NORTHERN BLVD: 146 ST – 147 ST

School Safety Improvements

Presentation to CB 7 Transportation Committee | May 31, 2018
PROJECT BACKGROUND
VISION ZERO PRIORITY

Queens Priority Geographies

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

Northern Blvd: 146 St – 147 St

• 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
• Countdown clocks and leading pedestrian intervals installed at 146 St and 147 St crossing Northern Blvd in 2016 and 2017
PROJECT BACKGROUND

Northern Blvd: 146 St – 147 St

- Safety improvements requested by The Shield Institute, a private school for children and adults with Autism spectrum disorder
- Project area used by students accessing Flushing High School, Junior High School 189 and The Shield Institute
- 1 pedestrian fatality and 2 severe injuries (2012-2016)
- 61% of pedestrian injuries 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>Pedestrian</td>
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<tr>
<td>Total Injuries: 18</td>
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<tr>
<td>Severe Injuries: 2</td>
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<tr>
<td>Fatalities: 1</td>
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<tr>
<td>KSI: 3</td>
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<tr>
<td>Bicyclist</td>
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<tr>
<td>Total Injuries: 1</td>
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<tr>
<td>Severe Injuries: 0</td>
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<tr>
<td>Fatalities: 0</td>
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<tr>
<td>KSI: 0</td>
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<tr>
<td>Motor Vehicle Occupant</td>
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<tr>
<td>Total: 37</td>
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<tr>
<td>Severe Injuries: 1</td>
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<td>Fatalities: 1</td>
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<td>KSI: 1</td>
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<tr>
<td>Total: 56</td>
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<tr>
<td>Severe Injuries: 3</td>
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<tr>
<td>Fatalities: 1</td>
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<tr>
<td>KSI: 4</td>
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<tr>
<td>Fatalities, 01/01/2012-3/5/2018: 1</td>
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Source: Fatalities: NYCDOt
KSI: Persons Killed or Severely injured
EXISTING CONDITIONS & PROPOSALS
EXISTING CONDITIONS: NORTHERN BOULEVARD AND 146 ST

- Long crosswalks (70’ wide)
- Left turn lanes
- Bus stop in driveway
- DRIVWAY

N

← 146 ST →

← Northern Blvd →

← 147 ST →

147 ST

146 ST
EXISTING CONDITIONS:
NORTHERN BOULEVARD AND 146 ST

Northern Boulevard and 146 St, facing west

Long crossing distances

Northern Boulevard and 146 St, facing east

Narrow two-way approach
EXISTING CONDITIONS: NORTHERN BOULEVARD AND 147 ST

Northern Boulevard and 147 St, facing west

Wide vehicle turns

Northern Boulevard and 147 St, facing east

Long crossing distances
PROPOSED SAFETY IMPROVEMENTS:
NORTHERN BOULEVARD AT 146 ST AND 147 ST

- Hardened centerline to control left turns onto Northern Blvd
- Ban left turns to reduce pedestrian and vehicle conflicts
- Relocate bus stop out of driveway
- Concrete pedestrian islands to shorten crossings and control vehicle turns

Example of Hardened Centerline
Laconia Ave and 225 St (BX)
PROPOSAL DETAIL: RELOCATE BUS STOP
NORTHERN BOULEVARD AT 146 ST AND 147 ST

- Shift bus stop for Q13 & Q28 from driveway to the sidewalk at 146 St
- Provides safer curbside access
- Removes conflicts with passengers and drivers in parking lot driveway
- Bus stop replaces four parking spaces
PROPOSED CONCRETE PEDESTRIAN REFUGE ISLANDS:
NORTHERN BOULEVARD AND 147 ST

Example:
Northern Blvd and 103 St. (QN)
PROPOSED LEFT TURN BANS FOR ALL VEHICLES: NORTHERN BOULEVARD AT 146 ST AND 147 ST

- **Banned turn**
- **Diversion route**
EXISTING CONDITIONS: 147 ST AND 37 AVE

No marked crossing for pedestrians
PROPOSED HIGH VISIBILITY CROSSWALK:
147 ST AND 37 AVE
SUMMARY OF PROPOSALS

Northern Blvd: 146 St – 147 St

1. Northern Blvd and 146 St:
   - Left turn ban from eastbound Northern Blvd onto northbound 146 St to reduce pedestrian and vehicle conflict
   - Add hardened centerline in flush median in east leg to control vehicle turns

2. Northern Blvd and 147 St:
   - Add concrete pedestrian refuge island in east and west legs of intersection
   - Left turn ban from eastbound Northern Blvd onto NB 147 St to reduce pedestrian and vehicle conflict
   - Relocate Q13/Q28 bus stop out of driveway to sidewalk at 146 St

3. 147 St and 37 Ave:
   - Mark high visibility crosswalk
THANK YOU!

Questions?

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