



Northern Virginia Transportation Authority FY2022-2027 Six Year Program



Construct Interchange at Prince William Parkway and Minnieville Road

Date Submitted:
09/28/2021

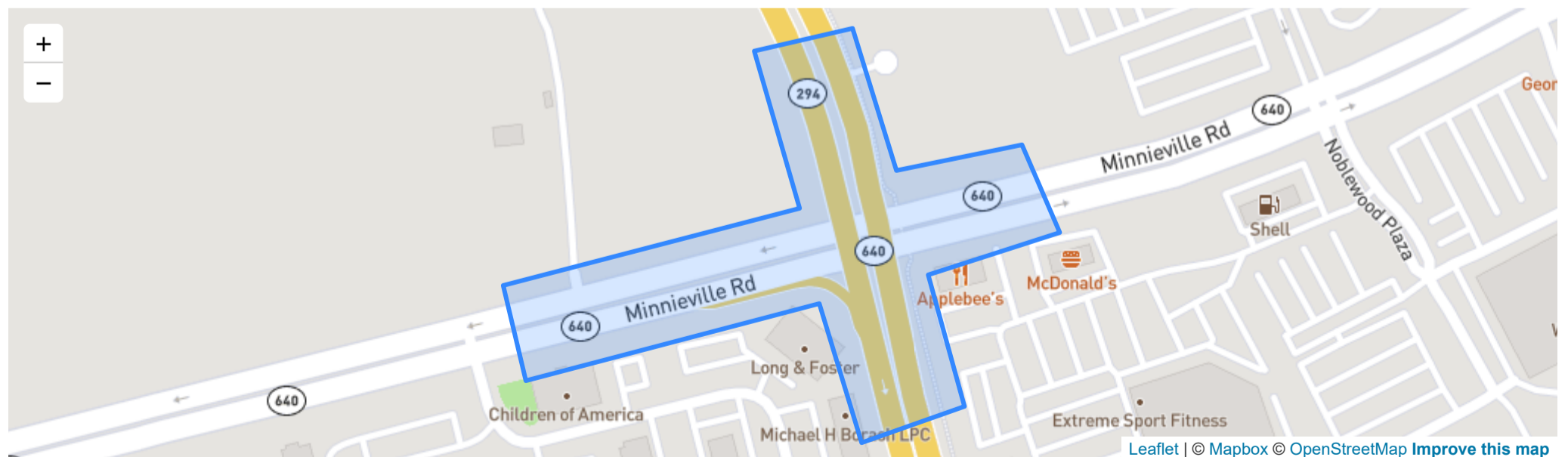
APPLICATION #: PWC-031

Project Description

The project constructs an innovative interchange at the intersection of Prince William Parkway (Route 294) and Minnieville Road (Route 640). The proposed concept is a Single Point Urban Interchange (SPUI)-Below Grade which will take Route 294 underground and bring Route 640 above the intersection. This concept will improve operations and safety of the intersection with less than 1 acre of ROW impact to minimize impacts and maintain the urban character of the area. The intersection serves regional traffic accessing I-95 and Benefit Cost Analysis of the project found the project had significant congestion reduction benefits, with a reduction of 2,089 hours of delay over the No Build Scenario for 2025. The intersection was a targeted location of the County Police's Roadway Incident Management Program (RIMP) due to the high number of incidents and the project's crash modification factors, including grade separation, addition of protected left turn, conversion to right-in/right-out and signal retiming/optimization, will substantially improve safety and further enhance travel time reliability along the corridor. This includes improving travel time reliability for the OmniRide commuter route operating at 20 to 35 minute service frequency through the intersection during AM and PM peak periods. The project includes a 10-foot shared use path along the north side of Prince William Parkway and a 5-foot sidewalk along the southside of Prince William Parkway and west side of Minnieville Road to enhance active mobility.

Primary Mode(s)	Secondary Mode(s)
	
Application Number	PWC-031
Primary TransAction ID Number	279
Submitting Jurisdiction/Agency	Prince William County
Location	The project is located 2.5 miles west of I-95 at the intersection of Prince William Parkway (Route 294) and Minnieville Road (Route 640). The project termini on Route 294 is Noblewood Plaza east of the intersection and approximately .25 miles west of the intersection. On Route 640, the termini are Hedgewood Drive to the south of the intersection and just south of Elm Farm Road to the north. The project is located within the boundaries of the Dale City Small Area Plan, which is a major gateway to Prince William County from I-95 that has been targeted for mixed-use transit-oriented development.
Requested NVTA Funds	\$67,500,000.00
NVTA Funds Approved	N/A
Previous NVTA Funds Received	\$0.00
Total Cost to Complete Project	\$70,000,000.00

Project Location



Project Milestones

	Study	Design / Engineering / Environmental	ROW and Utilities	Construction	Asset Acquisition
Earlier					
FY21					
FY22					
FY23					
FY24					
FY25					
FY26		X			
FY27		X	X		
Beyond			X	X	

Project Funding

Source	Study	Design / Engineering / Environmental	ROW and Utilities	Construction	Asset Acquisition	Total
Total Cost	\$0	\$10,000,000	\$10,000,000	\$50,000,000	\$0	\$70,000,000
NVTA Funds Applied	\$0	\$7,500,000	\$10,000,000	\$50,000,000	\$0	\$67,500,000
NVTA 30%		\$2,500,000				\$2,500,000
Total Other	\$0	\$2,500,000	\$0	\$0	\$0	\$2,500,000
Gap	\$0	\$0	\$0	\$0	\$0	\$0

Project Analysis Highlights

Congestion Reduction Relative to Cost (CRRC) Rating	13.55
Congestion Reduction Relative to Cost (CRRC) Rank	14
TransAction Project Rating	13.75
TransAction Project Rank	16
Project's Past Performance (Percentage of expected funds that was reimbursed by 12/31/2021)	N/A
Jurisdiction/Agency's Past Performance on All Projects (Percentage of expected funds that was reimbursed by 12/31/2021)	57 %
Percentage of Total Project Cost Covered by Funds from Sources Other than NVTA	4 %
Local Priority	1
Number of Supporting Resolutions (does not include resolution from applicant's own Board/Council)	0
Number of NVTA-Funded Project(s) Nearby	0
Regional Funds allocated to NVTA-Funded Project(s) Nearby	\$0