



Widen/Relocate Route 1: Brady's Hill Road to Dumfries Road (Route 234)

NVTA FY2020-2025
SIX YEAR PROGRAM
Updated: 3/5/2020

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 superelevation 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.

Primary Mode(s)

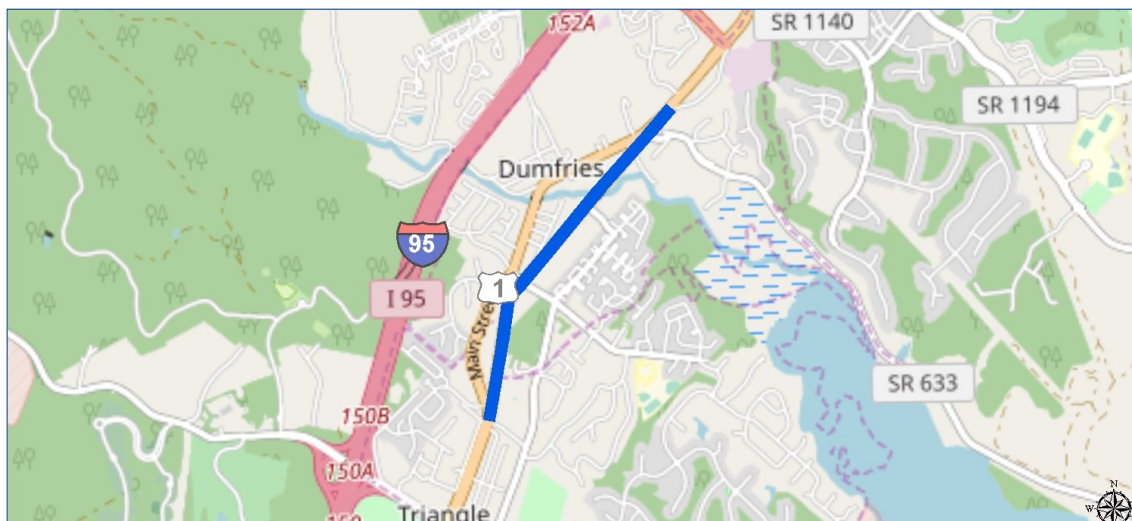


Secondary Mode(s)



Application Number	DMF-003
SPA Number	
TransAction ID Number	92
Submitting Jurisdiction/Agency	Town of Dumfries
Location	Between Brady's Hill Rd and Dumfries Rd.
Requested NVTA Funds	\$78,000,000
NVTA Funds Approved	
Previous NVTA Funds Received	\$51,760,000
Total Cost to Complete Project	\$129,760,000

Project Location



Project Milestone

	Earlier	FY21	FY22	FY23	FY24	FY25	FY26	FY27	Beyond
Study									
Design, Engineering, Environmental Work	2017 - 2020								
Right of Way Acquisition		X	X	X					
Construction					X	X	X		
Capital Asset Acquisitions									

Project Funding

	Requested NVTA Funds	Previously Approved NVTA Funds	Other funding	Gap	Total Cost by Phase
Study	\$0	\$0	\$0	\$0	\$0
Design, Engineering, Environmental Work	\$0	\$6,900,000	\$0	\$0	\$6,900,000
Right of Way Acquisition	\$0	\$44,860,000	\$0	\$0	\$44,860,000
Construction	\$78,000,000	\$0	\$0	\$0	\$78,000,000
Capital Asset Acquisitions	\$0	\$0	\$0	\$0	\$0
TOTAL	\$78,000,000	\$51,760,000	\$0	\$0	\$129,760,000

Dumfries is seeking funding from any funding source available. The Town will be applying for Smart Scale Round 4, Congestion Mitigation Air Quality and Regional Surface Transportation Program.

Project Analysis Highlights

	Rating	Rank
Congestion Reduction Relative to Cost (CRRC)	59.05	5
TransAction Project Performance	63.64	6
Project's Past Performance (Percentage of expected funds that was reimbursed by 12/31/2019)		22.00%
Jurisdiction/Agency's Past Performance on All Projects (Percentage of expected funds that was reimbursed by 12/31/2019)		21.50%
Percentage of Total Project Cost Covered by Funds from Sources Other than NVTA		0.00%
Local Priority		1
Number of Supporting Resolutions (does not include resolution from applicant's own Board/Council)		1
NVTA-Funded Project(s) Nearby	Number	NVTA Funds Allocated
	1	\$51,760,000

Notes: None.