CM Van Bramer request for traffic calming measures and pedestrian safety improvements

**DOT School Safety Project**

- Expected to break ground Spring 2014
- Does not fully address Greenpoint Ave/48th Ave/41st St

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*Project Background*
Existing Conditions

Intersection design fails to connect major pedestrian activity along retail corridor, bus stops, and school.

Long crosswalks

No crosswalks
Three phase signal creates user confusion

Existing Conditions

1. Greenpoint Ave Phase
   32 secs

2. 48th Ave Phase
   24 secs

3. 41st St Phase
   34 secs

Two primary movements are held for 2/3 of each cycle

Key: AM/PM peak hour vehicular volumes, 9/2013
Rapid Response Toolkit

- Pavement markings
- Signal timing changes
- Signage
- Painted and/or textured surfaces
- Flexible delineators
Existing Conditions
Proposed Plan

Refocus intersection around 48th Ave and Greenpoint Ave

- Painted sidewalk extensions
- Reconfigured crosswalks
- Simplified signals
Existing Conditions

Existing pedestrian paths
Proposed Plan

Existing pedestrian paths

Proposed pedestrian paths
Existing Plan

3 crossings with 175 ft of vehicular exposure
Proposed Plan

Re-aligned crosswalks follows pedestrian desire lines and tightens intersection

2 crossings with 110 ft of vehicular exposure
Existing Plan

2 crossings with 76 ft of vehicular exposure
Proposed Plan

Re-aligned crosswalks follows pedestrian desire lines and tightens intersection

1 crossing with 39 ft of vehicular exposure
Proposed Plan

48th Avenue

Greenpoint Avenue

41st St intersection removed from signal

Right turn only at 41st St
Existing Conditions

Three phase signal creates user confusion

Greenpoint Ave Phase 32 secs

48th Ave Phase 24 secs

41st St Phase 34 secs

Two primary movements are held for 2/3 of each cycle

Key: AM/PM peak hour vehicular volumes, 9/2013
Proposed Plan

Greenpoint Ave Phase
54 secs

48th Ave Phase
36 secs

Standard two phase signal allows more time for all movements

Existing Level of Service: D
Proposed Level of Service: B
1. Simplified 2-phase signal plan

2. Remove 41st St intersection from signal; right turn only

3. Reorganize crosswalks around Greenpoint Ave & 48th Ave intersection

4. Install painted sidewalk extensions

5. Install turning movement bans