Broadway
Park Ave and Gates Ave
Brooklyn Community Board 4
May 22, 2023
Previous Work on Broadway

NYC DOT has installed numerous safety improvements along Broadway in recent years:

- 2020 – Painted pedestrian space, turn bans, and roadway organization installed at Myrtle Ave
- 2020 – Leading Pedestrian Intervals added to all crossings of Broadway
- 2021 – Concrete pedestrian space, slip lane closure, and street conversion at Lafayette Ave/Patchen Ave
- 2022 – Concrete sidewalk extension, slip lane closure, and bus stop relocation at Flushing Ave

Recently improved pedestrian spaces at Broadway and Patchen Ave and at Broadway and Flushing Ave
Corridor Background

- Busy commercial corridor between Bushwick and Bedford Stuyvesant
  - Project area focuses on two high crash intersections at Park Ave and at Gates Ave
- Broadway is a local truck route
- Multiple bus lines and the J/Z train run on Broadway within the project area
- Community Boards 3, 4 & 16 have all reached out to DOT in the past requesting safety improvements on the corridor
- Broadway and Gates Ave are both Vision Zero Priority Corridors and both intersections are within a Vision Zero Priority Area
Corridor Safety Data

- Broadway is a Vision Zero Priority Corridor with 5.2 pedestrian KSI per mile
- Two fatalities within corridor limits
- Most common causes of pedestrian injuries are drivers failing to yield when making a left turn and crashes that occur when pedestrians cross midblock/between crosswalks
- High rates of vehicle rear end, left turn, and sideswipe injuries indicate disorganization and unpredictability in roadway

**Injury Summary, 2016-2020 (5 Years)**

<table>
<thead>
<tr>
<th>Mode</th>
<th>Total Injuries</th>
<th>Severe Injuries</th>
<th>Fatalities</th>
<th>KSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pedestrian</td>
<td>165</td>
<td>20</td>
<td>0</td>
<td>20</td>
</tr>
<tr>
<td>Bicyclist</td>
<td>108</td>
<td>7</td>
<td>0</td>
<td>7</td>
</tr>
<tr>
<td>Motor Vehicle Occupant</td>
<td>456</td>
<td>17</td>
<td>1</td>
<td>18</td>
</tr>
<tr>
<td>Other Motorized</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>729</strong></td>
<td><strong>44</strong></td>
<td><strong>1</strong></td>
<td><strong>45</strong></td>
</tr>
</tbody>
</table>

**Note:** Map may not include total or severe injuries that occurred at midblock locations. Map only shows intersections with 15 or more injuries. Data is based off of NYSDOT/NYSDMV crash and injury data available as of April 2023.
Safety Data – Park Ave and Gates Ave

- Most vehicle crashes at Park Ave and Gates Ave were either rear end or sideswipe crashes indicating disorganization and unpredictability in the roadway
- 6 out of 7 pedestrian injuries involved a pedestrian crossing at a location without a crosswalk, two resulted in severe injuries
- 33% of all injuries at the two intersections involved a senior (65+)

<table>
<thead>
<tr>
<th>Injuries Summary, 2016-2020 (5 Years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mode</td>
</tr>
<tr>
<td>Pedestrian</td>
</tr>
<tr>
<td>Bicyclist</td>
</tr>
<tr>
<td>Motor Vehicle Occupant</td>
</tr>
<tr>
<td>Other Motorized</td>
</tr>
<tr>
<td>Total</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Injuries Summary, 2016-2020 (5 Years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mode</td>
</tr>
<tr>
<td>Pedestrian</td>
</tr>
<tr>
<td>Bicyclist</td>
</tr>
<tr>
<td>Motor Vehicle Occupant</td>
</tr>
<tr>
<td>Other Motorized</td>
</tr>
<tr>
<td>Total</td>
</tr>
</tbody>
</table>
Existing Conditions/Issues

Disorganized and unpredictable vehicular movements

Broadway at Gates Ave, looking west
Existing Conditions/Issues

Long crossings with inadequate pedestrian refuge space and poor pedestrian visibility

Broadway at Gates Ave, looking west
Existing Conditions/Issues

Long crossings with inadequate pedestrian refuge space

Excess and under utilized road space enables unpredictable turns and movements from drivers

Broadway at Park Ave, looking west
Existing Conditions/Issues

Lack of crosswalks across Broadway where pedestrians want to cross leads to conflicts between vehicles and pedestrians

Broadway at Quincy Ave, looking west
Proposal – Gates Ave

- Construct new concrete pedestrian island to create safer, shorter crossings
- Organize the roadway to make driver movements more predictable
- Re-install faded crosswalks and stop bars
- Ban low-volume left turn from eastbound Gates Ave to northwest-bound Broadway
Proposal – Park Ave

- Construct new concrete pedestrian island to create safer, shorter crossings and clarify vehicle movements.
- Re-install faded crosswalks and stop bars.
- Adjust existing stop bar and signal display to clarify intersection operation.
Summary of Proposal

- New islands repurpose excess roadway space in order to organize the roadway and create safer, more predictable movements for all roadway users
- New markings and design will improve visibility and clarity of roadway movements
- The project will help shorten crossing distances and expand pedestrian space at two busy intersections
- New pedestrian islands will encourage vehicles to travel through the intersection at safer speeds
Future Work

• DOT investigating additional traffic signals and crosswalks that can be added to the corridor, focused on high crash locations, to improve pedestrian connectivity and safety
• DOT to continue to investigate high-crash intersections for feasible safety improvements
• Longer term, DOT coordinating with city agencies and elected officials to investigate a new capital project that would enable resurfacing of the concrete roadway as well as additional safety improvements not feasible with in-house crews
Thank You!

VISION ZERO
Building a Safer City

NYCDOT
nyc_dot
nyc_dot
NYCDOT

nyc.gov/visionzero