



Northern Virginia Transportation Authority FY2024-2029 Six Year Program

Route 234 and Sudley Manor Drive Interchange

Date Submitted: 07/20/2023

APPLICATION #: PWC-040

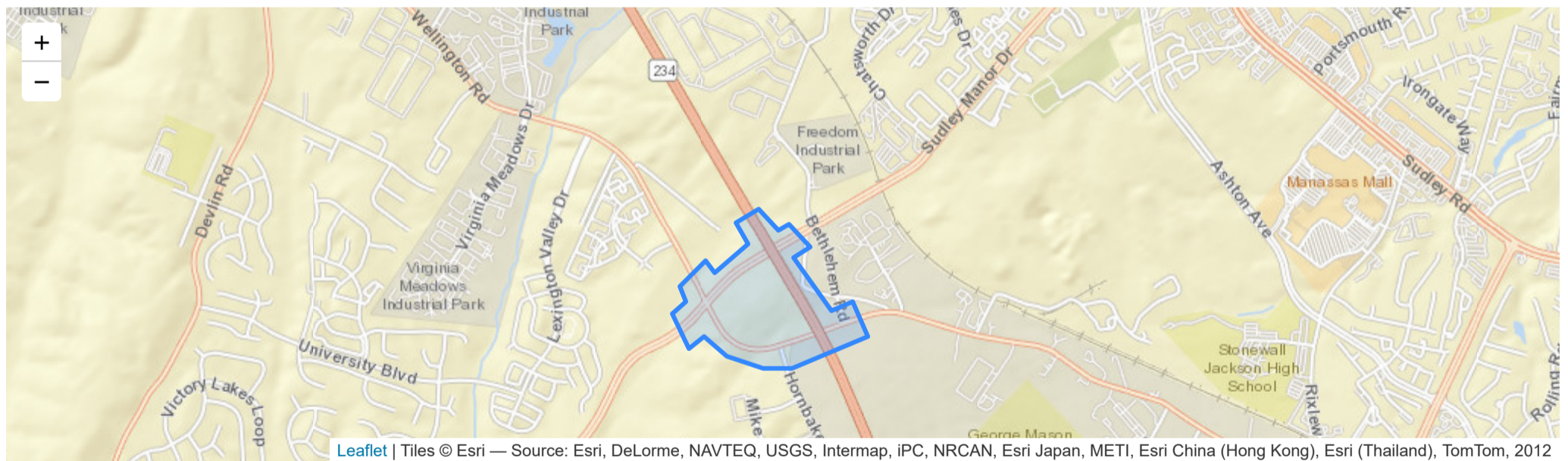
Single Point Urban Interchange at Route 234 and Sudley Manor Drive. Includes Wellington Road

Project Description

The project consists of constructing improvements at the intersection of Route 234 (Prince William Parkway) at Sudley Manor Drive and includes modifications to the intersection of Prince William Parkway and Wellington Road. The project will be designed and constructed as a single-point urban interchange (SPUI). The project will grade separate Prince William Parkway and Sudley Manor Drive to maintain free-flow on Prince William Parkway. Currently, through -traffic on Prince William Parkway experiences significant delays as a result of signalized intersections at both Sudley Manor Drive and Wellington Road, given that they are spaced less than 1,400' apart. Wellington Road will ultimately be bridged over Prince William Parkway and access to Prince William Parkway from Wellington Road will be diverted to the Prince William Parkway and Sudley Manor Drive intersection to improve operations. An alternative at-grade option at Wellington Road may be identified. The approved Innovation Town Center includes proffered improvements to construct a signal at Hornbaker Road/Wellington Road, as well as realign Bethlehem Road at the ultimate location as proposed by the interchange concept to leverage private funding. New signals are being proposed as part of the overall interchange design. The project will increase capacity and reduce congestion along this important corridor. Funding requested as part of the application will be for the design phase of the project. This location was reviewed under the VDOT Strategically Targeted Affordable Roadway Solutions (STARS) program, which is used to develop comprehensive, innovative transportation solutions to improve congestion and solve traffic and safety challenges in the state of Virginia. VDOT has invested \$400,000 in studying the Prince William Parkway Corridor for potential improvements to major intersections.

Primary Mode(s)	Secondary Mode(s)
Application Number	PWC-040
Primary TransAction ID Number	222
Submitting Jurisdiction/Agency	Prince William County
Location	The project is located at the intersection of Route 234 at Sudley Manor Drive and at Wellington Road.
Requested NVTA Funds	\$115,000,000.00
NVTA Funds Approved	N/A
Previous NVTA Funds Received	\$0.00
Total Cost to Complete Project	\$115,000,000.00

Project Location



Leaflet | Tiles © Esri — Source: Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2012

Project Milestones

	Study	Design / Engineering / Environmental	ROW and Utilities	Construction	Asset Acquisition
Earlier					
FY23					
FY24					
FY25					
FY26					
FY27					
FY28					
FY29		X			
Beyond			X	X	

Year of expected project completion: FY2032

Project Funding

Source	Study	Design / Engineering / Environmental	ROW and Utilities	Construction	Asset Acquisition	Total
Total Cost	\$0	\$7,000,000	\$3,500,000	\$104,500,000	\$0	\$115,000,000
NVTA Funds Applied	\$0	\$7,000,000	\$3,500,000	\$104,500,000	\$0	\$115,000,000
Total Other	\$0	\$0	\$0	\$0	\$0	\$0
Gap	\$0	\$0	\$0	\$0	\$0	\$0

Project Analysis Highlights

Congestion Reduction Relative to Cost (CRRC) Rating	23.29
Congestion Reduction Relative to Cost (CRRC) Rank	12
TransAction Project Rating	37.41
TransAction Project Rank	3
Project's Past Performance (Percentage of expected funds that was reimbursed by 12/31/2023)	N/A
Jurisdiction/Agency's Past Performance on All Projects (Percentage of expected funds that was reimbursed by 12/31/2023)	N/A
Percentage of Total Project Cost Covered by Funds from Sources Other than NVTA	0.00%
Local Priority	1
Number of Supporting Resolutions (does not include resolution from applicant's own Board/Council)	0
Number of NVTA-Funded Project(s) Nearby	3
Regional Funds allocated to NVTA-Funded Project(s) Nearby	\$93,700,000