



## FY 2015-16 PROJECT DESCRIPTION FORM (6J)

### Basic Project Information

Submitting Agency: City of Fairfax

Project Title: Kamp Washington Intersection Improvements - Jermantown / Route 50 Roadway Improvements (6J)

Project Type (*check one*):

Roadway ( X ) Transit ( )

VA State Route Number (if applicable) and NVTA Corridor Number (1-8): Route 50 (Fairfax Boulevard) (NHS) Corridor 6

- 1. Project Description:** This project includes the addition of a third westbound lane along Route 50 (Fairfax Boulevard) (NHS) from Bevan Drive to Jermantown Road; the widening of northbound Jermantown Road to allow for two through lanes adjacent to the left turn lane into the shopping center; geometric improvements to southbound Jermantown Road to provide a dual right turn lane, through lane, and left turn lane; and replacement of span-wire signals with mast arm signals at both the Route 50/Jermantown Road and Route 50/Bevan Drive intersections.
- 2. Requested NVTA Funds:** \$1,000,000
- 3. Phase(s) of Project Covered by Requested NVTA Funds:** Construction
- 4. Total Cost to Complete Project:** \$6,500,000
- 5. Project Milestone -Study Phase:** Start of Study – N/A
- 6. Project Milestone -Preliminary Engineering (30% Design):** Start of PE - April 2010
- 7. Project Milestones -Final Design:** Start of Final Design - January 2011
- 8. Project Milestones -Right-of-Way:** ROW acquisitions completed - January 2013
- 9. Project Milestone – Construction:** Start of Construction - March 2015
- 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: N/A**

**13. Project Leverages other Funding:** (please state amount)

- Local ( X ) \$5,700,000
- State ( X ) \$800,000
- Federal (..)
- Other:



## Stated Benefits

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

Route 50 (Fairfax Boulevard) is a National Highway System Route within the City of Fairfax. This segment of Route 50 is a critical component of the regional transportation network, serving as a link between the City of Fairfax and Fairfax County and I-66. This project will enhance operations on both Route 50 and Jermantown Road by improving capacity for westbound traffic exiting the City and improving the Jermantown Road southbound intersection approach. The addition of an additional westbound lane on Route 50 between Bevan Drive and Jermantown Road will decrease PM peak period congestion for westbound Route 50. The additional southbound right turn lane on Jermantown Road will decrease PM peak period traffic congestion for southbound Jermantown Road. The geometric improvements on southbound Jermantown Road will improve mobility in the vicinity of the intersection with Route 50. This combination of improvements will allow for additional green-time at the intersection signal to be assigned to Route 50, which enhances regional mobility and improves operations on the NHS route.

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

The Route 50 corridor is a component of the National Highway System. This critical transportation network link between the City of Fairfax and I-66 in the west is heavily congested in its current configuration. West of Jermantown Road, Route 50 provides three westbound through lanes to I-66. By providing a third westbound through lane between Bevan Drive and Jermantown Road, the project will increase westbound capacity and provide a consistent number of through lanes with the existing roadway to the west. Additionally, the improvements to Jermantown Road will allow the minor road approaches to operate at acceptable levels with less signal green time. This green time can be assigned to Route 50, further enhancing westbound throughput and reducing congestion in this area.

The City of Fairfax is currently administering two adjacent projects within the Route 50 corridor – the Jermantown Road/Route 50 Roadway Improvements and the Kamp Washington (Route 50/29/236 Roadway Improvements). These projects contribute individually to congestion relief on the National Highway System within the City of Fairfax, and combined they provide improvements to the regional network by enhancing safety and mobility, improving level of service, reducing traveler delay, and enhancing overall traffic operations.

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

N/A



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

Vehicular safety at the Jermantown Road/Fairfax Boulevard intersection will be enhanced by the improvements to the lane configurations for the Jermantown Road approach to the intersection. The existing configuration includes substandard lane shifts and a drop lane into a shopping center in close proximity to the main intersection. Proposed improvements will eliminate the drop lane by providing a dedicated turn lane at this location and correcting substandard lane shifts in the proximity of the intersection. Pedestrian safety will be enhanced by 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.

- **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/jermantown-road-phase-ii-improvements>

