Project Background

- The Sherman Creek/Inwood Traffic Study, presented on April 5\textsuperscript{th} 2010, developed recommendations for pedestrian safety at 16 critical intersections, including Broadway & Sherman Ave.

- DOT presented Sherman Creek – Inwood Safety Improvements to CB 12 on May 2\textsuperscript{nd} 2011; Broadway & Sherman Ave identified as future Department of Design and Construction (DDC) project.

- No longer planned for capital project; in-house project developed.

- Sherman Ave scheduled for repaving summer 2015.
Crash History

Crash history 2009-2013

Total Injuries

Pedestrian Injuries

Pedestrian Fatalities
Existing Conditions

Wide corridor with excess capacity and long crossings

60’ with 4 moving lanes

Vehicle Volumes at 207th St (Oct 2014)

<table>
<thead>
<tr>
<th></th>
<th>AM</th>
<th>PM</th>
<th>SAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eastbound</td>
<td>335</td>
<td>390</td>
<td>375</td>
</tr>
<tr>
<td>Westbound</td>
<td>210</td>
<td>245</td>
<td>210</td>
</tr>
</tbody>
</table>
Existing Conditions

- Slip lanes allowing high speed turns
- Complicated, wide intersection with long multi-part crossings
- Pedestrian desire line

- Broadway
- Sherman Ave
- Elwood St
Existing Conditions

Conflicting turning movements with confusing signal timing

← Broadway →

← Sherman Ave →

Elwood St
Rapid Response Toolkit

New markings

New concrete
Proposal: Corridor

**EXISTING**
- 20' North Sidewalk
- 20' Combined Travel/Parking Lane
- 10' Travel Lane
- 10' Travel Lane
- 20' Combined Travel/Parking Lane
- 20' South Sidewalk

**PROPOSED**
- 20' North Sidewalk
- 9' Parking Lane
- 5' Travel Lane
- 11' Travel Lane
- 11' Travel Lane
- 5' Parking Lane
- 20' South Sidewalk

10' Painted Median/Left Turn Bay
Proposal: Corridor

- Bike lane
- Left-turn bay
- Painted median
Proposal: Broadway

Close right turn slip lane from Broadway with concrete sidewalk extension

Construct median island with trees

Reverse Ellwood St between Nagle and Sherman Aves
Proposal: Broadway

More direct pedestrian paths
Proposal: Broadway

Rendering looking XX from XX toward XX
Expected benefits include:
1. Increase safety for all users
2. Create shorter, more direct pedestrian crossings
3. Improve streetscape and calm traffic
4. Clarify vehicular movements
5. Provide bicycle facility
Summary

Proposed Actions:
1. At Broadway and Sherman Ave, build concrete sidewalk extension on SE corner
2. Widen existing triangle island on NE corner
3. Install green median island on Sherman Ave at Broadway
4. Reverse Ellwood St between Sherman Ave and Nagle Ave
5. Install flush median with left-turn bays
6. Install bike lanes in both directions
7. Install high visibility crosswalk markings
Thank You