NORTHERN BLVD: 146 ST – 147 ST

School Safety Improvements

Presentation to Community Board 7 | February 11, 2019
Vision Zero Priority

Vision Zero
• Multi-agency effort to reduce traffic fatalities in NYC
• Borough Action Plans released in 2015
• Priority Intersections, Corridors, and Areas identified for each borough

Northern Blvd
• Northern Blvd is a Vision Zero Priority Corridor
• Northern Blvd and 146 St is a Vision Zero Priority Intersection
• Located in a Priority Area
Background

School Safety

- Project area used by students accessing Flushing High School, Junior High School 189 and The Shield Institute

- Safety improvements requested by The Shield Institute, a private school for children and adults with Autism spectrum disorder

- Mixed use commercial and residential area

- Located in the Flushing Senior Pedestrian Focus Area

- Commercial corridor with multiple drive-thrus and parking lots at 146 St and 147 St
Background

Safety Data: Northern Blvd: 146 St – 147 St

- 1 pedestrian fatality and 1 severe pedestrian injury (2012-2016)
- 61% of pedestrian injuries are from left turn crashes

<table>
<thead>
<tr>
<th>Northern Blvd - 146 St to 147 St, QN</th>
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<tbody>
<tr>
<td>Injury Summary, 2012-2016 (5 Years)</td>
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<tr>
<td></td>
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<tr>
<td>Pedestrian</td>
</tr>
<tr>
<td>Total Injuries</td>
</tr>
<tr>
<td>18</td>
</tr>
<tr>
<td>Bicyclist</td>
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<tr>
<td>Motor Vehicle Occupant</td>
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<tr>
<td>Total Injuries</td>
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<tr>
<td>37</td>
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<tr>
<td>Total</td>
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</tbody>
</table>

Fatalities, 01/01/2012-3/5/2018: 1

Source: Fatalities: NYCDOH Injuries: NYCDOH
KSI: Persons killed or severely injured
Existing: Northern Blvd, 146 St – 147 St

Long crossings and wide vehicle turns

Long crossing distances

Wide vehicle turns

Failure to yield to pedestrians

Safe refuges needed

Northern Blvd, facing north at 147 St

Northern Blvd, facing west at 147 St

Northern Blvd, facing south at 146 St

Northern Blvd, facing east at gas station at 147 St
**Existing: Northern Blvd, 146 St – 147 St**

**Long crossings and wide vehicle turns**

- **66% of pedestrian injuries caused by left turning vehicles failing to yield at the east crosswalk**
- **85% of pedestrian injuries were caused by left turning vehicles in the west crosswalk**
- **1 pedestrian injury from driver making left turn from gas station**

**Long crosswalks (70’ wide)**
Proposal: Northern Blvd, 146 St – 147 St

Shorter crossing distances and controlled vehicle turns

Previous proposal included left turn ban from Northern Blvd to 146 St

Install concrete pedestrian islands to shorten crossings and control vehicle turns

Ban left turn at 147 St to reduce pedestrian and vehicle conflicts

Install a hardened centerline to control left turns onto Northern Blvd

Hardened centerline at White Plains Rd and Archer St, Bronx

Pedestrian Island at Northern Blvd and 103 St, Queens
Proposal Detail: Northern Blvd and 147 St

Left turn ban

- Parsons Blvd
- 146 St
- 147 St
- 149 St
- 35 Ave
- Northern Blvd
- 37 Ave
- 38 Ave

Banned Turn
Diversion Route
SUMMARY OF PROPOSALS

Northern Blvd: 146 St – 147 St

1. Northern Blvd and 146 St:
   • Add hardened centerline in flush median in east leg to control vehicle turns

2. Northern Blvd and 147 St:
   • Add concrete pedestrian refuge islands in east and west legs of intersection
   • Left turn ban from eastbound Northern Blvd onto NB 147 St to reduce pedestrian and vehicle conflict
THANK YOU!

Questions?

Contact: NYCDOT Queens Borough Commissioner’s Office – (212) 839-2510

nyc.gov/visionzero
PROPOSED TREATMENT

HARDENED CENTERLINE

Example:
White Plains Rd and Archer St, Bronx
PROPOSED TREATMENT

CONCRETE PEDESTRIAN REFUGE ISLANDS

Example: Coney Island Ave and Ave O, Brooklyn
VEHICLE VOLUMES

Northern Blvd, 146 St – 147 St
Weekday Peak Hours