



# Construct Interchange at Prince William Parkway and Clover Hill Road

## Project Description



This project consists of constructing improvements at the intersection of Prince William Parkway (Route 234) and Clover Hill Road. Prince William Parkway at Clover Hill Road will be converted from an existing conventional intersection to a bowtie intersection. Left turns will not be permitted at the main intersection and vehicles must turn right or continue straight and use downstream roundabouts to complete left turn movements. Removing left turns from the main intersection will allow the intersection to operate under a two-phase signal control, which increases green time on Prince William Parkway and the overall intersection. The roundabouts will be designed to accommodate large trucks and will be spaced to provide appropriate storage for queuing. The project will also include the construction of a 10' shared use path along Clover Hill 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.

<b>Reference Number:</b> 2018-039-0
<b>TransAction ID:</b> 284
<b>Submitting Jurisdiction/Agency:</b> Prince William County
<b>Location:</b> Prince William Parkway at Clover Hill Road Intersection
<b>Requested NVTA Funds:</b> \$12,900,000
<b>Total Cost to Complete Project:</b> \$12,900,000

## 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
Construction								X

**Project Funding**

	Requested NVTA Funds	Other Funding Sources	Total Cost by Phase
Design, Engineering, Environmental Work	\$1,500,000		\$1,500,000
Right of Way Acquisition	\$200,000		\$200,000
Construction	\$11,200,000		\$11,200,000
<b>TOTAL:</b>	\$12,900,000		\$12,900,000

**Project Analysis Highlights**

<b>Congestion Reduction Relative to Cost Ratio (Total Cost in \$1000's):</b>	<b>72.84</b>
<b>Congestion Reduction Relative to Cost Ratio Rank (Total Cost in \$1000's):</b>	<b>13</b>
<b>TransAction Project Rating:</b>	<b>68.35</b>
<b>TransAction Project Rating Rank:</b>	<b>26</b>

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 operations at the intersection of Prince William Parkway and Clover Hill Road
- Reduce congestion and improve travel times along the corridor
- Provide bicycle and pedestrian facilities on Clover Hill Road within the project limits.

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.