

Introduction and Goals



Project Site



Existing Bridge

Why is this project happening now?

- Routine inspection in 2018 uncovered deterioration of the Arlington Ridge Road bridge.
- To keep the bridge safely operational, Arlington County implemented a vehicle weight restriction of 5-tons and closed the sidewalks, converting one travel lane for exclusive use of people walking and biking.
- In order to reduce the risk of additional weight restrictions and bridge closure, the substandard superstructure must be replaced soon.

What are the goals for this project?

- Replace bridge superstructure to resolve existing safety issues and improve lighting and access
- Enhance pedestrian and bicycle facilities
- Implement vision of Four Mile Run Master Plan (2006) and Design Guidelines (2009)

Project Guidance

Arlington County and Alexandria projects are guided by a series of planning documents, developed with substantial community input. These plans help establish the project goals.

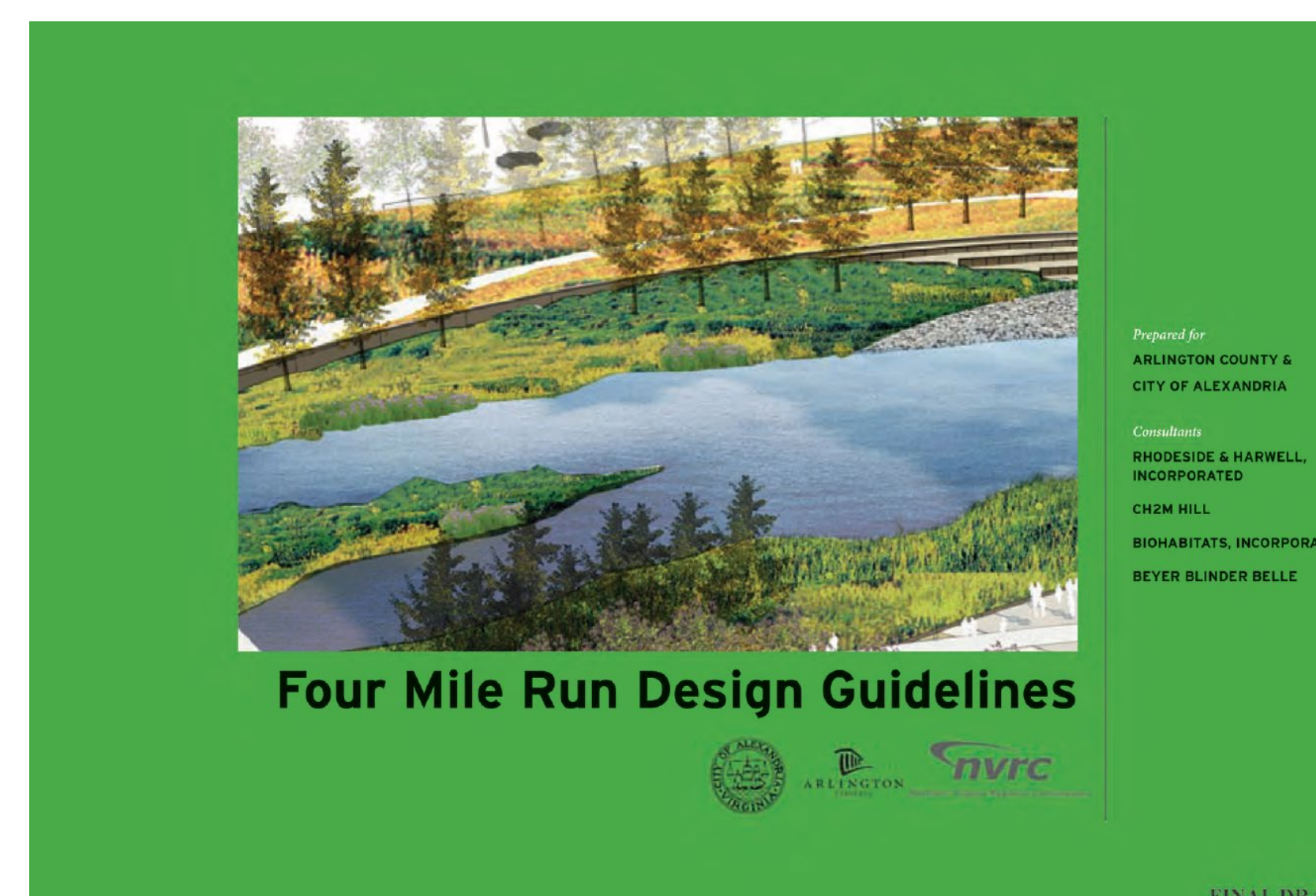
Transportation Master Plan

As a transportation project, the Arlington Ridge Road Bridge replacement is guided by the Master Transportation Plan and its supporting elements such as the Bicycle and Pedestrian Elements.

- ✓ Enhance bicycle and pedestrian facilities
- ✓ Embrace modern technology and materials
- ✓ Animate the public realm with aesthetic improvements
- ✓ Improve lighting for security and aesthetics in compliance with “Dark Sky” standards
- ✓ Design and operate Complete Streets

Location-Specific Master Plans

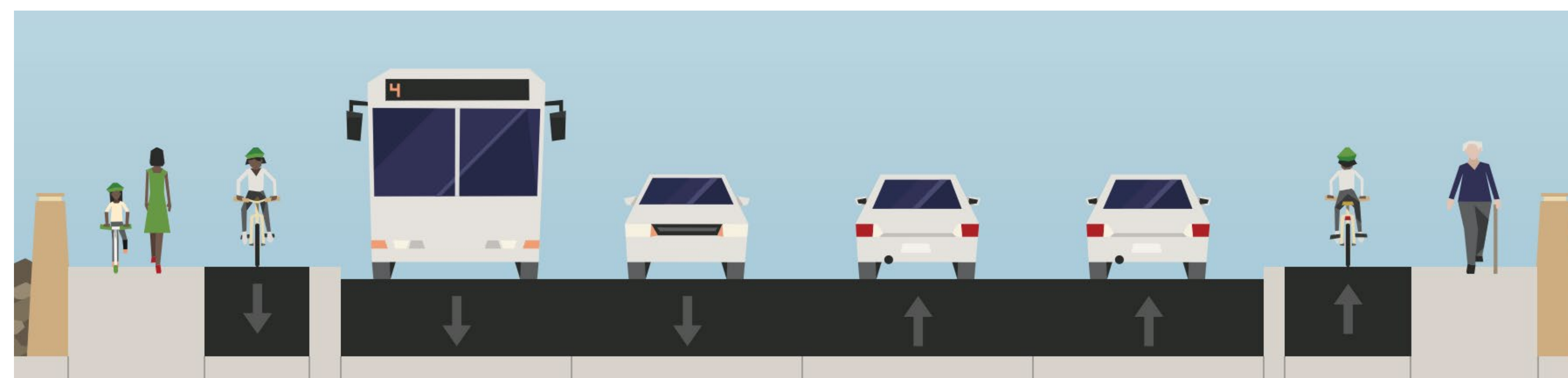
Two location-specific documents help guide projects in this area, including the Four Mile Run Restoration Master Plan and the supporting Four Mile Run Design Guidelines.



Bridge Design

Cross Section

- The new cross section includes:
 - 5'6" sidewalks
 - 6' raised bike lanes
 - Four 11' vehicle travel lanes



Cross section generated using Streetmix

Art Enhancement

- The County and City of Alexandria selected Vicki Scuri SiteWorks to design art enhancements on both bridges.
 - Community feedback (spring 2022) helped inform the design of the art enhancement.
- Once complete, the Arlington Ridge and the West Glebe Bridges, will be seen as a pair.



Art enhancement renderings courtesy Vicki Scuri SiteWorks

Project Timeline

Phased Construction

Responding to community concern for connectivity and the impact to residents living in proximity:

- The bridge will continue to operate during construction with reduced travel lanes
- At least one lane in each direction will be maintained
- People walking and biking will continue to have access across Four Mile Run

Trail Closures and Detour

For the safety of pedestrians and cyclists the Four Mile Run Trail will be closed intermittently during construction.

- A full closure is expected for approximately 2 weeks during new steel beam placement
- Users will be directed to detour along South Glebe Road and South Lang Street
- Street and sidewalk improvements (striping and bollards) will be made along the detour route prior to use

