Northern Virginia Transportation Authority
FY2024-2029 Six Year Program

South Van Dorn Street Bridge Enhancements

Date Submitted: 07/28/2023

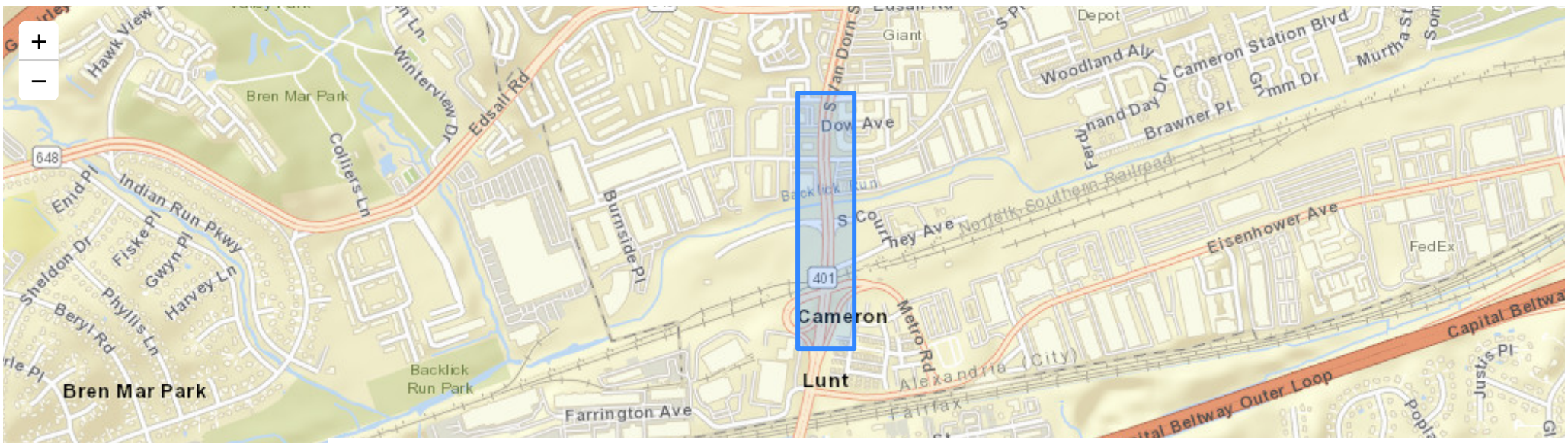
APPLICATION #: ALX-032

Project Description

This project will construct multimodal improvements to the South Van Dorn Street bridge between Metro Road and Courtney Avenue to accommodate a dedicated transit lane for the future West End Transitway and improve non-motorized facilities (i.e. sidewalk, cycle track) along the bridge for better connections between new developments to the north and south, transit stops/stations and the Van Dorn Metrorail station. The existing South Van Dorn Street bridge currently includes a narrow sidewalk along the east side only and no bicycle facilities. In 2016, the City completed the West End Transitway Alternatives Analysis and in 2017 the Environmental Documentation was completed. The conceptual plan for the full build-out from 2016 of the transitway included a dedicated bus lane on South Van Dorn Street, and the plan maintained existing vehicle travel lanes. The Eisenhower West Small Area Plan (EWSAP) also recommends multimodal improvements to the South Van Dorn Street bridge. In 2023, the City finalized a feasibility study that assessed traffic impacts for different options from the EWSAP, including a multi-modal bridge east of South Van Dorn Street, and a smaller bridge west of South Van Dorn Street, and developed more refined cost estimates to better understand the costs and benefits of each option. This study showed that the transit, pedestrian, and bicycle improvements have the biggest impact relative to cost. NVTA awarded the City funds to design this portion of the transitway for FY 2026, which includes structural, civil and traffic engineering design and analysis, as well as community engagement, environmental work, staff time, and contingency funds. This project supports the West End Transitway, planned development for the area, and improved multimodal connections to the Metrorail station and new activity centers in the Eisenhower Valley.

Primary Mode(s)	Secondary Mode(s)
	
Application Number	ALX-032
Primary TransAction ID Number	42
Submitting Jurisdiction/Agency	City of Alexandria
Location	The project is located on South Van Dorn Street between Metro Road and Courtney Avenue
Requested NVTA Funds	$10,000,000.00
NVTA Funds Approved	N/A
Previous NVTA Funds Received	$5,000,000.00
Total Cost to Complete Project	$15,070,000.00

Project Location



Leaflet | Tiles © Esri — Source: Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2012

Project Milestones

	Study	Design / Engineering / Environmental	ROW and Utilities	Construction	Asset Acquisition
Earlier	X				
FY23	X				
FY24					
FY25					
FY26		X			
FY27		X			
FY28		X			
FY29			X		
Beyond				X	

Year of expected project completion: FY2032

Project Funding

Source	Study	Design / Engineering / Environmental	ROW and Utilities	Construction	Asset Acquisition	Total
Total Cost	$70,000	$5,000,000	$0	$10,000,000	$0	$15,070,000
NVTA Funds Applied	$0	$0	$0	$10,000,000	$0	$10,000,000
Local	$70,000		$0			$70,000
Previous NVTA 70%		$5,000,000				$5,000,000
Total Other	$70,000	$5,000,000	$0	$0	$0	$5,070,000
Gap	$0	$0	$0	$0	$0	$0

Project Analysis Highlights

Congestion Reduction Relative to Cost (CRRC) Rating	33.00
Congestion Reduction Relative to Cost (CRRC) Rank	7
TransAction Project Rating	38.61
TransAction Project Rank	2
Project's Past Performance (Percentage of expected funds that was reimbursed by 12/31/2023)	N/A
Jurisdiction/Agency's Past Performance on All Projects (Percentage of expected funds that was reimbursed by 12/31/2023)	83.86%
Percentage of Total Project Cost Covered by Funds from Sources Other than NVTA	0.46%
Local Priority	3
Number of Supporting Resolutions (does not include resolution from applicant's own Board/Council)	0
Number of NVTA-Funded Project(s) Nearby	4
Regional Funds allocated to NVTA-Funded Project(s) Nearby	$97,450,000