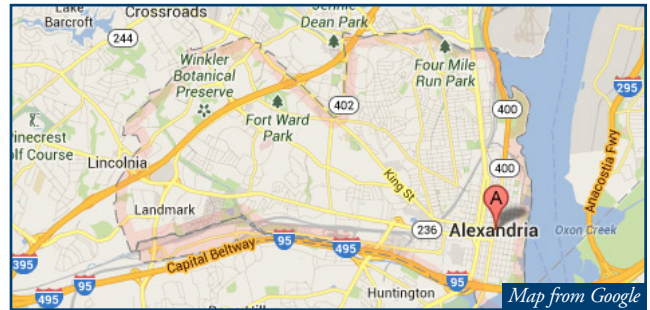# NORTHERN VIRGINIA TRANSPORTATION AUTHORITY

# Project Description Form — 8H

## Basic Project Information

1. **Submitting Agency:**
   City of Alexandria

2. **Project Title:** Shelters and Real-Time Transit Information for DASH/WMATA

3. **Project Type:**
   ☐ Roadway   ☐ Multimodal   ☑ Transit

4. **Project Description/Scope:** This project would fund the replacement and expansion of bus shelters at high ridership locations throughout the City. The shelters would include amenities, such as real-time transit information to improve riders' access to information and customer satisfaction. Real-time transit data infrastructure installed at 25 high ridership stops. Improve transit service across the region by integrating real-time transit information system and providing high quality transit stops for bus patrons traveling into and out of the City of Alexandria. Bus shelter construction and installation of real time transit signs will begin in FY2014.

5. **Route** (if applicable)/**Corridor:**
   Corridor 8

6. **Total Project Cost:** $1,500,000

7. **Total Funds Required:** $450,000


Map from Google

8. **Phase/s of Project Covered by Funding:** WMATA recently awarded real-time transit information contract (City will ride contract to procure signs), City's bus shelters currently at 95% design phase, expected 100% design by June 2013.

9. **Project Milestones** (by phase, include all phases):
   • Bus shelter construction and installation of real time transit signs will begin in FY2014

10. **In TransAction 2040 plan?**
    ☑ Yes   ☐ No

11. **In CLRP, TIP or Air Quality Neutral?**
    Yes. CLRP, STIP ID # 7971

12. **Leverages Sources:**
    ☐ Local   ☑ State   ☑ Federal
    ☐ Other (please explain)

    These funds leverage $1,050,000 of funds committed by the Federal Highway Administration and the Federal Transit Administration to build bus shelters.

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### PROJECT ANALYSIS

**Tier I** ☑ Pass  ☐ Fail

**Tier II** 8 out of 8 points

**Tier III Congestion Reduction Relative to Cost:**

*Plan* ☑ CLRP  ☐ TA2040 only   *Rating* ☑ High  ☐ Med  ☐ Low

# Stated Benefits

1.  **What regional benefit/s does this project offer?** This project would fund the replacement and expansion of bus shelters at high ridership locations throughout the City. The shelters would include amenities, such as real-time transit information to improve riders' access to information and customer satisfaction. Real-time transit data infrastructure installed at 25 high ridership stops. Improve transit service across the region by integrating real-time transit information system and providing high quality transit stops for bus patrons traveling into and out of the City of Alexandria. Bus shelter construction and installation of real-time transit signs will begin in FY2014.

2.  **How does the project reduce congestion?** According to information published by the Metropolitan Transit Authority of Harris County, Texas, (Houston) providing and attractive bus shelter increases transit ridership at that location by 20 people per day. Similarly, VIA in San Antonio, Texas has found that transit ridership has increased 10% since it installed new bus shelters. The Federal Transit Administration in a report entitled "White Paper on Literature Review of Real Time Information System" indicated that after a Swedish city implemented the "Think Tram-Use Bus" program, which provides real-time arrival times at bus stops and signal priority, market share for public transit jumped from 19% to 22%.

3.  **How does the project increase capacity?** *(Mass transit projects only)* According to information published by the Metropolitan Transit Authority of Harris County, Texas, (Houston) providing and attractive bus shelter increases transit ridership at that location by 20 people per day.

4.  **How does the project improve auto and pedestrian safety?** This project provides safe and accessible places for passengers to wait for the bus and supports the use of transit, thus reducing the number of drivers on the road.

5.  **List internet address/link to any additional information or documentation in support of project benefits.** *(Optional)*

    Metropolitan Transit Authority of Harris County web site.

    VIA Web site

    White Paper on Literature Review of Real Time Transit Information Systems, Multisystems and Battelle- August, 2002

6.  **Project Picture/Illustratives**