

## CITY OF ALEXANDRIA

### SUMMARY OF SPECIFICATIONS FOR UNION STREET STUDY SCOPE OF SERVICES

(Date Prepared: 3/15/2012)

**Goal of Study:** As part of the Waterfront Small Area Plan (Plan) implementation process, the City is seeking proposals from consultants for a circulation study of the Union Street Corridor (including the area extending from the west side of Union Street to the Potomac River, between Pendleton Street and Jones Point Park). The goal of the study is to assess conditions within the area and make recommendations which will support and promote a safe, lively and compelling waterfront where pedestrians, bicyclists and all users can feel safe and comfortable, minimizing intermodal conflicts.

**Data Collection and Analysis:** The study will entail the collection and analysis of data for existing conditions. Data collection and analysis (see back) will focus on areas such as:

- vehicular, pedestrian and bicycle counts and circulation patterns;
- update to the Old Town Parking Study;
- motorcoach loading, unloading, and short-term parking;
- delivery trucks loading and unloading;
- origin-destination patterns;
- traffic signal warrant analysis; and
- intermodal connections.

Data collection will be undertaken through field assessments on designated days/times and at designated locations within the study area as determined by the City.

**Supplemental Information:** The collected data will be analyzed utilizing industry based methodologies supplemented by existing City data, studies and plans for the area including:

- Topographic Survey Data (property lines, topography, and utilities, etc.)
- Geographic Information System (GIS) data
- Studies/Plans
  - Waterfront Small Area Plan and Traffic Study (including trip generation data)
  - Wayfinding Plan
  - Pedestrian and Bicycle Mobility Plan
  - Old Town Area Parking Study
  - Transportation Master Plan

**Deliverables:** The analysis will be documented in a final report summarizing key findings, recommendations and alternatives for enhancing circulation, with particular attention on the enhancement and safety of non-motorized circulation.

**Timeline:** The timeline for the study will be the spring 2012 for collection and analysis of data with a final report in fall 2012.

**Community Meetings:** The successful team will hold three meetings with the advisory group and two community meetings before the Planning Commission and City Council.

## **UNION STREET STUDY DATA COLLECTION AND ANALYSIS**

Analysis and data collection should be conducted for the AM, PM and midday weekday peak periods and the Saturday midday peak period.

**Vehicles, Pedestrians and Bicycle Counts:** Turning movement counts will be taken at the intersections of King Street and Union Street, Union Street and Cameron Street, and Union Street and Duke Street. Turning movement counts should include vehicles, transit vehicles, trucks, bicycles and pedestrians.

**Field Assessments:** Field assessments will be conducted during different hours of the day on two weekdays and one Saturday to identify issues and assess existing constraints.

**Crash Data:** Crash data will be collected and analyzed for the intersections of King Street and Union Street, Union Street and Cameron Street, and Union Street and Duke Street for a period of three years.

**Daily Traffic Data:** Data will be collected for 24-hour count data for a seven day period for two locations (one north and one south of King Street) along Union Street.

**Signal Warrant Analysis for King Street and Union Street:** The necessary data to be able to conduct a Signal Warrant Analysis for the intersection of King Street and Union Street will be collected and the analysis will be conducted.

**Parking:** The Union Street Study will update and analyze the utilization data in the 2010 Old Town Area Parking Study (OTAPS). The data collection for this parking task should include one weekday peak period and one weekend peak period.

**Motorcoach:** The Union Street Study will address motor-coach loading/unloading and short-term parking, building on recommendations by the City's Motorcoach Task Force. The data collection for the motorcoach analysis task should include one weekday peak period and one weekend peak period.

**Loading and Unloading:** The Union Street Study will analyze loading and unloading activity that occurs along Union Street as delivery trucks serve businesses on that Corridor. The data collection for this task should include one weekday peak period and one weekend peak period.

**Circulation:** Collect and analyze origin-destination data for one weekday two-hour period during the PM peak period and one four hour period during the weekend peak period for the study area.