BRONXDALE AVE
SAFETY IMPROVEMENTS

Bronx Community Board 11

June 4th, 2018
Existing Conditions
(1) Existing Conditions

Safety

- 167 injuries on Bronxdale Ave between 2012 and 2016
- Excess roadway width and complicated intersections create long, challenging pedestrian crossings

Bronxdale Ave (E Tremont Ave to Bronx Park E, BX)
Injury Summary, 2012-2016 (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>28</td>
<td>2</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Bicyclists</td>
<td>12</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Motor Vehicle Occupant</td>
<td>127</td>
<td>7</td>
<td>0</td>
<td>7</td>
</tr>
<tr>
<td>Total</td>
<td>167</td>
<td>9</td>
<td>1</td>
<td>10</td>
</tr>
</tbody>
</table>

Fatalities, 01/01/2012 – 05/21/2018: 1

Source: Fatalities: NYCDOT, Injuries: NYSDOT. KSI: Persons Killed or Severely Injured
(1) Existing Conditions: Typical Corridor Lane Alignment

Bronxdale Ave at Antin Pl

Bronxdale Avenue Safety Improvements
Existing Issues

1. Low vehicle volumes and resulting speeding

2. Pedestrian access issues
(1) Existing Conditions: Peak Hourly Vehicle Volumes

Relatively Low Vehicle Volumes

- Wide street combined with low vehicle volumes encourages speeding
- 84% of vehicles observed were traveling over the speed limit
- 46% observed traveling 5mph+ over the speed limit
(1) Existing Conditions: Pedestrian Access Issues

- Bronxdale Ave is a diagonal street
- Several complex intersections feature challenging pedestrian crossings
Preliminary Proposal and Request for Feedback
(2) Preliminary Proposal and Request For Feedback

Bronxdale Avenue Safety Improvements

• **Where traffic volumes allow** install one travel lane per direction plus left turn bays and bicycle lanes
• Organize roadway
• Reduce speeding
Safety Results from Similar Treatments

<table>
<thead>
<tr>
<th>Project</th>
<th>Change in Crashes With Injuries</th>
</tr>
</thead>
<tbody>
<tr>
<td>West 6th Street, BK</td>
<td>-24%</td>
</tr>
<tr>
<td>Empire Boulevard, BK</td>
<td>-15%</td>
</tr>
<tr>
<td>Allerton Avenue, BX</td>
<td>-28%</td>
</tr>
<tr>
<td>Gerritsen Avenue, BK</td>
<td>-40%</td>
</tr>
<tr>
<td>Southern Boulevard, BK</td>
<td>-20%</td>
</tr>
<tr>
<td>Randall Avenue, BX</td>
<td>-22%</td>
</tr>
<tr>
<td>Macombs Road, BX</td>
<td>-44%</td>
</tr>
<tr>
<td>White Plains Rd, BX</td>
<td>-27%</td>
</tr>
</tbody>
</table>

Reducing the number of travel lanes and installing bike lanes improves safety for all street users.
(2) Preliminary Proposal and Request For Feedback

Existing: Undefined lane assignments

- Through-vehicles swerve around left-turning vehicles
- Left-turning vehicles feel back-pressure from through-vehicles
Proposed:
- Lane assignments better organize roadway
- Discourage speeding
Potential Benefits to Local Bicycle Network

Bicycle lanes on Bronxdale Ave could connect:

- Bronx Park
- Pelham Pkwy Greenway
- Bronx River Greenway
- Castle Hill Ave bicycle lanes
Bike Lane Projects Increase Safety for All Road Users

- **Markings** organize roadway
- **Standard width lanes** discourage speeding
- **Bike lanes** provide dedicated space for cyclists and increase predictability of cyclist location for drivers and pedestrians
- **Upgraded crosswalks** improve visibility and pedestrian safety
Bronxdale Avenue Safety Improvements

(2) Preliminary Proposal and Request For Feedback

Bronxdale Ave

Poplar St

E Tremont Ave

Castle Hill Ave
Bronxdale Avenue Safety Improvements

(2) Preliminary Proposal and Request For Feedback
(2) Preliminary Proposal and Request For Feedback

Bronxdale Avenue Safety Improvements
(2) Preliminary Proposal and Request For Feedback

Bronxdale Avenue Safety Improvements
Gather community feedback about specific issues on the Bronxdale Ave corridor:

- Congestion
- Speeding
- Pedestrians access
- Truck loading
- School loading
- Confusing intersections

Return to Community Board with updated proposal
THANK YOU!

Questions?