



Alexandria Duke Street Transitway

Project Description



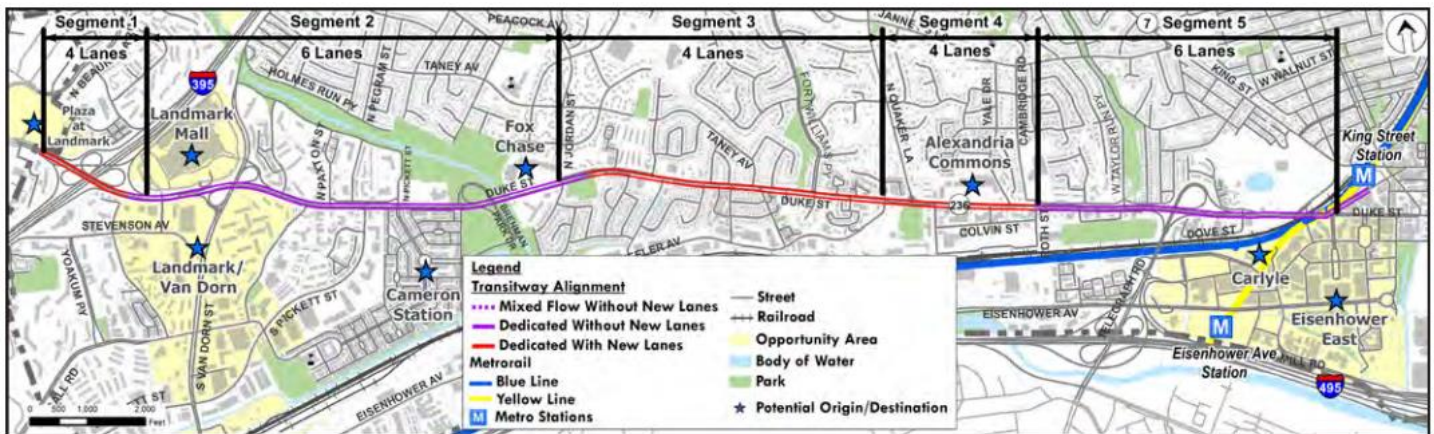
The Alexandria Duke Street Transitway will provide dedicated, curbside transit lanes on Duke Street for Bus Rapid Transit, between Diagonal Road (King Street Metro) and Walker Street (Landmark Mall). The conceptual design for the ultimate configuration, developed as part of the Transitway Corridors Feasibility Study (adopted by City Council in 2012), recommended that the existing curb lanes long most portions of Duke Street will be converted to a transit and business access lane.

Reference Number: 2018-045-2
TransAction ID: 41
Submitting Jurisdiction/Agency: City of Alexandria
Location: Duke Street, Diagonal Road to Walker Avenue (Landmark Mall)
Requested NVTA Funds: \$12,000,000
Previous NVTA Funds Received: \$250,000
Total Cost to Complete Project: \$115,050,000

In the section of Duke Street between Jordan Street and Wheeler Avenue, where there are currently four lanes, the street will be widened to provide a reversible center lane for general purpose traffic. The reversible lane would be configured to allow Duke Street to accommodate a dedicated transit lane in the peak hour and peak direction of traffic flow during the a.m. and p.m. peak periods along Duke Street. The project will include streetscape enhancements, transit stations, transit signal priority, a bicycle facility along Duke Street along with corridor-wide pedestrian improvements. Previous NVTA funding for FY 2014 (\$60,000), FY 2015 / 2016 (\$190,000) was used for the installation of Transit Signal Priority (TSP) along the Duke Street corridor to initiate improved transit reliability, the first step toward the development of a Bus Rapid Transit facility.

The funding request for FY21, FY22 and FY23 will be used toward a Full Time Employee (FTE) position within the City to provide overall project management, and to begin the environmental and design work toward the Transitway project. This would be a capitalized position within the City's annual budget, specifically for the Duke Street Transitway, and a specific charging code would be set up within the City's financial system so that all staff costs / charges would be toward the Duke Street Transitway project.

Project Location



Project Milestones

	Before FY2018	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	After FY2023
Design, Engineering, Environmental Work					X	X	X	
Right of Way Acquisition								X
Construction								X
Capital Asset Acquisitions								X

Project Funding

	Requested NVTA Funds	Other Funding Sources	Total Cost by Phase
Design, Engineering, Environmental Work	\$12,000,000	\$250,000 (NVTA 70% Funds)	\$12,250,000
Right of Way Acquisition			\$12,600,000
Construction			\$79,200,000
Capital Asset Acquisitions			\$11,000,000
TOTAL:	\$12,000,000	\$250,000	\$115,050,000

Note: There is a funding gap of \$102,800,000.

Project Analysis Highlights

Congestion Reduction Relative to Cost Ratio (Total Cost in \$1000's):	17.07
Congestion Reduction Relative to Cost Ratio Rank (Total Cost in \$1000's):	31
TransAction Project Rating:	71.33
TransAction Project Rating Rank:	15

Note: The project analysis above was completed by NVTA staff using data and information from the project application and analyses of the region's transportation network.

Regional Impacts

- Improve pedestrian facilities
- Enhance safety
- Improve travel time reliability
- Increase access to jobs, employers, and destinations
- Improve connections within areas of concentrated growth

Note: The regional impacts listed above are a summary of what was submitted in the project application NVTA staff received from the jurisdiction or agency that has applied for funding.