



Northern Virginia Transportation Authority FY2022-2027 Six Year Program

Herndon Parkway Improvements at Worldgate Drive Extension

Date Submitted: 10/01/2021

APPLICATION #: HND-005

12(e) - Herndon Metrorail Multimodal Improvements to include new intersection signalization

Project Description

This project includes new intersection signalization improvements at Herndon Parkway and Worldgate Drive Extension. The improvements include LED traffic/bike/pedestrian signalization, dedicated turning lane capacity improvements, street-lighting, cycle tracks, ADA curb cuts/sidewalks, and paver crosswalks. The pedestrian crossings and improved traffic flow will provide additional safety measures for motorized and non-motorized traffic modes. Safety is a critical component for this project, emphasizing a seamless and safer multimodal environment for pedestrians and cyclists. The project design and its safety countermeasures associated with the mode-separated cycle track and ADA sidewalk streetscape will assist in fulfilling the Town's priority of implementing safer infrastructure and equitable access in traveling along Herndon Parkway and to and from the town's Equity Economic Emphasis Area (EEA), Metrorail Station and surrounding region. The purpose of this arterial intersection signalization project is to relieve peak-hour congestion by increasing roadway capacity, via additional turning lane configuration, raised median and mode separated pedestrian/bike facilities (ie. ADA streetscape/cycle track), resulting in improved traffic flow, safety and multi-modal circulation for drivers, pedestrians, bicyclists, and transit riders for access to Metrorail as well as local and regional destinations. The town has prepared a concept design to determine the right-of-way needed for both roadway and multimodal improvements. The project's capacity improvements are to relieve significant future congestion and provide improved multimodal and intermodal access between the town's Metrorail Station and the high density, multi-residential and major commercial/office land use. These developments are now underway and are currently in the pipeline and anticipated in the near future. When implemented, the project design decreases the need for motor vehicle reliance within the TOD, addresses first mile/last mile connections, and brings transportation options with improved, safer multimodal infrastructure for all users.

Primary Mode(s)	Secondary Mode(s)
Application Number	HND-005
Primary TransAction ID Number	12
Submitting Jurisdiction/Agency	Town of Herndon
Location	1000 feet east of the Herndon Parkway and Van Buren Street intersection, 250 feet west of the Metrorail Station sidewalk access
Requested NVTA Funds	\$4,581,000.00
NVTA Funds Approved	N/A
Previous NVTA Funds Received	\$0.00
Total Cost to Complete Project	\$6,536,000.00

Project Location



Project Milestones

	Study	Design / Engineering / Environmental	ROW and Utilities	Construction	Asset Acquisition
Earlier	X				
FY21					
FY22					
FY23					
FY24		X			
FY25			X		
FY26			X		
FY27			X	X	
Beyond				X	

Project Funding

Source	Study	Design / Engineering / Environmental	ROW and Utilities	Construction	Asset Acquisition	Total
Total Cost	\$150,000	\$285,750	\$2,756,250	\$3,344,000	\$0	\$6,536,000
NVTA Funds Applied	\$0	\$0	\$1,862,000	\$2,719,000	\$0	\$4,581,000
Other	\$150,000	\$285,750	\$894,250	\$625,000		\$1,955,000
Total Other	\$150,000	\$285,750	\$894,250	\$625,000	\$0	\$1,955,000
Gap	\$0	\$0	\$0	\$0	\$0	\$0

Project Analysis Highlights

Congestion Reduction Relative to Cost (CRRC) Rating	17.94
Congestion Reduction Relative to Cost (CRRC) Rank	12
TransAction Project Rating	17.52
TransAction Project Rank	12
Project's Past Performance (Percentage of expected funds that was reimbursed by 12/31/2021)	N/A
Jurisdiction/Agency's Past Performance on All Projects (Percentage of expected funds that was reimbursed by 12/31/2021)	43 %
Percentage of Total Project Cost Covered by Funds from Sources Other than NVTA	30 %
Local Priority	1
Number of Supporting Resolutions (does not include resolution from applicant's own Board/Council)	1
Number of NVTA-Funded Project(s) Nearby	2
Regional Funds allocated to NVTA-Funded Project(s) Nearby	\$1,600,000