

Duke Street Transitway Phase 2: Van Dorn Street and Duke Street Interchange Improvements

Date Submitted:
08/01/2025

APPLICATION #: ALX-040

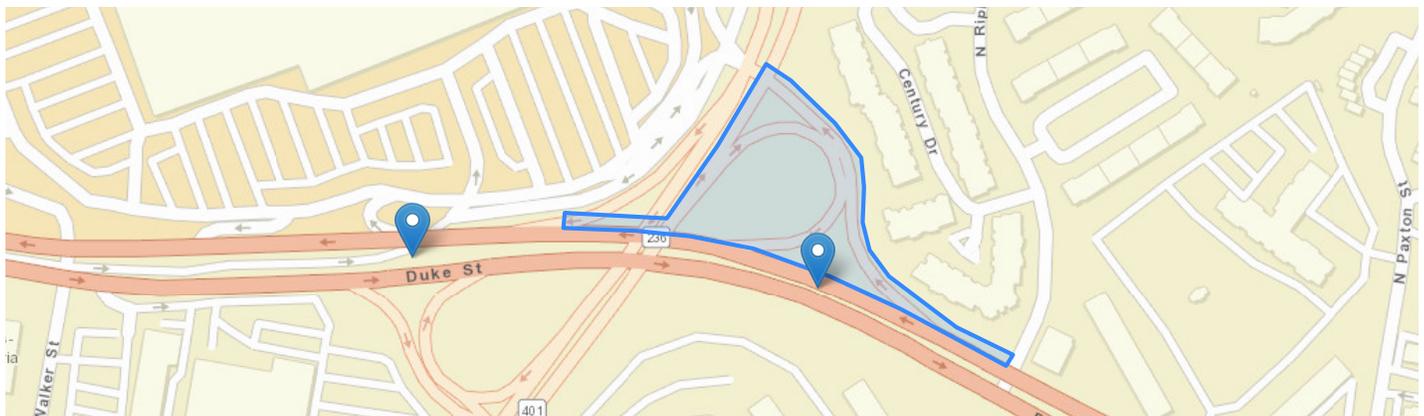
Reconfiguration of Existing Free-Flow Ramps as Intersections with Shared Use Paths

Project Description

Phase II of the Duke Street Transitway will include multiple improvements to improve mobility, access, and safety for people walking, biking, using transit, and driving near the intersection of Duke Street and Van Dorn Street, which is adjacent to the Landmark Mall mixed-use redevelopment site. This project would reconstruct existing interchange ramps east of Van Dorn Street to intersect at right angles, which would reduce vehicle speeds, improve sightlines, and shorten pedestrian crossing distances. This project would also install a new sidewalk where it is currently missing on Duke Street underneath the Van Dorn St overpass and provide a dedicated transit lane from westbound Duke Street to Van Dorn Street, facilitating bus access to the Landmark Transit Center. The existing free-flow ramps for access between the two roadways (east side of interchange) will be converted to traditional intersections at Van Dorn Street and Duke Street. The intersection of the ramps at Van Dorn Street will provide a four-legged intersection with full access to and from Van Dorn Street. The leg opposite the ramps (currently referred to as Road 5) will provide access to the West End Redevelopment. Included in the project is a new signalized intersection at the intersection of the westbound ramps to Van Dorn at Duke St.

Primary Mode(s)	Secondary Mode(s)
	
Application Number	ALX-040
Primary TransAction ID Number	197
Submitting Jurisdiction/Agency	City of Alexandria
Location	Interchange of Duke Street and Van Dorn Street in Alexandria, VA and the continuation of the Duke Street Transitway (Phase I). The start of the improvements would begin on Duke Street east of the free-flow ramp from southbound Van Dorn Street to westbound Duke Street up to the signalized intersection at N Ripley Street. This project would continue multimodal improvements planned along Duke Street and Van Dorn Street as part of the separate Duke Street Transitway project Phase I and the West End Redevelopment Project.
Requested NVTA Funds	\$15,000,000.00
NVTA Funds Approved	N/A
Previous NVTA Funds Received	\$87,000,000.00
Total Cost to Complete Project	\$102,555,000.00

Project Location



Project Milestones

	Study	Design / Engineering / Environmental	ROW and Utilities	Construction	Asset Acquisition
Earlier	X	X	X	X	
FY29			X	X	X
FY30			X	X	
FY31				X	
Beyond					

Year of expected project completion: FY2031

Project Funding

Source	Study	Design / Engineering / Environmental	ROW and Utilities	Construction	Asset Acquisition	Total
Total Cost	\$555,000	\$12,000,000	\$15,500,000	\$55,300,000	\$19,200,000	\$102,555,000
NVTA Funds Applied	\$0	\$0	\$1,300,000	\$13,700,000	\$0	\$15,000,000
Previous NVTA 70%		\$12,000,000	\$14,200,000	\$41,600,000	\$19,200,000	\$87,000,000
Local	\$555,000	\$0	\$0	\$0		\$555,000
Total Other	\$555,000	\$12,000,000	\$14,200,000	\$41,600,000	\$19,200,000	\$87,555,000
Gap	\$0	\$0	\$0	\$0	\$0	\$0

Project Analysis Highlights

Congestion Reduction Relative to Cost (CRRC) Rating	4.76
Congestion Reduction Relative to Cost (CRRC) Rank	12
TransAction Project Rating	23.64
TransAction Project Rank	3
Project's Past Performance (Percentage of expected funds that was reimbursed by 12/31/2025)	14.03%
Jurisdiction/Agency's Past Performance on All Projects (Percentage of expected funds that was reimbursed by 12/31/2025)	82.02%
Percentage of Total Project Cost Covered by Funds from Sources Other than NVTA	0.54%
Local Priority	1
Number of Supporting Resolutions (does not include resolution from applicant's own Board/Council)	0
Number of NVTA-Funded Project(s) Nearby	3
Regional Funds allocated to NVTA-Funded Project(s) Nearby	\$106,600,000