



## West End Transitway

### Northern Segment/Phase 1



### Project Description

The West End Transitway will provide high capacity Bus Rapid Transit (BRT) between the Pentagon in Arlington County and the Landmark Mall in Alexandria, connecting major employment centers, residential neighborhoods, and transit hubs. Capital investments include: rolling stock, construction of stations with amenities (real time bus, shelter, seating, lighting, etc.), installation of Transit Signal Priority (TSP), upgrades to existing traffic signals, dedicated bus lanes and queue jump lanes, and acquisition of right of way (ROW) needed for construction. Once constructed, the plan is to

operate two services – Local and Express. Under Phase 1, the Local service will operate between Landmark Mall and the Pentagon, serving the Beauregard and Van Dorn corridors, the Mark Center, Southern Towers, and Shirlington Bus Station in Arlington where the service will access I-395 to the Pentagon. The Express service will operate from Landmark Mall, serving the Van Dorn corridor, a portion of the Beauregard corridor, and the Mark Center where the service will access I-395 at Seminary Road to the Pentagon.

The funds requested in this application are for the first phase of the West End Transitway. The Northern Segment meets the Federal Transit Administration's (FTA) definition of minimal operable segment and will provide transit service not dependent on the Southern Segment (Landmark Mall to Van Dorn Metrorail station). The City of Alexandria intends to pursue implementation of the Southern Segment in later years beyond the timeframe of this SYP. In addition to funds for ROW, Construction, and Capital Asset Acquisition, the City is requesting funds in FY18-FY20 to hire a project manager to coordinate (within City departments and with funding, partner, and public stakeholders) the Design and Construction of the Transitway. This would be a capitalized position within the City's annual budget, specifically for the West End 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 West End Transitway project.

**Reference Number:** 2018-040-1

**TransAction ID:** 42

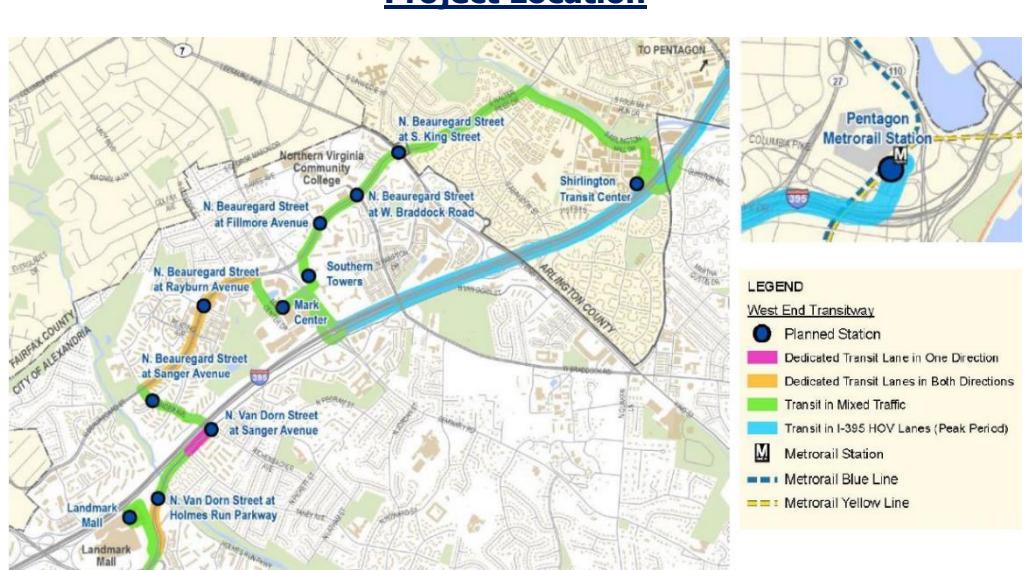
**Submitting Jurisdiction/Agency:** City of Alexandria

**Location:** Landmark Mall to Pentagon

**Requested NVT A Funds:** \$60,750,000

**Previous NVT A Funds Received:** \$2,400,000

**Total Cost to Complete Project:** \$128,151,000  
(Phase 1 – Northern Segment)



## Project Milestones

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

\*Other funds will be used to hire a Project Manager to complete Design and through Construction.

## Project Funding

	Requested NVT A Funds	Other Funding Sources	Total Cost by Phase
Design, Engineering, Environmental Work		\$3,400,000 (SMART SCALE, NVT A)	\$3,400,000
Right of Way Acquisition	\$2,500,000	\$1,000,000 (SMART SCALE)	\$21,000,000
Construction	\$40,500,000	\$8,001,000 (SMART SCALE)	\$86,001,000
Capital Asset Acquisitions	\$17,000,000		\$17,000,000
Other	\$750,000		\$750,000
<b>TOTAL:</b>	<b>\$60,750,000</b>	<b>\$12,401,000</b>	<b>\$128,151,000</b>

Note: There is a funding gap of \$55,000,000.

## Project Analysis Highlights

**Congestion Reduction Relative to Cost Ratio (Total Cost in \$1000's):** **23.73**

**Congestion Reduction Relative to Cost Ratio Rank (Total Cost in \$1000's):** **26**

**TransAction Project Rating:** **68.16**

**TransAction Project Rating Rank:** **29**

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

## Regional Impacts

- Improve connectivity and increase access for residents, visitors and employees to major transit and employment centers
- Improve travel time reliability for transit users
- Improve the safety of the transportation network
- Reduce transportation related emissions

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