Alexandria ITS Projects

Intelligent Transportation System Improvements

Project Description

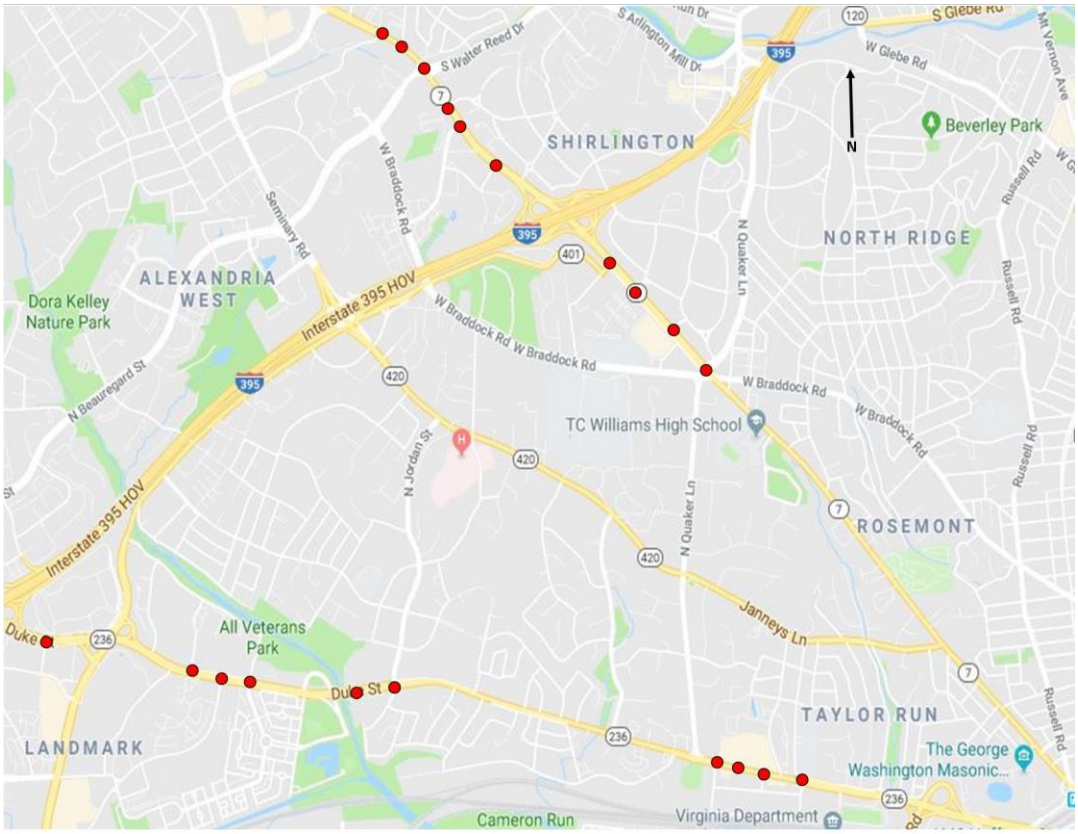
The City of Alexandria's ITS projects will install a transit vehicle signal priority system on King Street between Dawes Avenue and Quaker Lane: and enhance the transit vehicle signal priority system on Duke Street between Walker Street and Telegraph Road.

Reference Number: 2018-041-0
TransAction ID: 113
Submitting Jurisdiction/Agency: City of Alexandria
Location: King St. between Dawes Ave. and Quaker Lane; Duke St. between Walker St. and Telegraph Rd.
Requested NVTA Funds: $1,195,491
Total Cost to Complete Project: $1,195,491

The following King Street traffic signals will be impacted by this project: Dawes Avenue, Chesterfield Road, Beauregard Street, S. 28th Street, North Hampton Drive, Park Center Drive, Menokin Drive, N. Dearing Street, S. Taylor Street, and N. Quaker Lane.

The Following Duke Street traffic signals will be impacted by this project: S. Walker Street, N. Paxton Street, S. Pickett Street, N. Pickett Street, Fox Chase Shopping Center, Jordan Street, S. Quaker Lane, Alexandria Commons Shopping Center, Sweeley Street, and Roth Street.

Project Location



Project Milestones

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

Project Funding

	Requested NVTA Funds	Other Funding Sources	Total Cost by Phase
Design, Engineering, Environmental Work	$200,000		$200,000
Right of Way Acquisition			
Construction	$995,491		$995,491
Capital Asset Acquisitions			
TOTAL:	$1,195,491		$1,195,491

Project Analysis Highlights

Congestion Reduction Relative to Cost Ratio (Total Cost in $1000's): **5520.61**

Congestion Reduction Relative to Cost Ratio Rank (Total Cost in $1000's): **1**

TransAction Project Rating: **65.00**

TransAction Project Rating Rank: **49**

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

- Reduce congestion through improved transit operations
- Increase people moving capacity of the existing roadways
- Improve regional connectivity

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.