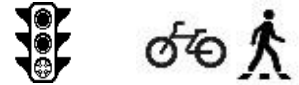




Braddock Road Intersection Improvements

Guinea Road to Ravensworth Road

Project Description



Braddock Road is classified as a minor arterial and generally travels in an east-west direction. The Braddock Road Intersection Improvements project along the corridor from Guinea Road to I-495 has the goal of addressing anticipated traffic congestion due to increased vehicular demand and improving pedestrian access/ safety along the corridor. The study limits are along Braddock Road from Twinbrook Road to Ravensworth Road; however, the project encompassed within this application extends from Ravensworth Road to Guinea Road. The project would include access management, intersection improvements and signalization improvements, as well as pedestrian and bicycle facilities.

Reference Number: 2018-011-0
TransAction ID: 30
Submitting Jurisdiction/Agency: Fairfax County
Location: Guinea Road to Ravensworth Road
Requested NVTA Funds: \$52,400,000
Total Cost to Complete Project: \$69,800,000

The improvements proposed would include a ten-foot wide shared use (pedestrian and bicycle) paths will be built on both sides of Braddock Road throughout the corridor. The pedestrian and bicycle improvements include not only the mixed-use paths, but all trail connections in the corridor will be completed. A "HAWK" (pedestrian controlled, **H**igh-Intensity **A**ctivated cross**W**alk beacon) signal will be considered for construction at Grantham and Burke Lake Road, with the shopping center entrance there becoming right in, right out only. There is an ongoing multi-modal study for the project that is expected to be completed in January 2018.

Project Location



Project Milestones

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

Project Funding

	Requested NVTA Funds	Other Funding Sources	Total Cost by Phase
Design, Engineering, Environmental Work		\$5,000,000 (NVTA 30%)	\$5,000,000
Right of Way Acquisition		\$5,000,000 (NVTA 30%)	\$5,400,000
Construction	\$52,400,000		\$59,400,000
TOTAL:	\$52,400,000	\$10,000,000	\$69,800,000

Note: There is a funding gap of \$7,400,000 for which Fairfax County anticipates pursuing through the state's Smart Scale program, NVTA's next call for projects or other local and/or private sources.

Project Analysis Highlights

Congestion Reduction Relative to Cost Ratio (Total Cost in \$1000's):	3.01
Congestion Reduction Relative to Cost Ratio Rank (Total Cost in \$1000's):	52
TransAction Project Rating:	65.56
TransAction Project Rating Rank:	47

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 by providing intersection and corridor improvements
- Provide pedestrian improvements such as shared use path, sidewalks, viable pedestrian overpasses, and improvements to the existing underpass at the Accotink Creek Bridge.
- Increase capacity by improving intersection operation and optimizing signal operation
- Enhance the quality of life and economic strength
- Enable the optimal use of the transportation network and leverage the existing network
- Provide for improved accessibility to George Mason University

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.