Rockaway Parkway
Corridor Safety Improvements

New York City Department of Transportation
Office of Research, Implementation and Safety
Presented to Brooklyn Community Board 18 on Wednesday, April 20th, 2016
Project Location

Canarsie-Rockaway Pkwy Subway Station

0.9 mile corridor between Flatlands Ave and Seaview Ave

Canarsie High School on Rockaway Pkwy and other schools nearby

Flatlands Ave

Ave J

Ave K

Ave L

Ave M

Ave N

Remsen Ave

Seaview Ave

Belt Pkwy
Vision Zero Priority

• Multi-agency effort to reduce traffic fatalities in NYC

• Borough Pedestrian Safety Action Plans released in 2015

• Priority Intersections, Corridors, and Areas identified for each borough:
  - Rockaway Pkwy is a Priority Corridor
  - Rockaway Pkwy & Flatlands Ave is a Priority Intersection
Safety Data: Project Need

- 409 total injuries
- 23 KSI (persons killed or severely injured)

Rockaway Pkwy - Flatlands Ave to Seaview Ave, BK
Injury Summary, 2010-2014 (5 Years)

<table>
<thead>
<tr>
<th></th>
<th>Total Injuries</th>
<th>Severe Injuries</th>
<th>Fatalities</th>
<th>KSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pedestrian</td>
<td>63</td>
<td>8</td>
<td>2</td>
<td>10</td>
</tr>
<tr>
<td>Bicyclist</td>
<td>6</td>
<td>2</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Motor Vehicle Occupant</td>
<td>340</td>
<td>10</td>
<td>1</td>
<td>11</td>
</tr>
<tr>
<td>Total</td>
<td>409</td>
<td>20</td>
<td>3</td>
<td>23</td>
</tr>
</tbody>
</table>

Source: Fatalities: NYCDOT Injuries: NYCDOT
KSI: Persons Killed or Severely Injured

- One of the 10 worst corridors for pedestrian KSI in Brooklyn
- Left turn crashes are the most common motor vehicle crash type
- Most pedestrians are hit crossing with the walk signal
Safety Data: Project Need

All intersections have a high number of injuries

Total Injuries 2010-2014

Severe Injuries 2010-2014

3 fatalities at Ave J 2010-present

1 fatality at Ave M 2010-present

All intersections have a high number of injuries.

Total Injuries 2010-2014:
- Flatlands Ave: 84
- Rockaway Pkwy: 52
- Ave J: 6
- Ave L: 67
- Ave M: 41
- Ave N: 33
- Ave K: 3
- Ave J: 3

Severe Injuries 2010-2014:
- Flatlands Ave: 1
- Rockaway Pkwy: 3
- Ave J: 6
- Ave L: 2
- Ave M: 3
- Ave N: 3
- Ave K: 3
Rockaway Pkwy widens from 2 lanes to 4 lanes with parking at Flatlands Ave

Existing Conditions: Street Width

Long crossing distance for pedestrians
Existing Conditions: Speeding

Speed data:
(collected between Ave J and Ave K)
Northbound: 92% speeding
Southbound: 85% speeding

Long blocks and wide roadway contribute to speeding
Existing Conditions: Left Turns

- Many left turns off of Rockaway Pkwy to access schools, businesses, residences
- Over 165 left turns in peak hour northbound onto Ave J
- No designated lane for left turns blocks through traffic and creates back pressure
Proposed Safety Improvements: Islands

Proposed Configuration at Rockaway Pkwy & Flatlands Ave

Install pedestrian safety island next to existing left turn lane

Upgrade all crosswalks to high-visibility markings

Vision Zero Priority Intersection
Proposed Safety Improvements: Islands

Install 1 pedestrian safety island and left turn lane at each intersection.

Example proposed configuration at Ave K:
- Install left turn lane
- Install pedestrian safety island

Install left turn lanes based on turning volumes at Aves J, K, L, M, and N.
Proposed Safety Improvements: LPI

Install Leading Pedestrian Interval (LPI) at Avenue J

LPIs give pedestrians a head start crossing the street
Proposed Safety Improvements: Markings

- Upgrade all crosswalks to high-visibility markings
- Install parking lane stripe from Flatlands Ave to Seaview Ave to create standard width travel lanes

Example markings
Project Benefits

Create safer intersections

**Pedestrian safety islands:**
- Shorten crossing distance
- Provide refuge in crosswalk

**Left turn lanes:**
- Organize traffic
- Reduce conflict
- Create simpler, safer vehicle turns

**Leading Pedestrian Interval at Ave J:**
- Gives pedestrians a head start before vehicles get the green light

**Parking lane stripe:**
- Creates standard width moving lanes
- Discourages speeding
Questions?

Contact: DOT Brooklyn Borough Commissioner’s Office at (646) 892-1350