



# Northern Virginia Transportation Authority FY2022-2027 Six Year Program

## Seven Corners Ring Road Improvements

Date Submitted: 10/01/2021

APPLICATION #: FFX-125

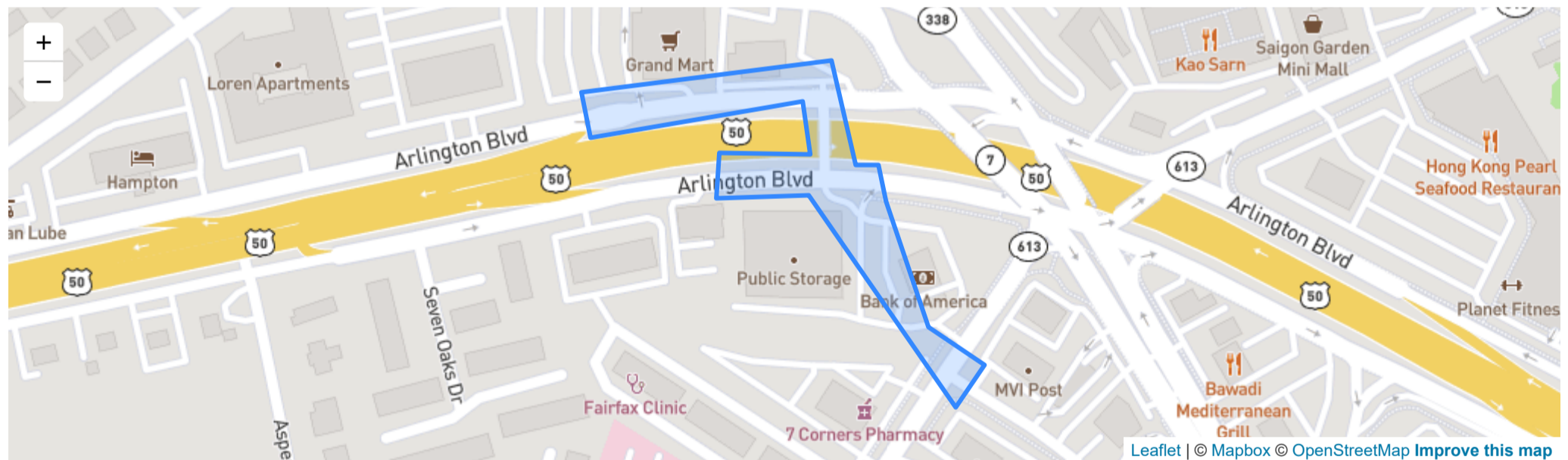
Arlington Boulevard (Route 50) Westbound Ramp to Castle Place/Sleepy Hollow Road

### Project Description

Phase 1A, Segment A of the Seven Corners Ring Road Improvements project includes the construction of a portion of the Seven Corners "Ring Road" from Arlington Blvd (Route 50) Westbound Ramp to the intersection of Castle Place and Sleepy Hollow Road with travel lanes, a bi-directional cycletrack, and parking lanes. The existing Seven Corners Interchange is a confusing confluence of major roads (Arlington Blvd (Route 50), Leesburg Pike (Route 7), and Wilson Blvd/Sleepy Hollow Road), multiple signalized intersections, extremely limited pedestrian facilities and no bicycle facilities. The Seven Corners Transportation Study, Phase II (November 2014), identified that most of the intersections at the Seven Corners Interchange operate at level of service E or F during peak periods, due to the convergence of several regional commuting corridors at a single point. The interchange causes high levels of congestion, long periods of vehicular delay and safety concerns for pedestrians, bicyclists and transit users. The proposed Ring road concept will help move traffic around the interchange area, converting the section of Route 7 where it crosses over Route 50 into a one-way couplet, and closing some of the Seven Corners roads such as Hillwood Avenue to increase capacity for the other connections. This project application is to design the first phase of the new Seven Corners Interchange.

| Primary Mode(s)                | Secondary Mode(s)  |
|--------------------------------|--|
|                                |  |
| Application Number             | FFX-125  |
| Primary TransAction ID Number  | 18   |
| Submitting Jurisdiction/Agency | Fairfax County   |
| Location                       | Arlington Boulevard (Route 50) Westbound Ramp to Castle Place/Sleepy Hollow Road (see map) |
| Requested NVTA Funds           | \$94,800,000.00  |
| NVTA Funds Approved            | N/A  |
| Previous NVTA Funds Received   | \$0.00   |
| Total Cost to Complete Project | \$94,800,000.00  |

### Project Location



## Project Milestones

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

## Project Funding

| Source             | Study | Design / Engineering / Environmental | ROW and Utilities | Construction | Asset Acquisition | Total        |
|--------------------|-------|--------------------------------------|-------------------|--------------|-------------------|--------------|
| Total Cost         | \$0   | \$4,200,000                          | \$63,200,000      | \$27,400,000 | \$0               | \$94,800,000 |
| NVTA Funds Applied | \$0   | \$4,200,000                          | \$63,200,000      | \$27,400,000 | \$0               | \$94,800,000 |
| Total Other        | \$0   | \$0                                  | \$0               | \$0          | \$0               | \$0          |
| Gap                | \$0   | \$0                                  | \$0               | \$0          | \$0               | \$0          |

## Project Analysis Highlights

|   |           |
|---|-----------|
| Congestion Reduction Relative to Cost (CRRC) Rating   | 5.13      |
| Congestion Reduction Relative to Cost (CRRC) Rank   | 18        |
| TransAction Project Rating  | 8.83      |
| TransAction Project Rank  | 22        |
| 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) | 47%       |
| Percentage of Total Project Cost Covered by Funds from Sources Other than NVTA  | 0%        |
| Local Priority  | 6         |
| Number of Supporting Resolutions (does not include resolution from applicant's own Board/Council)                       | 1         |
| Number of NVTA-Funded Project(s) Nearby   | 1         |
| Regional Funds allocated to NVTA-Funded Project(s) Nearby   | \$838,000 |