



Union Street Corridor Study

City Council

December 15, 2012

Project Goals and Challenges

- Evaluate existing conditions for all modes.
- Identify specific strategies to ensure that Union Street fosters connections.
- Enhance safety and balance the needs of all modes.

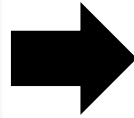


Recommendation Development Process



Data Collection & Analysis

- Multi-modal traffic counts
- Daily traffic counts
- Field observations
- Crash data analysis
- On-street parking
- Motorcoach observations
- Delivery truck observations

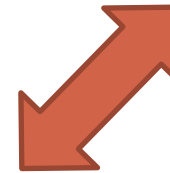


Stakeholder Engagement

- Trail Intercept Surveys
- Stakeholder Interviews
- Waterfront Commission Meetings
- Public Meeting
- City Staff Working Sessions



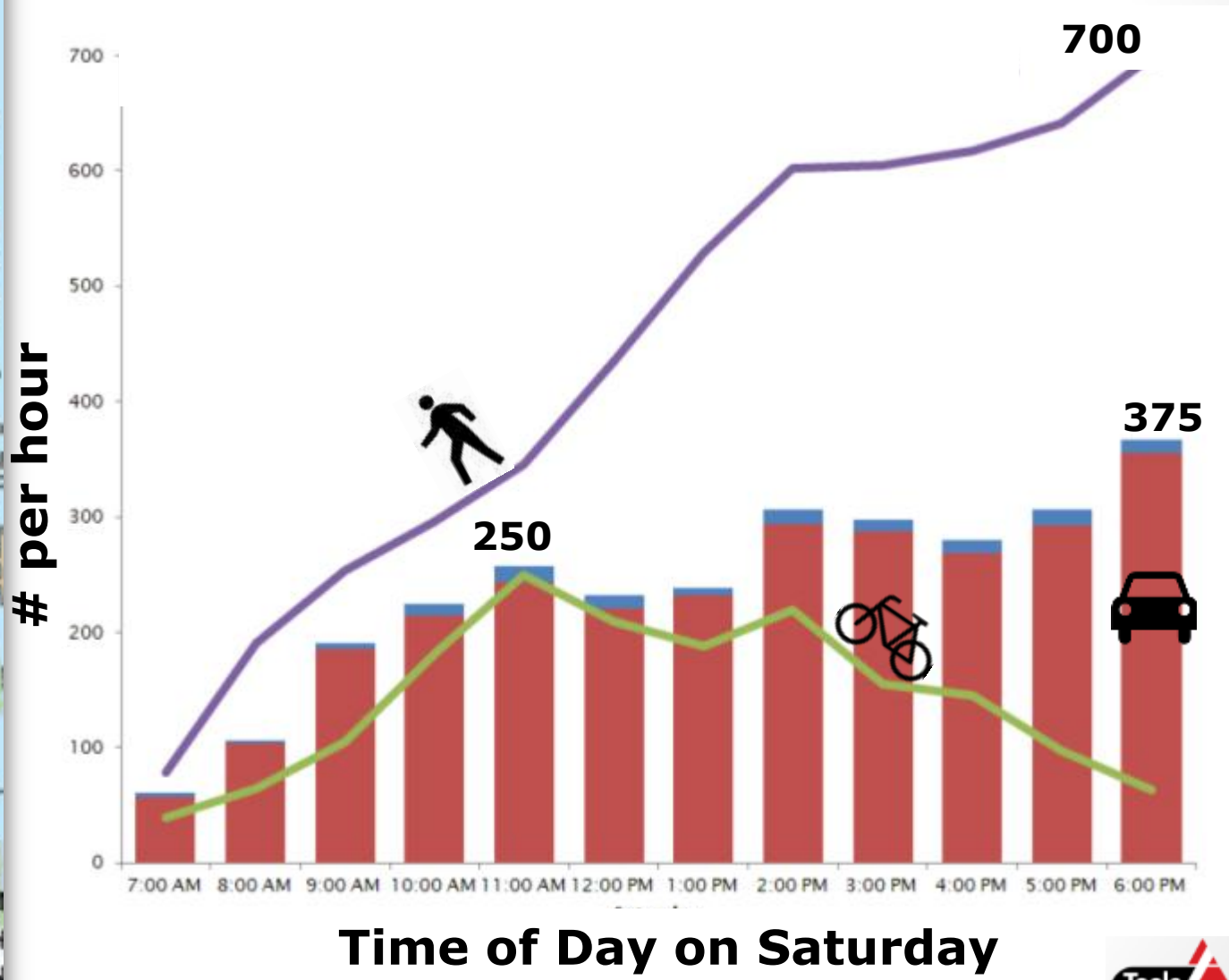
Create & Refine Ideas



Recommendations



Union Street Today Multi-Modal Volumes



Time of Day on Saturday

Short-term Improvements



Mt. Vernon Trail Connection

Transition between Bike Lanes & Shared Lanes

Intersection of King & Union St

Pilot Part-Time Parking

Windmill Hill Park Improvements

Increase Traffic Enforcement

Add Bike Parking



Short-term Improvements



Mt. Vernon Trail Connection

Transition between Bike Lanes & Shared Lanes

Intersection of King & Union St

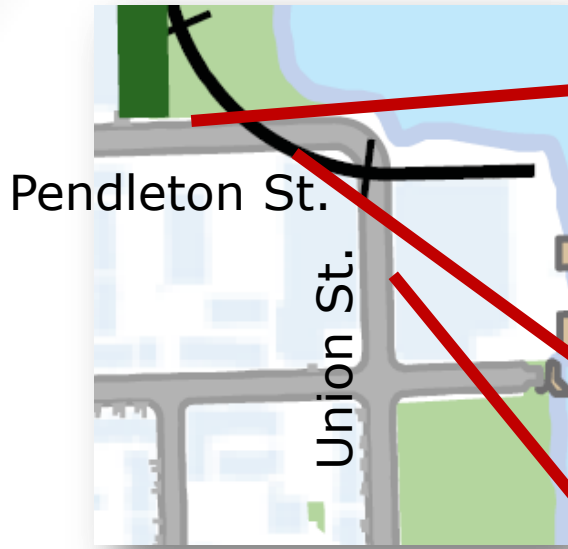
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Mt. Vernon Trail Connection - Issues



Mt. Vernon Trail Connection

Pedestrian space on east side of Union St

Mid-Term
Improvement

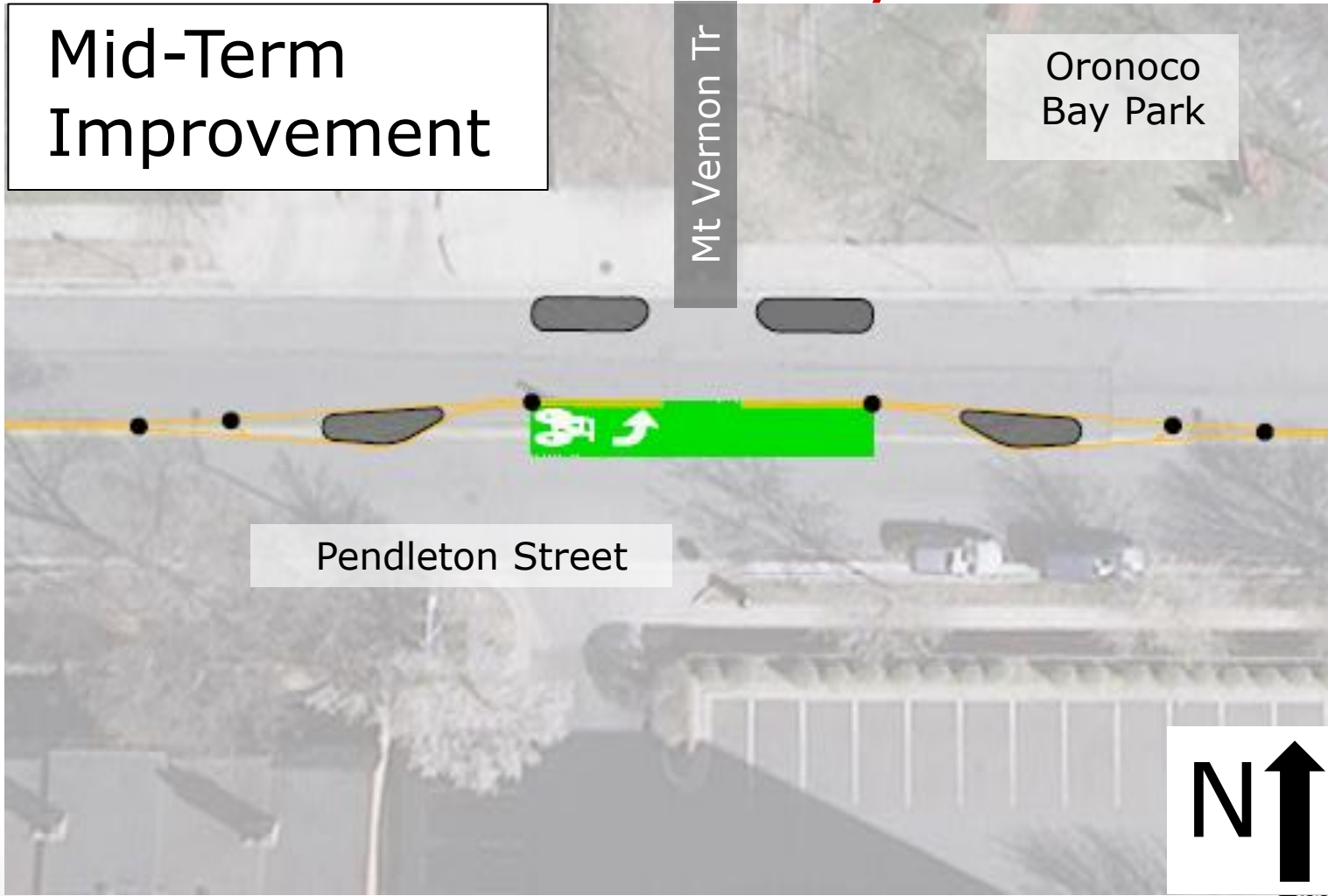


Mt. Vernon Trail Connection Improvement: Eliminate Crosswalk

Eliminate crosswalk



Mt. Vernon Trail Connection Left-turns for Bicyclists



Short-term Improvements



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Transition between Bike Lanes & Shared Lanes



Short-term Improvements



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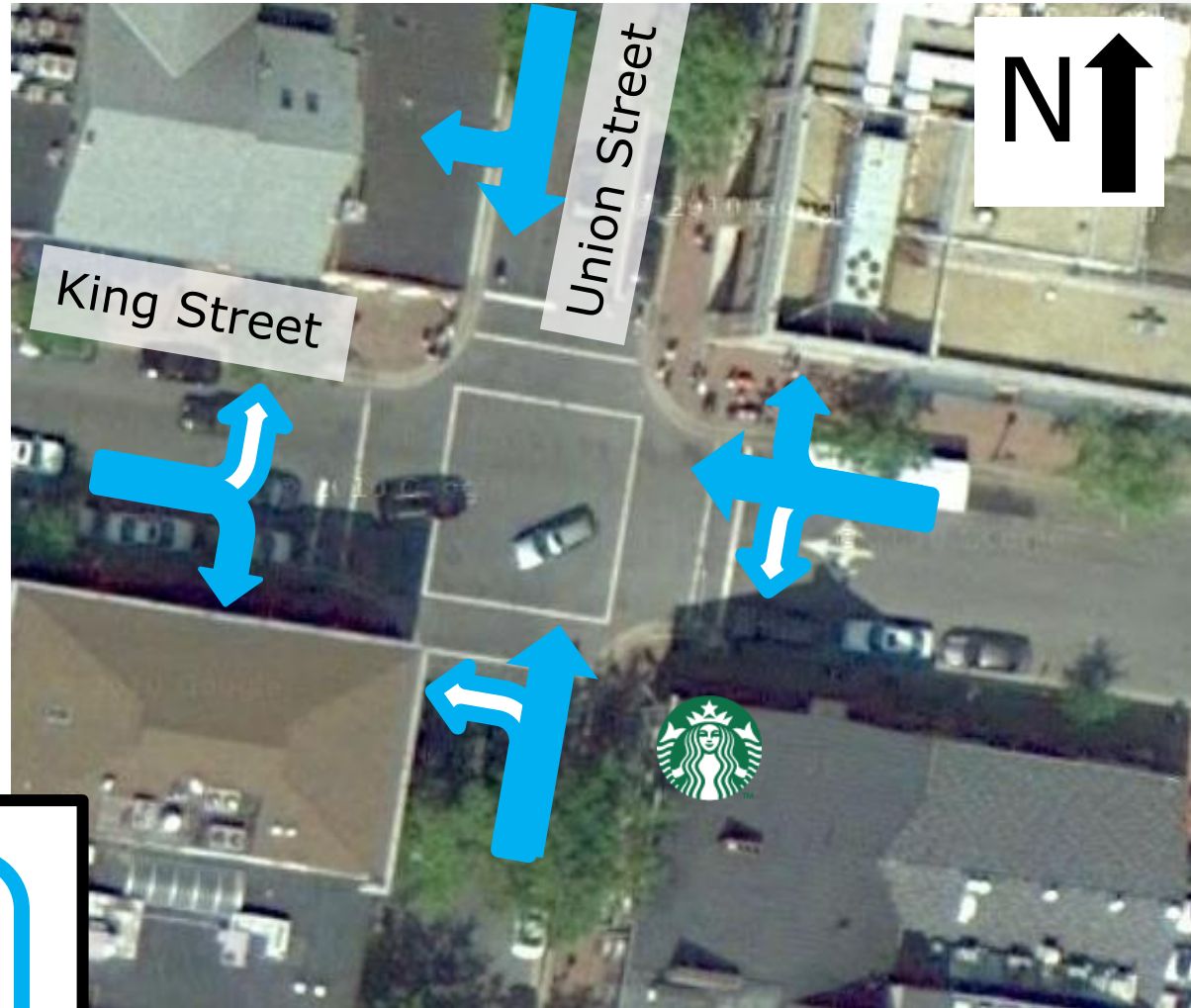
Windmill Hill Park Improvements

Increase Traffic Enforcement

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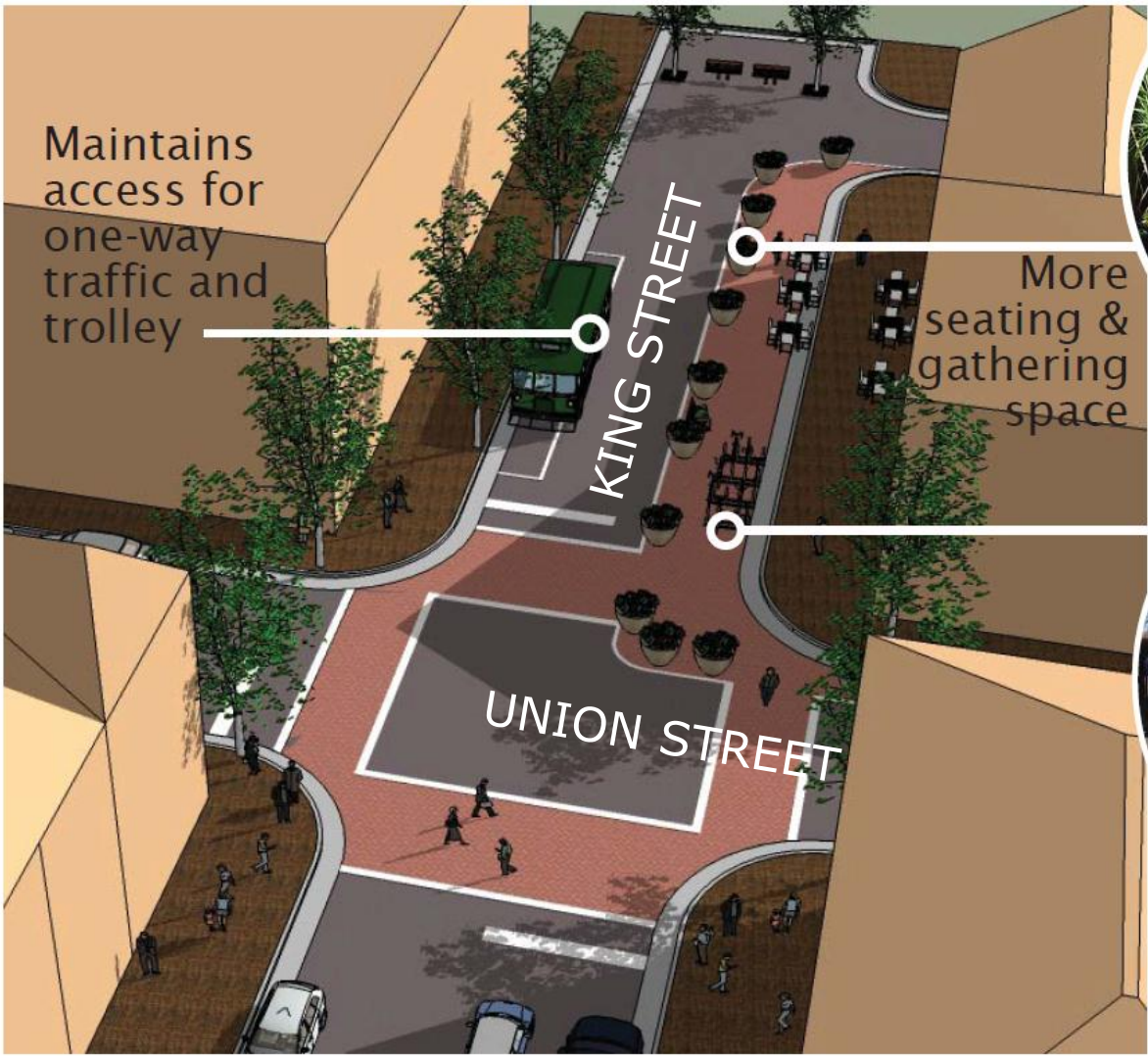
King & Union Street: Short-term

PILOT LEFT-TURN
RESTRICTIONS



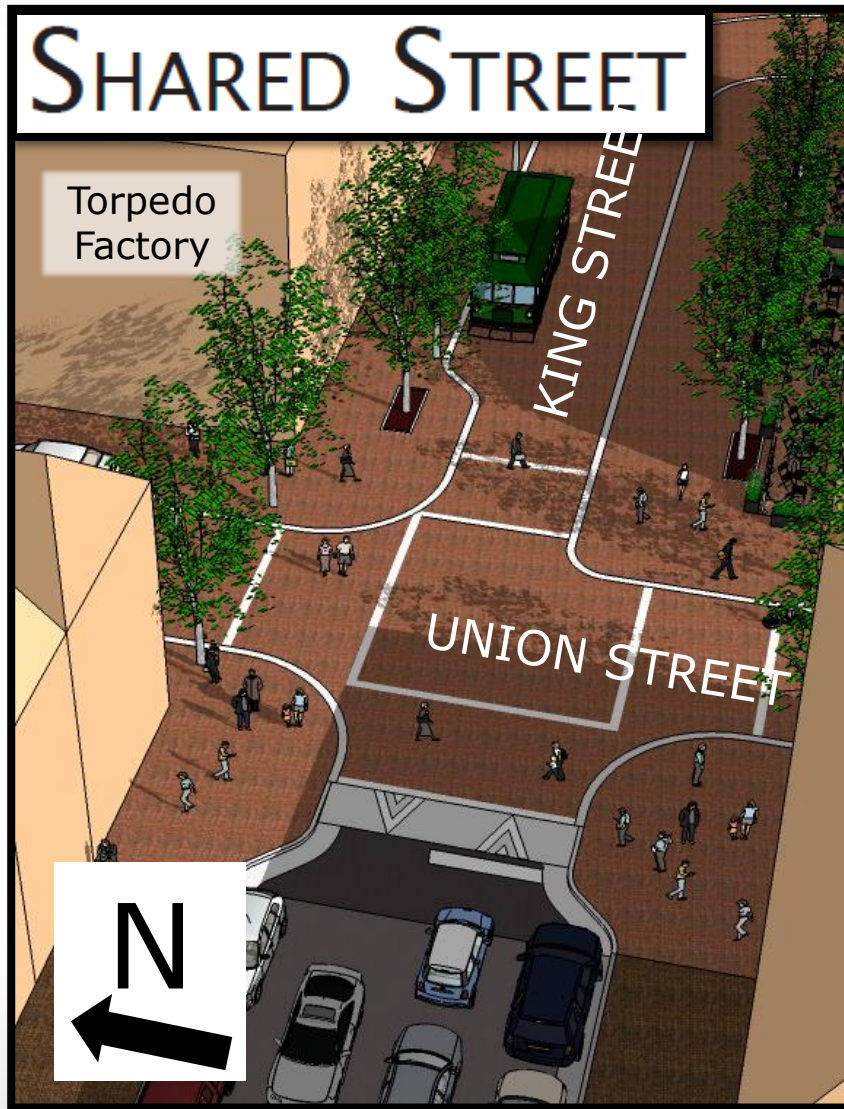
King & Union Street: Short-term

PILOT PEDESTRIAN SPACE



Bike corral for more bike parking

King & Union Street: Long-term



- Limited access on unit block of King Street (transit and emergency vehicles)
- Expanded seating, gathering and circulating space
- Street and sidewalk at the same level (Union Street from Prince to Cameron/Unit Block of King Street)

Short-term Improvements



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Intersection of King & Union St

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Windmill Hill Park Improvements

Increase Traffic Enforcement

Add Bike Parking

Pilot Part-Time Parking



Short-term Improvements



Mt. Vernon Trail Connection

Transition between Bike Lanes & Shared Lanes

Intersection of King & Union St

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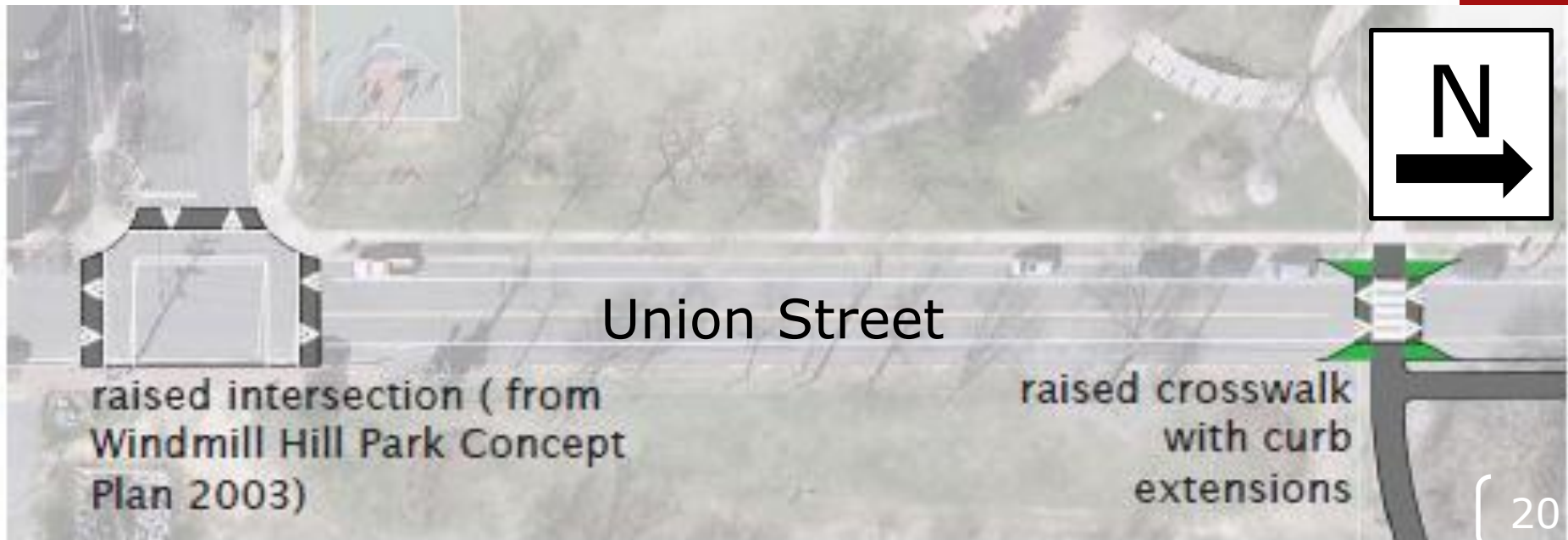
Windmill Hill Park Improvements

Increase Traffic Enforcement

Add Bike Parking

Windmill Hill Park

- Union Street & Gibbon Street – Raised Intersection
- Union Street @ Wilkes Street Tunnel – Raised Crosswalk



Windmill Hill Park

Raised Crosswalk @ Wilkes Street Tunnel Conceptual Improvement



Short-term Improvements



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Intersection of King & Union St

Pilot Part-Time Parking

Windmill Hill Park Improvements

Traffic Management & Enforcement

Add Bike Parking



Long-term Improvements

Concept Development Framework:

- Change is needed
- Pedestrians are the priority
- Unique solutions for different areas
- Continue to serve all users

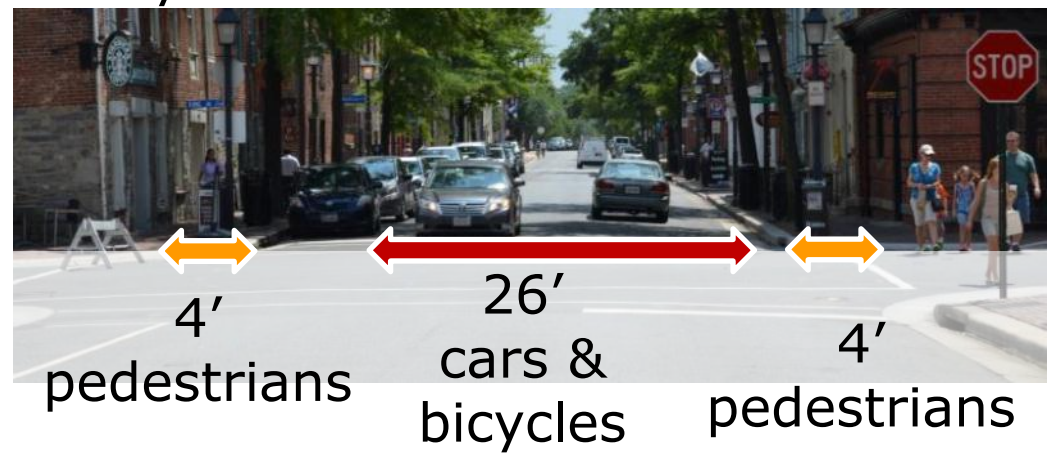


Long-term Improvements

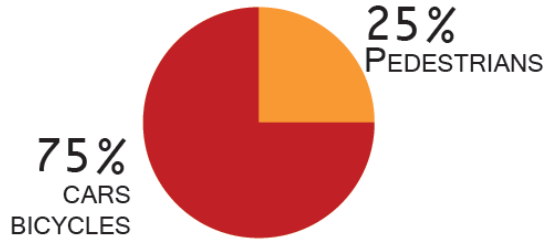
Sidewalk width on Union Street



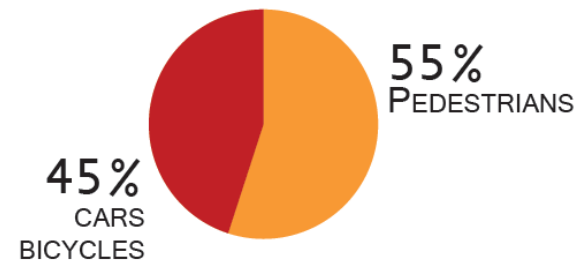
How is Union Street distributed today?



By space...



By volume...



Long-term Improvement Alternatives

Unique Solutions for Different Areas



PENDLETON



CAMERON

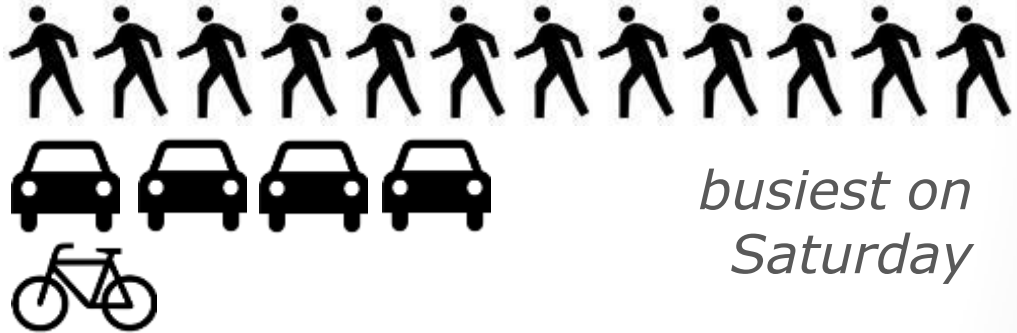


consistent throughout week

CAMERON



DUKE



busiest on Saturday

DUKE



FRANKLIN



consistent throughout week

Long-term Improvement Recommendation



Keep Existing/No Change
Pendleton to Cameron

Shared Street
Cameron to Prince

Keep Existing/No Change
Prince to Jefferson







Questions?