



Northern Virginia Transportation Authority FY2024-2029 Six Year Program

Route 234 Operational Improvements

Date Submitted: 07/20/2023

APPLICATION #: PWC-042

Project Description

Project will implement Intelligent Transportation System (ITS) improvements along the Route 234 (Dumfries Road) Corridor from I-66 to I-95. The project will design and construct approximately 12 CCTV cameras, two dedicated dynamic message signs (DDMS), four changeable message signs (DMS), detector enhancement, larger cabinet installation and fiber communication installation. Once installed, the new ITS devices will be integrated into VDOT's Transportation Operations Center in Fairfax. These improvements will improve the safety, reliability, operational efficiency and mobility for travelers.

Primary Mode(s)	Secondary Mode(s)
Application Number	PWC-042
Primary TransAction ID Number	25
Submitting Jurisdiction/Agency	Prince William County
Location	Project will implement improvements on Route 234 between I-66 and I-95. The locations of the improvements are detailed in the attachment.
Requested NVTA Funds	\$10,000,000.00
NVTA Funds Approved	\$10,000,000
Previous NVTA Funds Received	\$0.00
Total Cost to Complete Project	\$10,000,000.00

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		X			X
FY29				X	X
Beyond					

Year of expected project completion: FY2029

Project Funding

Source	Study	Design / Engineering / Environmental	ROW and Utilities	Construction	Asset Acquisition	Total
Total Cost	\$0	\$1,200,000	\$0	\$6,300,000	\$2,500,000	\$10,000,000
NVTA Funds Applied	\$0	\$1,200,000	\$0	\$6,300,000	\$2,500,000	\$10,000,000
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	240.43
Congestion Reduction Relative to Cost (CRRC) Rank	3
TransAction Project Rating	29.19
TransAction Project Rank	8
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)	58.95%
Percentage of Total Project Cost Covered by Funds from Sources Other than NVTA	0.00%
Local Priority	5
Number of Supporting Resolutions (does not include resolution from applicant's own Board/Council)	0
Number of NVTA-Funded Project(s) Nearby	7
Regional Funds allocated to NVTA-Funded Project(s) Nearby	\$214,994,000