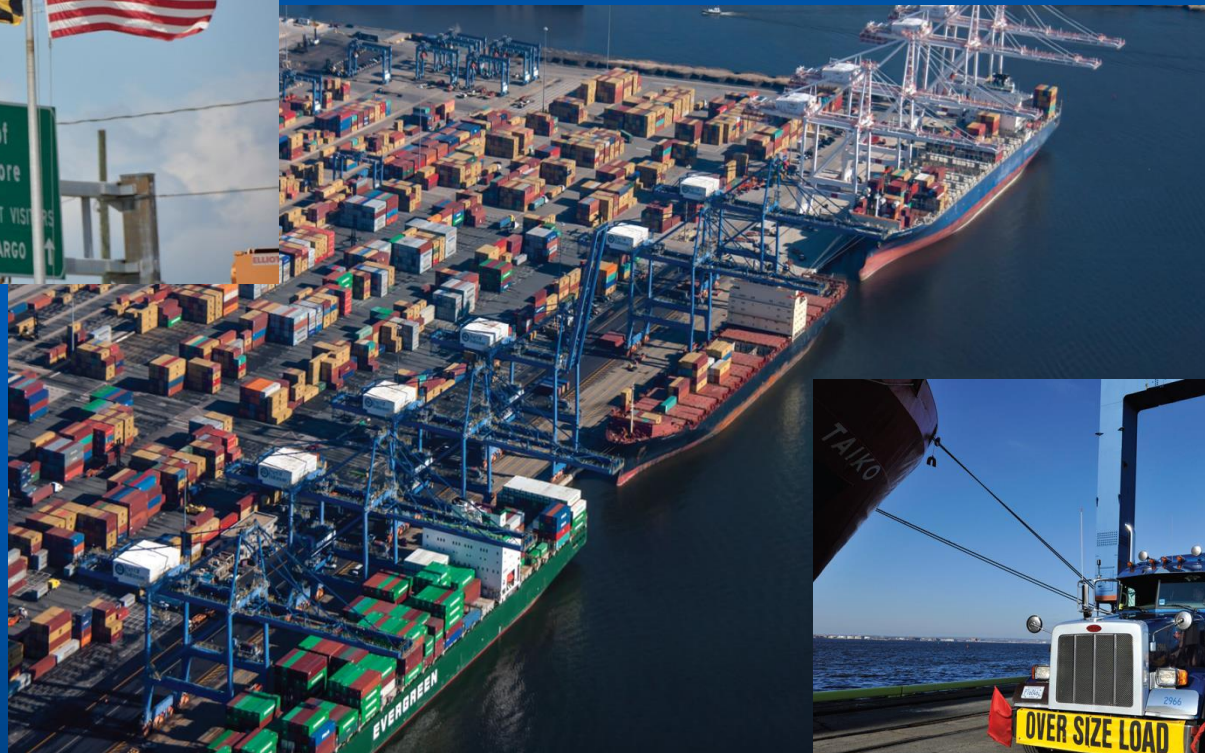
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February Amendments

- Southeast Baltimore Freight Corridor:
 - Colgate Creek Bridge Replacement
 - Keith and Holabird Avenue Improvements
 - Broening Highway Complete Streets
- Citywide Bridge Preservation and Rehabilitation
- Citywide Bicycle and Pedestrian Improvements
- Waterview Ave/Annapolis Road Bridge Replacements

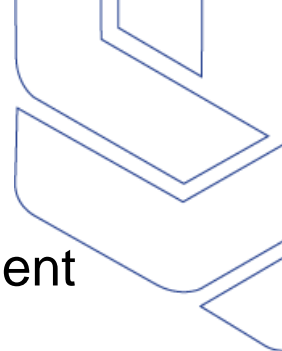


SE Baltimore Freight Corridor



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SE Baltimore Freight Corridor

- This project adds newly awarded funding from the US Department of Transportation 2015 TIGER Grant program, to restore functionality to a vital freight network of roads and bridges connecting the Port of Baltimore to regional and national highway systems.
- The project includes:
 - Replacement or rehabilitation of the existing Colgate Creek Bridge
 - Critical roadway infrastructure improvements on Holabird and Keith Avenues
 - Complete streets improvements in residential portion of Broening Highway
- The TIP amendment adds a new project to the 2016-2019 TIP utilizing federal TIGER funds awarded in FY16. The project allocates funds for engineering and construction in FY 2016 through FY2019 totaling \$30 million. This project also utilizes local matching funds.



SE Baltimore Freight Corridor



SE Baltimore Freight Corridor – Colgate Creek Bridge Replacement

- Replace existing structurally deficient bridge
- Restores functionality and capacity for sufficient freight/truck movements
- Improves quality of life for SE neighborhoods



SE Baltimore Freight Corridor – Colgate Creek Bridge Replacement

- This amendment proposes to add this project to the 2016-2019 TIP with the following funds:

(Funding in Thousands)

Transportation Investment Generating Economic Recovery

Phase	FY 2016 Federal Funds	FY 2016 Matching Funds	FY 2017 Federal Funds	FY 2017 Matching Funds	FY 2018 Federal Funds	FY 2018 Matching Funds	FY 2019 Federal Funds	FY 2019 Matching Funds	Total Four-Year Funding Request
CON	\$2,000	\$2,000	\$3,500	\$3,500	\$2,500	\$2,500	\$2,000	\$2,000	\$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	\$2,000	\$2,000	\$3,500	\$3,500	\$2,500	\$2,500	\$2,000	\$2,000	\$20,000

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

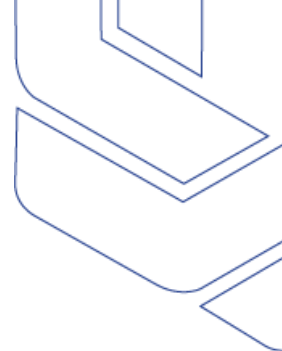
Phase	FY 2016 Federal Funds	FY 2016 Matching Funds	FY 2017 Federal Funds	FY 2017 Matching Funds	FY 2018 Federal Funds	FY 2018 Matching Funds	FY 2019 Federal Funds	FY 2019 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PE	\$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	\$3,600	\$2,400	\$3,500	\$3,500	\$2,500	\$2,500	\$2,000	\$2,000	\$22,000



SE Baltimore Freight Corridor – Keith and Holabird Avenue Improvements

- Improves existing roadway infrastructure
- Provides direct access for freight traveling between the port and the interstate
- Re-routes freight away from residential neighborhoods





SE Baltimore Freight Corridor – Keith and Holabird Avenue Improvements

- This amendment proposes to add this project to the 2016-2019 TIP with the following funds:

(Funding in Thousands)

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

Phase	FY 2016 Federal Funds	FY 2016 Matching Funds	FY 2017 Federal Funds	FY 2017 Matching Funds	FY 2018 Federal Funds	FY 2018 Matching Funds	FY 2019 Federal Funds	FY 2019 Matching Funds	Total Four-Year Funding Request
CON	\$560	\$560	\$1,500	\$1,080	\$1,100	\$800	\$0	\$0	\$5,600
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PE	\$480	\$120	\$0	\$0	\$0	\$0	\$0	\$0	\$600
PP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$1,040	\$680	\$1,500	\$1,080	\$1,100	\$800	\$0	\$0	\$6,200
Total	\$1,040	\$680	\$1,500	\$1,080	\$1,100	\$800	\$0	\$0	\$6,200

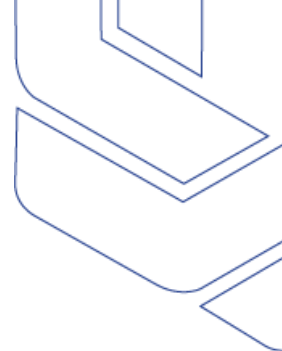


SE Baltimore Freight Corridor – Broening Highway Complete Streets



- Implements elements of complete streets to dissuade trucks from utilizing the residential portion of Broening Highway
- Improves quality of life
- Creates a more walkable and bikeable environment





SE Baltimore Freight Corridor – Broening Highway Complete Streets

- This amendment proposes to add this project to the 2016-2019 TIP with the following funds:

(Funding in Thousands)

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

Phase	FY 2016 Federal Funds	FY 2016 Matching Funds	FY 2017 Federal Funds	FY 2017 Matching Funds	FY 2018 Federal Funds	FY 2018 Matching Funds	FY 2019 Federal Funds	FY 2019 Matching Funds	Total Four-Year Funding Request
CON	\$190	\$190	\$190	\$190	\$520	\$620	\$0	\$0	\$1,900
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PE	\$320	\$80	\$0	\$0	\$0	\$0	\$0	\$0	\$400
PP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$510	\$270	\$190	\$190	\$520	\$620	\$0	\$0	\$2,300
Total	\$510	\$270	\$190	\$190	\$520	\$620	\$0	\$0	\$2,300



Contact Information

For more information on this project:

Greg Bauer, Project Manager
Bridge Section
Transportation Engineering and Construction Division
Baltimore City Department of Transportation
410-396-6935

To submit comments:

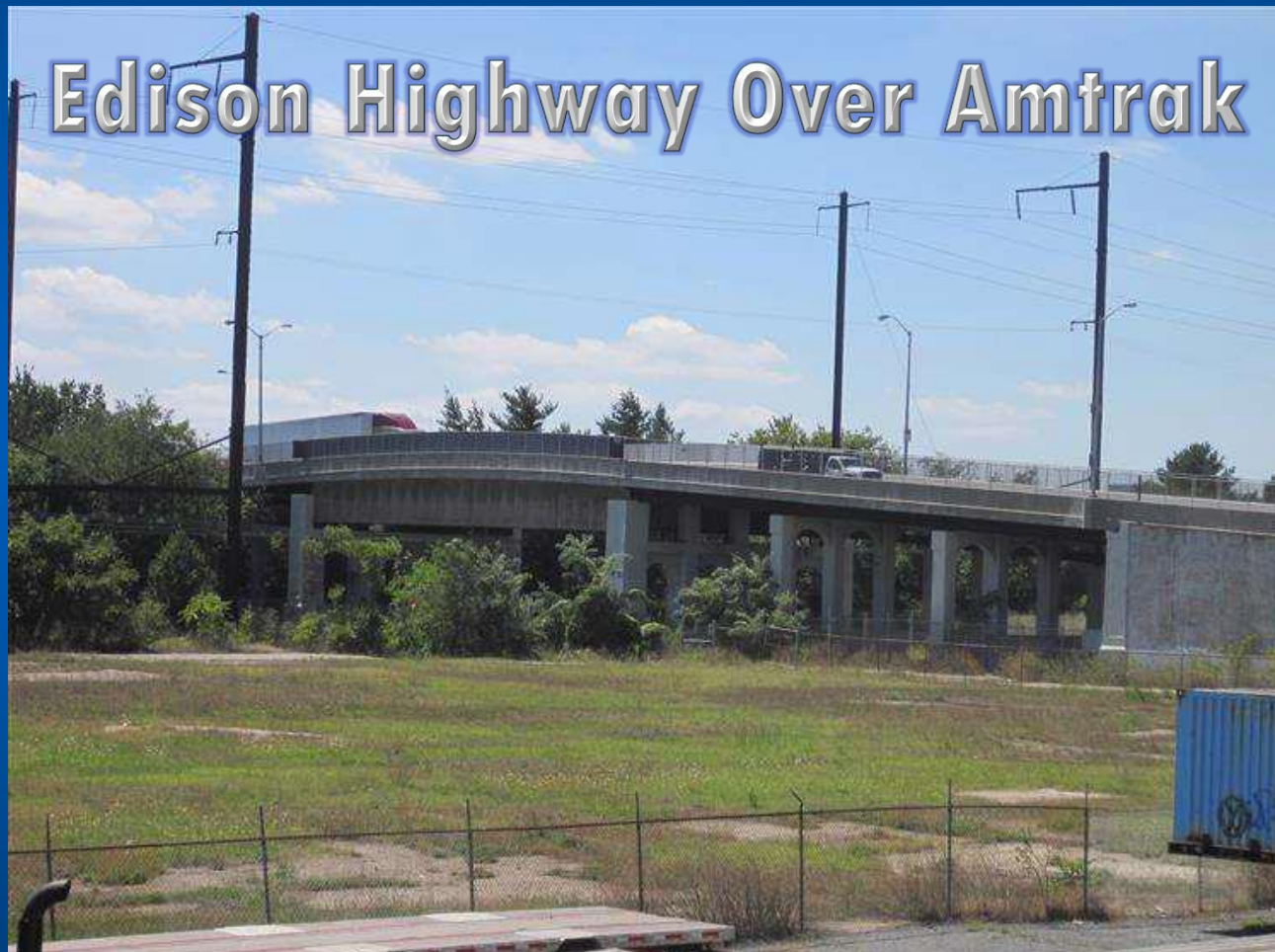
Regina Aris
Baltimore Metropolitan Council
comments@baltometro.org
410-732-9572



Baltimore Metropolitan Council



Citywide Bridge Preservation and Rehabilitation

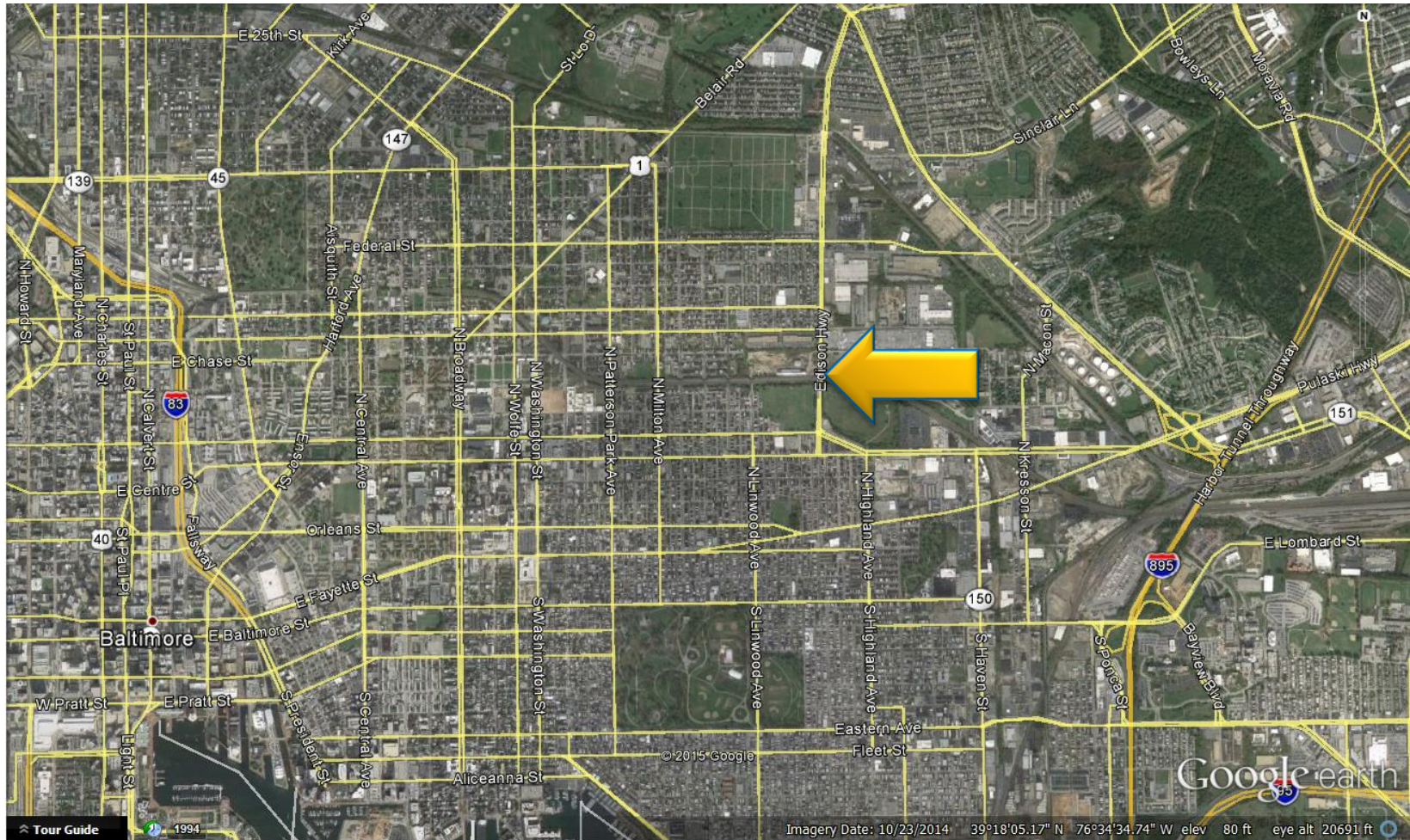


Citywide Bridge Preservation and Rehabilitation

- This project is a part of the Baltimore City Department of Transportation's Long-Range Transportation Planning Goal of improving and maintaining the existing infrastructure.
- The project is for the Edison Highway Bridge over Amtrak and includes:
 - Rehabilitate the bearing pads, concrete piers, and abutments
 - Concrete repairs to the bridge parapets, approach sidewalk and curb
 - Replace the joint strip seals and install a drainage trough system
 - Repair several concrete pedestals, spalls, cracks, and delaminated concrete piers, abutments, wing walls and check walls
 - Clean and paint the beam ends and main span segmental rocker bearings
- The TIP amendment adds a project to the 2016-2019 TIP utilizing federal STP funds. The project allocates construction funds in FY 2016 totaling \$1.7 million
(*\$1.36 million – Federal Funds; \$340,000 – Local Matching Funds*)



Citywide Bridge Preservation and Rehabilitation



Citywide Bridge Preservation and Rehabilitation

- This amendment proposes to add this project to the 2016-2019 TIP with the following funds:

Citywide Bridge Preservation and Rehabilitation

(Funding in Thousands)

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

Phase	FY 2016 Federal Funds	FY 2016 Matching Funds	FY 2017 Federal Funds	FY 2017 Matching Funds	FY 2018 Federal Funds	FY 2018 Matching Funds	FY 2019 Federal Funds	FY 2019 Matching Funds	Total Four-Year Funding Request
CON	\$1,360	\$340	\$0	\$0	\$0	\$0	\$0	\$0	\$1,700
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	\$1,360	\$340	\$0	\$0	\$0	\$0	\$0	\$0	\$1,700
Total	\$1,360	\$340	\$0	\$0	\$0	\$0	\$0	\$0	\$1,700



Citywide Bridge Preservation and Rehabilitation

Edison Highway Over Amtrak



Contact Information

For more information on this project:

Greg Bauer, Project Manager
Bridge Section
Transportation Engineering and Construction Division
Baltimore City Department of Transportation
410-396-6935

To submit comments:

Regina Aris
Baltimore Metropolitan Council
comments@baltometro.org
410-732-9572



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Waterview Avenue, Annapolis Road, and Maisel Street Bridge Replacements



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Waterview Avenue/Annapolis Road Bridge Replacements

- This project is a part of the Baltimore City Department of Transportation's Long-Range Transportation Planning Goal of improving and maintaining the existing infrastructure.
- The project is for the full replacement of the following three bridges over the Baltimore Washington Parkway
 - 1) Annapolis Road Bridge (located 0.6 miles south of the Waterview/Annapolis Road Bridge)
 - 2) Waterview Avenue/Annapolis Road Bridge
 - 3) Maisel Street Pedestrian Bridge

And will include: Providing increased structural and traffic safety, ADA compliance, bicycle compatibility, and landscaping

- The TIP amendment adds a project to the 2016-2019 TIP utilizing federal STP funds. The project allocates construction funds in FY 2016 totaling \$30 million

**(\$24 million – Federal Funds; \$6 million – Local Matching Funds)*



Waterview Avenue and Annapolis Road Bridge Replacements



Waterview Ave/Annapolis Road Bridge Replacements

- This amendment proposes to add this project to the 2016-2019 TIP with the following funds:

Waterview Ave/Annapolis Road Bridge Replacements

(Funding in Thousands)

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

Phase	FY 2016 Federal Funds	FY 2016 Matching Funds	FY 2017 Federal Funds	FY 2017 Matching Funds	FY 2018 Federal Funds	FY 2018 Matching Funds	FY 2019 Federal Funds	FY 2019 Matching Funds	Total Four-Year Funding Request
CON	\$24,000	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0	\$30,000
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	\$24,000	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0	\$30,000
Total	\$24,000	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0	\$30,000



Waterview Avenue Bridge Replacement



Annapolis Road Bridge Replacement



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Maisel Street Pedestrian Bridge Replacement



Contact Information

For more information on this project:

Tony Grant, Project Manager
Bridge Section
Transportation Engineering and Construction Division
Baltimore City Department of Transportation
410-396-6935

To submit comments:

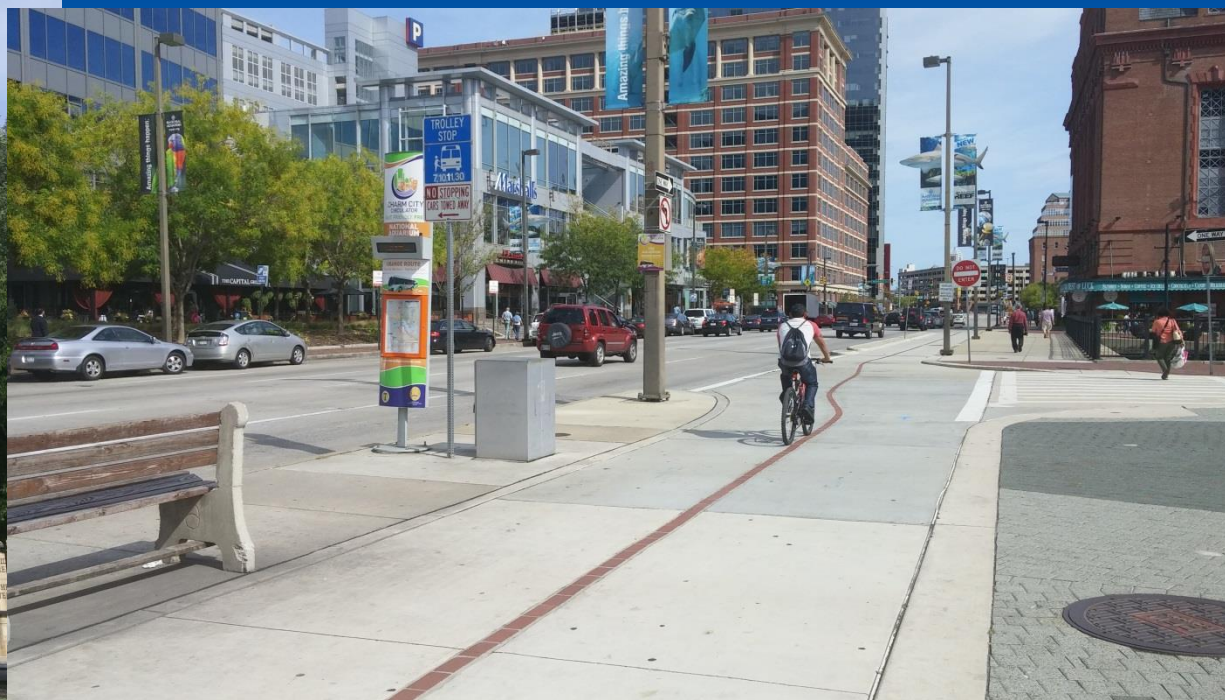
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410-732-9572



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Citywide Bicycle and Pedestrian Improvements



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Citywide Bicycle and Pedestrian Improvements

- This project includes planning, design, and construction of bicycle and pedestrian infrastructure, to encourage alternative modes of transportation, reduce emissions, and improve the city's quality of life overall.
- This project includes \$7.2M in Surface Transportation and Congestion Mitigation and Air Quality funding allocated for engineering and construction projects in FY16 – 19.
- The FY16-19 TIP amendment includes:
 - The addition of Phase I of the Charm City Bikeshare System implementation.



Citywide Bicycle and Pedestrian Improvements - Bikeshare

- Improves multi-modal access throughout the city
- Provides access for short-distance trips
- Reduces traffic congestion, noise, and air pollution.



Citywide Bicycle and Pedestrian Improvements - Bikeshare

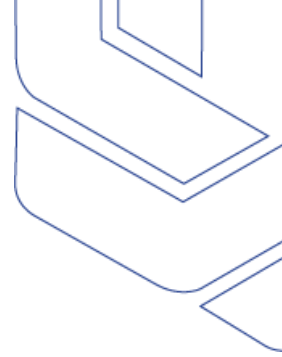
- This amendment adds over \$2.6M in CMAQ funding and local HUR and County Transportation Bond funds, allocated to the implementation of the Bikeshare system in FY16.

Congestion Mitigation and Air Quality -UPDATE

Phase	FY 2016 Federal Funds	FY 2016 Matching Funds	FY 2017 Federal Funds	FY 2017 Matching Funds	FY 2018 Federal Funds	FY 2018 Matching Funds	FY 2019 Federal Funds	FY 2019 Matching Funds	Total Four-Year Funding Request
CON	\$1,507	\$1,100	\$0	\$0	\$0	\$0	\$0	\$0	\$2,607
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	\$1,507	\$1,100	\$0	\$0	\$0	\$0	\$0	\$0	\$2,607



Charm City Bikeshare



- **October 2015:** IFB
- **November 2015:** Hire Bike Share Coordinator
- **December 2015:**
 - Marketing kickoff with Comcast Spectra
 - Six proposals accepted in response to RFP
- **February 2016:**
 - Vendor/operator selected
 - Start community involvement (survey, website, station placement)
- **Summer 2016:** Finalize station placement
- **Fall 2016:** Launch Phase I



Contact Information

For more information on this project:

Jay Decker, Bike Share Coordinator
Baltimore City Department of Transportation
James.Decker@baltimorecity.gov

To submit comments:

Regina Aris
Baltimore Metropolitan Council
comments@baltometro.org
410-732-9572



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Share your thoughts

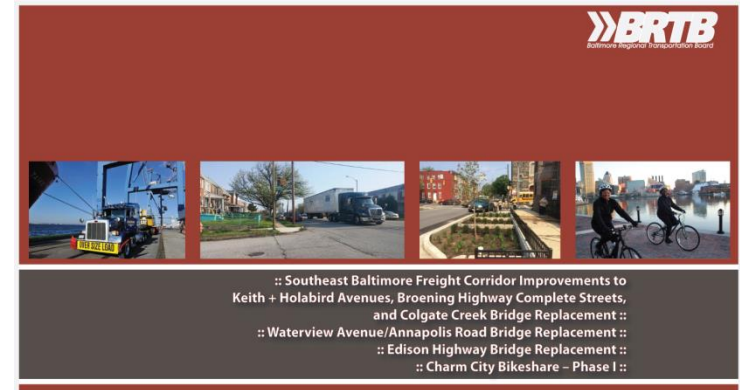
Comments welcome through **February 5, 2016** to:

The Baltimore Regional Transportation Board
Attn: Public Involvement Coordinator
Offices @ McHenry Row
1500 Whetstone Way, Suite 300
Baltimore, MD 21230

Fax: 410-732-8248

E-mail: comments@baltometro.org

Twitter: @BaltoMetroCo @BmoreInvolved #BRTBlistens



Comments are also welcome during the Public Comment Opportunity of the BRTB meeting at 9:00 a.m. on Tuesday, February 23, 2016 (scheduled vote)



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