



# Frederick Douglass Tunnel

B&P TUNNEL REPLACEMENT



**Industry Day**

**Coppin State University**

Thursday, March 2, 2023

# Safety and Security Briefing



## Emergency Preparation

Our physical address is 2500 W. North Ave. Baltimore, MD 21216

Who will call 911, and who is their backup?

Who is CPR/AED qualified?

Emergency equipment location

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 aware of surroundings

Follow rules and policies



## Health and Welfare

Wellness is a priority

Take seasonal precautions

Isolate if sick



## Security

See something, say something: call 800-331-0008 / text 27311

Active Shooter: Flee, Hide, Fight

Display and verify proper ID on Amtrak property



## Cybersecurity

Pay attention to phishing traps in emails

Don't click on links or attachments from unknown sources

Report all suspicious email and cyber incidents



# Introductions

- Tony Ryan, Capital Delivery
  - VP of Project Development and Planning Services
- Dr. Anthony Jenkins, Ph.D., CSU
  - 8th President of Coppin State University
- Mark Milton, Capital Delivery
  - Senior Director of B&P Tunnel Replacement Program
- David Abrahams, JV Designer of Record
  - Project Manager
- Martin Klein, Procurement
  - Senior Director of Procurement
- Leatha King, Supplier Diversity
  - Lead Supplier Diversity Specialist





# Agenda

1. Safety Briefing
2. Introductions
3. Opening Remarks
4. Welcome
5. Program Overview
6. Procurement Overview
7. Supplier Diversity
8. Q&A
9. Closing Remarks

# Opening Remarks

**Tony Ryan**

**VP of Project Development and Planning Services**

# Coppin State University

## Welcome

**Dr. Anthony Jenkins, Ph.D.**  
**President, Coppin State University**

# Program Overview

**Mark Milton**

**Discipline Chief Engineer of B&P Tunnel Replacement Program**

**David Abrahams**

**Joint Venture, Designer of Record**



# Existing B&P Tunnel

**Existing tunnel is 150 Years old....Nearly as old as Druid Hill Park!**

Carries 9 million MARC & Amtrak passengers per year on the Northeast Corridor (NEC) (MARC's Penn Line)

## Top Issues:

1. Deteriorating structure
2. Excessive water infiltration
3. High maintenance (frequent outages)
4. No redundancy & resiliency
5. Bottleneck (capacity + slow speeds)
6. Too small to add fire/life safety systems

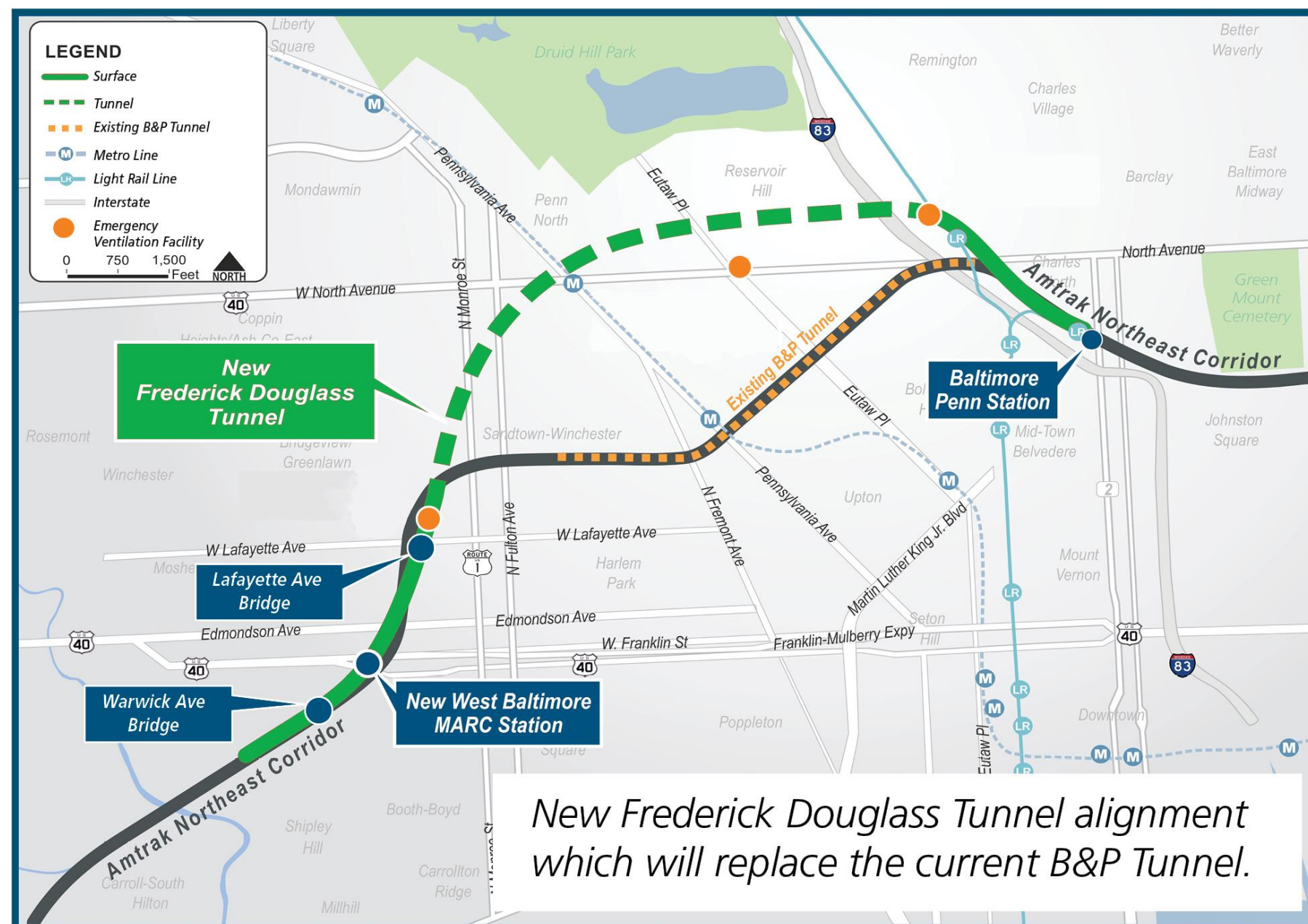




# Program Overview

## The B&P Tunnel Replacement Program will modernize a key section of the NEC

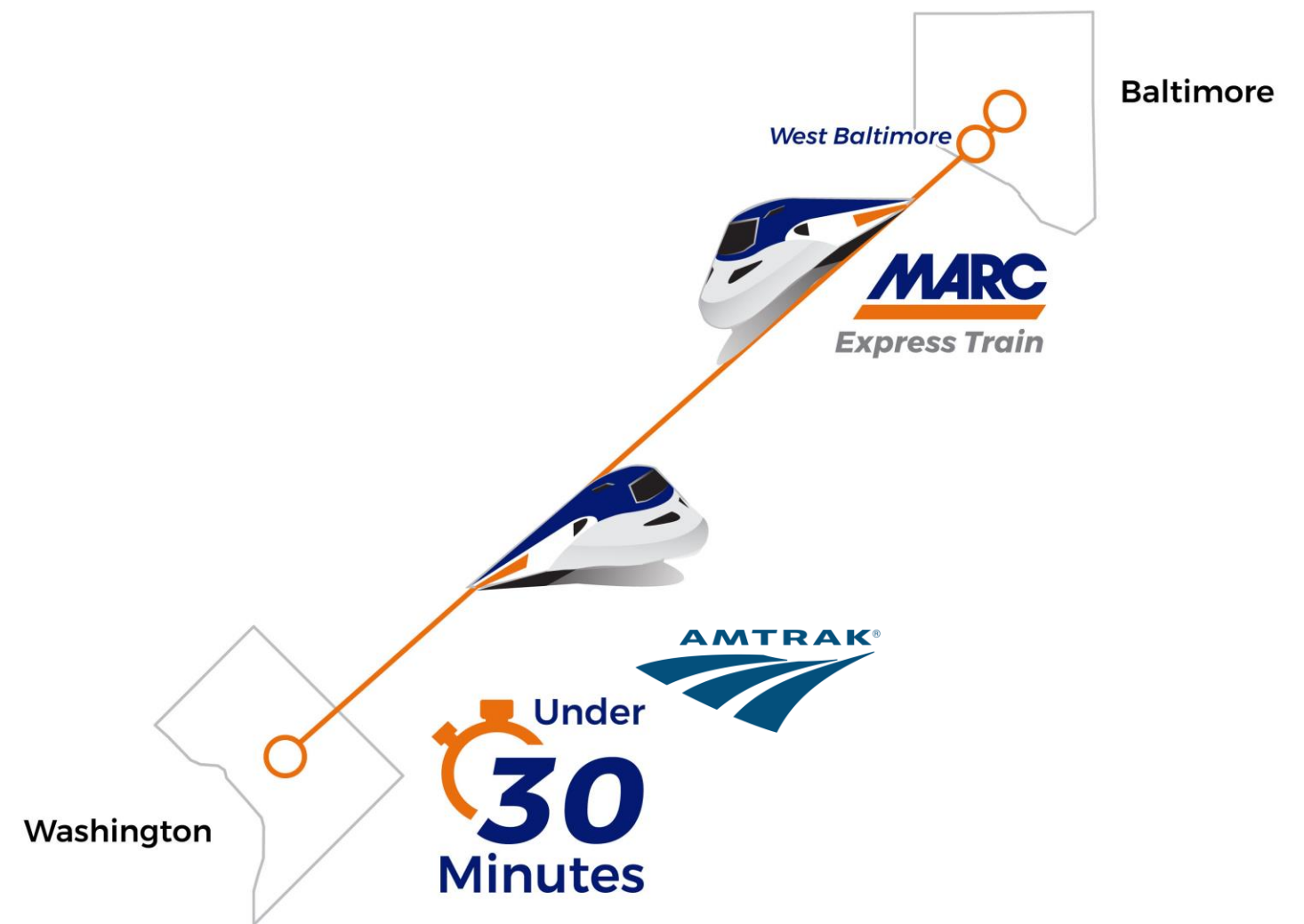
- Includes new Frederick Douglass Tunnel, bridges, track and systems upgrades, new West Baltimore MARC station
- Addresses biggest bottleneck between DC & NJ
  - Increases capacity
  - Reduces trip time
  - Enhances speed & reliability:
    - Saves 7 hours of train delay per weekday
    - 30 mph → 100+ mph



# Benefits

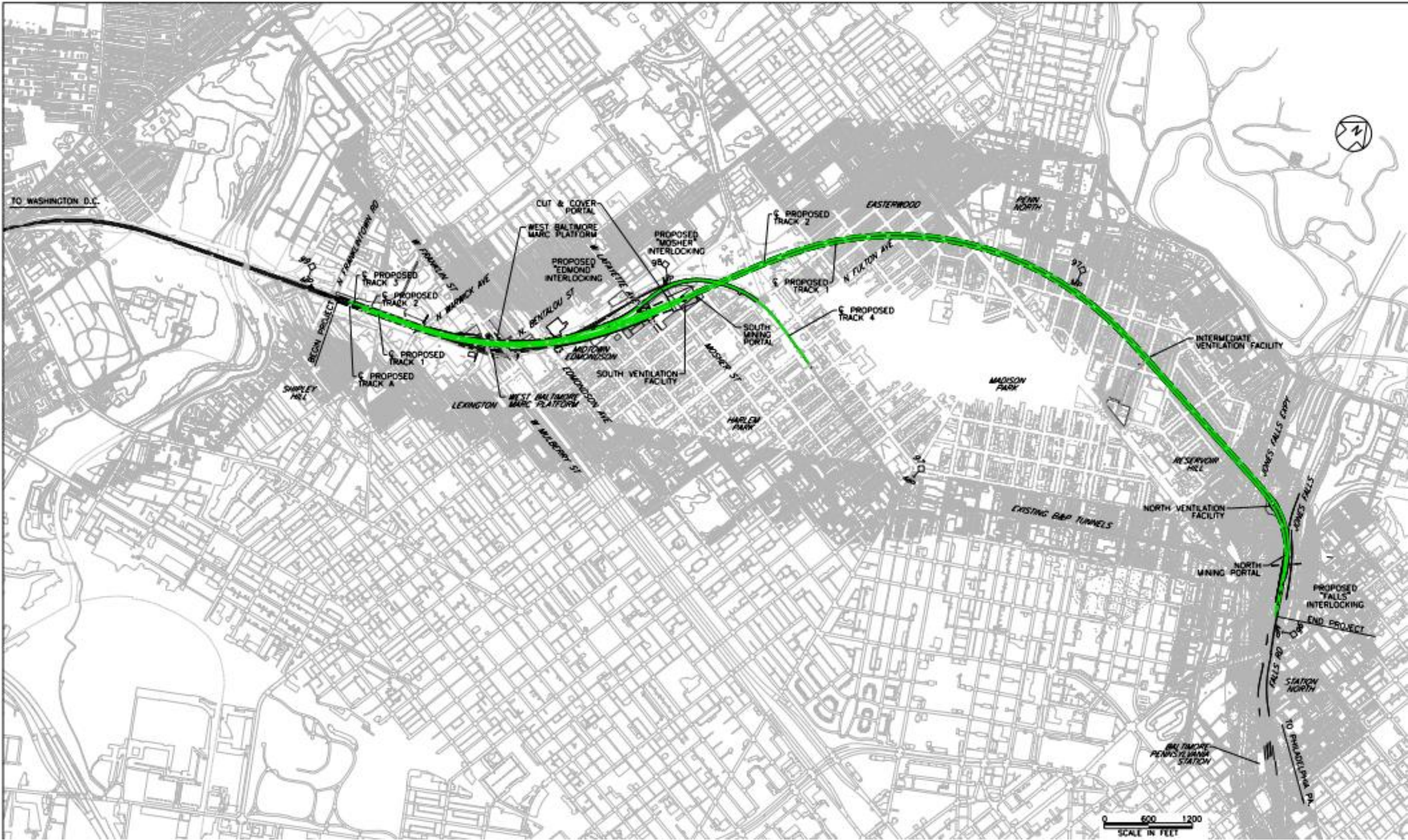
## Rail Service

- Reduces trip time (less than 30 minute trip DC-Baltimore)
- Increases capacity and speed
- Improves operational reliability
  - Fewer delays
  - Elimination of single point of failure
- Builds a new ADA-Accessible West Baltimore MARC Station
- Adds fire/life safety systems





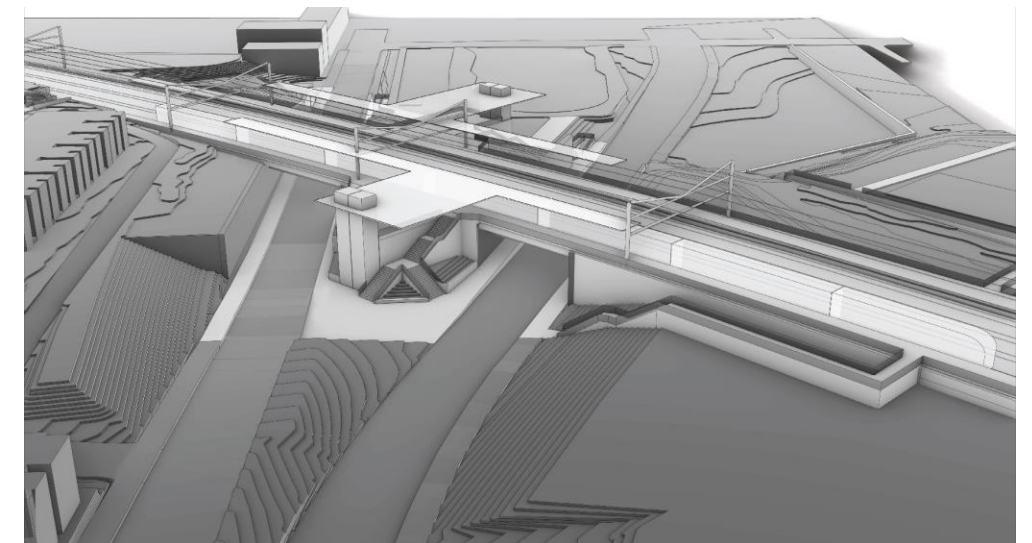
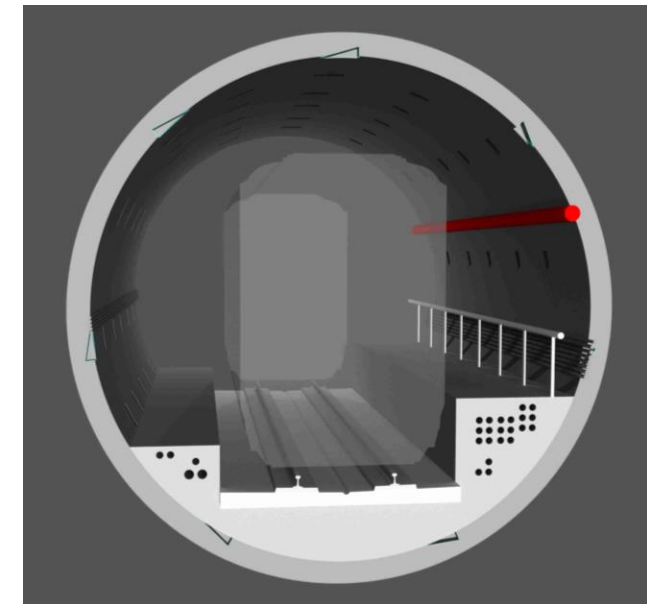
# Program Alignment





# Program Scope Highlights

	Quantity
Tunnel Bores (26' ID)	2
Ventilation Facilities Southern, Intermediate, & Northern	3
Bridge Replacements	5
Undergrade RR (Warwick, Franklin, Mulberry)	3
Overhead Roadway (Edmondson & Lafayette)	2
Commuter Rail Stations West Baltimore (WBAL) MARC	1
Interlockings	5
New (Wilkins, Mosher, Edmond)	3
Replaced (Winans & Charles)	2
Track & Catenary	30+ miles
Retaining Walls	~200,000 SF
Concrete	~600,000 CY

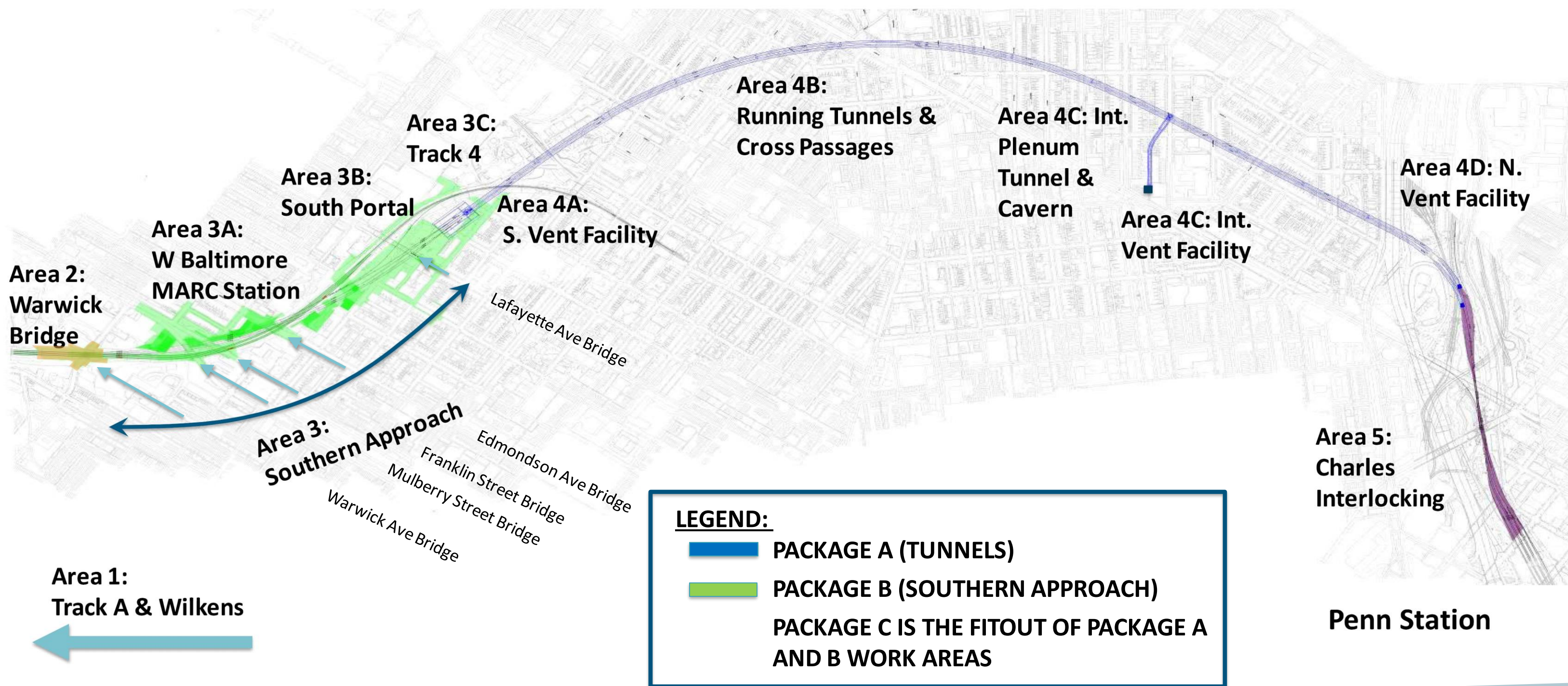


Disclaimer: Rendering is based on current design and is subject to change as design develops.



# Program Work Areas

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# Wilkens Interlocking

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## Scope of Work

- Track Reprofilng
- Track Widening
- OCS Replacement
- New special trackwork and track side equipment



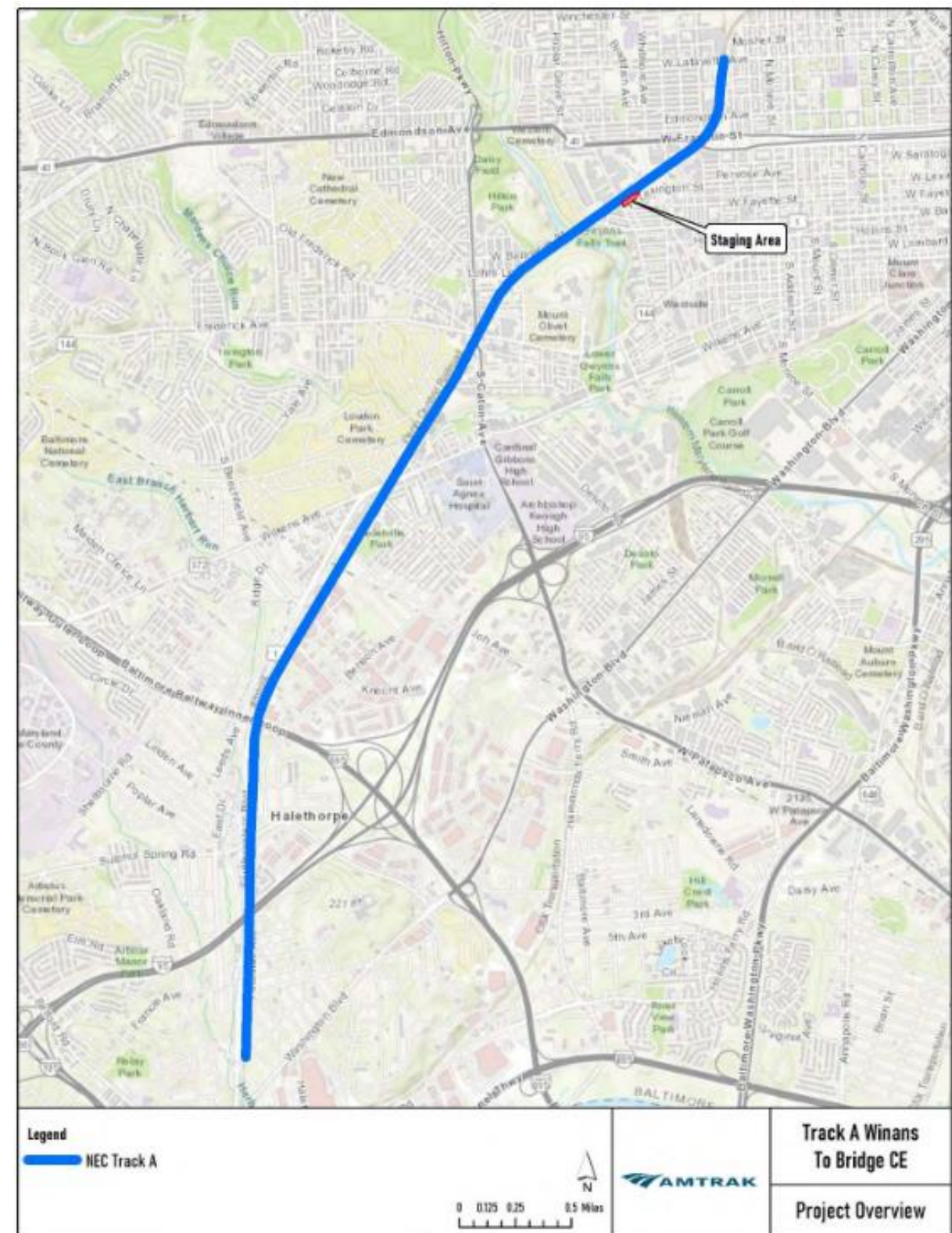


# Track A Upgrades

## Scope of Work (Internal forces)

Replacing and upgrading approximately five miles of track going from wood to concrete ties in addition to new rail and ballast to increase speeds from 60 to 90 mph. The section of track goes from Halethorpe Station to north of West Baltimore Station.

- Approximately 13,200 new concrete ties and 52,800 feet of new rail
- Approximately 26,500 feet of track undercutting drainage improvements
- Track Reprofilng
- Track Widening
- New special trackwork and track side equipment and infrastructure



# Property Demolition

- ~60% Residential (29 properties)
- ~40% Commercial (19 properties)
- Amtrak Real Estate is currently negotiating the acquisitions of the remaining properties.





# Warwick Avenue Bridge Replacement

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Disclaimer: Rendering is based on current design and is subject to change as design develops.



# South Approach - Existing

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Existing Area of South Approach



# South Approach - Proposed

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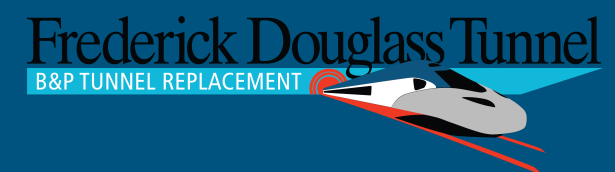


# West Baltimore MARC Station



DISCLAIMER: PROPOSED WEST BALTIMORE MARC STATION RENDERING BASED ON 30% DESIGN. SUBJECT TO CHANGE AS DESIGN DEVELOPS.

**PROPOSED NORTHBOUND STATION ENTRANCE**  
**WEST BALTIMORE MARC STATION DESIGN RENDERINGS**  
02/23/2023





# South Ventilation Facility

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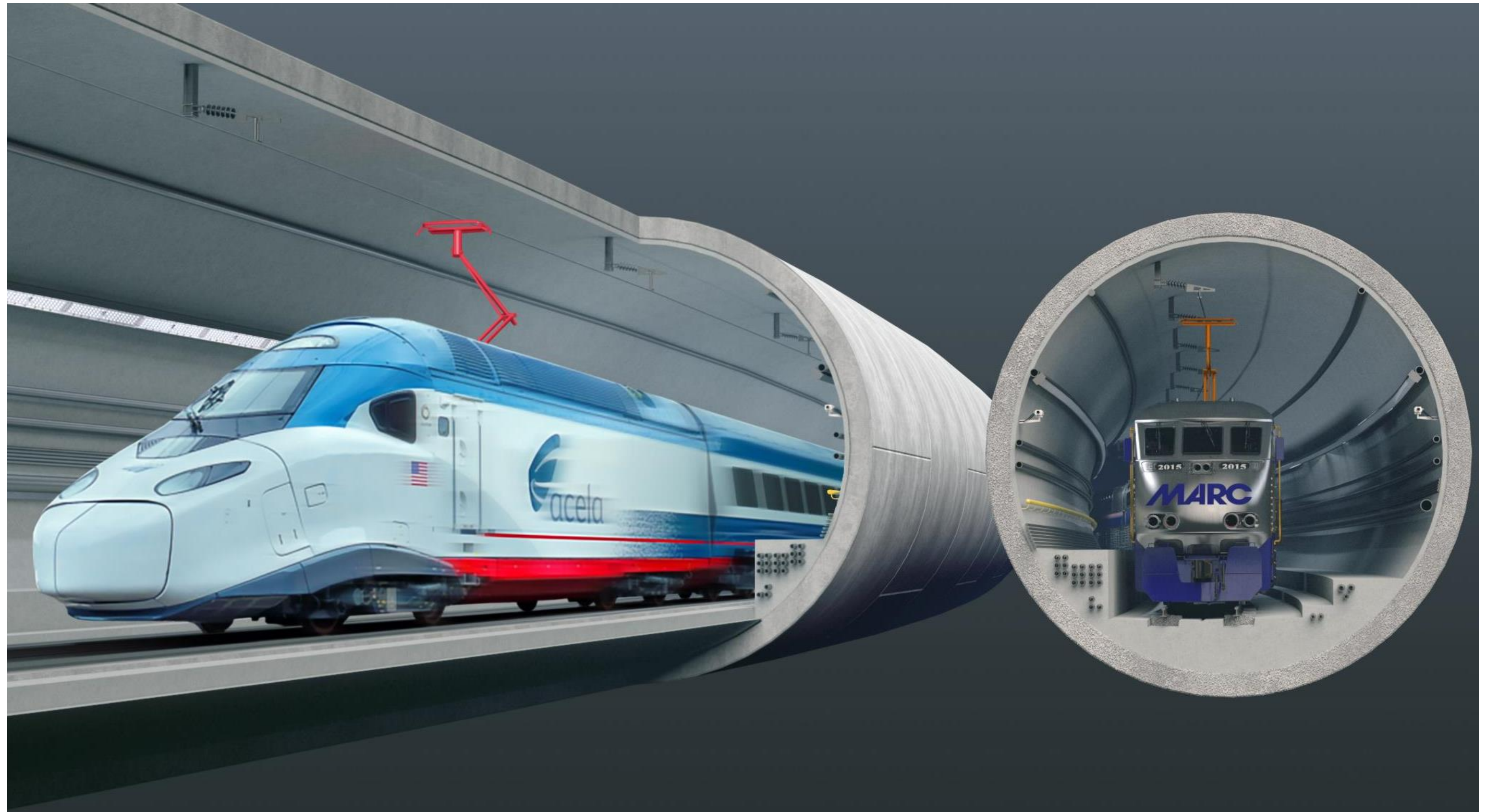
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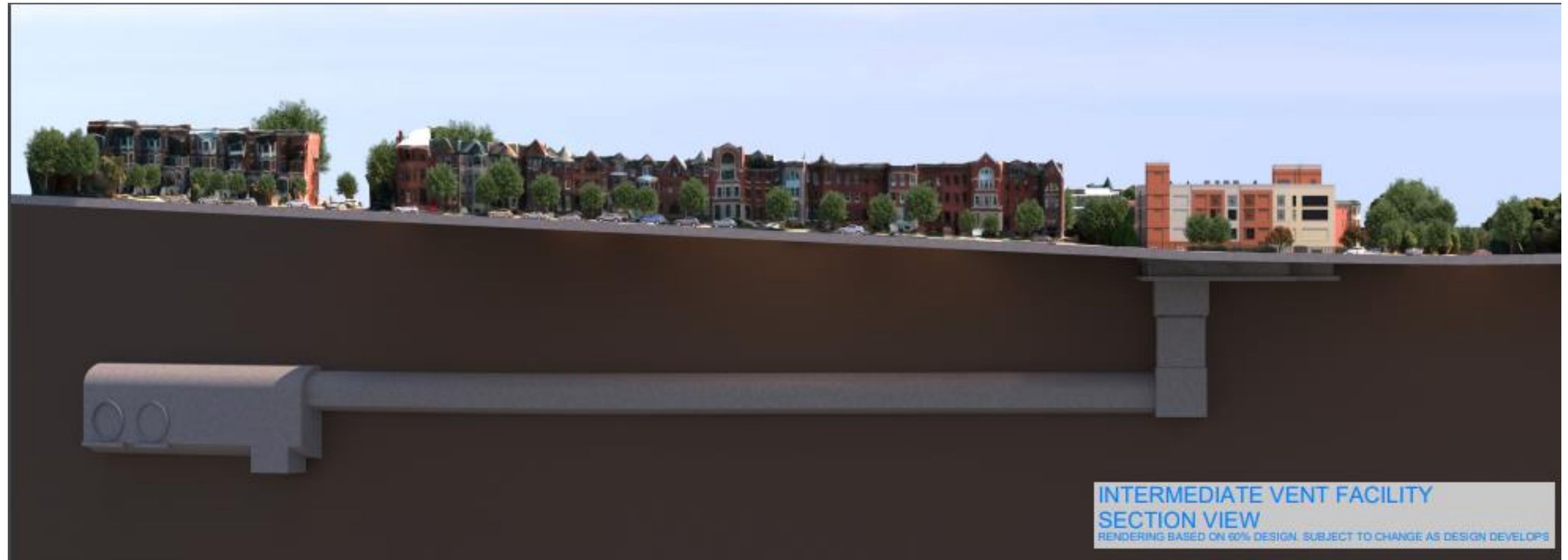
# Tunnel Section



Disclaimer: Rendering is based on current design and is subject to change as design develops.

# Intermediate Ventilation Facility

25





# North Ventilation Facility And North Portal

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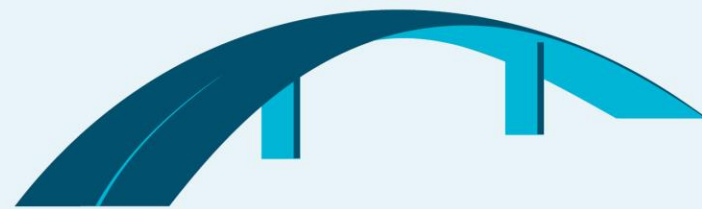
# Benefits & Impacts

# Benefits & Impacts



## COMMUNITY INVESTMENTS

\$50 million  
for community  
investments



## INFRASTRUCTURE

Improvements  
to transportaion  
infrastructure



## 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





# Benefits & Impacts

## Community Impact

- Amtrak has made a \$50M commitment to invest in West Baltimore communities
  - Community development grants to non-profits
  - Park improvements and community gardens
  - Greenspace / Recreational Facilities / Art
  - Streetscape (including street trees) investments
  - Bike/ped improvements
- \$2.75M toward historic preservation in Baltimore community





# Benefits & Impacts

## Jobs Impact

- 20,000 jobs created
  - Apprenticeship programs
- Amtrak is committed to local workforce development
  - A jobs center in West Baltimore
  - Partnerships w/ local universities and tech programs
  - Ensuring jobs for individuals of economic and social disadvantage



# Project Labor Agreement

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- An agreement formally recognizing the PLA is finalized and executed
- The PLA will serve as a collective bargaining agreement governing conditions of employment for workers involved with the Program
  - Will ensure that Amtrak and NABTU will not suffer labor-related delays in the planning and contracting of major projects
  - Contractors and Subcontractors share Amtrak's commitment to paying fair wages and benefits
  - The agreement applies to members of NABTU's fourteen affiliate organizations, addresses wages, benefits, working conditions, avoiding work disruption, and promoting diversity and veteran hiring in the construction trades.

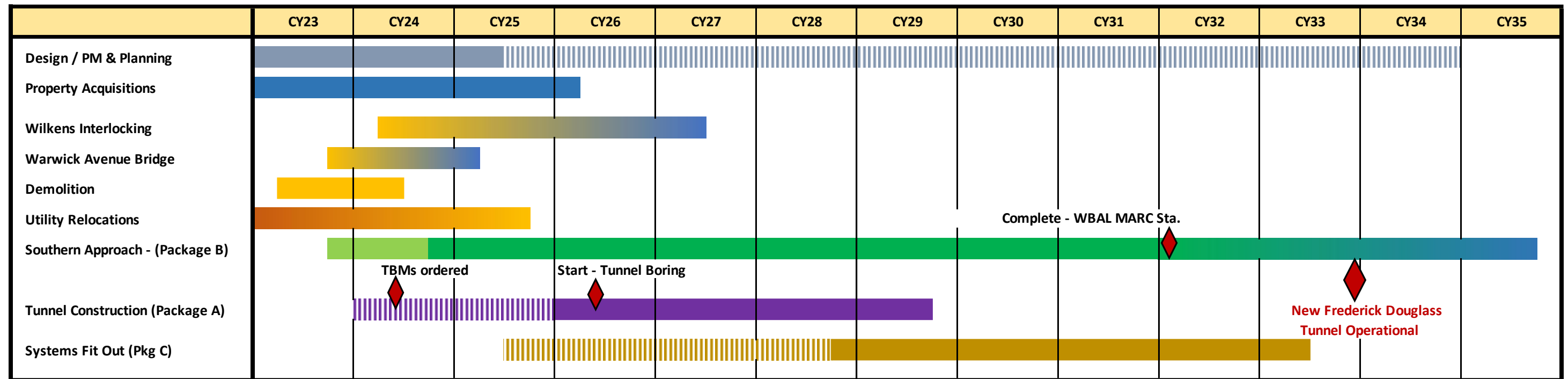


On January 30<sup>th</sup> President Biden joined Amtrak at event announcing Project Labor Agreement for B&P Tunnel Replacement Program.

# Program Schedule



# Preliminary Program Construction Schedule\*



\* - Schedule Based on preliminary design and is subject to change

# Procurement Overview



# Property Demolition Task Order Contracts

- Single Step procurement process
- RFP X097-22363 released on December 30, 2022.
- Multiple Award Task Order Contract
  - Commercial Property
  - Residential Property
- Status: Proposals are due on March 17, 2023
- Anticipated Award Date: Q2 2023





# Warwick Avenue Bridge Replacement (X140-23167)

36



Disclaimer: Rendering is based on current design and is subject to change as design develops.

- Request for Qualification (RFQ) released on January 27, 2023
- A two-step construction procurement (RFQ-RFP).
- Design-Bid-Build
- 100% Design completed
- Status: Statement of Qualifications due on March 21, 2023. RFP will be released to shortlisted firms on or about April 7, 2023.
- Anticipated Award Date: Q2 2023



# B&P Tunnel Replacement -South Approach (Package B)

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- Construction Manager at-Risk (CMAR)
- RFP X097-22273 released on October 21, 2022
- Anticipated Award Date: May 2023
- Status: Shortlisted Firms will be notified in early March.



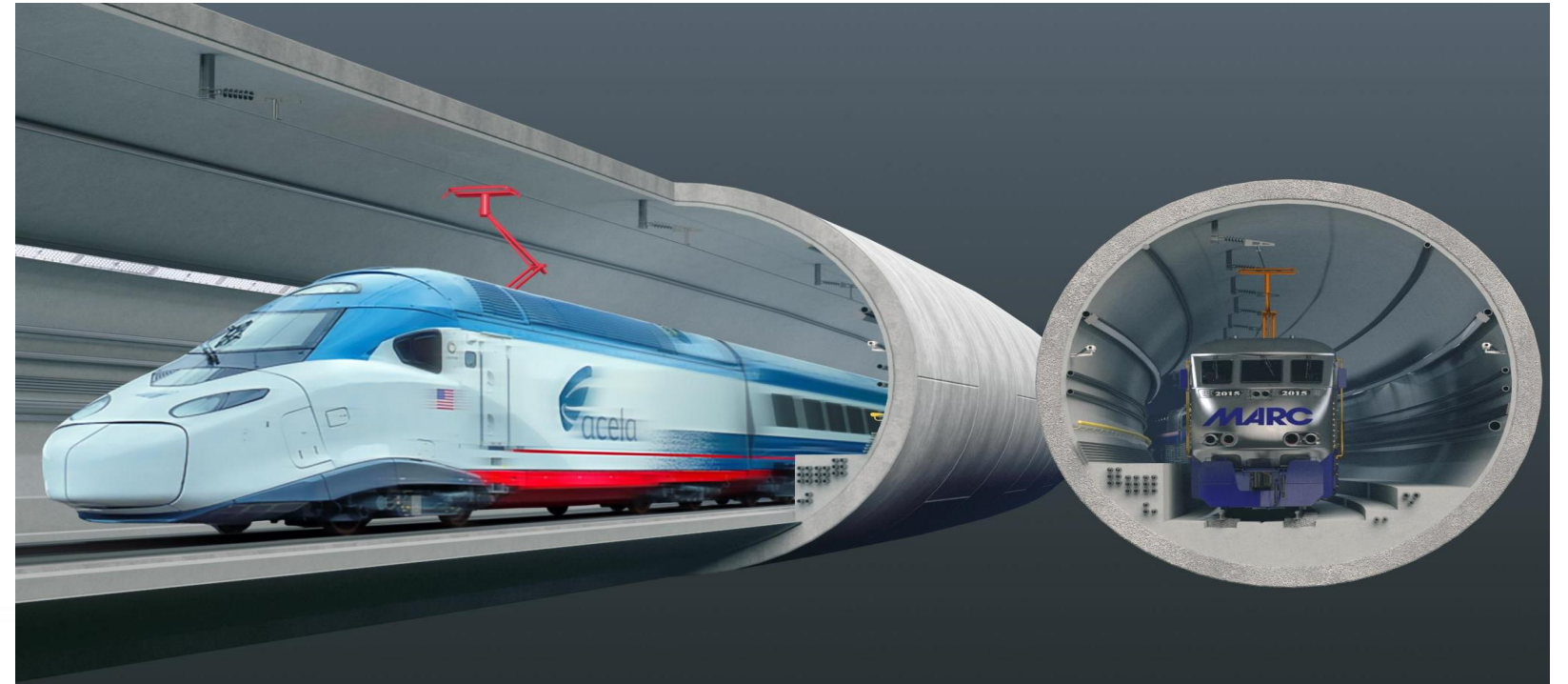
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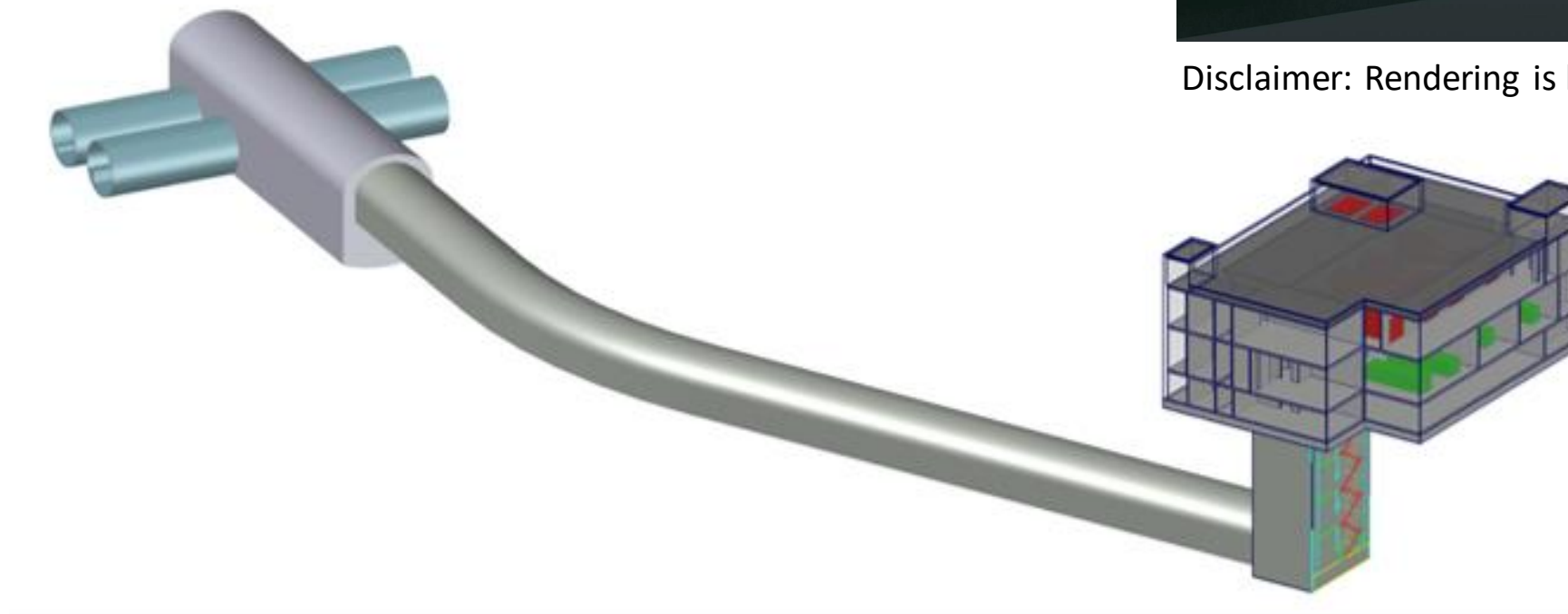
# Frederick Douglass Tunnel (Package A)

38

- Construction Manager at-Risk (CMAR)
- Two-Step Procurement Process (RFQ-RFP)
- Anticipated Released date of RFQ early March
- Anticipated Award Date: Q3 2023



Disclaimer: Rendering is based on current design and is subject to change as design develops.



Frederick Douglass Tunnel  
B&P TUNNEL REPLACEMENT



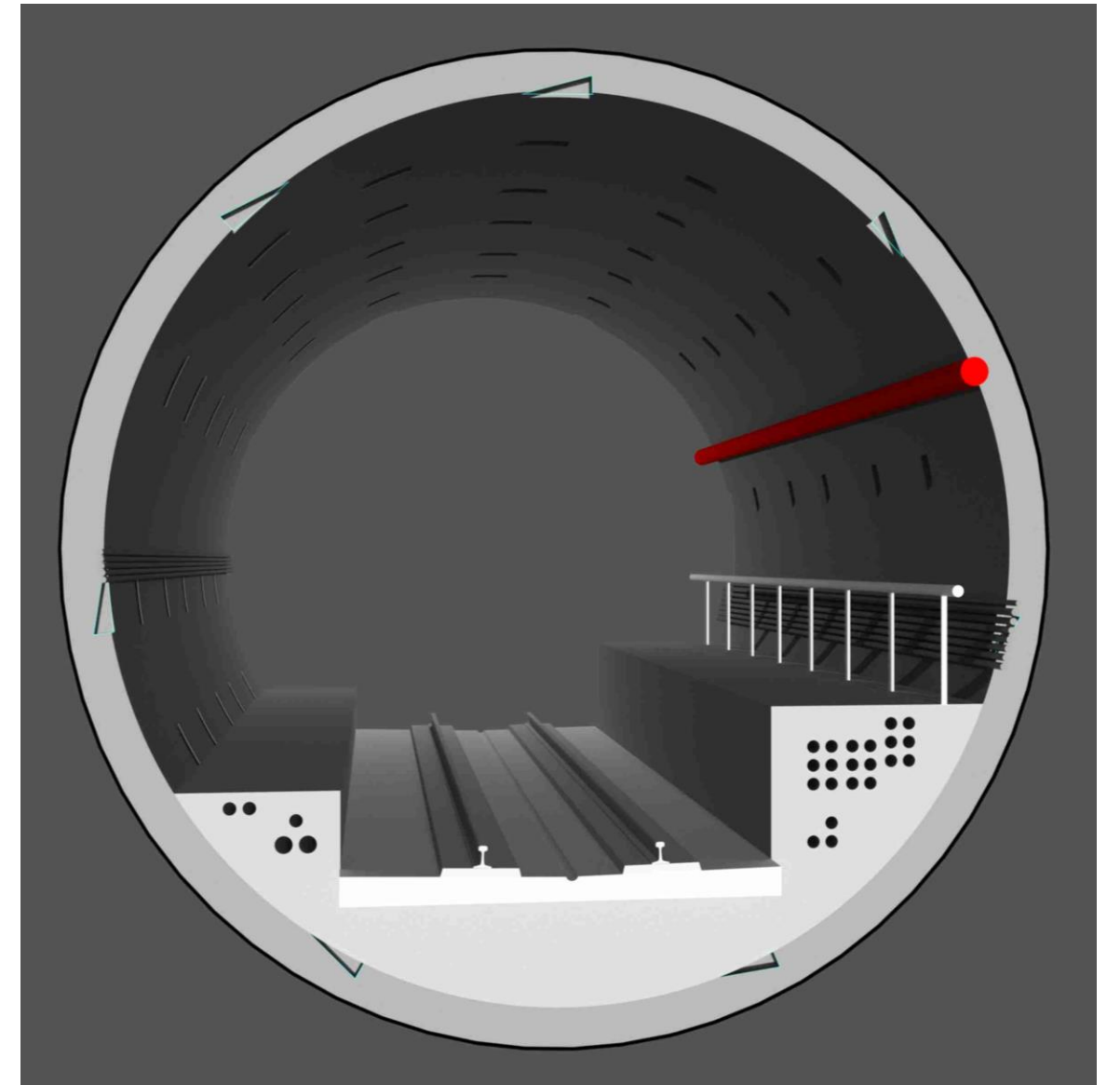
AMTRAK®



# Systems Fit Out and Facilities (Package C)

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Anticipated Award Date: Q4 2025

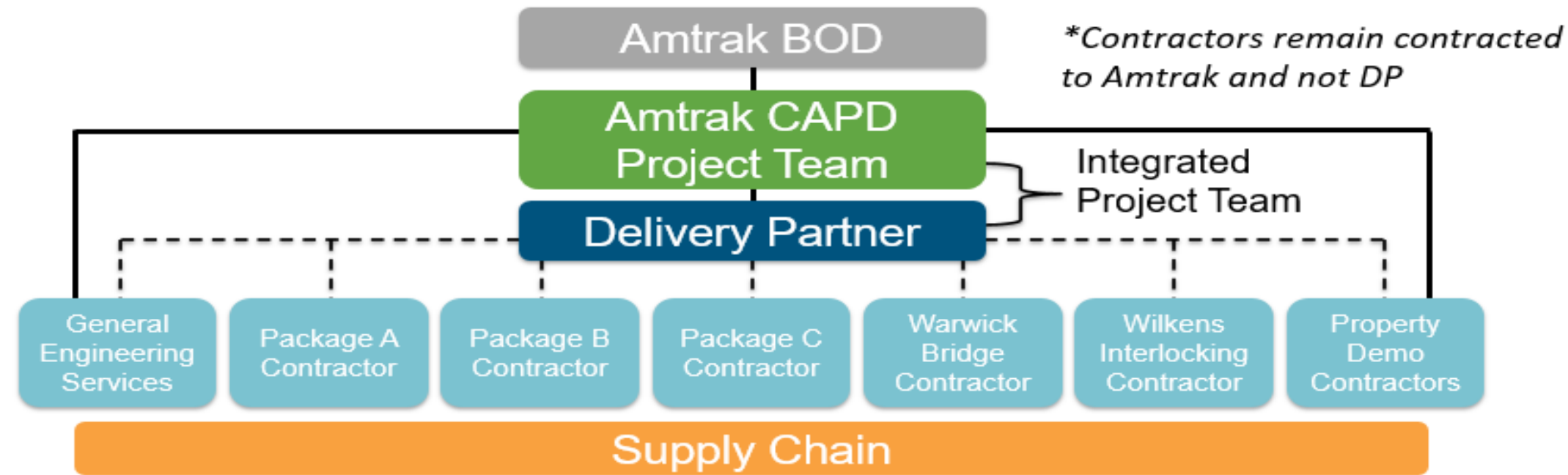


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# B&P Tunnel Replacement Program Delivery Partner

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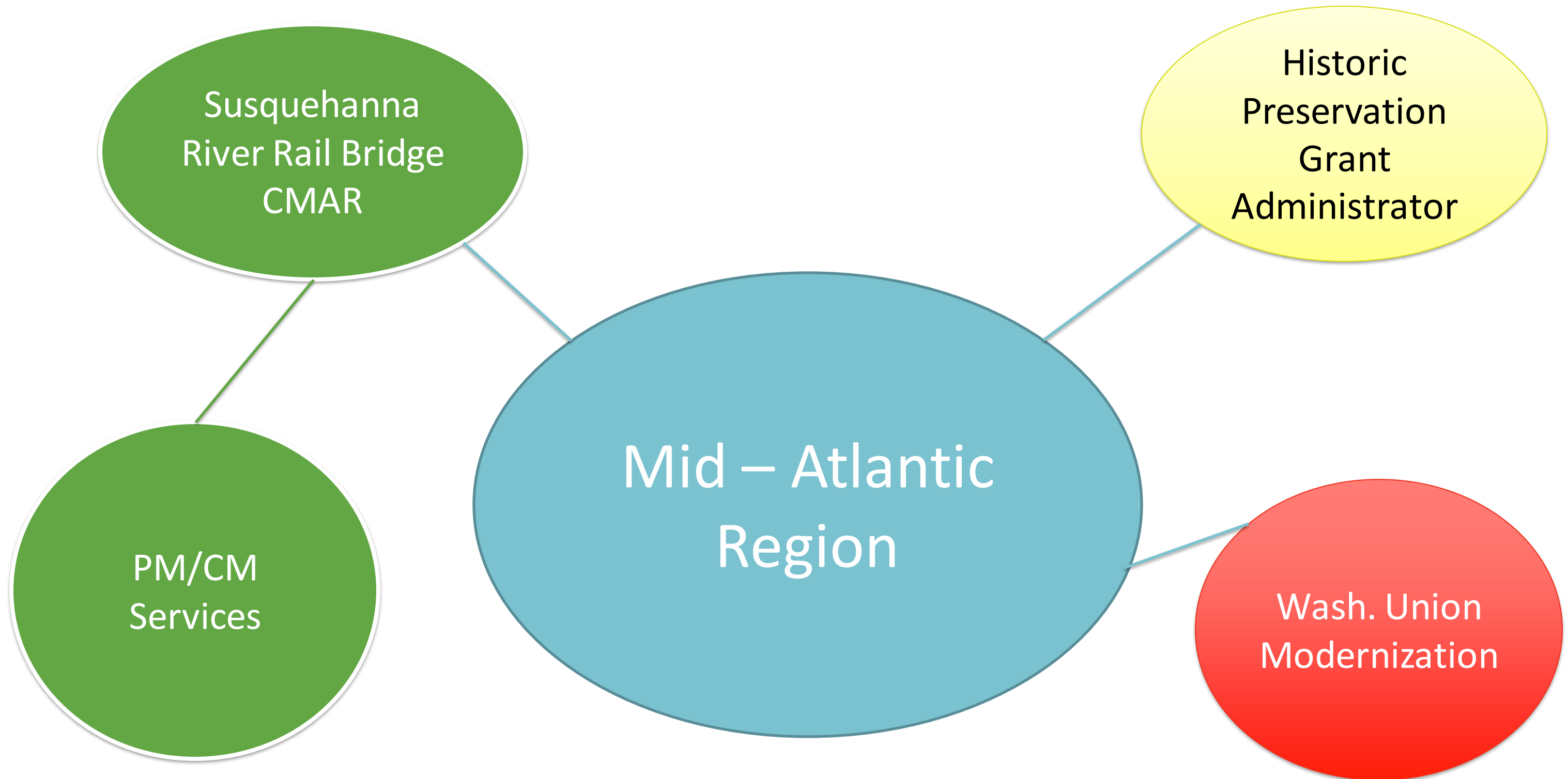


- Two- Step procurement process (RFQ-RFP)
- Delivery Partner Services
- RFQ Released on January 31, 2023
- Status: Statement of Qualifications due on April 17, 2023
- RFP will be released on or about May 11, 2023
- Anticipated Award Date: Q4 2023



# Upcoming Opportunities - Mid-Atlantic Region

41





# Upcoming Nationwide Strategic Opportunities

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## GC/Construction

- Regional Master Services Agreements with GC's to support smaller dollar capital projects

## Stations Design

- Nationwide Strategy to identify designers in support of stations and related facilities.

## Construction Management and Program Management

- Existing contracts expire in Sept. 2024. New Solicitation activities will commence early 2024.

## Independent Cost Estimating

- National Strategy to support estimating requests.



# PROCUREMENT CONTACTS

For matters related to active or upcoming opportunities in the  
Mid-Atlantic Region:

**Robert Dixon**

**Senior Manager, Construction Procurement (Mid-Atlantic Region)**

**[Robert.Dixon@Amtrak.com](mailto:Robert.Dixon@Amtrak.com)**

For access to RFQ/RFP documents or general procurement inquiries  
regarding the B&P Replacement Tunnel Program:

**[BPTunnelProcurement@Amtrak.com](mailto:BPTunnelProcurement@Amtrak.com)**

# Supplier Diversity



# SUPPLIER DIVERSITY

**Supplier Diversity program seeks to provide contracting opportunities for diverse owned businesses**



## MISSION

- Eliminate Discrimination
- Create Level playing field
- Remove barriers
- Development



## GOAL

- 15% corporate goal
- Advocacy/Support
- Promote Innovation
- Development



## PROCESS

- Supplier Registration
- Resource Centers



## PROCUREMENT

- Procurement Portal
- Sub-contracting plans
- Informational Sessions/Pre-Bid Meetings

# SUPPLIER DIVERSITY OFFICE TEAM

**Jacqueline Donaldson-Grey**

Director, Supplier Diversity

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**Patricia Barmore**

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**Michelle Gronkowski**

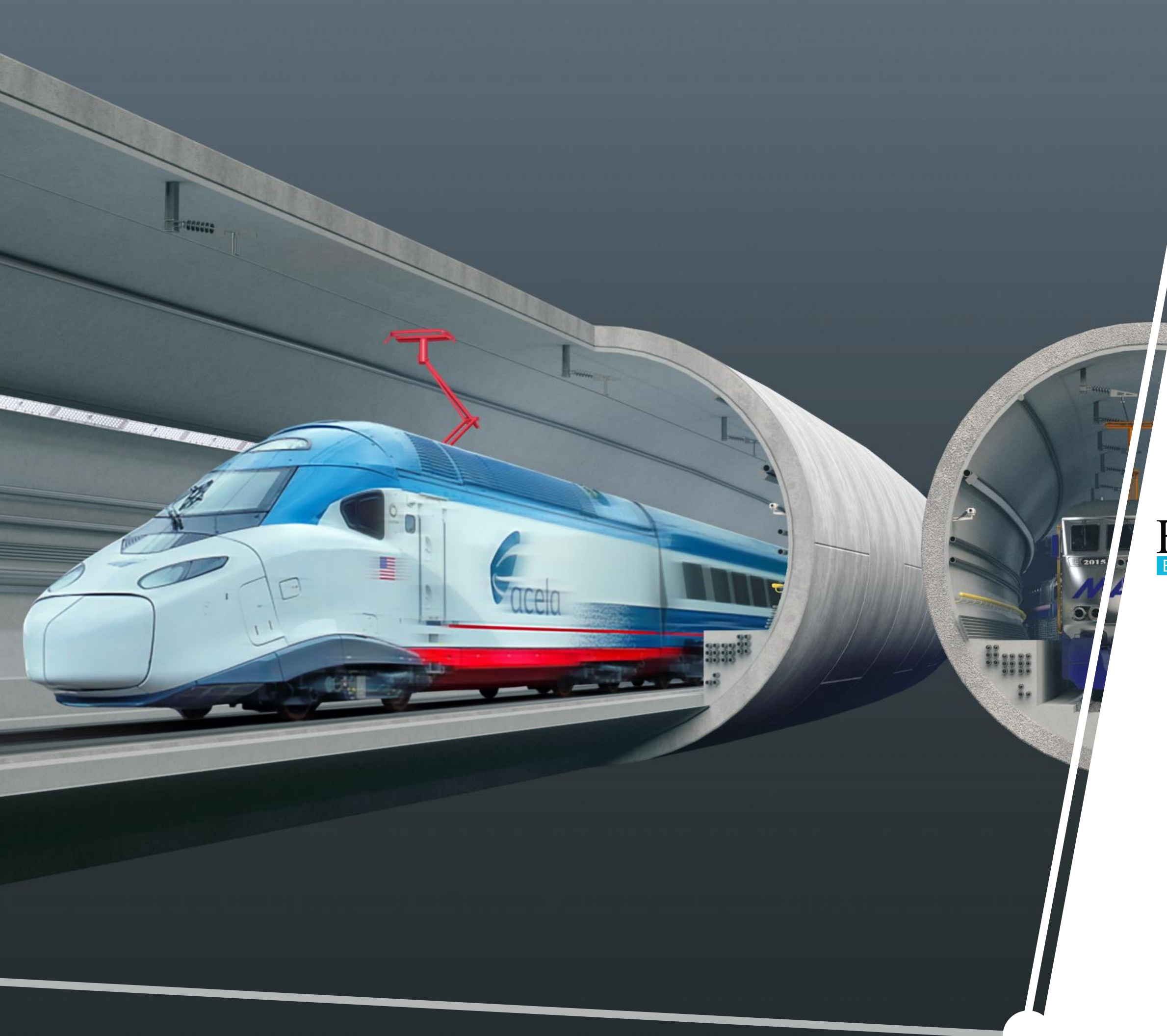
Supplier Diversity Specialist

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To learn more about Procurement opportunities at  
Amtrak, visit

[HTTPS://PROCUREMENT.AMTRAK.COM](https://procurement.amtrak.com)





# Frederick Douglass Tunnel

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## Q&A

# Closing Remarks



