



2022-2025 TIP Amendment: Central Avenue Bicycle Facility

Technical Committee

January 4, 2022



Baltimore City FY 2022-2025 TIP

Amendment Overview

- This amendment adds a new project to the FY 2022-2025 TIP.
 - The project was originally listed in the FY 2016-2019 TIP.
- Baltimore City desires to modify the striping plan on the Central Avenue Phase II project to provide better bicycle facilities and increased pedestrian safety/comfort by lowering vehicular speeds.
- Inclusion of this project in the TIP is necessary to prepare and finalize NEPA documents. Funding for this project includes \$750,000 for construction (\$600,000 federal/\$150,000 match) in FY 2022. The total estimated cost of the project is \$53.451 million.

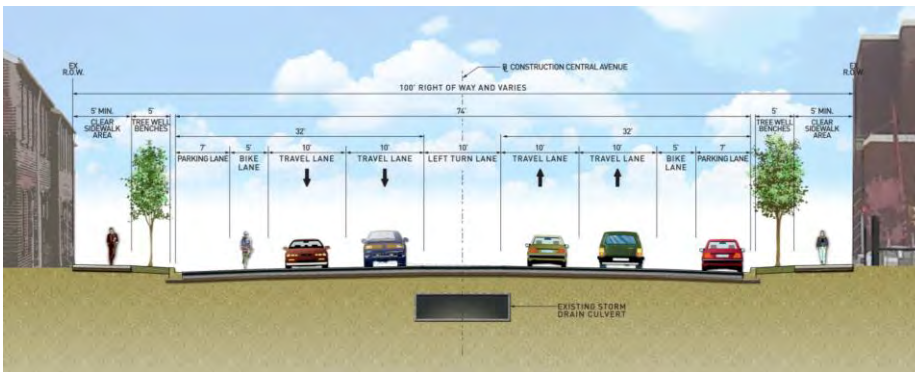
Central Avenue Bicycle Facility Overview



- Central Avenue Phase I Streetscape between Baltimore Street and Madison Street started in 2012 and was completed in 2015. Included street reconstruction, ADA upgrades, and new traffic signals.
- Central Avenue Phase II Streetscape between Dock Street and Baltimore Street started in 2016 will be completed in 2022. Includes street reconstruction, ADA upgrades, utility work, traffic signals, and a new bridge between Harbor Point and Harbor East.
- This project proposes to add additional funds to improve the design of the Central Avenue Phase II Streetscape project for bicycle and pedestrian safety and accessibility.

ORIGINAL PROJECT

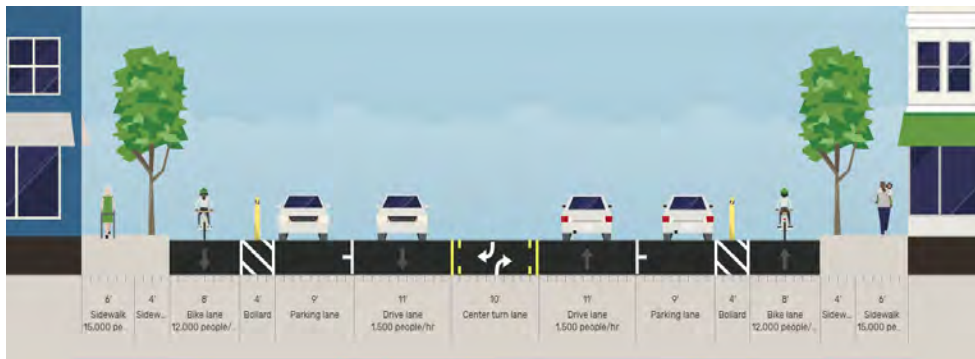
- Central Avenue Phase I Streetscape between Baltimore Street and Madison Street started in 2012 and was completed in 2015.
- Central Avenue Phase II Streetscape between Dock Street and Baltimore Street started in 2016 will be completed in 2022. Currently at 90% construction completed.
- 4/5 travel lanes, two 5' bikes lanes



Proposed TIP Amendment

- Project includes modifying original Central Avenue design to include protected bicycle facilities between Baltimore Street and Fleet Street through revised striping/signing plan
- 2/3 travel lanes, two parking protected bike lanes

Proposed Protected Bicycle Facility



Justification for Project



- Reducing the number of travel lanes from 5 to 3 follows FHWA's guidance on best practices for road diets while adequately serving existing and future traffic demand.
- Providing protected bicycle lanes follows the Bikeway Selection Guide from FHWA's *Separated Bike Lane Planning and Design Guide* and improves safety for all travel modes on Central Avenue.
- Providing protected bicycle lanes complies with the City's Bicycle Master Plan, improving multi-modal transportation options throughout the City.

TIP Amendment Funding and YOP



- Request to add \$600,000 Federal funding with a \$150,000 local match totaling \$750,000 for the Construction Phase in FY 2022 of the FY2022-2025 TIP. Proposed funding source from Surface Transportation Block Grant Program.
- No Engineering Funds are being requested.
- Previous Total Estimated Cost of the Central Avenue Phase II Project was \$51,000,000. Current project expenditures are \$52,701,191. Total Project Cost including TIP Amendment is \$53,451,191.
- The projected date of operation is October 2022.

Graham Young, PE, PTOE | Complete Streets Manager

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2022-2025 TIP Amendment: I-95/I-695 Interchange Bridge Deck Replacement

Technical Committee

January 4, 2022



I-95/I-695 Interchange Bridge Deck Replacement



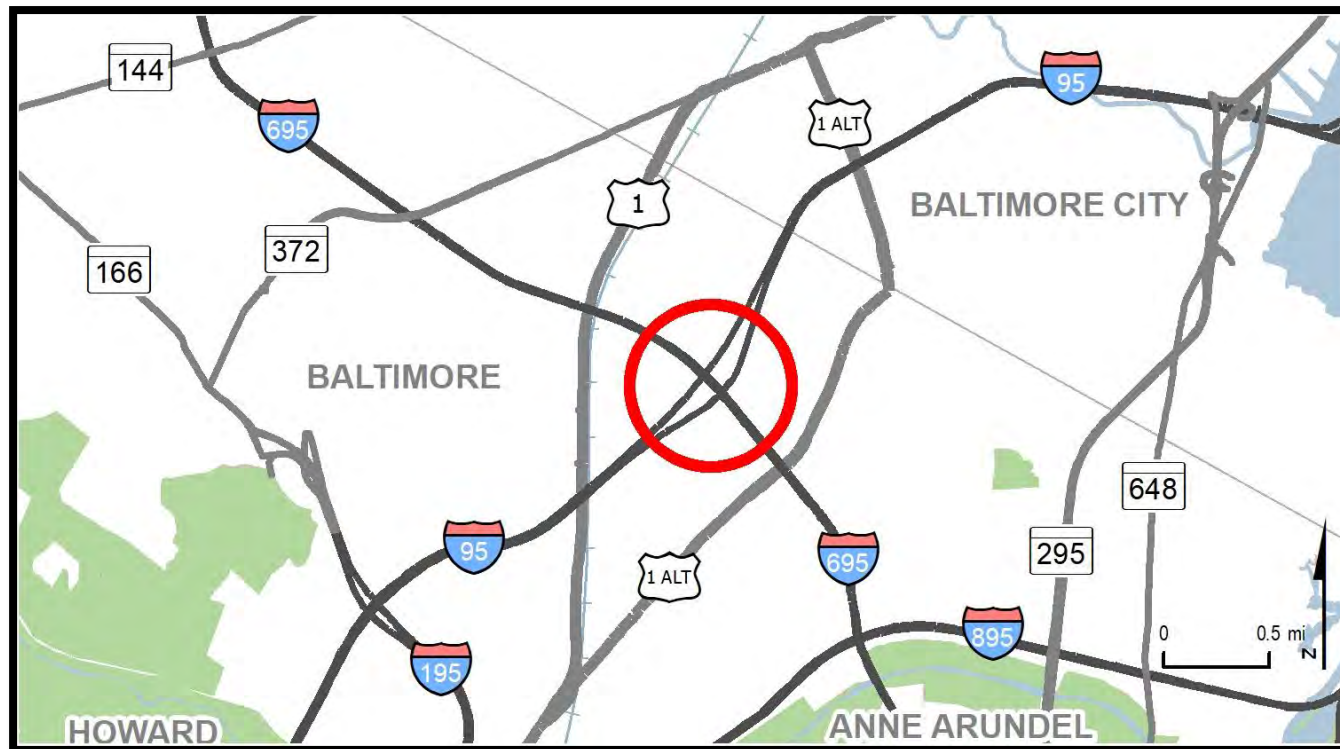
AMENDMENT PURPOSE

- **Add a new project to the FY 2022-2025 TIP**
 - New major project in the 2022-2027 CTP
 - Needed to accommodate anticipated February 2022 advertisement date

I-95/I-695 Interchange Bridge Deck Replacement



LOCATION



I-95/I-695 Interchange Bridge Deck Replacement



PROJECT DESCRIPTION

- Replace bridge decks with latex modified concrete deck overlays on 10 bridges before they reach a deteriorated state
- Upgrade bridge parapets to meet current safety standards

I-95/I-695 Interchange Bridge Deck Replacement



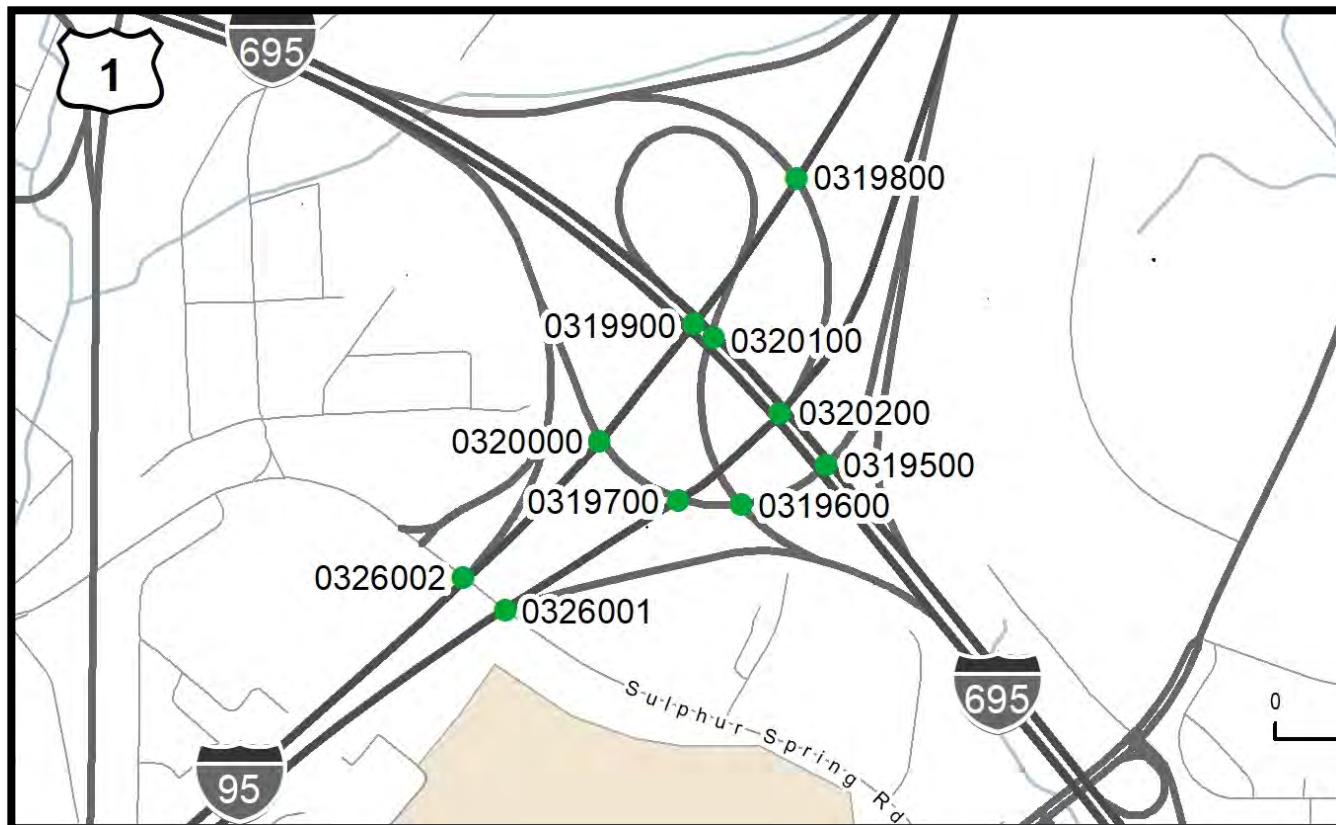
INTERCHANGE BRIDGES

- 0319800 – Southbound I-95 over I-95 Ramp I
- 0319900 – Southbound I-95 over I-695
- 0320100 – I-95 Ramp G over I-695
- 0320200 – Northbound I-95 over I-695
- 0319500 – I-95 Ramp C over I-695
- 0320000 – Southbound I-95 over I-695 Ramp C
- 0319700 – Northbound I-95 over I-695 Ramps C & G
- 0319600 – I-695 Ramp C over I-95 Ramp G
- 0326002 – Southbound I-95 & Ramp D over Sulphur Spring Road
- 0326001 – Northbound I-96 & Ramp H over Sulphur Spring Road

I-95/I-695 Interchange Bridge Deck Replacement



INTERCHANGE BRIDGES



I-95/I-695 Interchange Bridge Deck Replacement



SCHEDULE

- **Advertisement: February 22, 2022**
- **Notice to Proceed: June 6, 2022**
- **Open to Traffic: Summer 2024**

I-95/I-695 Interchange Bridge Deck Replacement



TOTAL COST

Design	\$2,200,000
<u>Construction</u>	<u>\$25,000,000</u>
Total	\$27,200,000

Federal Aid: \$25,804,000

MDOT SHA is using toll credits to increase the share of federal funding to approximately 95%

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