



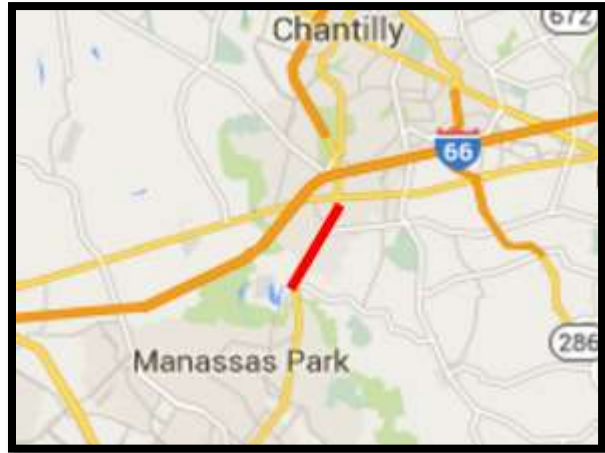
Project Description Form – 3M

Basic Project Information

Submitting Jurisdiction/Agency: Fairfax County

Project Title: Route 28 Widening: Prince William County Line to Route 29

Project Location: Route 28 from the Prince William County Line at the bridge over Bull Run to Route 29 in Centreville



Project Description: This project proposes to widen Route 28 from 4 to 6 lanes from the Prince William County line at Bull Run to Route 29 in Centreville. The project would include intersection improvements and pedestrian/bicycle facilities on both sides of the roadway and improvements to pedestrian/bicycle facilities at all intersections through the corridor.

Project Milestones

Project Milestones by Project Phase:

- **Engineering:** Scoping/Preliminary Engineering (2015 to mid-2017), Issuance of Design/Build RFP January 2017
- **Environmental Work:**
- **Design:**
- **Right of Way Acquisition:** April 2017-August 2018
- **Construction:** February 2018-January 2020
- **Capital Asset Acquisitions:**
- **Other:**

Project Analysis Summary*

NVTA Quantitative Score	65.34	Rank	5
Congestion Reduction Relative to Cost Ratio (NVTA Share)	0.56	hours saved/\$	Rank 5
Congestion Reduction Relative to Cost Ratio (Total Cost)	0.52	hours saved/\$	Rank 2

*Detailed scoring information can be found at: <http://www.thenovaauthority.org/planning-programming/fy2017-program/>

Project Cost

Requested NVTA FY2017 Funds: \$5,000,000

Total Cost to Complete Project: \$68,910,000

Project Phases	Requested NVTA FY2017 Funds	Other Sources of Funding	Total Cost by Phase
Engineering	\$1,330,000 (FY2016 – FY2019)	\$5,000,000 (NVTA FY2015-16) \$1,330,000 (FY2017 Revenue Sharing, subject to funding approval)	\$7,660,000 (FY2016 – FY2019)
Environmental Work	(included in engineering)		(included in engineering)
Design	(included in engineering)		(included in engineering)
Right of Way Acquisition	\$3,250,000 (FY2018 – FY2019)	\$3,250,000 (FY2017 Revenue Sharing, subject to funding approval)	\$6,500,000 (FY2018 – FY2019)
Construction	\$420,000 (FY2019)	\$32,830,000 HB 2 \$21,080,000 HB 2 and/or NVTA future request; \$420,000 (FY2017 Revenue Sharing, subject to funding approval)	\$54,750,000 (FY2018 – FY2021)
Capital Asset Acquisitions			
Other			
TOTAL	\$5,000,000	\$63,910,000	\$68,910,000

Project Impacts

What regional benefit(s) does this project offer? The project will reduce congestion on a heavily traveled section of the VA Route 28 corridor, which provides travel within and between three counties in northern Virginia (Prince William, Fairfax, and Loudoun) and the two cities of Manassas, and Manassas Park. This section of Route 28 carries 60,000 vehicles per day with a peak hour Level of Service (LOS) F. The project will also improve multi-modal travel by adding pedestrian/bicycle facilities.

Current northbound AM peak hour travel time from Manassas Drive (in Manassas Park) to US 29 (in Centreville) averages between 30 and 40 minutes Monday through Thursday, even without an incident and at times can approach 1 hour. Similar travel times are typical in the southbound direction in the PM peak hour. Traffic queues at various signals along the corridor extend for up to one mile or more. Several large residential developments are currently under construction in Prince William County just south of the Fairfax County line, one a multi-family apartment complex consisting of approximately 750+ units, and a townhouse and single family development with an unknown number of units. With the opening of these developments, congestion and delays along VA Route 28 are increasing.

How will the project reduce congestion? The project will add one lane in each direction to improve through capacity on VA Route 28, which currently carries over 60,000 vehicles per day, at a peak hour LOS F. The intersection improvements will improve through travel by eliminating split phase signal timings at five intersections along this section of VA Route 28. In addition, the project will improve travel times and connections to other corridors such as US Route 29 (Lee Highway) and Route 620 (New Braddock Road) which are alternatives to the I-66 corridor. This project is included within a Corridor of Statewide Significance in VDOT's VTrans 2040 long range plan.

By expanding capacity on VA Route 28, congestion on parallel and "cut through" routes such as Ordway Road, Old Centreville Road (in Centreville), and Compton Road (to the east of VA Rte. 28) is expected to be reduced.

How will the project increase capacity? The project will add one lane in each direction to improve through capacity on VA Route 28. Expanding capacity on VA Route 28 will reduce congestion on parallel and "cut through" routes such as Ordway Road, Old Centreville Road (in Centreville), and Compton Road (to the east of VA Rte. 28).

How will the project improve auto and pedestrian safety? By adding capacity and improving operations, this project helps reduce congestion and the potential for vehicular conflicts. By improving intersections and eliminating split phase signal timings, operations are improved and the potential for vehicle conflicts is reduced, making the road safer for both vehicles and pedestrians/bicyclists. Sidewalks and shared-use paths are included in the project scope. This project will provide bicycle and pedestrian amenities, addressing missing links included in the County's Bicycle Master Plan.

How will the project improve regional connectivity? The project will enhance the roadway network between Prince William, Loudoun, and Fairfax Counties. The project will directly improve connectivity between several MWCOG Activity Centers, specifically Centreville and Yorkshire, City of Manassas, and

Manassas Park. These improvements, combined with improvements at the I-66 interchange, will facilitate access to Washington Dulles International Airport, Reston, Herndon, and beyond.

How will the project improve bicycle and pedestrian travel options? The project scope includes bicycle and pedestrian shared-use pathways, which will connect to the regional network, and are currently sparse and/or non-existent. This project will provide bicycle and pedestrian amenities included in the County's Bicycle Master Plan.

How will the project improve the management and operation of existing facilities through technology applications? N/A

Additional Information in Support of This Project

Route 28 Corridor Safety and Operations Study (VDOT) -

http://www.virginiadot.org/projects/northernvirginia/route_28_corridor_study.asp

Final Report - http://www.virginiadot.org/Route_28_Safety_and_Operational_Study_Final_Report.pdf

