



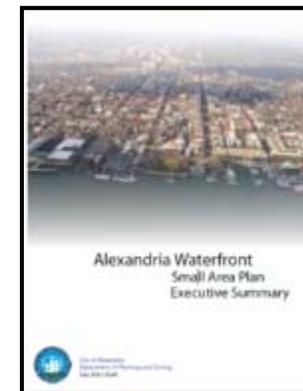
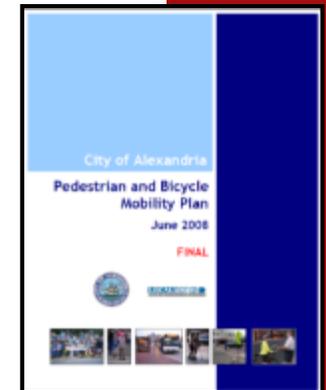
# Union Street Corridor Study

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.

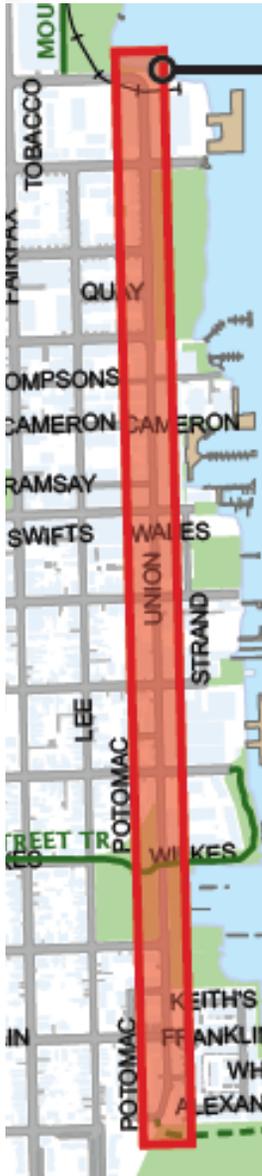


# Ongoing work

- 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**



*consistent  
throughout  
week*

**CAMERON**  
**to**  
**DUKE**



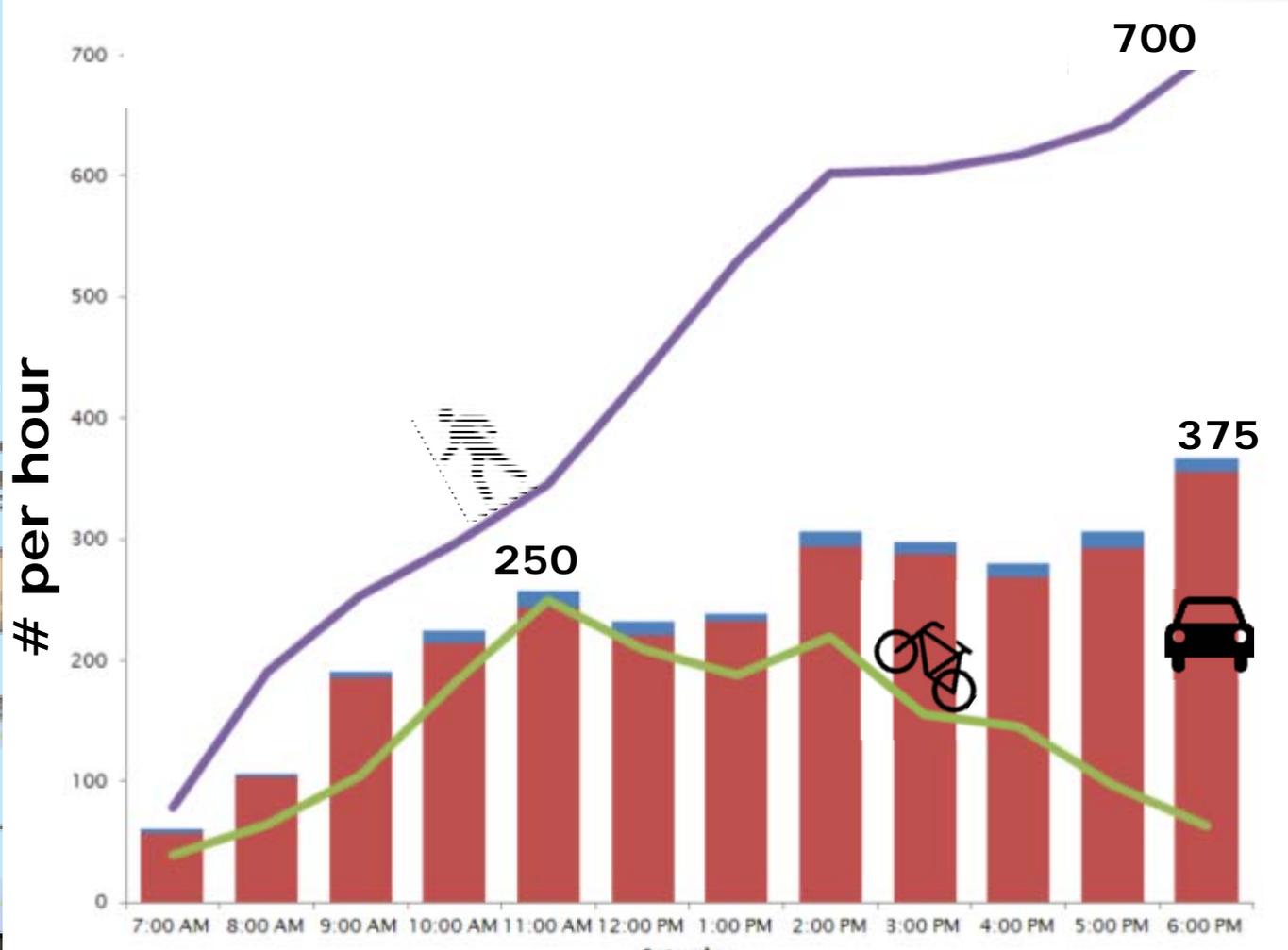
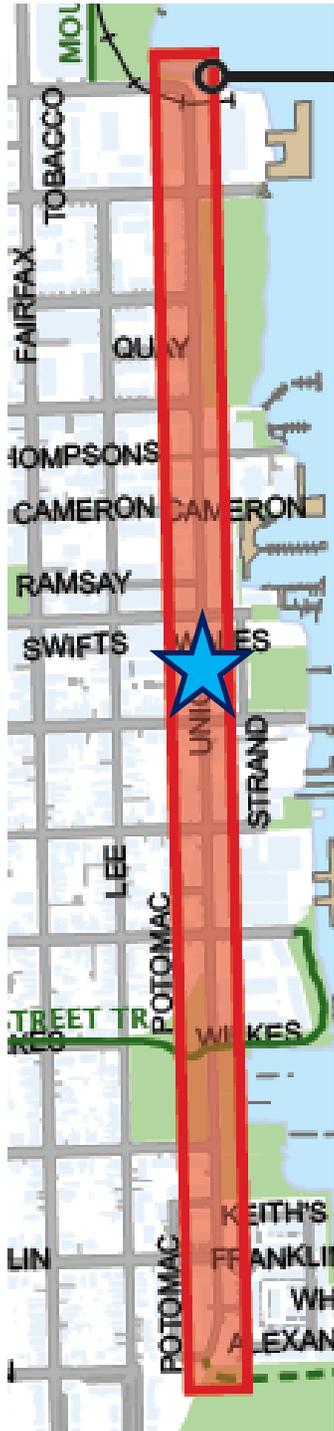
*busiest on  
Saturday*

**DUKE**  
**to**  
**FRANKLIN**



*consistent  
throughout  
week*

# Union Street Today Multi-Modal Volumes



Time of Day on Saturday





# Site-specific Improvement

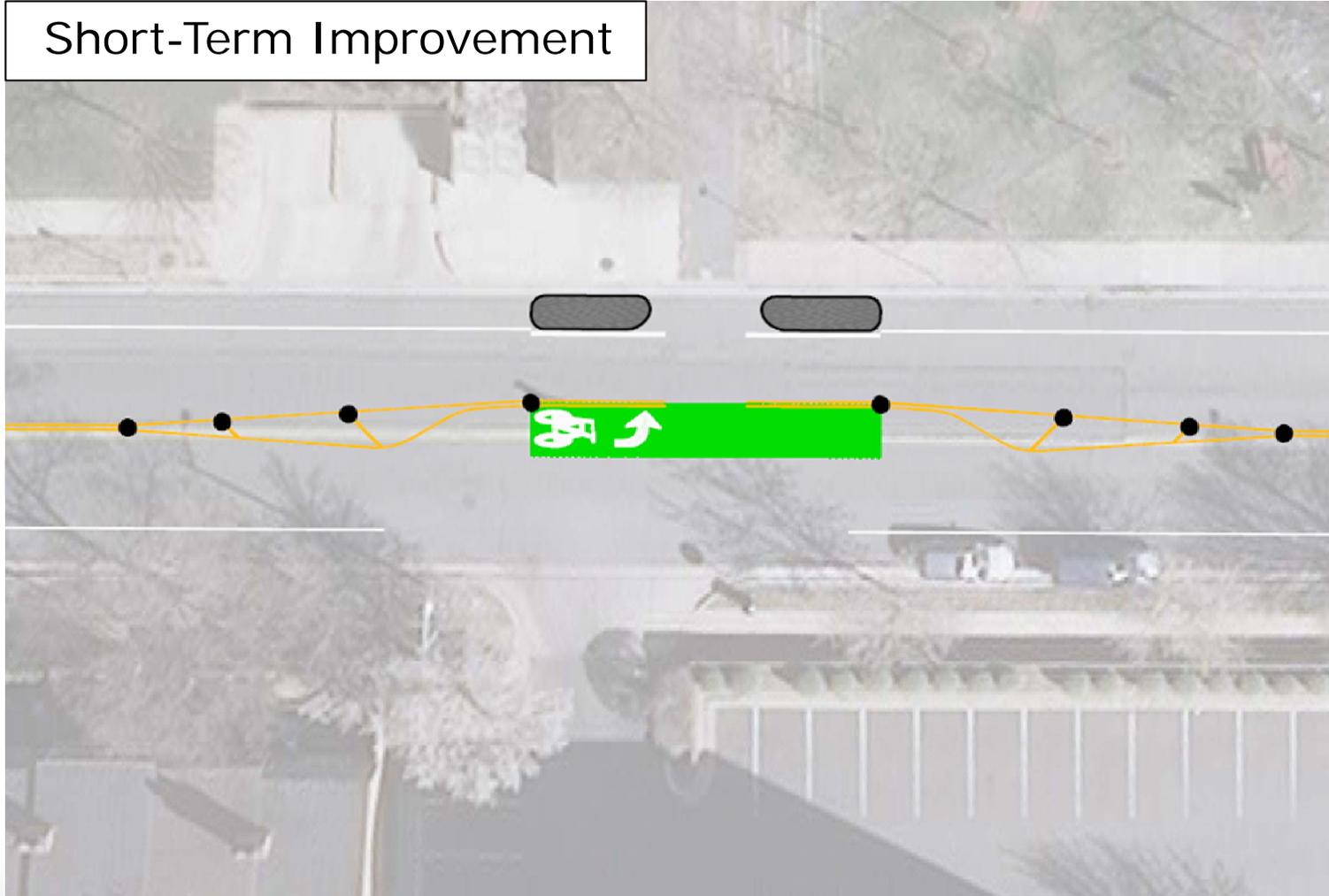
## Mt. Vernon Trail Connection - Issues

- 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

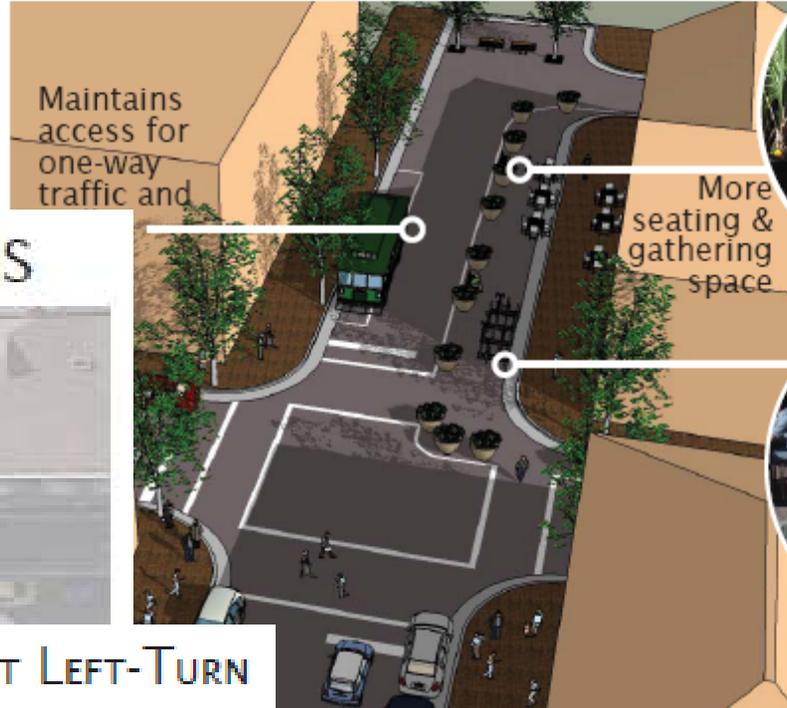


Mid-Term Improvement



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

## PILOT PEDESTRIAN SPACE



## IMPROVED CROSSWALKS



## PILOT LEFT-TURN RESTRICTIONS



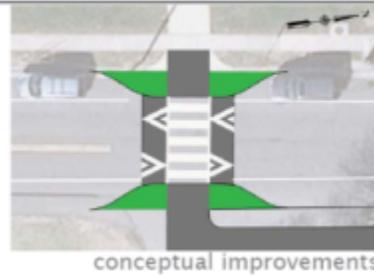
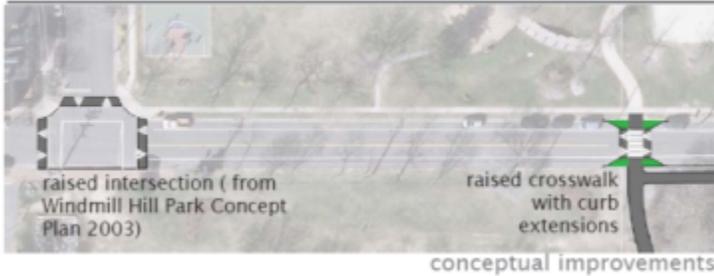
# Site-specific Improvement Windmill Hill Park

- 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)

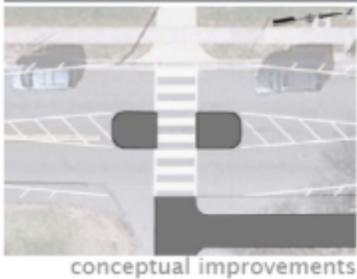


# SITE-SPECIFIC IMPROVEMENTS: WINDMILL HILL PARK

## OPTION 1: RAISED CROSSWALK



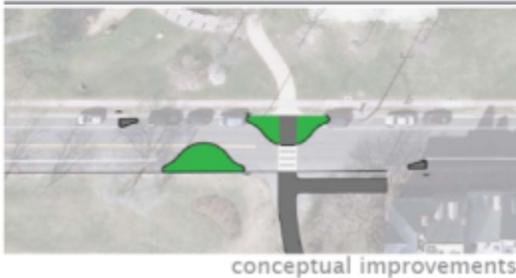
## OPTION 1A: CENTER MEDIAN



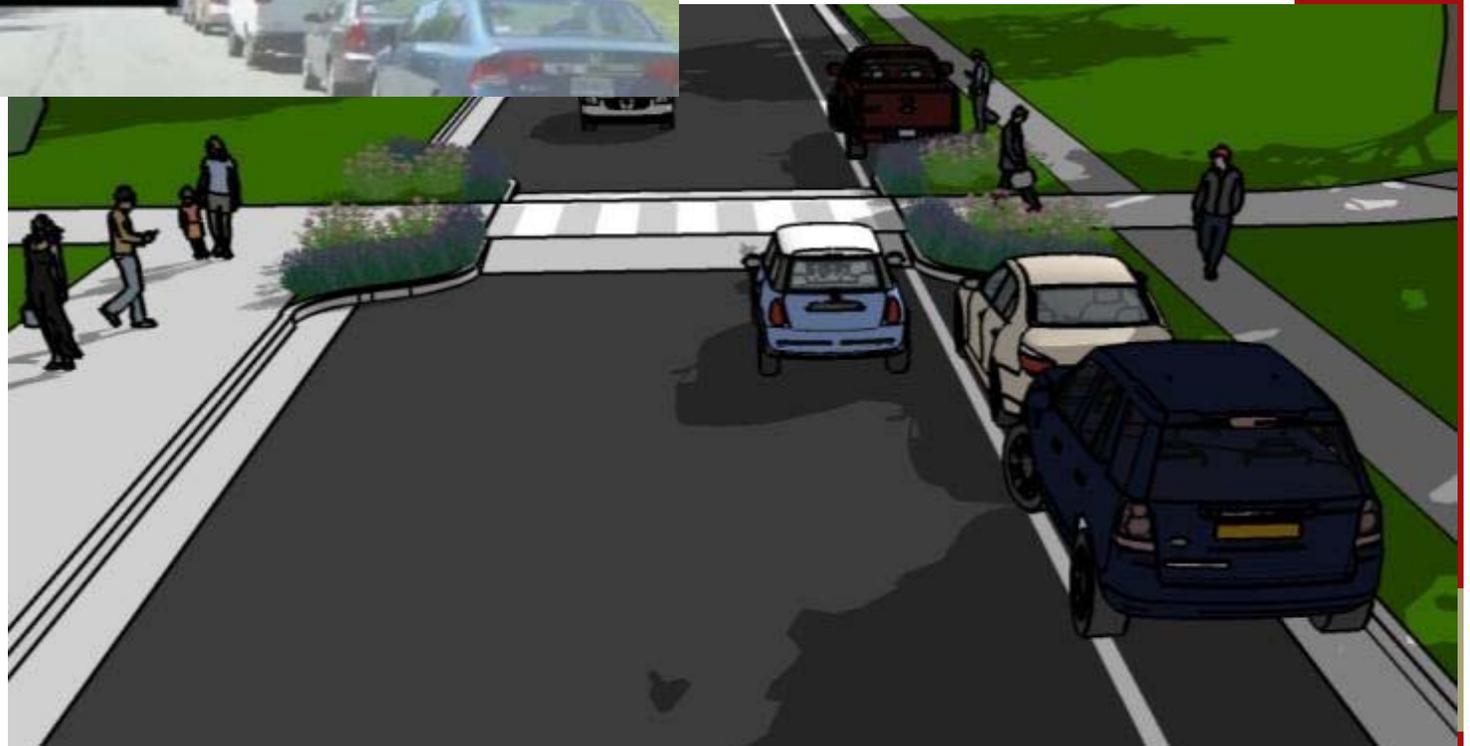
## SITE ISSUES

- 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



# Site-specific Improvement Windmill Hill Park

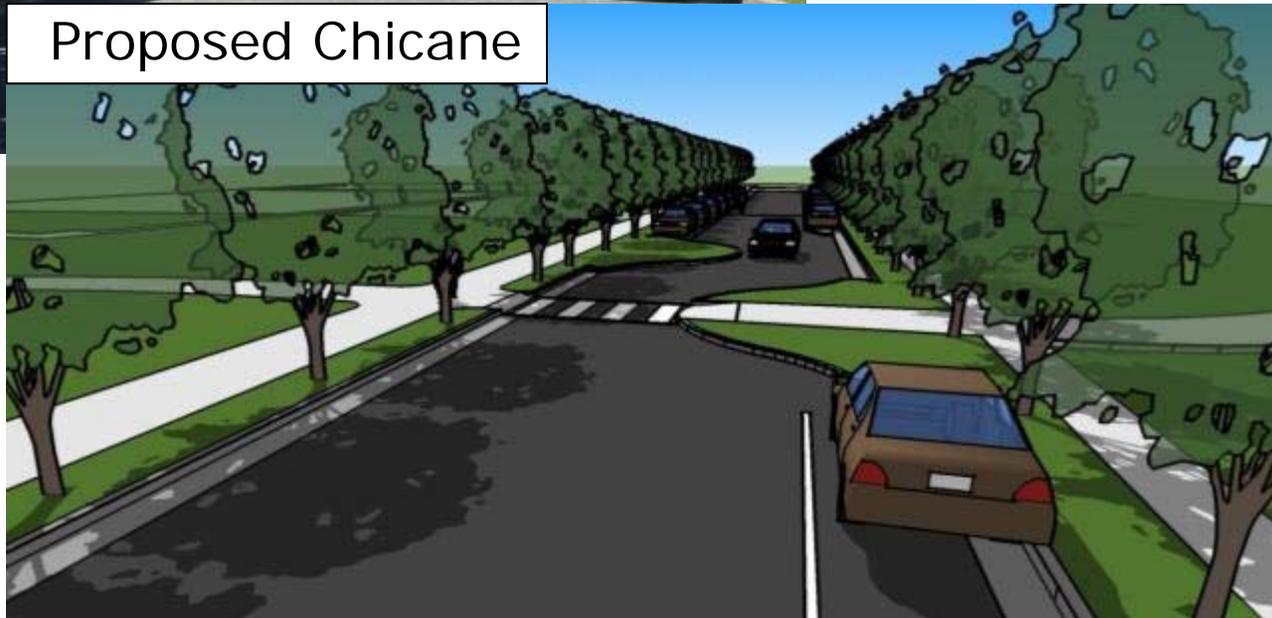


# Site-specific Improvement Windmill Hill Park

Existing

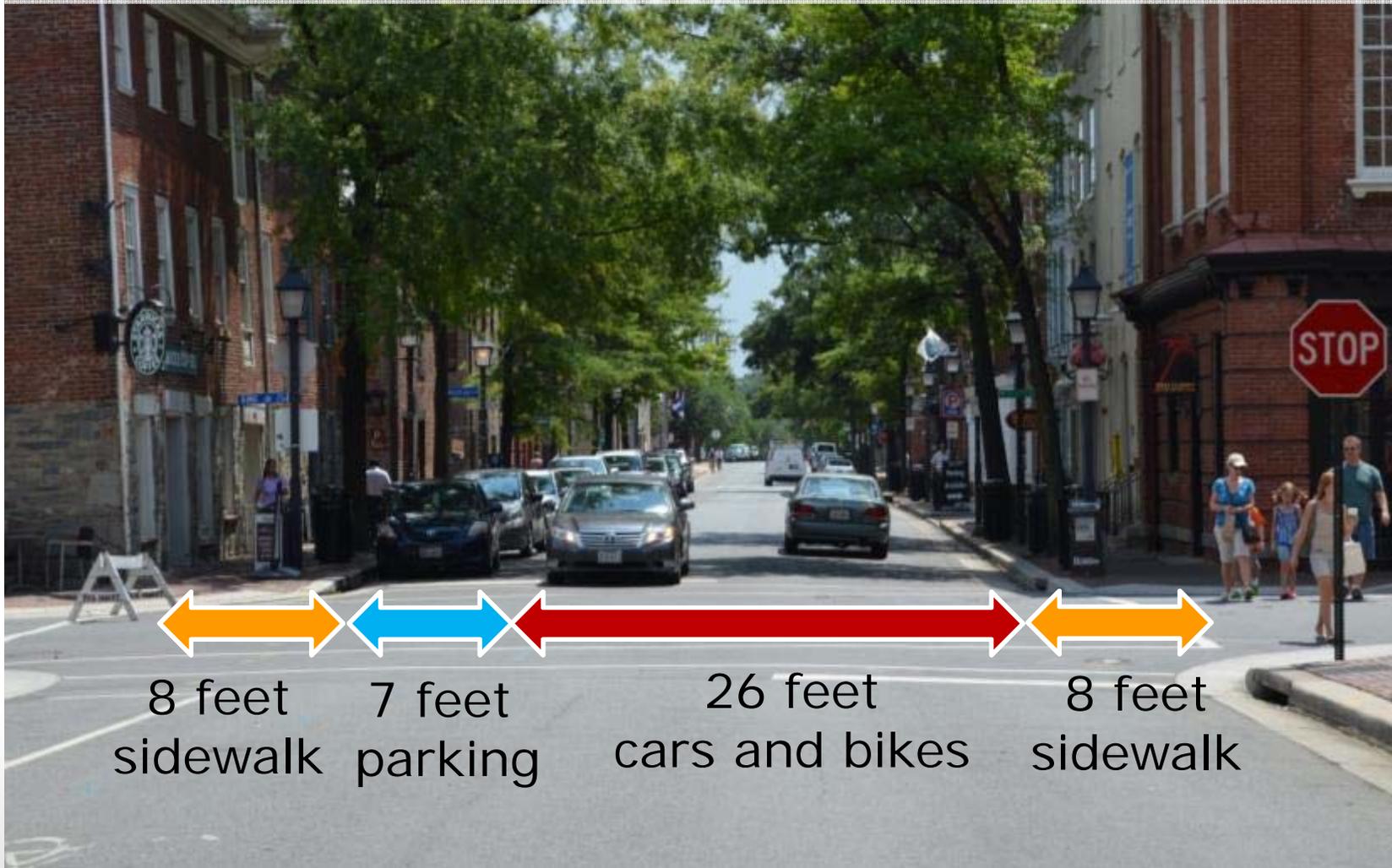


Proposed Chicane



# Union Street Today

From building face to building face....



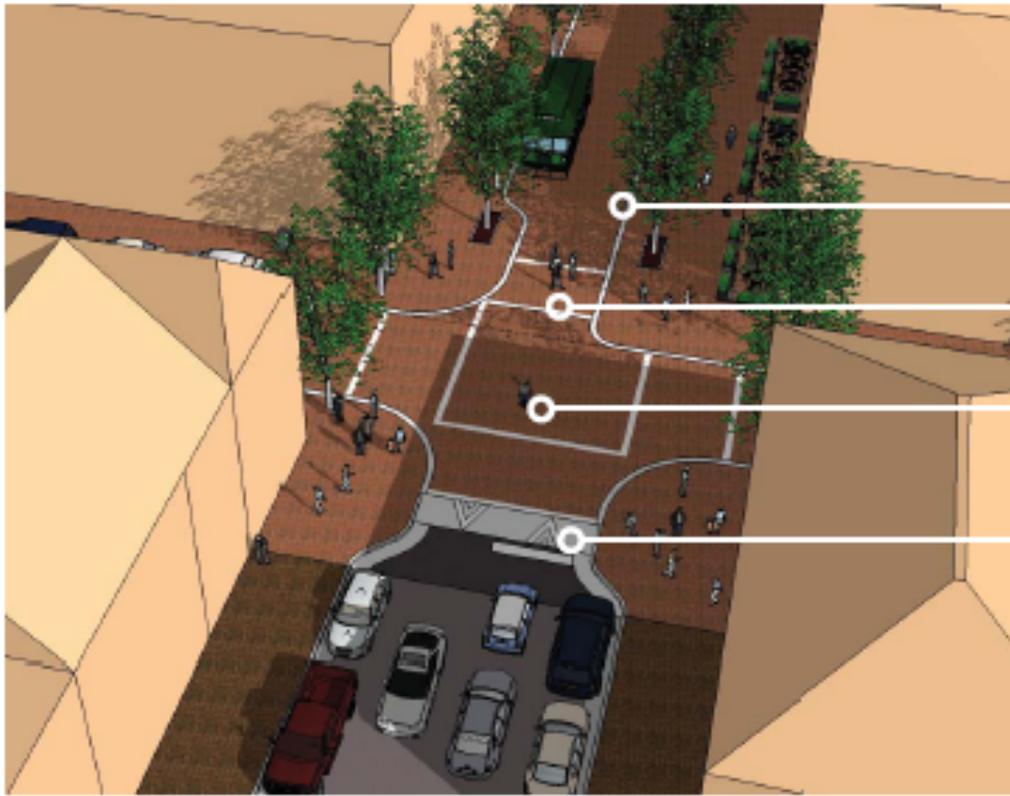
# Corridor Alternative



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