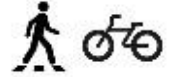




Widen Route 1 (Fraleley Blvd.) to Six Lanes

Between Brady's Hill Road and Dumfries Road (Route 234)

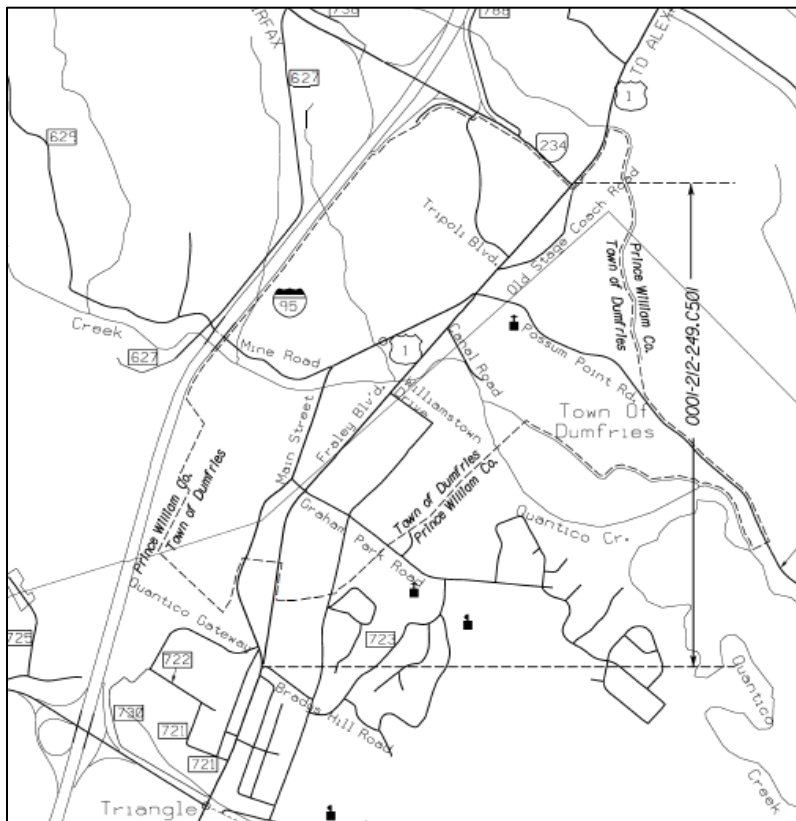
Project Description



Route 1 Northbound (Fraleley Blvd) between Route 1109 (Brady's Hill Road) and Route 234 (Dumfries Road) is classified as an Urban Principal Arterial. Route 1 Southbound is on a separate alignment. This project will convert northbound Route 1 from a 2-lane undivided roadway to a divided 6-lane so both northbound and southbound traffic will be on the northbound alignment. The proposed typical section for the 2.1-mile project will consist of a six-lane facility with three 12' lanes in each direction. In addition to the six travel lanes, an outside lane will be added for bicycle use in both directions. The proposed design will provide a 16' raised median with sidewalks and shared use paths on opposite sides of the roadway. The design will follow the GS-5 (Urban Principal Arterial) standard at 45 mph design speed, as outlined in the Road Design Manual. The typical section will include CG-7 curbing and buffer space adjacent to pedestrian facilities. The roadway super-elevation will be based on urban low speed (TC-5.11 ULS) design standards. Side slopes will be 3:1 or flatter, where space is available. The existing southbound Route 1 (Main St) is on a separate alignment from northbound Route 1 (Fraleley Rd) within the project limits. The separate alignment will be converted to a two-way road for local traffic after the six-lane widening is completed. Environmental studies and the NEPA document have been completed. A Public Hearing is planned for this project in early 2018.

Reference Number: 2018-053-1
TransAction ID: 92
Submitting Jurisdiction/Agency: Town of Dumfries
Location: From 0.1 Mile South of Brady's Hill Road to: 0.2 miles North of Route 234 (Dumfries Road)
Requested NVTA Funds: \$116,554,000
Total Cost to Complete Project: \$123,954,000

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	X	X		
Construction						X	X	X

Project Funding

	Requested NVTA Funds	Other Funding Sources	Total Cost by Phase
Design, Engineering, Environmental Work		\$7,400,000 (NVTA 70, Other)	\$7,400,000
Right of Way Acquisition	\$44,860,000		\$44,860,000
Construction	\$71,694,000		\$71,694,000
TOTAL:	\$116,554,000	\$7,400,000	\$123,954,000

Project Analysis Highlights

Congestion Reduction Relative to Cost Ratio (Total Cost in \$1000's):	56.15
Congestion Reduction Relative to Cost Ratio Rank (Total Cost in \$1000's):	17
TransAction Project Rating:	72.84
TransAction Project Rating Rank:	10

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

- Increase capacity and reduce congestion
- Increase safety
- Improve access to businesses
- Provide protected bus stop locations
- Provide pedestrian accommodations
- Enhance the quality of life

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.