Grand Avenue, Borden Ave to 74th St
Traffic Calming with Bicycle Lanes

New York City Department of Transportation, Pedestrian Projects Group
Presented to the Queens Community Board 5 Transportation Committee on February 23, 2016
Project Area

- P.S. 58
- I.S. 73
- 54th Ave
- 71st St
- 69th Ln
- 69th Pl
- Grand Ave
- Mazeau St
- Borden Ave
- 57th Ave
- 74th St

Elmhurst Park

Map showing the location of P.S. 58 and I.S. 73 in relation to streets and avenues.
• Council Member Crowley request for safety improvements along corridor

• Community requests for pedestrian safety enhancements near PS 58

• Crash in 2013 at 69th Place resulted in DOT installing delineators and left turn ban

• Grand Avenue is a Vision Zero Priority Corridor

• 71st St and Grand Avenue is a Vision Zero Priority Intersection

### Background

<table>
<thead>
<tr>
<th>Grand Ave - Borden Ave to 74th St, QN</th>
<th>54th Ave At 69th Pl and 69th Ln, QN</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Injury Summary, 2010-2014 (5 Years)</strong></td>
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<td><strong>Pedestrian</strong></td>
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<tr>
<td>Total Injuries</td>
<td>51</td>
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<tr>
<td>Severe Injuries</td>
<td>8</td>
</tr>
<tr>
<td>Fatalities</td>
<td>1</td>
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<tr>
<td>KSI</td>
<td>9</td>
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</tbody>
</table>

| **Bicyclist** | **Bicyclist** |
| Total | 5 | 0 |
| Severe Injuries | 1 | 0 |
| Fatalities | 0 | 0 |
| KSI | 1 | 0 |

| **Motor Vehicle Occupant** | **Motor Vehicle Occupant** |
| Total | 63 | 2 |
| Severe Injuries | 3 | 0 |
| Fatalities | 0 | 0 |
| KSI | 3 | 0 |

| **Total** | **Total** |
| Total Injuries | 119 | 2 |
| Severe Injuries | 12 | 0 |
| Fatalities | 1 | 0 |
| KSI | 13 | 0 |

**Fatalities, 01/01/2010-2/15/2016 : 1**

**Fatalities, 01/01/2010-2/15/2016 : None**

Source: Fatalities; NYC DOT
Injuries: NYS DOT
KSI: Persons Killed or Severely Injured
Mazeau St / 57th Ave

Extended concrete sidewalk space

One-way conversion

Existing

Proposed

45 ft

24 ft
Mazeau St Network - Proposed

Existing

Proposed

Purple – existing configuration maintained

Green – new configuration
69th Place / 69th Lane

Existing

- No direct crosswalk
- Indirect long crossing
- 40 ft
- 37 ft

Proposed

- New concrete extension
- 24 ft
- 22 ft
- Reconfigured crosswalks
- Banned U-Turn
Existing Conditions – Grand Ave

- Wide travel lanes
- Lack of markings

Existing

West Sidewalk

25’ Travel Lane + Parking Lane

50’

25’ Travel Lane + Parking Lane

East Sidewalk

Existing
Proposed Plan - Profile

- **Standard Width Travel Lanes**
  - 9’ Parking Lane
  - 5’ Bike Lane
  - 11’ Travel Lane
  - 11’ Travel Lane
  - 5’ Bike Lane
  - 9’ Parking Lane

- **Dedicated Bike Lane**

**Location:** East New York Ave, Brooklyn
1. Improves connectivity and safety for pedestrians and bicycles
2. Better organizes traffic
3. Provides traffic calming
Summary

1. **Corridor:** Remark street, adding 4’ flush painted median and 5’ bicycle lanes.

2. **Mazeau St and 57th Ave:** build concrete curb extension and designate Mazeau St one-way southbound with associated network changes on 71st St, 57th Rd, and 70th St.

3. **69th Pl and 69th Ln:** build concrete curb extension and ban U-Turn movement from 69th Lane to 69th Place.