Introductions

Howard Corners Intersection Scoping Study Team:

**Consultant Team:**
- Corey Mack, PE
- Roxanne Meuse, EIT
  - Consultant Project Manager
  - Consultant Planner and Designer

**Public Works Team:**
- Susan Molzon
- Nicole Losch

**Steering Committee:**
- Scott Mapes
  - Resident
- RJ Lalumiere
  - Walk-Bike Council

Ross Gouin
- VTrans Supervisor
Why We’re Here

Burlington was awarded a grant to study the Winooski – Howard – St Paul intersection and evaluate alternative designs that can be implemented to improve safety, meet accessibility standards, and foster an emerging neighborhood.

An Intersection Scoping Study includes:

• Existing Conditions Review
• Local Concerns Meeting (November 11, 2016)
• Alternatives Development and Analysis
• Alternatives Presentation Meeting (June 27, 2016)
• Final Scoping Report
• Scoping Report Presentation (Tonight)

Demonstration: July 26 – July 30, 2017
Local Concerns Meeting – November 12, 2016
What We Learned...

- Crosswalks and distance bikes have to travel too long for green time.
- No pedestrian phase, signals, actuation.
- No crosswalk across S. Winooski Ave.
- No bus shelter or transit amenities.
- Observe red light running.
- Trucks on S. Winooski Ave. (trucks prohibited).
- Underdeveloped pedestrian environment.
- Potvin Park underutilized.
- Bicycle facilities end abruptly.
- 33 crashes in 5 years.
- Signals can be difficult to see.
- Overtaking left turning vehicles on the right.
- Observed speeding.
- Signals can be difficult to see.
What We Learned...

- No bus shelter or transit amenities
- Potvin Park underutilized
- Trucks on S. Winooski Ave. (trucks prohibited)
- Underdeveloped pedestrian environment
- 33 crashes in 5 years
- Crosswalks and distance bikes have to travel too long for green time
- No crosswalk across S. Winooski Ave.
- No pedestrian phase, signals, actuation
- Bicycle facilities end abruptly
- Signals can be difficult to see
- Observed red light running
- Overtaking left turning vehicles on the right
Alternatives

0. No Build

1. Quick Build Project

2. New Signal System – Existing Geometry


4. Dual Roundabout – Realigned Roadway

5. Modern Roundabout
0. No Build
1. Quick Build Project
2. New Signal System, Existing Geometry
3. New Signal System, Realigned Roadway
4. Dual Roundabouts, Realigned Roadway
5. Modern Roundabout
XX. Single Mini-Roundabout
### #1 Public Issue: Pedestrian Crossing of South Winooski Ave

- Crossing length for all modes
- Increased crossing guidance
- Pedestrian crossing of S. Winooski Ave
- Crash rate
- Comfortable transit facilities
- Visibility of traffic signals to motorists
- Vehicle speeds
- Running of red lights
- Wrong way driving on S. Winooski Ave
- Trucks on S. Winooski Ave
- Right turns on red
- Use of Potomac Park
- Public gathering space
- Bicycle infrastructure
- Pedestrian management
- Support relationship between residents and businesses

### Alternative 2 - New Signal System: nearly unanimous

### #2 Public Issue: Supporting Local Businesses
What we learned from Demonstration Project:

1. Increase SB Winooski – St Paul right turn curb radius
2. Increase SB St Paul - Howard right turn curb radius
3. Maintain existing Howard Street width
4. STOP HERE ON RED sign
Recommendation: Quick Build Project – Part 1

Modified from results of Demonstration Project:

1. Incorporating lessons learned from Demonstration Project
2. Continue to monitor and refine design based on operation

Volunteer / DPW Labor: $20,000
Recommendation: Quick Build Project – Part 2

Install concrete features from Quick Build refinements for South Winooski Avenue crosswalk:

1. Extend Potvin Park nose as far as possible
2. Receive walk north of existing driveway
3. Paint crosswalk, extend southbound bike lane, move stop bar

DPW Labor: $25,000
Long Term Recommendation: New Signal System

- Make Quick-Build layout permanent
- New pedestrian signals on all approaches
- Stormwater improvements

$1.0 – 1.5 million
Discussion

Next Steps:

- Endorse a Preferred Alternative
- Plan DPW Resources for Quick Build Parts 1 & 2 (as early as this fall)
- Look for grant funding for new signal system
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