Arkendale 3rd Track & Quantico Station Improvements

February 1, 2022
Project Overview

"Third track and passenger station improvements will improve ability for Amtrak, VRE, and CSX trains to meet, pass, or overtake each other at a location mid-way along the heavily trafficked FBG to DC corridor."

• 9.2 Miles of third track
• Construction underway
  • 84% of track construction is complete
  • CSX constructing track and signals
  • VRE constructing Quantico Station Improvements
• Started in 2014 – completion in 2023
### Project Budget

<table>
<thead>
<tr>
<th>Project Component</th>
<th>Sources of Funding</th>
<th>Budget</th>
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</thead>
<tbody>
<tr>
<td>Arkendale Third Track – CSX</td>
<td>• Federal ARRA Funds ($74.8M)</td>
<td>$101.4M</td>
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<td></td>
<td>• Commonwealth Rail Funds ($26.5M)</td>
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<tr>
<td>Quantico Station Improvements</td>
<td>• Commonwealth Rail Funds ($13.6M)</td>
<td>$23.9M</td>
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<td>• SmartScale Funds ($10.4M)</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>State &amp; Federal Funds</strong></td>
<td><strong>$125.3M</strong></td>
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Project Elements

Elements of construction:
- Tracks
- Signals
- Retaining Walls
- Quantico Station
- Grade-crossings (private and public)
- Bridges, causeways, slopes
- Access roads, right-of-way
- Future buildouts (design)
Project Challenges

- Project Agreements
- Poor Soils and Drainage
- Steep Slopes
- Changing coastline
- Utilities
Quantico Station Improvements

- Island Platform
- East Platform Extension
- Pedestrian Bridges
- Intertrack Fences
- Potomac Avenue Grade-xing
- Project Completion anticipated December 2023
Project History & Lessons

• Sufficient Design before Budget
  • Appropriate contingency
  • Design for Service: Island Platform/Network fluidity
  • Geotechnical issues

• Schedule
  • Legal/Contractual phase
    • Award 2010
    • CSX/FRA/State negotiations 2012-2014
  • Stakeholders: NAVFAC, Utility Companies (Fuel and Comms), PWC

• Environmental
  • NEPA work, Permits, and extensions/amendments
  • Bald Eagle nest season, N. Long-ear bats
  • Erosion issues – scour under ROW along Potomac
Thank You

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