



SPA #359-80491

Northern Virginia Transportation Authority
The Authority for Transportation in Northern Virginia

FY 2015-16 PROJECT DESCRIPTION FORM (8Q)

Basic Project Information

Submitting Agency: Town of Dumfries

Project Title: Widen Route 1 (Fraley Boulevard) Brady's Hill Road to Route 234 (Dumfries Road) 8Q

Project Type (check one):

Roadway () Transit ()

VA State Route Number (if applicable) and NVTA Corridor Number (1-8): US 1 NVTA Corridor 8

- Project Description:** This project will complete another segment of the Route 1 Corridor identified in VDOT's Route 1 Location Study. U S Route 1 is bisected through the Town of Dumfries with northbound Route 1 on an alignment on the east side of Town and southbound Route 1 on a separate alignment, also serving as Main Street for the town. No other community in Prince William County has Route 1 dividing its town and stifling traffic for its entire community six to seven days a week. Currently 54,000 vehicles per day travel through the approximately 2.01 miles (10,650 ft) of Route 1. Future road studies estimate that 80,000 vehicle per day will travel this segment. Route 1 is being widened by Prince William County to the north and south of this choke point.

This project will complete the Northern segment of a Prince William County funded project (VDOT's Route 1 / Route 619) and will allow both local traffic to travel to and from Quantico / Stafford to the Route 234 interchange (Bi-County Parkway) and communities along the Route 1 corridor. This project will bring northbound and southbound Route 1 onto the same alignment by widening Route 1 NB from two lanes to six lanes, with a wide curb lane for on-road bicycle use and a sidewalk and multi-use trail for pedestrians and other modes. It includes replacing the bridge over Quantico Creek. The southbound alignment can then be used as Main Street for the town of Dumfries, enhancing the economic development of the town and the safety of the town's citizens.

- Requested NVTA Funds:** \$6,900,000
- Phase(s) of Project Covered by Requested NVTA Funds:** PE
- Total Cost to Complete Project:** \$82,500,000
- Project Milestone -Study Phase:** Start of Study - March 2013
- Project Milestone -Preliminary Engineering (30% Design):** Start of PE -July 2014
- Project Milestones -Final Design:** Start of Final Design - July 2015



8. **Project Milestones -Right-of-Way:** ROW acquisitions completed – June 2018
9. **Project Milestone – Construction:** Start of Construction – March 2019
10. **Project Milestone – Mass Transit Vehicle Acquisition:** Start of Construction - N/A
11. **Is Project in Transaction 2040:**
Yes () No ()
12. **Project in 2010 CLRP:** N/A
13. **Project Leverages other Funding:** (please state amount)
 - Local ()
 - State ()
 - Federal ()
 - Other:



Stated Benefits

- **What Regional benefit(s) does this project offer?**

This project will complete a segment of the Route 1 Corridor identified in VDOT's Route 1 Location Study. This segment lies between two other segments (Stafford County Line to Joplin/Fuller Road (Route 619) and Dumfries Road to Dale Boulevard (Route 784)) and will allow for the proper movement of intrastate travel on Route 1. Route 1 through Dumfries is a major secondary roadway to Interstate 95 and serves as a major artery for the Eastern part of the Commonwealth.

This project alleviates traffic on a regionally congested corridor and provides an alternate route to I-95. This project will improve both vehicular and pedestrian/bicycle mobility in the area.

- **How does the project reduce congestion?**

According to the Route 1 Location Study Project A prepared by PB Americas (dated December 2008), the Level of Service (LOS) during the AM peak hours is E/F and during the PM peak hours it is D. The project will add one northbound travel lane, and replace the existing two southbound travel lanes which pass through the Main Street portion of the Town with three southbound travel lanes aligned with Fraley Boulevard, where there are fewer intersections.

- **How does project increase capacity? (Mass Transit Projects only)**

N/A

- **How does project improve auto and pedestrian safety?**

The project will improve auto and pedestrian safety by:

1. separating high-volume pass-through traffic onto the six lane Route 1, while lower volume, lower speed residential and business traffic is on Main Street;
2. providing a 12' to 16' median to separate opposing traffic;
3. providing two 12' and one 15' travel lane in each direction, with the fifteen' outer travel lane to additionally accommodate bicycle use;
4. providing a 6' sidewalk with 4' buffer for pedestrian use;
5. providing safe pedestrian passage over Quantico Creek (see Figure 1).

- **List internet links below to any additional information in support of this project:**