



Northstar Boulevard Shreveport Drive to Tall Cedars Parkway

Project Description

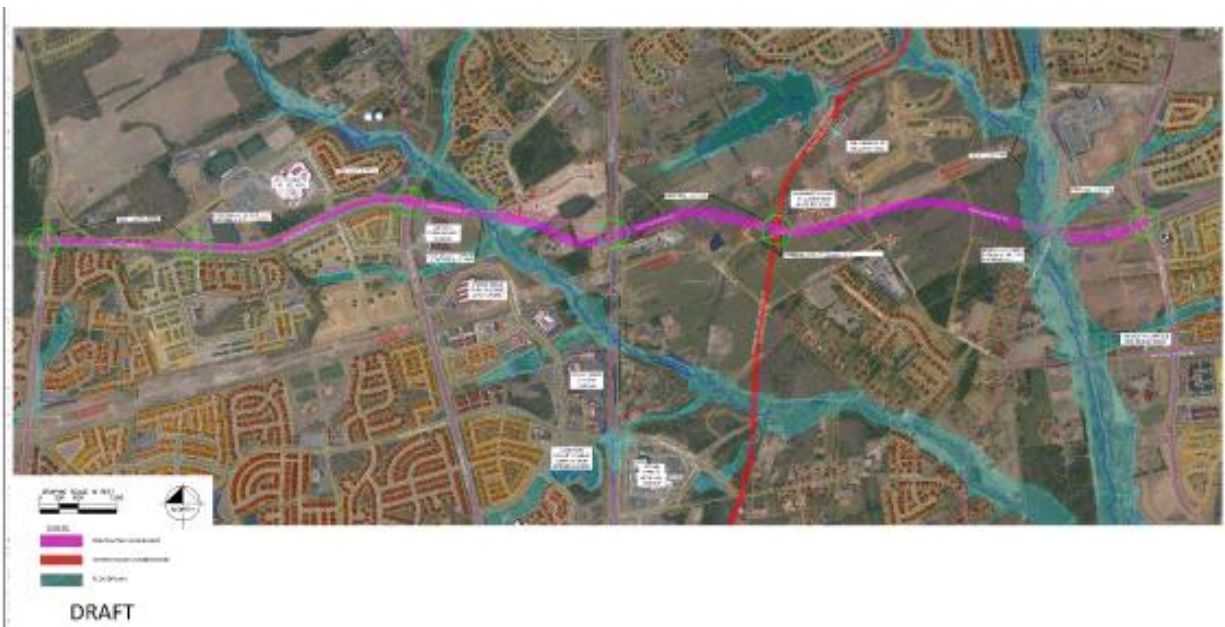


Northstar Boulevard is planned to open as a 4-lane controlled access divided road within a 6-lane Right of Way from Tall Cedars Parkway to Shreveport Drive, including shared use paths (10-foot-wide) on both sides. Northstar Boulevard provides an alternative to Route 606 to points north from Route 50, alleviating congestion on Route 606 and creating better access to the Brambleton and Stone Ridge areas. VDOT has recognized Northstar Boulevard as part of a North/South Corridor of Statewide Significance due to its potential to reduce congestion on parallel north/south routes between I-95 and Dulles Airport and to connect travelers to activity centers in Loudoun County and beyond.

Reference Number: 2018-022-0
TransAction ID: 119, 188
Submitting Jurisdiction/Agency: Loudoun County
Location: Shreveport Drive to Tall Cedars Parkway
Requested NVTA Funds: \$89,805,000
Total Cost to Complete Project: \$135,180,000

This project will construct approximately 2.25 miles of Northstar Boulevard as a minor arterial that will be a key north/south connection on the west side of Dulles International Airport. The north terminus of this project will construct the 4th leg of the Shreveport Road and Northstar Boulevard intersection and install a new Traffic Signal. This project will provide dedicated left and right turn lanes from Shreveport Drive to southbound Northstar Boulevard as well as turn lanes on the new Northstar Boulevard leg. Where this new segment of the Northstar Boulevard crosses over Evergreen Mills Road, directional ramps will be constructed on the east side of Northstar Boulevard to provide access to Evergreen Mills Road. This project will construct a new signalized intersection at U.S. Route 50. Left and Right turn lanes would be constructed along all approaches and a wide median that would allow for dual left-turn lanes on both Northstar Boulevard and U.S. Route 50. The intersection at U.S. Route 50 is an interim condition that is ultimately planned to be interchange but not part of this project. The southern terminus of this project at Tall Cedars parkway will be a T-intersection that this project would build the northern leg as well as additional improvements south of Tall Cedars Parkway to transition Northstar Boulevard back to the existing two-lane section south of the project limits.

Project Location



Project Milestones (Northstar Blvd. – Route 50 to Tall Cedars Parkway)

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

Project Milestones (Northstar Blvd. – Shreveport Drive to Route 50)

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

Project Funding

	Requested NVTA Funds	Other Funding Sources	Total Cost by Phase
Design, Engineering, Environmental Work		\$26,087,000 (Loudoun County)	\$26,087,000
Right of Way Acquisition	\$6,500,000	\$11,000,000 (Loudoun County)	\$17,500,000
Utilities Relocations		\$1,000,000 (Loudoun County)	\$1,000,000
Construction	\$83,305,000	\$15,476,000 (Loudoun County)	\$90,593,000
Other		\$1,000,000 (Loudoun County)	\$1,000,000
TOTAL:	\$89,805,000	\$45,375,000	\$135,180,000

Project Analysis Highlights

Congestion Reduction Relative to Cost Ratio (Total Cost in \$1000's):	65.39
Congestion Reduction Relative to Cost Ratio Rank (Total Cost in \$1000's):	16
TransAction Project Rating:	69.54
TransAction Project Rating Rank:	22

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

- Enhance quality of life and economic strength
- Reduce congestion and improve travel time
- Increase access to employees, markets, jobs and destinations
- Improve connections among and within areas of regional growth.
- Reduce the amount of traffic moving through these intersections and allow the historic character of the area to remain intact

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.