



Roadway Network Northfax West

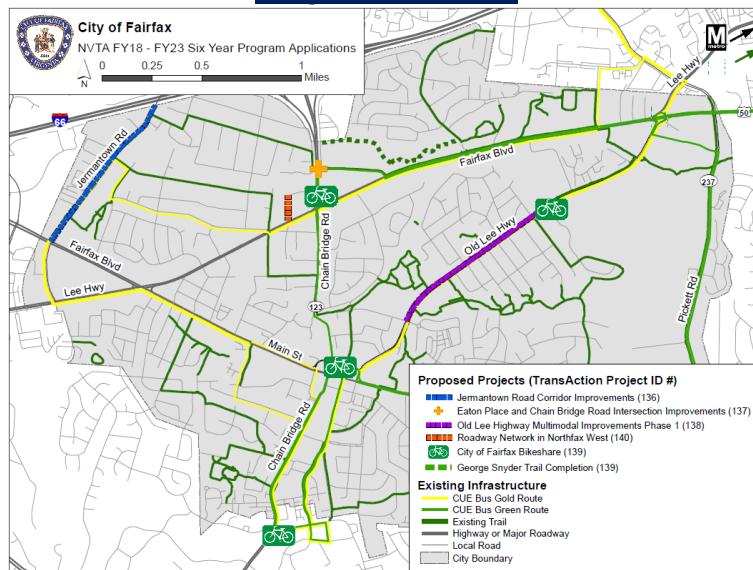
Project Description

This project is the construction of approximately 700 linear feet of new roadway between Fairfax Blvd/Farr Avenue and Orchard Street to create a grid network within the NW quadrant of Fairfax Blvd/Chain Bridge Road ("Northfax"). By providing an expanded grid within the Northfax area, the City seeks to reduce congestion at the Route 123/50/29 intersection, provide an expanded network for non-motorized traffic, and provide local access to existing commercial properties and future mixed-use redevelopment areas. Three private access drives are proposed to connect to the new roadway from an existing commercial property. The new roadway is scaled to promote multimodal use and includes context sensitive features appropriate for the surrounding area. The new roadway includes two-way vehicular and bicycle lanes. The vehicular lanes are 11' in width and the bicycle lanes are 5' in width. On-street parking would be provided adjacent to the northbound bicycle lane with landscaped bulb-outs. On-street parking along the southbound bicycle lane would be provided with future redevelopment. Sidewalks with variable widths of 5'-7' are included adjacent to the northbound lanes. Sidewalk is provided adjacent to a portion of the southbound lane. Additional sidewalk adjacent to the southbound lanes would be provided with future development. Standard curb and gutter and header curb would be provided. Pedestrian lighting would also be included. The total proposed right-of-way width is 50 feet.

Reference Number: 2018-049-0
TransAction ID: 140
Submitting Jurisdiction/Agency: City of Fairfax
Location: Between Fairfax Blvd/Farr Ave Intersection and Orchard Street, within the NW quadrant of the Fairfax Blvd/Chain Bridge Road Intersection
Requested NVTA Funds: \$2,500,000
Total Cost to Complete Project: \$5,000,000

This project is a component of a larger set of Northfax Network Improvements, many of which are already underway. The City has spent approximately \$40M to make roadway and drainage improvements to the Route 50/29/123 intersection as part of the Northfax project (scheduled for December 2018 completion). The City has also received almost \$10M in Smart Scale funds to construct the University Drive Extension project, which is construction of a new roadway between Fairfax Boulevard and Eaton Place in the east Northfax quadrant. The Northfax West project is similar in scope to the University Drive Extension project in that its purpose is to provide a new roadway to improve mobility and pedestrian connectivity. The City is also applying for funding to improve the Chain Brian Road/Eaton Place intersection, which is a critical intersection on the Chain Bridge Road/Route 123 corridor that, in its current configuration, causes congestion on both Chain Bridge Road and Eaton Place.

Project Location



Project Milestones

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

Project Funding

	Requested NVTA Funds	Other Funding Sources	Total Cost by Phase
Design, Engineering, Environmental Work	\$100,000		\$200,000
Right of Way Acquisition	\$1,700,000		\$3,400,000
Construction	\$700,000		\$1,400,000
TOTAL:	\$2,500,000		\$5,000,000

Note: This project has a funding gap of \$2,500,000. The City of Fairfax has also applied for \$2,500,000 in FY19 Revenue Sharing funds.

Project Analysis Highlights

Congestion Reduction Relative to Cost Ratio (Total Cost in \$1000's):	10.78
Congestion Reduction Relative to Cost Ratio Rank (Total Cost in \$1000's):	38
TransAction Project Rating:	66.91
TransAction Project Rating Rank:	36

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
- Improve connectivity
- Improve accessibility

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.