







Prince William Parkway at Clover Hill Road Innovative Intersection

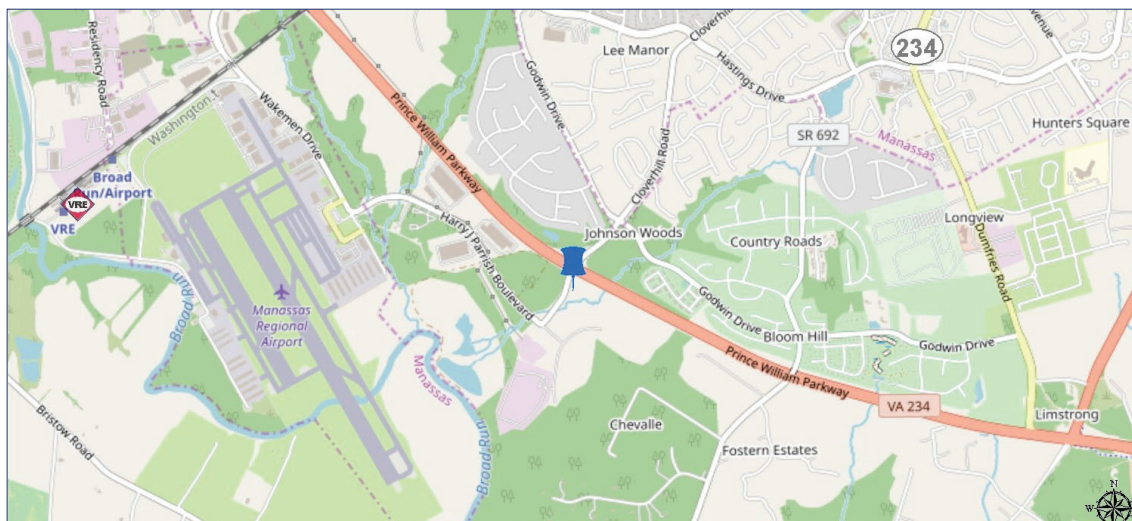
NVTA FY2020-2025
SIX YEAR PROGRAM
Updated: 3/5/2020

Project Description

This project which has been previously approved for Northern Virginia Transportation Authority (NVTA) 70% funding consists of constructing improvements at the intersection of Prince William Parkway (Route 234) and Clover Hill Road. Prince William Parkway at Clover Hill Road will be converted from an existing conventional intersection to a bowtie intersection. Left turns will not be permitted at the main intersection and vehicles must turn right or continue straight and use downstream roundabouts to complete left turn movements. Removing left turns from the main intersection will allow the intersection to operate under a two-phase signal control, which increases green time on Prince William Parkway. The roundabouts will be designed to accommodate large trucks and will be spaced to provide appropriate storage for queuing. The project will also include the construction of a 10' shared use path along Clover Hill Road. This intersection was reviewed under the Virginia Department of Transportation (VDOT) Strategically Targeted Affordable Roadway Solutions (STARS) program in 2017, 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-017
SPA Number	
TransAction ID Number	284
Submitting Jurisdiction/Agency	Prince William Co
Location	Intersection of Prince William Pkwy and Clover Hill Rd.
Requested NVTA Funds	\$11,000,000
NVTA Funds Approved	
Previous NVTA Funds Received	\$1,900,000
Total Cost to Complete Project	\$12,900,000

Project Location



Project Milestone

	Earlier	FY21	FY22	FY23	FY24	FY25	FY26	FY27	Beyond
Study									
Design, Engineering, Environmental Work				X	X				
Right of Way Acquisition					X	X			
Construction						X	X		
Capital Asset Acquisitions									

Project Funding

	Requested NVTA Funds	Previously Approved NVTA Funds	Other funding	Gap	Total Cost by Phase
Study	\$0	\$0	\$0	\$0	\$0
Design, Engineering, Environmental Work	\$0	\$1,500,000	\$0	\$0	\$1,500,000
Right of Way Acquisition	\$0	\$200,000	\$0	\$0	\$200,000
Construction	\$11,000,000	\$200,000	\$0	\$0	\$11,200,000
Capital Asset Acquisitions	\$0	\$0	\$0	\$0	\$0
TOTAL	\$11,000,000	\$1,900,000	\$0	\$0	\$12,900,000

Project Analysis Highlights

	Rating	Rank
Congestion Reduction Relative to Cost (CRRC)	54.14	6
TransAction Project Performance	55.06	26
Project's Past Performance (Percentage of expected funds that was reimbursed by 12/31/2019)		Not yet expected
Jurisdiction/Agency's Past Performance on All Projects (Percentage of expected funds that was reimbursed by 12/31/2019)		68.80%
Percentage of Total Project Cost Covered by Funds from Sources Other than NVTA		0.00%
Local Priority		7
Number of Supporting Resolutions (does not include resolution from applicant's own Board/Council)		0
NVTA-Funded Project(s) Nearby	Number	NVTA Funds Allocated
	2	\$56,800,000

Notes: None.