Frederick Douglass Tunnel
B&P Tunnel Replacement

Industry Day
Coppin State University
Thursday, March 2, 2023
# Safety and Security Briefing

<table>
<thead>
<tr>
<th>Emergency Preparation</th>
<th>Evacuation</th>
<th>Situational Awareness</th>
<th>Health and Welfare</th>
<th>Security</th>
<th>Cybersecurity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Our physical address is 2500 W. North Ave, Baltimore, MD 21216</td>
<td>Communicate the need to evacuate</td>
<td>Proactively identify and mitigate hazards</td>
<td>Wellness is a priority</td>
<td>See something, say something: call 800-331-0008 / text 27311</td>
<td>Pay attention to phishing traps in emails</td>
</tr>
<tr>
<td>Who will call 911, and who is their backup?</td>
<td>Follow facility evacuation plan</td>
<td>Always be aware of surroundings</td>
<td>Take seasonal precautions</td>
<td>Active Shooter: Flee, Hide, Fight</td>
<td>Don’t click on links or attachments from unknown sources</td>
</tr>
<tr>
<td>Who is CPR/AED qualified?</td>
<td>Assist those who may need help evacuating</td>
<td>Follow rules and policies</td>
<td>Isolate if sick</td>
<td>Display and verify proper ID on Amtrak property</td>
<td>Report all suspicious email and cyber incidents</td>
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<tr>
<td>Emergency equipment location</td>
<td>Wait for permission to re-enter the facility</td>
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</tbody>
</table>
Introductions

• Tony Ryan, Capital Delivery
  o VP of Project Development and Planning Services

• Dr. Anthony Jenkins, Ph.D., CSU
  o 8th President of Coppin State University

• Mark Milton, Capital Delivery
  o Senior Director of B&P Tunnel Replacement Program

• David Abrahams, JV Designer of Record
  o Project Manager

• Martin Klein, Procurement
  o Senior Director of Procurement

• Leatha King, Supplier Diversity
  o 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

New Frederick Douglass Tunnel alignment which will replace the current B&P Tunnel.
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 Scope Highlights

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>Tunnel Bores (26’ ID)</td>
<td>2</td>
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<tr>
<td>Ventilation Facilities</td>
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<tr>
<td>Southern, Intermediate, &amp; Northern</td>
<td>3</td>
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<tr>
<td>Bridge Replacements</td>
<td>5</td>
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<tr>
<td>Undergrade RR (Warwick, Franklin, Mulberry)</td>
<td>3</td>
</tr>
<tr>
<td>Overhead Roadway (Edmondson &amp; Lafayette)</td>
<td>2</td>
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<tr>
<td>Commuter Rail Stations</td>
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<tr>
<td>West Baltimore (WBAL) MARC</td>
<td>1</td>
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<tr>
<td>Interlockings</td>
<td>5</td>
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<tr>
<td>New (Wilkens, Mosher, Edmond)</td>
<td>3</td>
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<tr>
<td>Replaced (Winans &amp; Charles)</td>
<td>2</td>
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<tr>
<td>Track &amp; Catenary</td>
<td>30+ miles</td>
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<td>Retaining Walls</td>
<td>~200,000 SF</td>
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<tr>
<td>Concrete</td>
<td>~600,000 CY</td>
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Disclaimer: Rendering is based on current design and is subject to change as design develops.
LEGEND:
- PACKAGE A (TUNNELS)
- PACKAGE B (SOUTHERN APPROACH)
- PACKAGE C IS THE FITOUT OF PACKAGE A AND B WORK AREAS
Wilkens Interlocking

Scope of Work

• Track Reprofiling
• 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 Reprofiling
- 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

Disclaimer: Rendering is based on current design and is subject to change as design develops.
South Approach - Existing

- West Baltimore MARC Station
- Lafayette Ave Bridge
- Edmondson Ave Bridge
- To Existing B&P Tunnel

Existing Area of South Approach
South Approach - Proposed

Lafayette Ave Bridge
Edmondson Ave Bridge
West Baltimore MARC Station
Frederick Douglass Tunnel South Portal

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

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

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

Disclaimer: Rendering is based on current design and is subject to change as design develops.
Intermediate Ventilation Facility
North Ventilation Facility And North Portal

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

- **COMMUNITY INVESTMENTS**
  - $50 million for community investments

- **INFRASTRUCTURE**
  - Improvements to transportation 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

- 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 30th 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*

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<th>CY35</th>
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<td>Design / PM &amp; Planning</td>
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<td>Wilkens Interlocking</td>
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<td>Warwick Avenue Bridge</td>
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<td>Utility Relocations</td>
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<td>Southern Approach - (Package B)</td>
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<td>Tunnel Construction (Package A)</td>
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<td>Systems Fit Out (Pkg C)</td>
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- TBMs ordered
- Start - Tunnel Boring
- Complete - WBAL MARC Sta.
- New Frederick Douglass Tunnel Operational
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)

- 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

Disclaimer: Rendering is based on current design and is subject to change as design develops.
B&P Tunnel Replacement - South Approach (Package B)

- 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.

Disclaimer: Rendering is based on current design and is subject to change as design develops.
Frederick Douglass Tunnel (Package A)

- 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.
Anticipated Award Date: Q4 2025

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

- Susquehanna River Rail Bridge CMAR
- PM/CM Services
- Historic Preservation Grant Administrator
- Wash. Union Modernization
Upcoming Nationwide Strategic Opportunities

**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

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

BPTunnelProcurement@Amtrak.com
Supplier Diversity
**SUPPLIER DIVERSITY**

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

<table>
<thead>
<tr>
<th>MISSION</th>
<th>GOAL</th>
<th>PROCESS</th>
<th>PROCUREMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Eliminate Discrimination</td>
<td>- 15% corporate goal</td>
<td>- Supplier Registration</td>
<td>- Procurement Portal</td>
</tr>
<tr>
<td>- Create Level playing field</td>
<td>- Advocacy/Support</td>
<td>- Resource Centers</td>
<td>- Sub-contracting plans</td>
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<tr>
<td>- Remove barriers</td>
<td>- Promote Innovation</td>
<td></td>
<td>- Informational Sessions/Pre-Bid Meetings</td>
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<tr>
<td>- Development</td>
<td>- Development</td>
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</tbody>
</table>
SUPPLIER DIVERSITY OFFICE TEAM

Jacqueline Donaldson-Grey  
Director, Supplier Diversity  
Jacqueline.donaldson-grey@amtrak.com

Jesse Wilson, II  
Manager, Diversity Specialist  
Jesse.Wilson@amtrak.com

Leatha King  
Lead Supplier Diversity Specialist  
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Patricia Barmore  
Sr. Supplier Diversity Specialist  
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Eboni Smith  
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Supplier Diversity Specialist  
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To learn more about Procurement opportunities at Amtrak, visit  
HTTPS://PROCUREMENT.AMTRAK.COM
Closing Remarks