



Shirley Gate Road Extension

Braddock Road to Fairfax County Parkway

Project Description



The project will extend Shirley Gate Road as a four-lane minor arterial street between Braddock Road and Fairfax County Parkway (FCP), connecting with the future interchange of the Parkway and Popes Head Road at the future Fairfax County Park Access Road entrance. The new roadway will include two lanes for each direction and a sidewalk or trail on both sides.

This roadway extension was identified in the Fairfax County Comprehensive Plan to improve regional north-south travel in this area of the county and alleviate congestion along Braddock Road and the parallel Route 123 to the east. The Shirley Gate Road Extended Corridor Planning Study was recently completed to evaluate different alignment alternatives, assess traffic operational performance of both existing conditions and future conditions with the extension, and examine various impacts including property, access, noise and lighting, etc. The intersection configurations of the modified intersection – Braddock Road and Shirley Gate Road, and typical roadway cross section are shown below, and included as Attachments B and C, respectively.

Reference Number: 2018-020-0
TransAction ID: 58
Submitting Jurisdiction/Agency: Fairfax County
Location: Braddock Road to the intersection of Fairfax County Parkway and the future Fairfax County Park Access Road entrance
Requested NVTA Funds: \$42,000,000
Total Cost to Complete Project: \$50,980,000

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

Project Funding

	Requested NVTA Funds	Other Funding Sources	Total Cost by Phase
Design, Engineering, Environmental Work		\$2,500,000 (NVTA 30% Funds)	\$2,500,000
Right of Way Acquisition	\$27,960,000		\$27,960,000
Construction	\$14,040,000		\$20,520,000
TOTAL:	\$42,000,000	\$2,500,000	\$50,980,000

Note: There is a funding gap of \$6,480,000 for which Fairfax County plans to pursue through the state's Smart Scale program, NVTA 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):	21.62
Congestion Reduction Relative to Cost Ratio Rank (Total Cost in \$1000's):	26
TransAction Project Rating:	67.38
TransAction Project Rating Rank:	33

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

- Reduce congestion along Fairfax County Parkway corridor
- Improve north-south travel
- Improve access to western portions of the City of Fairfax and the Fair Center area, both Regional Activity Centers
- Reduce traffic volumes along area roadways and intersections (Popes Head Road, Braddock Road, Route 123)
- Reduce travel times along Fairfax County Parkway and Popes Head Road
- Reduce delay and queuing at the Ox Road intersections

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.