



FY 2015-16 PROJECT DESCRIPTION FORM (9I)

Basic Project Information

Submitting Agency: City of Alexandria

Project Title: Real-Time Adaptive Control and Data Management (9I)

Project Type (check one):

Roadway (X) Transit ()

VA State Route Number (if applicable) and NVTA Corridor Number (1-8): Route 236

1. **Project Description:** The Real-Time Adaptive Control and Data Management project will integrate adaptive traffic signal control with cellular tracking data to provide real-time traffic management and data warehousing, or Transportation Data Integration. Data management resources will provide comprehensive input for transportation planning efforts. The completed project will provide daily management of the transportation system and during special events and emergencies. Project will be in NVTA Corridors 7 and 8.
2. **Requested NVTA Funds:** \$500,000 for FY15-FY16 NVTA 70% funds are being requested for the Real-Time Adaptive Control and Data Management study.
3. **Phase(s) of Project Covered by Requested NVTA Funds:** This covers the project study phase only.
4. **Total Cost to Complete Project:** \$16,500,000
5. **Project Milestone -Study Phase:** Start study in December 2015
6. **Project Milestone -Preliminary Engineering (30% Design):** N/A
7. **Project Milestones -Final Design:** N/A
8. **Project Milestones -Right-of-Way:** No Right-of-way is required for this project
9. **Project Milestone – Construction:** N/A
10. **Project Milestone – Mass Transit Vehicle Acquisition:** 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 ()
- State ()
- Federal ()
- Other:



Stated Benefits

- **What Regional benefit(s) does this project offer?**
This project benefits the region by reducing traffic congestion and delays as well as providing transportation planning data to better prioritize and design future projects.
- **How does the project reduce congestion?**
This project reduces congestion by continuously optimizing traffic signal operation in real-time to ensure that the transportation network functions at peak performance. This project also provides a valuable planning tool for future congestion mitigation projects.
- **How does project increase capacity? (Mass Transit Projects only)**
- **How does project improve auto and pedestrian safety?**
Not available at this time, will review results from the study
- **List internet links below to any additional information in support of this project:**
None at this time