



Fairfax County Parkway Widening

Ox Road to Lee Highway, including a grade-separated interchange at the intersection of Popes Head Road

Project Description



This project provides for the widening of Fairfax County Parkway from Ox Road (Route 123) to just north of Lee Highway (Route 29) from four to six lanes, and a grade separated interchange at the intersection of Fairfax County Parkway and Popes Head Road. Improvements will also be made to the existing Fairfax County Parkway Trail. Where there is no trail currently, a new shared-use path will be constructed to make the trail continuous within the project limits. Conceptual design assumes that all existing lanes will be salvaged and that 12' of pavement will be added to the inside median and 2' will be added to the outside to accommodate the future HOV lanes. The typical section has not been finalized, but shall not preclude future HOV additions or conversion. All signalized intersections are assumed to be full replacements and no new signalized intersections are being added.

Reference Number: 2018-016-2
TransAction ID: 57
Submitting Jurisdiction/Agency: Fairfax County
Location: North of Lee Highway to Ox Road
Requested NVTA Funds: \$67,000,000
Previous NVTA Funds Received: \$20,000,000
Total Cost to Complete Project: \$191,300,000

The interchange will provide significant congestion relief as well as improve safety at the signalized intersection at Popes Head Road. The project will provide for the future connection to Shirley Gate Road to the east, which was identified to improve regional north-south travel in this area of the County and alleviate congestion along the parallel Route 123 to the east. It is anticipated that the Shirley Gate Road extension will be built as a separate project after the interchange project is completed; however, the portion of the roadway from Fairfax County Parkway to the future Fairfax County Park Access Road entrance would be built as part of the interchange project. The interchange also includes shared use paths on Fairfax County Parkway. See Attachment B for additional information from the Virginia Department of Transportation's (VDOT) Public Information Meeting (PIM).

Project Location



Project Milestones

	Before FY2018	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	After FY2023
Design, Engineering, Environmental Work	X	X	X	X				
Right of Way Acquisition			X	X				
Construction					X	X	X	X

Project Funding

	Requested NVTA Funds	Other Funding Sources	Total Cost by Phase
Design, Engineering, Environmental Work		\$10,000,000 (NVTA 70% Funds) \$4,000,000 (Local)	\$14,000,000
Right of Way Acquisition	\$22,000,000	\$10,000,000 (NVTA 70% Funds)	\$32,000,000
Construction	\$45,000,000	\$50,500,000 (Smart Scale) \$2,500,000 (RSTP)	\$145,300,000
TOTAL:	\$67,000,000	\$77,000,000	\$191,300,000

Note: There is a funding gap of \$47,300,000. Fairfax County has requested \$5,000,000 in FY2024 federal RSTP funds for the construction phase. Fairfax County plans to pursue the remaining funding gap through the state’s Smart Scale program, the NVTA’s next Call for Projects or other local, federal, and/or private sources.

Project Analysis Highlights

Congestion Reduction Relative to Cost Ratio (Total Cost in \$1000’s):	73.05
Congestion Reduction Relative to Cost Ratio Rank (Total Cost in \$1000’s):	12
TransAction Project Rating:	76.40
TransAction Project Rating Rank:	6

Note: The project analysis above was completed by NVTA staff using data and information from the project application and analyses of the region’s transportation network.

Regional Impacts

- Enhance quality of life and economic strength by improving connections among areas of concentrated growth.
- Reduce congestion and increase travel time reliability along the corridor and at the interchange at Popes Head Road
- Provide more mode options and expand travel choices for commuters through new bus route between Herndon Metrorail Station and Franconia-Springfield Metrorail/VRE Station via the Parkway to be implemented in Fiscal Year 2020.

Note: The regional impacts listed above are a summary of what was submitted in the project application NVTA staff received from the jurisdiction or agency that has applied for funding.