



B&P Tunnel Replacement Program Pre-Construction Meeting

Wednesday September 14, 2022 - 6:00pm
Perkins Square Baptist Church

Safety and Security Briefing



Emergency Preparation

Ensure all parties know the physical address of your location

Discuss location and retrieval of emergency equipment

Identify who is CPR qualified, who will call 911 and their backup

Communicate the site evacuation plan



Evacuation

Communicate the need to evacuate

Follow facility evacuation plan

Assist those who may need help evacuating

Wait for permission to re-enter the facility



Situational Awareness

Proactively identify and mitigate hazards

Always be cognizant of your surroundings

Follow rules and policies



Health and Welfare

Take seasonal precautions

Isolate if sick

Make wellness a priority



Security

See something, say something

Active Shooter: Flee, Hide, Fight

Display and verify proper identification



Cybersecurity

Pay attention to phishing traps in emails

Do not click on links or attachments from unknown sources

Report all suspicious activity and cyber incidents



Meeting Purpose

- Share information about the upcoming Program construction work:
 - Warwick Avenue Bridge
 - Lafayette Avenue Bridge
 - General construction
- Solicit feedback from the community
- Provide updates on program activities

Today's Agenda

- B&P Tunnel Replacement Program Overview
- Amtrak in the Community
- Community Investment Projects
- Upcoming Program Activities
 - Warwick Avenue Bridge Replacement
 - Lafayette Avenue Bridge Replacement
- Potential Construction Impacts
- Next Steps

Project Team

Jeff Ensor

Amtrak Project Management

Danelle Hunter

Amtrak Outreach Management

Mark Milton

Amtrak Project/ Construction Management

Odessa Phillip, PE* and Nikia Mack

Outreach Team

Dan Warren, PE and Jeremy Mocny, PE

Design Team

* Tonight's Presenter

Program Overview

Existing Tunnel Facts



- Opened in 1873
- Located between West Baltimore MARC and Baltimore Penn Station
- Is a crucial link for Amtrak and MARC Penn Line on the Northeast Corridor (NEC)
- Current tunnel is 1.4 miles long

B&P Tunnel Replacement Program

The Program includes the complete modernization of Amtrak's Northeast Corridor (NEC) in West Baltimore. Elements of the program:

- New and improved rail tracks
- New ADA compliant West Baltimore MARC Station
- Bridge and roadway reconstruction
- Modern fire/ life safety systems
- New Frederick Douglass Tunnel
- Community investment projects

Key Benefits of Program



INCREASED BENEFITS

Increased service reliability, capacity and speed



30 MINUTES

Travel from Baltimore to Washington in under 30 minutes



ACCESSIBILITY

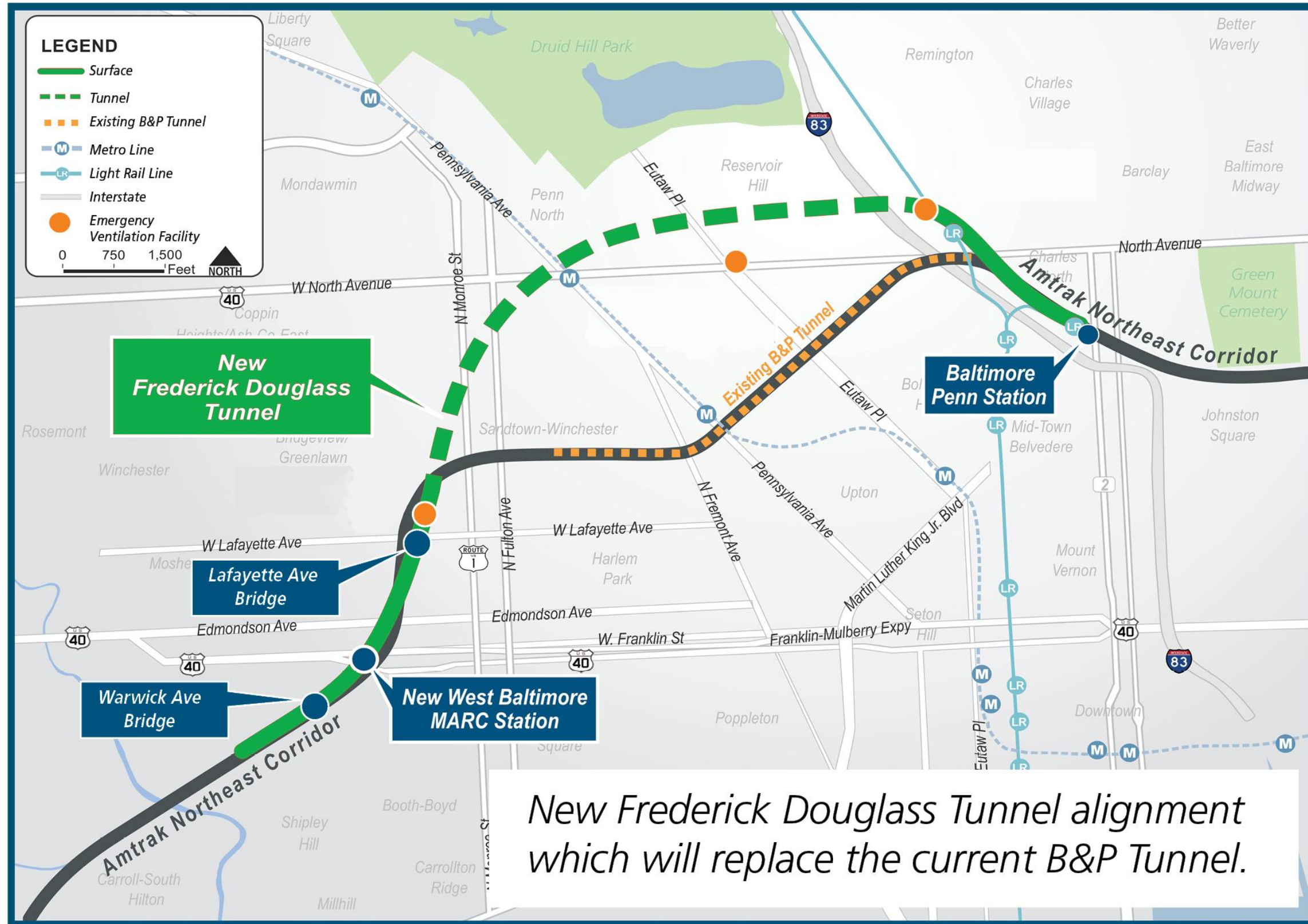
Creating accessibility for all with new ADA-accessible WBAL MARC Station



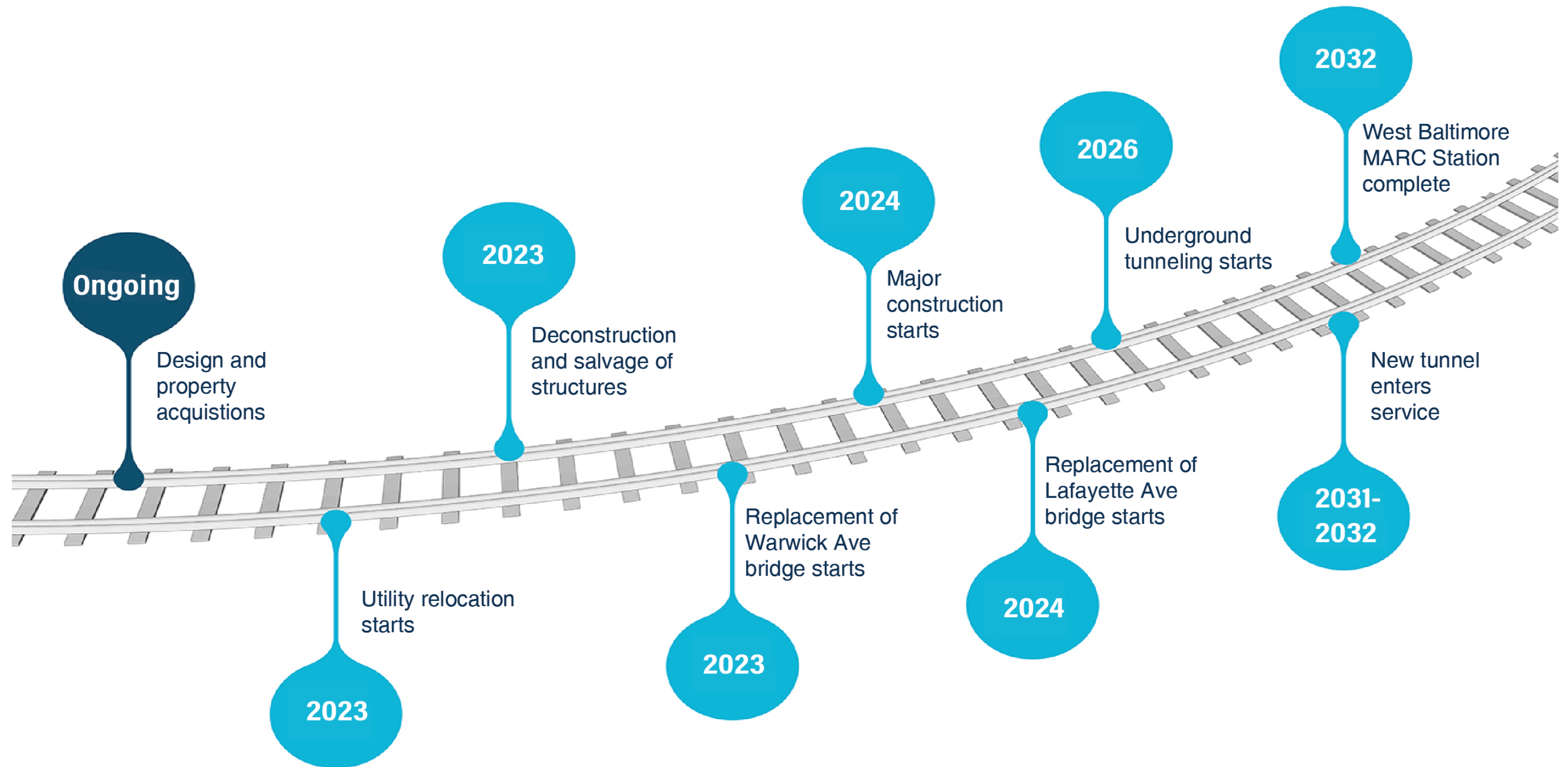
20,000 JOBS

Project will generate approx. 20,000 jobs over course of construction and \$50 million for community investments

Project Map



Preliminary Schedule*

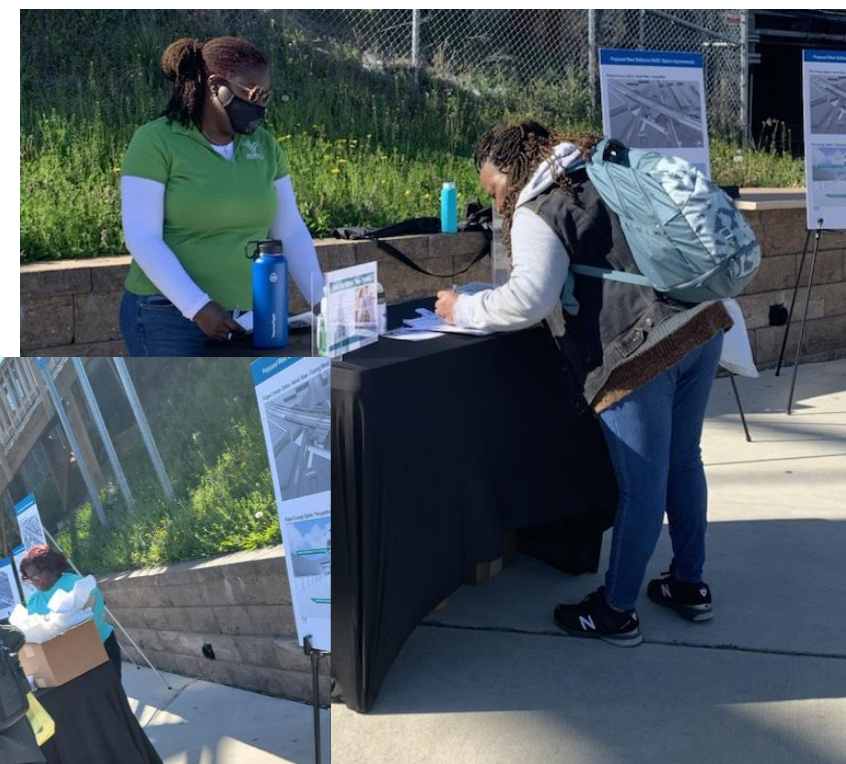
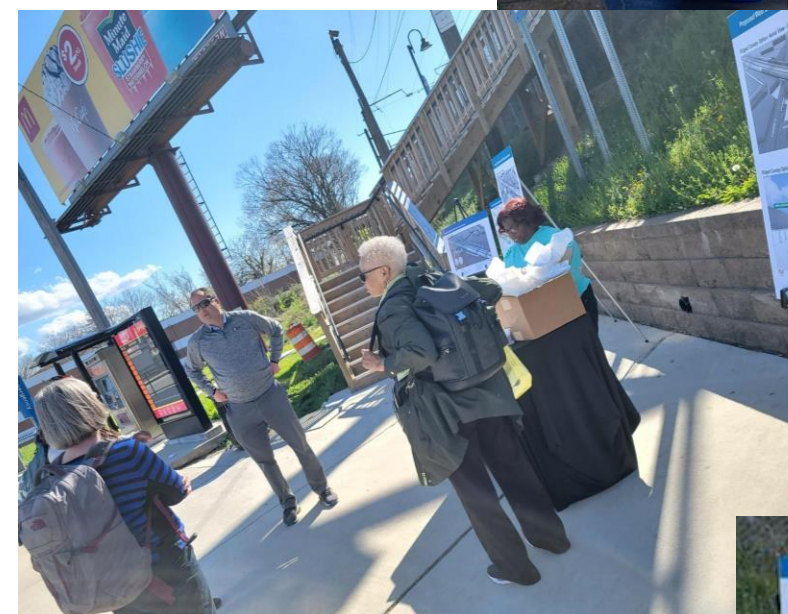


* Working Draft, subject to revision

Amtrak in the Community

Amtrak is committed to investing in West Baltimore.

- West Baltimore MARC Station Pop-up Meeting (June 2022)
- Community Clean-up (July 2022)



Community Investment Projects



Community Investment Criteria

Amtrak has established a \$50M fund for community investments in West Baltimore.

Areas of focus for community investment

- Workforce Development
- Community Development
- Greenspace Creation

It is our objective to invest in program(s) or initiative(s) that:

- Provide economic impact to the community
- Provide job skills and/or training that can lead to long term employment
- Make a positive impact on West Baltimore

Community Investment Criteria (cont'd)

Amtrak is looking to support projects or organizations that meet specific criteria as they relate to the delivery of community investment projects. These include:

- **Community investment - must align with the following key considerations**
 - Funding commitment
 - Community need & benefit
 - Capacity to deploy funds
 - Prior Community Partnership
 - Diversity of engagement
 - Broadest community reach
- **Priority of Location**
 - West Baltimore
 - Proximity to project area
 - Within ¼ mile of the project alignment

Upcoming Project Activities

Warwick Avenue Bridge Reconstruction

Warwick Avenue Bridge

Existing Condition



Looking North on Warwick Avenue

Warwick Avenue Bridge Project

Project Location

- Amtrak Railroad Bridge over North Warwick Avenue

Project Limits

- North Warwick Avenue between 300 N Warwick and Lexington St

Project Highlights

- New roadway surface on N. Warwick Avenue
- Install high visibility LED lighting
- Construct ADA accessible pedestrian walkways
- Install ornamental safety railing on sidewalk along roadway
- Install safety fencing

Warwick Avenue Bridge Renderings



Looking Northeast on N. Warwick Avenue

Frederick Douglass Tunnel
B&P TUNNEL REPLACEMENT

AMTRAK®

Warwick Avenue Bridge Renderings



Looking Northeast on N. Warwick Avenue



Warwick Avenue Bridge Renderings



Looking Northwest on N. Warwick Avenue

Frederick Douglass Tunnel
B&P TUNNEL REPLACEMENT



Warwick Avenue Bridge Construction

Construction Workflow

- Prepare bridge site along Warwick Avenue
- Build new abutments under existing bridge
- Construct new bridge next to existing bridge
- Cut and remove existing bridge
- Shift new bridge into place

Anticipated Construction Schedule

- Spring/Summer 2023 thru Fall/Winter 2024

Warwick Avenue Bridge Project – Construction Approach

Staged Bridge Construction

- Partner with BC DOT to minimize traffic interruptions (car, pedestrian, bike)
- Maintain Amtrak and MARC NEC rail service

Accelerated Bridge Construction (ABC) technique

- Use to maximize construction activities within allowable track and street closure timeframes

Temporary Impacts to Traffic Operations

- Implement lane shifts
- Narrow travel lanes, as needed
- Implement intermittent short-term closures with detours
- Place temporary parking restrictions



**Northbound
N Warwick Avenue
Detour:**

W. Lexington St. to
N. Smallwood Ave. to
W. Franklin St.

**Southbound
N Warwick Avenue
Detour :**

W. Mulberry St. to
N. Smallwood St. to
W. Lexington St.

**Warwick Avenue Bridge Project
Traffic Operations – Detour Route**

Lafayette Avenue Bridge Reconstruction

Lafayette Avenue Bridge Project

Project Location

- West Lafayette Avenue Bridge Replacement

Project Limits

- Lafayette Avenue between N. Bentalou and N. Pulaski St

Project Highlights

- New bridge structure and roadway surface
- Install high visibility LED lighting
- Construct ADA accessible pedestrian walkways
- Install ornamental safety fencing

***West half of bridge will be replaced later to improve bridge geometry/safety**

Lafayette Avenue Bridge Project

Anticipated Construction Schedule

- Winter/Spring 2024 thru Fall/Winter 2024

Construction Workflow

- Prepare bridge site near the Lafayette Avenue Bridge
- Deconstruct existing bridge (east half only)
- Construct new bridge approach and retaining walls within enclosed site

*West half of bridge will be replaced later to accommodate bridge geometry/safety

Lafayette Avenue Bridge

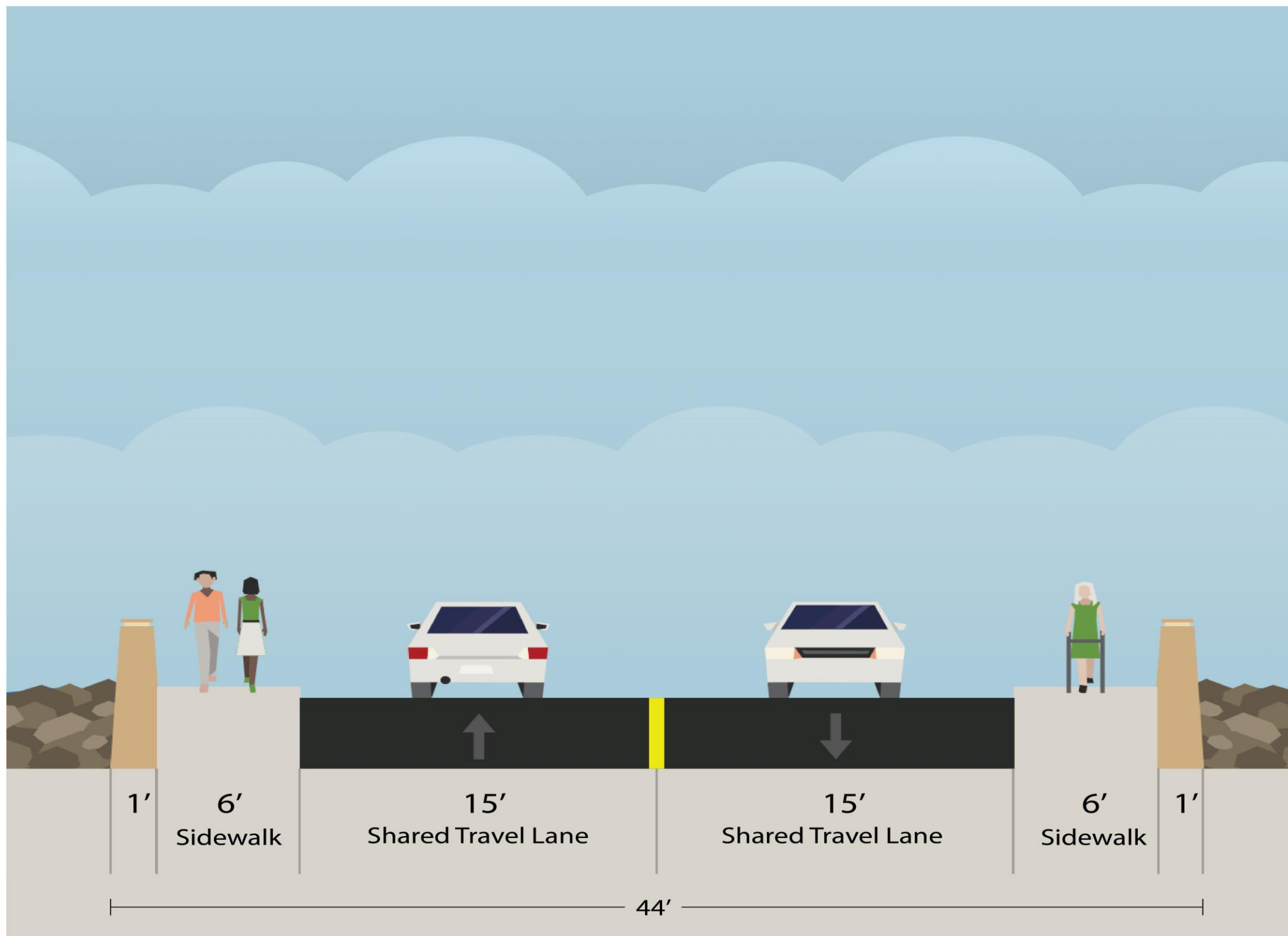


Looking North at Existing Bridge



Looking North showing proposed

Lafayette Avenue



Next Steps

Outreach Schedule



Stay Involved

To learn more about future engagement opportunities:

Visit our Website: <https://www.bptunnel.com>

Follow us on Instagram: @BPTunnel

Follow us on Facebook: B&P Tunnel Replacement Program

Thank You!



Frederick Douglass Tunnel

B&P TUNNEL REPLACEMENT

