



Construct Interchange at Prince William Parkway University Boulevard

Project Description



This project consists of constructing intersection improvements at the intersection of Prince William Parkway (Route 234) and University Boulevard. The project will be designed and constructed as a quadrant roadway (QR) intersection, which is known as an innovative intersection by the Virginia Department of Transportation.

As part of the project, left turns will not be permitted at the main intersection and vehicles will use the connector road and secondary intersections to complete left turn movements.

Removing left turns from the main intersection will allow this intersection to operate under a two-phase signal control, which will increase green time on Prince William Parkway and University Boulevard. The design will include signaling two new intersections at the terminus of the new connector road. This intersection was reviewed under the VDOT Strategically Targeted Affordable Roadway Solutions (STARS) program, which is used to develop comprehensive, innovative transportation solutions to improve congestion and solve traffic and safety challenges in the State of Virginia. VDOT has invested \$400,000 in studying the Prince William Parkway Corridor for potential improvements to major intersections.

Reference Number: 2018-035-0
TransAction ID: 324
Submitting Jurisdiction/Agency: Prince William County
Location: Prince William Parkway at University Boulevard Intersection
Requested NVTA Funds: \$24,200,000
Total Cost to Complete Project: \$24,200,000

Project Location



Project Milestones

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

Project Funding

	Requested NVTA Funds	Other Funding Sources	Total Cost by Phase
Design, Engineering, Environmental Work	\$2,900,000		\$2,900,000
Right of Way Acquisition	\$400,000		\$400,000
Construction	\$20,900,000		\$20,900,000
TOTAL:	\$24,200,000		\$24,200,000

Project Analysis Highlights

Congestion Reduction Relative to Cost Ratio (Total Cost in \$1000's):	17.57
Congestion Reduction Relative to Cost Ratio Rank (Total Cost in \$1000's):	30
TransAction Project Rating:	72.69
TransAction Project Rating Rank:	11

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 and improve travel time
- Improve operations at the intersection

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.