



Route 29 Widening, Phase II

Union Mill Road to Buckley's Gate Drive

Project Description

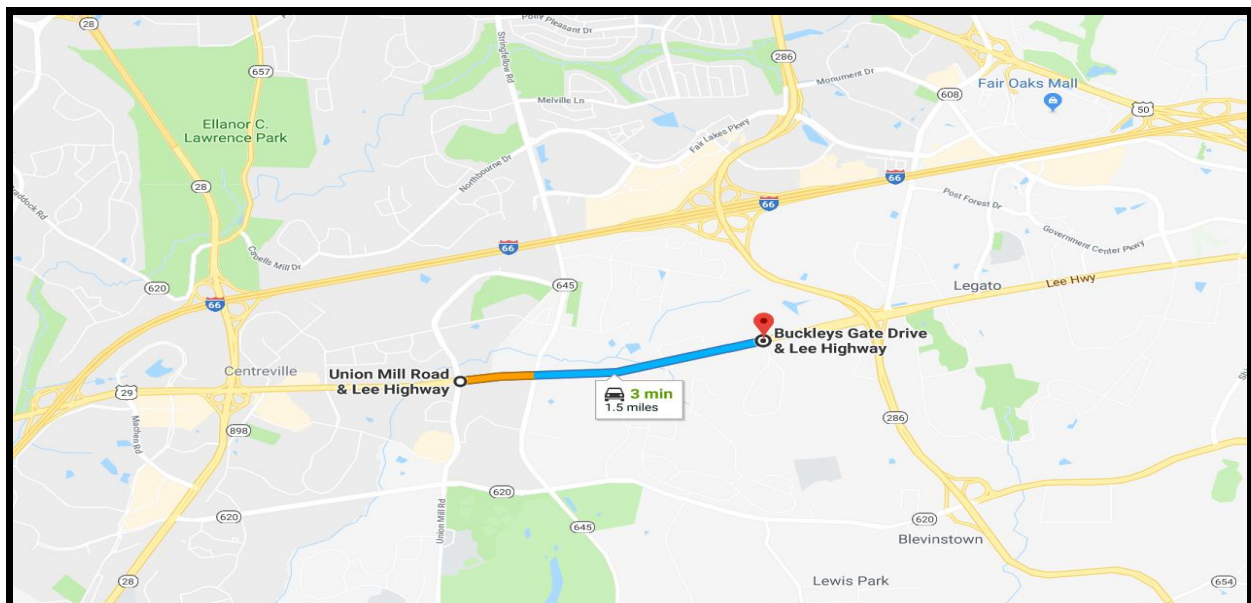


The Route 29 Widening Project between Union Mill Road and Buckley's Gate Drive/ Summit Drive, widens the roadway from four to six lanes and completes the widening of Route 29 from Shirley Gate Road to Centreville. The project will include intersection improvements and a 10-foot shared-use path on both sides of Route 29. From Union Mill Road to Hampton Forest Way/Meadow Estates Drive, Route 29 will be widened from four to six lanes. Bicycle/pedestrian crossings at intersections will also be upgraded or maintained. In addition, existing moderate to severe bifurcation will be eliminated and the vertical alignment will be revised to meet current standards between Clifton Road/Stringfellow Road and Hampton Forest Way/Meadow Estates Drive. From Hampton Forest Way/Meadow Estates Drive to Buckley's Gate Drive/Summit Drive, northbound Route 29 will be widened from two to three-lanes (southbound is already three-lanes wide). Stormwater management improvements are also part of the widening, including replacing and upgraded two culverts under Route 29. The project scope is based on a 2005 VDOT Lee Highway (Route 29) Widening Project study, which was a preliminary corridor analysis to widen Route 29 from Old Centreville Road to Shirley Gate Road.

Reference Number: 2018-015-0
TransAction ID: 217
Submitting Jurisdiction/Agency: Fairfax County
Location: Union Mill Road to Buckley's Gate Drive
Requested NVTA Funds: \$7,600,000
Total Cost to Complete Project: \$67,000,000

Fairfax County is currently widening Route 29 to six lanes from Legato Road to Shirley Gate Road under Project Phase 3 of Route 29 Widening Project, with construction completion scheduled for Fall of 2017. VDOT's Lee Highway (Route 29) Bridge over Little Rocky Run project completed the majority of widening south of Union Mill Road. The remaining widening is being split into two phases. Phase 1, between Pickwick Road and Union Mill Road, will be administered by VDOT and funded by Fairfax County as a separate project, and will complete the widening south of Union Mill Road to Centreville. Phase 2 (the subject project) is between Union Mill Road and Buckley's Gate Drive/Summit Drive. This project completes the widening of Route 29 from Shirley Gate Road to Centreville and represents the last section of Route 29 that is fewer than six-lanes wide from the City of Fairfax to Centreville.

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	X

Project Funding

	Requested NVTA Funds	Other Funding Sources	Total Cost by Phase
Design, Engineering, Environmental Work		\$5,700,000 (NVTA 30% Funds)	\$5,700,000
Right of Way Acquisition	\$7,600,000	\$13,900,000 (Smart Scale)	\$21,500,000
Construction		\$39,800,000 (Smart Scale)	\$39,800,000
TOTAL:	\$7,600,000	\$59,400,000	\$67,000,000

Project Analysis Highlights

Congestion Reduction Relative to Cost Ratio (Total Cost in \$1000's):	97.51
Congestion Reduction Relative to Cost Ratio Rank (Total Cost in \$1000's):	8
TransAction Project Rating:	68.92
TransAction Project Rating Rank:	24

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 on Route 29, I-66, and the surroundings.
- Improve safety
- Add and improve bicycle and pedestrian facilities

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.