Union Street Corridor Study

RCPA Commission
September 20, 2012
Project Goals and Challenges

• Evaluate existing conditions along Union Street for all modes.
• Identify specific strategies to ensure that Union Street fosters connections.
• Balance the needs of all modes and follow Complete Streets design principles.
• Enhance safety for all modes.
Ongoing work

- **Existing Transportation Conditions**
  - Field Assessments
  - Traffic Counts (all modes!)
  - Parking
  - Overnight Parking
  - Delivery Truck Activity
  - Motorcoach Activity
  - Crash Data

- **Public Engagement**
  - Stakeholder Interviews
  - Waterfront Commission
  - Trail Intercept Surveys

- **Alternatives and Recommendations**
Union Street Today
Multi-Modal Volumes

PENDLETON to CAMERON

CAMERON to DUKE

DUKE to FRANKLIN

Consistent throughout week

Busiest on Saturday
Union Street Today
Multi-Modal Volumes
Site-specific Improvements

- Mt. Vernon Trail Connection
- King Street & Union Street/Union Block of King Street
- Windmill Hill Park
Site-specific Improvement
Mt. Vernon Trail Connection - Issues

- Mt. Vernon Trail connection to Pendleton Street
- Connecting parks
- Crossing train tracks
- Pedestrian crossing where Union Street and Pendleton intersect
- Connection of Alexandria Waterfront Walk & park to park
Site-specific Improvement
Mt. Vernon Trail Connection

Short-Term Improvement
Site-specific Improvement
Mt. Vernon Trail Connection

Short-Term Improvement

Mid-Term Improvement
Site-specific Improvement
King & Union/Unit Block of King Street

**Pilot Pedestrian Space**
- Maintains access for one-way traffic and
- More seating & gathering space

**Improved Crosswalks**

**Pilot Left-Turn Restrictions**
- Bike corral for more bike parking
Site-specific Improvement
Windmill Hill Park

• Higher speeds between Wolfe Street and Gibbon Street
• Bicycles entering and exiting via Wilkes Street trail
• Desire to connect both sides of Windmill Hill Park
• Build on work done in Windmill Hill Park Concept Plan (2003)
**SITE-SPECIFIC IMPROVEMENTS: WINDMILL HILL PARK**

**OPTION 1: RAISED CROSSWALK**

- Raised intersection (from Windmill Hill Park Concept Plan 2003)
- Conceptual improvements
- Example raised crosswalk

**OPTION 1A: CENTER MEDIAN**

- Conceptual improvements
- Existing
- Example center median

**SITE ISSUES**
- Cars speeding between Wolfe Street and Gibbon Street
- Bicycles entering and exiting via Wilkes Street Trail
- Desire to connect both sides of Windmill Hill Park
- Desire to build on work done in Windmill Hill Park Concept Plan (2003)
- All improvements to be coordinated with future bulkhead and park design

**OPTION 2: CHICANE**

- Conceptual improvements
- Existing Union Street Southbound
- Conceptual cross section
Site-specific Improvement
Windmill Hill Park
Site-specific Improvement
Windmill Hill Park

Existing

Proposed Chicane
Union Street Today

From building face to building face....

- 8 feet sidewalk
- 7 feet parking
- 26 feet cars and bikes
- 8 feet sidewalk
Corridor Alternative

Move Tree Boxes
Shared Street

Components of a Shared Street:

- Roadway is flush with sidewalk
- Textured pavement similar to sidewalk with curb line to delineate pedestrian-only space
- Motorists, cyclists, and pedestrians all share the road
- Level of street transitions similar to a raised intersection
Flexible Parking

- Reclaims pavement for public space and more active uses
- Possible to pilot alternate uses of parking spaces
- Potential for keeping parking part-time

San Francisco Examples
Next Steps

- Final Waterfront Commission Meeting (September 27, 2012)
  - Selection of preferred alternatives
- Planning Commission
- Transportation Commission
- City Council
- Final Plan Development