



Northern Virginia Transportation Authority FY2022-2027 Six Year Program


Date Submitted: 09/30/2021

Route 7 Improvements

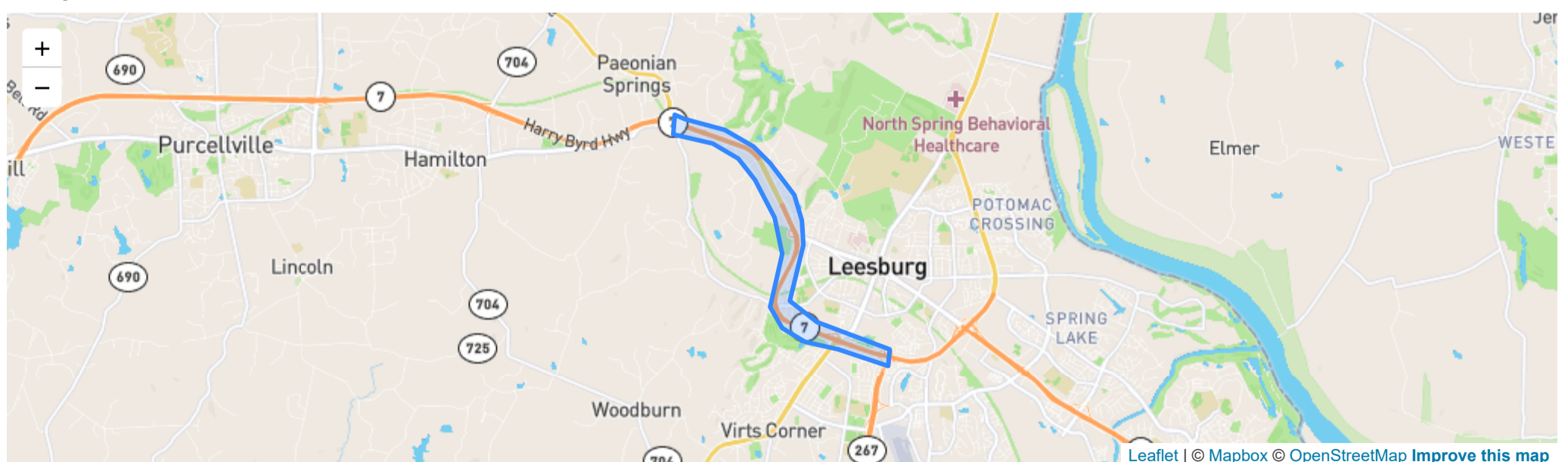
APPLICATION #: LDN-025
Route 9 to Dulles Greenway

Project Description

This project includes design, row acquisition, and construction to widen Route 7 from 2 to 3 lanes. The EB widening is about 4.2 mi long from the Route 9 interchange to the Dulles Greenway. Project includes: 12' lane and shoulder addition, access management reconstruction of two bridges, and bridge widening. The WB widening extends about 1.6 mi from the Dulles Greenway to the exit to Rte. 15 SB. The WB widening connects to the 3rd lane constructed in 2016 within the West Market St. Interchange. Independent projects within the Study Area are summarized below. VDOT is currently in the design phase for a project just east of Route 9 along Route 7. The Route 7 and Route 9 Interchange Improvements include extending the eastbound merge lane from Route 9 onto Route 7. The project is less than 1,000 feet in length. Currently, the corridor is primarily serving commuter traffic from western Loudoun County to points east such as Reston and Tysons. The existing congestion and access along the corridor has led to a history of crashes, which trends show are predominately property damage only in severity. The suggested improvements include the addition of a third lane eastbound between Route 9 and the Dulles Greenway, and a third lane westbound between the Dulles Greenway and W Market Street (Route 7 Business), where an existing third lane begins. Recommendations also include the removal of median left-turn lanes, addition of stormwater facilities, and retaining and sound walls. Future environmental work and permitting will be a necessary predecessor to any implementation. The proposed improvements are consistent with the 2017 VDOT STARS study report recommendations and the 2017 Loudoun County DTCI Route 7 Capacity and Congestion Study. The connection between the northbound Greenway and westbound Route 7 has planned improvements. The improvements will lengthen the acceleration lane on westbound Route 7 between the Dulles Greenway and S King Street, past the existing exit ramp to S King Street. The project will be administered by the operators of the Dulles Greenway.

Primary Mode(s)	Secondary Mode(s)
	
Application Number	LDN-025
Primary TransAction ID Number	168
Submitting Jurisdiction/Agency	Loudoun County
Location	The study area for this project is along Route 7 from Route 9 to the Dulles Greenway, it is approximately 4.5 miles in length. There are grade separated interchanges, at-grade access points, and grade separated roadways without access to Route 7 in the project area. Route 7 is a divided highway with a grass median. Westbound Route 7 is two lanes between the Dulles Greenway and W Market Street, a third lane extends from W Market Street to Route 9. Eastbound Route 7 is two lanes for entire study area. The existing roadway has a grass median, asphalt roadway, paved shoulders, and ditches. No pedestrian facilities exist along the corridor.
Requested NVTA Funds	\$20,000,000.00
NVTA Funds Approved	N/A
Previous NVTA Funds Received	\$0.00
Total Cost to Complete Project	\$130,992,500.00

Project Location



Project Milestones

	Study	Design / Engineering / Environmental	ROW and Utilities	Construction	Asset Acquisition
Earlier					
FY21					
FY22		X			
FY23		X			
FY24			X		
FY25			X		
FY26			X		
FY27			X	X	
Beyond				X	

Project Funding

Source	Study	Design / Engineering / Environmental	ROW and Utilities	Construction	Asset Acquisition	Total
Total Cost	\$0	\$18,088,000	\$10,360,000	\$102,544,500	\$0	\$130,992,500
NVTA Funds Applied	\$0	\$0	\$3,000,000	\$17,000,000	\$0	\$20,000,000
Local		\$16,150,000	\$3,400,000	\$53,850,000		\$73,400,000
Total Other	\$0	\$16,150,000	\$3,400,000	\$53,850,000	\$0	\$73,400,000
Gap	\$0	\$1,938,000	\$3,960,000	\$31,694,500	\$0	\$37,592,500

Project Analysis Highlights

Congestion Reduction Relative to Cost (CRRC) Rating	110.79
Congestion Reduction Relative to Cost (CRRC) Rank	2
TransAction Project Rating	33.32
TransAction Project Rank	5
Project's Past Performance (Percentage of expected funds that was reimbursed by 12/31/2021)	N/A
Jurisdiction/Agency's Past Performance on All Projects (Percentage of expected funds that was reimbursed by 12/31/2021)	56 %
Percentage of Total Project Cost Covered by Funds from Sources Other than NVTA	56 %
Local Priority	1
Number of Supporting Resolutions (does not include resolution from applicant's own Board/Council)	2
Number of NVTA-Funded Project(s) Nearby	0
Regional Funds allocated to NVTA-Funded Project(s) Nearby	\$0