

February 1, 2022

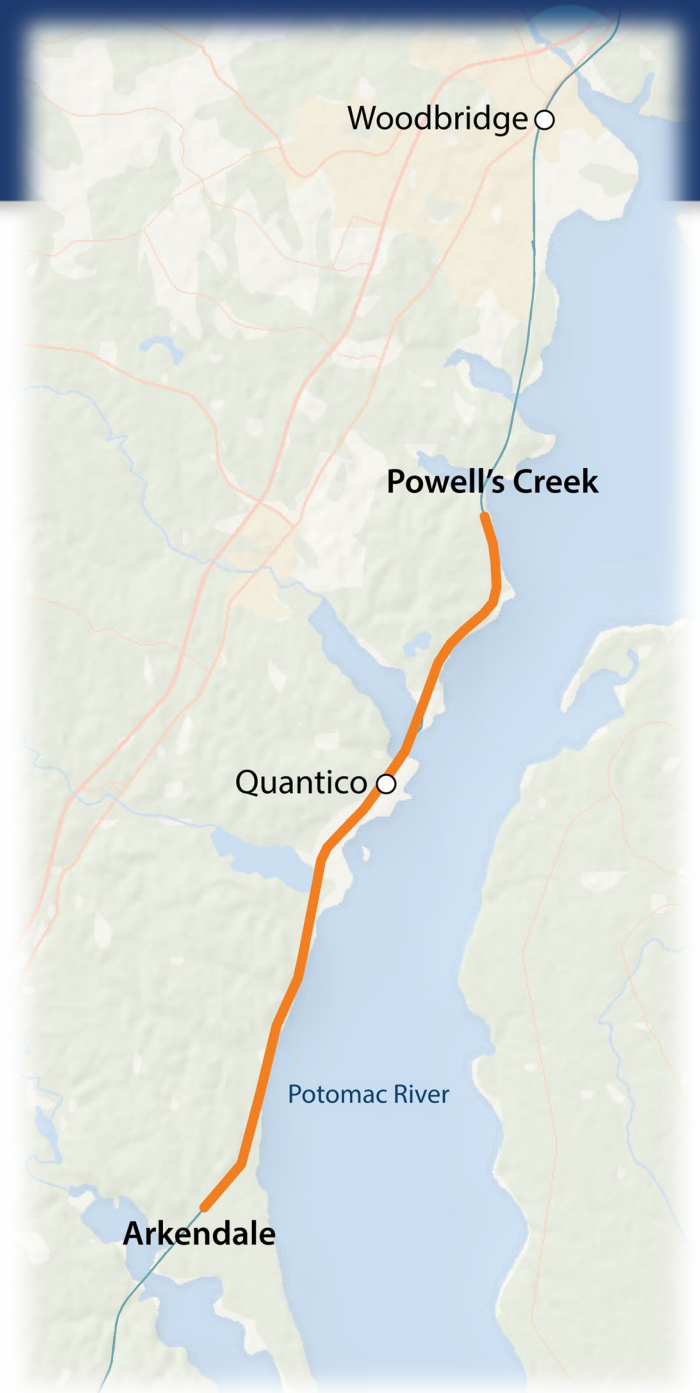
Arkendale 3rd Track & Quantico Station Improvements



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

Project Component	Sources of Funding	Budget
Arkendale Third Track – CSX	<ul style="list-style-type: none">Federal ARRA Funds (\$74.8M)Commonwealth Rail Funds (\$26.5M)	\$101.4M
Quantico Station Improvements	<ul style="list-style-type: none">Commonwealth Rail Funds (\$13.6M)SmartScale Funds (\$10.4M)	\$23.9M
Total	State & Federal Funds	\$125.3M

Project Elements

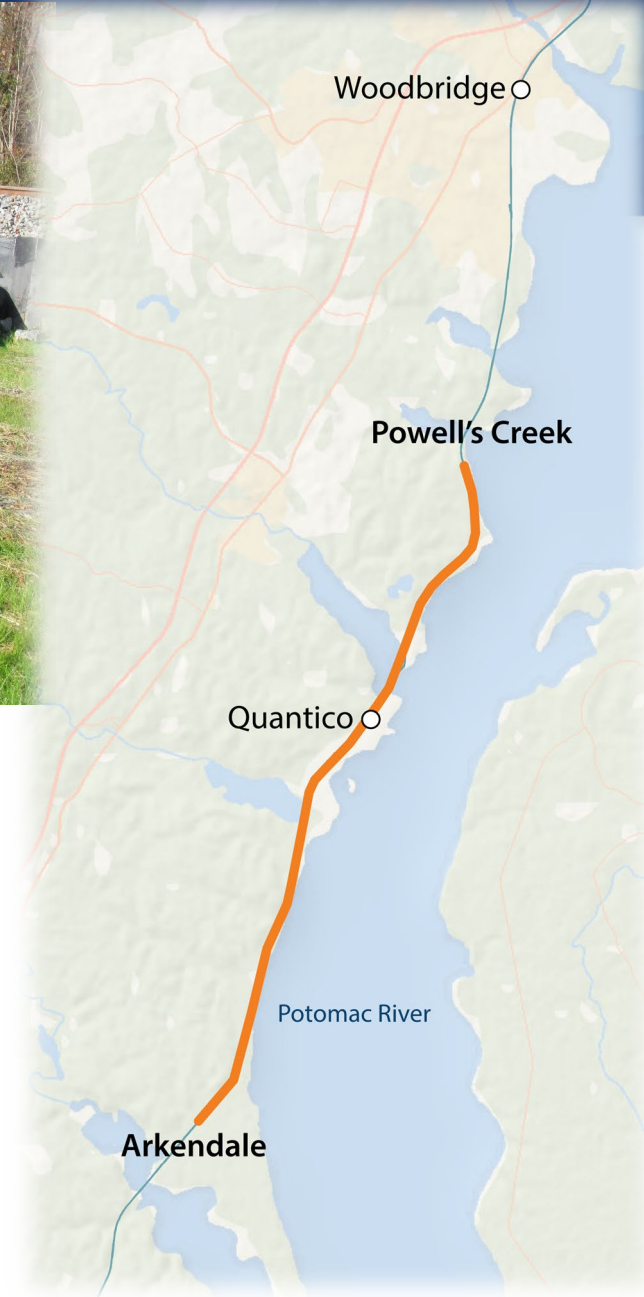
Elements of construction:

- 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

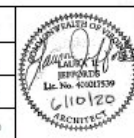
- Island Platform
- East Platform Extension
- Pedestrian Bridges
- Intertrack Fences
- Potomac Avenue Grade-xing
- Project Completion anticipated December 2023



NOTE:

THESE THREE DIMENSIONAL RENDERINGS ARE FOR USE IN VISUALIZING THE DESIGN CONCEPT ONLY. REFER TO THE DRAWINGS AND SPECIFICATIONS FOR THE SCOPE OF WORK.

APPROVED BY VRE	REV NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:
	0	06/10/20			INVITATION FOR BID	LJR
						DRAWN BY
						YY
						CHECKED BY:
						HDS
						DATE:
						06/10/20
APPROVED BY COUNTY	REV NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:



QUANTICO STATION

3D REPRESENTATION

INVITATION FOR BID NOT FOR CONSTRUCTION	
IFB NO:	IFB-020-019
DRAWING NO:	A-900
SCALE:	N.T.S.
SHEET NO:	96 OF 202

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

Arkendale 3rd Track & Quantico Station Improvements

