



Northern Virginia Transportation Authority FY2024-2029 Six Year Program

Frontier Drive Extension and Intersection Improvements

Date Submitted: 07/28/2023

APPLICATION #: FFX-134

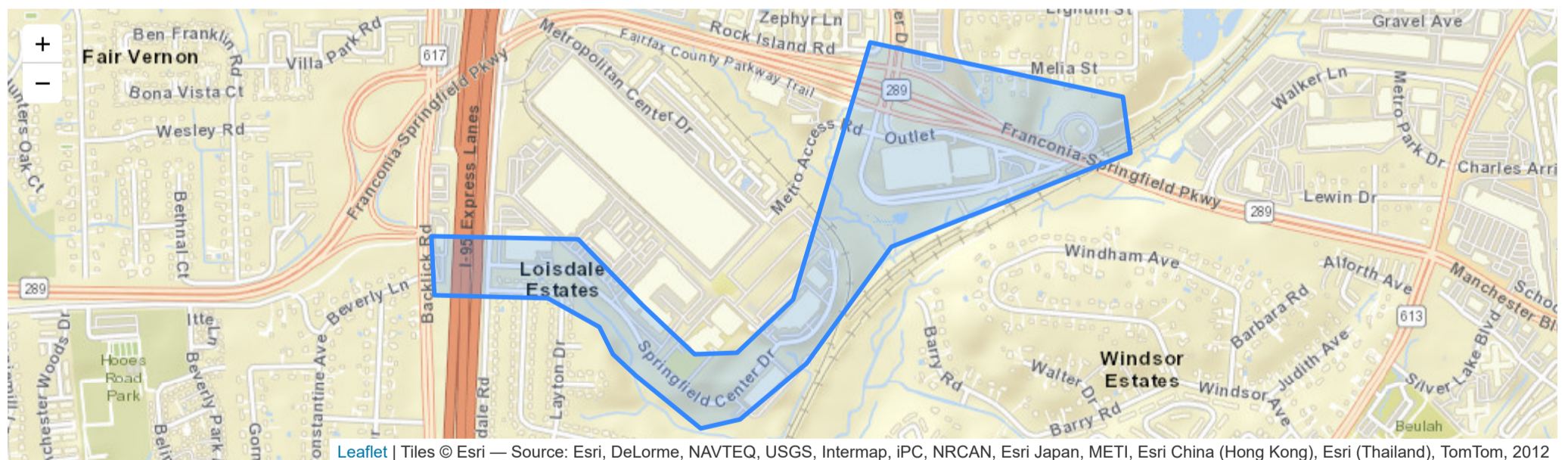
Frontier Drive terminus to Loisdale Road

Project Description

The project will extend Frontier Drive from its current southern terminus at the Joe Alexander Transit Center to Loisdale Road, through the Springfield Industrial Park, generally along the existing Springfield Center Drive alignment. The extension and the proposed braided ramps to and from the Franconia- Springfield Parkway would facilitate traffic and transit access to the Transit Center, which includes the Franconia-Springfield Station serving both the Washington Metropolitan Area Transit Authority (WMATA) Metrorail and Virginia Railway Express Commuter Rail systems. The extension will provide a more direct connection for twenty transit routes and Greyhound bus service, some of which will operate between the Transit Center and the General Services Administration (GSA)/ Springfield Industrial Park Road network and the Northern Virginia Community College. The current disconnected roadway forces transit providers to develop circuitous routes to reach the GSA road network. The more direct routing is anticipated to reduce travel time by 3 to 4 minutes on each trip. The project will also provide separated pedestrian and bicycle facilities along Frontier Drive (Shared-Use Paths on both sides) and provide access to the Transportation Security Administration headquarters adjacent to the GSA site. The proposed Frontier Drive Extension is envisioned to run on the western portion of the Transit Center property and would affect current station access and circulation. The new roadway would require conversion of the existing southbound entrance road from Frontier Drive and the Franconia- Springfield Parkway into a new, two-way, four-lane, divided, minor arterial facility, with associated turn lanes and a new entrance accessing the Transit Center. The provision of separated pedestrian and bicycle facilities, along with the roadway extension, will allow transit dependent populations and those who chose not to drive safe and more reliable access to transit connections at one of the most important hubs in Northern Virginia. Combined, these improvements will add to regional sustainability and overall quality of life.

Primary Mode(s)	Secondary Mode(s)
Application Number	FFX-134
Primary TransAction ID Number	84
Submitting Jurisdiction/Agency	Fairfax County
Location	The limits for the Frontier Drive Extension Project are from the existing Frontier Drive terminus to Loisdale Road.
Requested NVTA Funds	\$164,992,286.00
NVTA Funds Approved	\$111,957,472
Previous NVTA Funds Received	\$27,000,000.00
Total Cost to Complete Project	\$241,630,600.00

Project Location



Project Milestones

	Study	Design / Engineering / Environmental	ROW and Utilities	Construction	Asset Acquisition
Earlier		X			
FY23		X			
FY24		X			
FY25		X	X		
FY26		X	X		
FY27		X	X	X	
FY28		X	X	X	
FY29		X	X	X	
Beyond				X	

Year of expected project completion: FY2032

Project Funding

Source	Study	Design / Engineering / Environmental	ROW and Utilities	Construction	Asset Acquisition	Total
Total Cost	\$0	\$12,600,000	\$75,434,814	\$153,595,786	\$0	\$241,630,600
NVTA Funds Applied	\$0	\$2,600,000	\$50,434,814	\$111,957,472	\$0	\$164,992,286
Local		\$8,000,000	\$0			\$8,000,000
Previous NVTA 70%		\$2,000,000	\$25,000,000	\$0		\$27,000,000
Other				\$41,638,314		\$41,638,314
Total Other	\$0	\$10,000,000	\$25,000,000	\$41,638,314	\$0	\$76,638,314
Gap	\$0	\$0	\$0	\$0	\$0	\$0

Project Analysis Highlights

Congestion Reduction Relative to Cost (CRRC) Rating	6.26
Congestion Reduction Relative to Cost (CRRC) Rank	21
TransAction Project Rating	30.96
TransAction Project Rank	7
Project's Past Performance (Percentage of expected funds that was reimbursed by 12/31/2023)	8.16%
Jurisdiction/Agency's Past Performance on All Projects (Percentage of expected funds that was reimbursed by 12/31/2023)	39.08%
Percentage of Total Project Cost Covered by Funds from Sources Other than NVTA	20.54%
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	3
Regional Funds allocated to NVTA-Funded Project(s) Nearby	\$62,958,821

Application Notes

Funds are approved for fulfilling construction costs.