

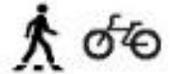


Intersection Improvements at Eaton Place/ Chain Bridge Road

Project Description

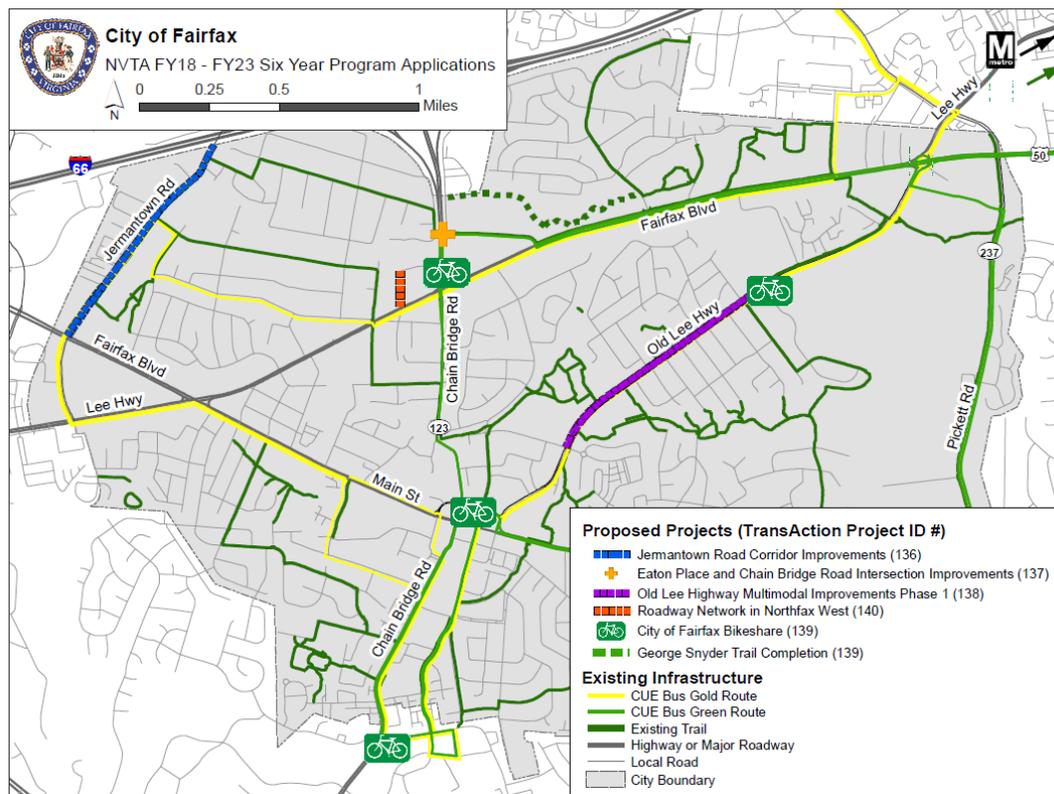
This project will improve the intersection geometry at the Chain Bridge Road (Route 123)/Eaton Place intersection to improve vehicular flow along Route 123 and to/from the adjacent service drives and neighborhood roads. These improvements, in combination with adjacent projects occurring both inside the City (Northfax, University Drive Extension) and outside the City (I-66), will reduce congestion and improve traffic flow along this National Highway System (NHS) corridor.

The City is performing an alternatives analysis to determine the optimal solution to improve mobility at this intersection, which currently operates with eight signal phases (including four separate side street phases) to control movements at seven legs. Options under consideration include conversion to a multi-lane roundabout and/or keeping a traditional signalized intersection but removing and/or modifying some of the intersection phases to increase the through capacity of the intersection. The intersection has a current capacity of approximately 3,400 vehicles per hour; improvements to this intersection would increase that to upwards of 5,000 vehicles per hour. In addition, by improving vehicle throughput, the project will improve transit operations through this area.



Reference Number: 2018-047-0
TransAction ID: 137, 140
Submitting Jurisdiction/Agency: City of Fairfax
Location: Jermantown Road between Fairfax Blvd (Route 50) and City Limits (South of bridge over I-66)
Requested NVTA Funds: \$10,750,000
Total Cost to Complete Project: \$10,850,000

Project Location



Project Milestones

	Before FY2018	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	After FY2023
Design, Engineering, Environmental Work		X	X	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	\$750,000	\$100,000 (Local Funds)	\$850,000
Right of Way Acquisition	\$2,500,000		\$2,500,000
Construction	\$7,500,000		\$7,500,000
TOTAL:	\$10,750,000		\$10,850,000

Project Analysis Highlights

Congestion Reduction Relative to Cost Ratio (Total Cost in \$1000's):	19.76
Congestion Reduction Relative to Cost Ratio Rank (Total Cost in \$1000's):	29
TransAction Project Rating:	65.01
TransAction Project Rating Rank:	48

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 connectivity
- Reduce congestion

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.