



## **FY 2015-16 PROJECT DESCRIPTION FORM (6I)**

### **Basic Project Information**

**Submitting Agency:** City of Fairfax

**Project Title:** Northfax - Intersection and Drainage Improvements at U.S. Route 29/50 and Route 123 6I

**Project Type (check one):**  
Roadway (  ) Transit (  )

**VA State Route Number (if applicable) and NVTA Corridor Number (1-8):** U.S. Route 50 (Fairfax Boulevard)/U.S. 29 (Lee Highway) (NHS) and VA 123 (Chain Bridge Road) (NHS). Corridor 6.

- 1. Project Description:** The Route 29/50 at Route 123 intersection in the City of Fairfax is a critical component of the local and regional transportation network with two major National Highway System (NHS) roadways intersecting at this location. The existing intersection is heavily congested resulting in poor levels of service (LOS) and extended delays for vehicles approaching/leaving the intersection.

The project will provide geometric improvements on all legs of the intersection to improve traffic operations at the intersection and reduce delays experienced by travelers. These improvements include the extension of a 3rd northbound lane on Route 123 from Route 29/50 to Eaton Place, the addition of a dual left turn from southbound Route 123 to eastbound Route 29/50, the correction of substandard existing lane shifts within the project limits, the extension of turn lanes, and access management improvements where feasible. Additionally, the existing drainage system conveying the North Fork Accotink Creek through the project's limits (from Route 123 to Eaton Place along Route 29/50) is inadequate. There is frequent flooding of the roadways within the project's limits. The project will provide a new drainage system, including a major culvert. The project will provide a new drainage system, including a major culvert, to alleviate the flooding problems and adequately convey the 100-year storm event through the project's limits.

- 2. Requested NVTA Funds:** \$10,000,000 (FY 16)
- 3. Phase(s) of Project Covered by Requested NVTA Funds:** ROW, Construction
- 4. Total Cost to Complete Project:** \$25,000,000
- 5. Project Milestone -Study Phase:** Start of Study- N/A



6. **Project Milestone -Preliminary Engineering (30% Design):** Start of PE (month/year) October 2011
7. **Project Milestones -Final Design:** Start of Final Design - July 2014
8. **Project Milestones -Right-of-Way:** ROW acquisitions completed - February 2015
9. **Project Milestone – Construction:** Start of Construction - March 2016
10. **Project Milestone – Mass Transit Vehicle Acquisition:** Start of Construction - N/A
11. **Is Project in Transaction 2040:**  
Yes ( X )                      No (   )
12. **Project in 2010 CLRP:** ID# 1891
13. **Project Leverages other Funding:** (please state amount)
  - Local ( X )
  - State ( X )
  - Federal ( X )
  - Other:



## Stated Benefits

- **What Regional benefit(s) does this project offer?**

This project will enhance the regional transportation network by reducing congestion and improving traffic operations at the intersection of two National Highway System routes (Route 123 and Route 29/50), which connects drivers to I-66. The drainage improvement component of the project will improve safety by eliminating existing hazardous flooding conditions to ensure that the NHS routes will remain in service during heavy storm events.

- **How does the project reduce congestion?**

The project incorporates several features that will reduce congestion and improve traffic operations at the intersection of Route 123 and Route 29/50. These features include the extension of a third northbound lane on Route 123 from Route 29/50 to Eaton Place; the addition of a dual left turn from southbound Route 123 to eastbound Route 29/50; the correction of substandard existing lane shifts within the project limits; the extension of turn lanes to improve turn lane capacity and operations; and access management improvements where feasible. This combination of improvements will improve the level of service (LOS) at the intersection, reduce traveler delays and improve mobility within the project limits and the surrounding area.

- **How does project increase capacity? (Mass Transit Projects only )**

N/A

- **How does project improve auto and pedestrian safety?**

Pedestrian safety will be enhanced through the provision of standard pedestrian facilities (sidewalks) in compliance with ADA requirements throughout the project limits and improved pedestrian crossings with pedestrian signal phases at all signalized intersections. Safety for drivers will be enhanced with the correction of existing substandard lane shifts within the project limits and the improvement of roadway and roadside features to meet current VDOT requirements. Additionally, the elimination of the existing flooding issues by the construction of an adequate drainage system will enhance safety for all users of the facilities.

- **List internet links below to any additional information in support of this project:**

<http://www.fairfaxva.gov/government/public-works/transportation-division/current-transportation-projects/route-29-50-fairfax-blvd-at-route-123-chain-bridge-road-intersection-drainage-improvements>

