Macombs Road

Traffic Calming and Pedestrian Safety Improvements

Background

• High number of pedestrian injuries and one fatality
• Park recently constructed a GreenStreet at Featherbed Ln
• High Crash Corridor ranking in the 90th percentile for corridors in the Bronx
• Dangerous speeding observed at Cromwell Ave /Macombs Rd fork
• Priority School IS 232 located at north end of Macombs Rd

Location

• Large residential buildings, some retail and light industrial buildings
• High population density and many children
• Wide roadway with low traffic volumes encouraged speeding
• Curved roadway with bad sight lines
• Lack of pedestrian crossings

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<th>M</th>
<th>Q</th>
<th>S</th>
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Macombs Road - Jerome Ave to W 178th St, BX

Injury Summary, 2006-2010

<table>
<thead>
<tr>
<th></th>
<th>Total Injuries</th>
<th>Avg In/Yr</th>
<th>Avg In/Mile/Yr</th>
<th>Severity Percentile of Boro Corridors</th>
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</thead>
<tbody>
<tr>
<td>Pedestrian</td>
<td>36</td>
<td>7.2</td>
<td>12.5</td>
<td>95%</td>
</tr>
<tr>
<td>Bicyclist</td>
<td>6</td>
<td>1.2</td>
<td>2</td>
<td>N/A</td>
</tr>
<tr>
<td>Motor Vehicle Occupant</td>
<td>70</td>
<td>14</td>
<td>24.3</td>
<td>75%</td>
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<tr>
<td>Total</td>
<td>112</td>
<td>22.4</td>
<td>38.9</td>
<td>90%</td>
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Fatalities: 01/01/2006-1/9/2012: 1

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Pedestrian</td>
<td>1</td>
</tr>
<tr>
<td>Bicyclist</td>
<td>0</td>
</tr>
<tr>
<td>Motor Vehicle Occupant</td>
<td>0</td>
</tr>
</tbody>
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Macombs Road (Cont.)

Improvements

- Constructed three green pedestrian safety islands, two green triangles and a sidewalk extension
- Removed one through travel lane in each direction
- Installed flush center median with left turn bays
- Installed painted neckdown at Macombs Road and Nelson Ave
- Installed two new pedestrian light poles and relocated one signal pole
- Marked bicycle friendly parking lanes

Benefits

- Reduces speeding / calms traffic
- Simpler, safer left turns
- Safer pedestrian crossing
- Creates new public space
- Enhances streetscape
- Adds 1.24 lane miles to the bicycle network
- Redesigns 0.62 miles of a high crash corridor
Macombs Road (Cont.)

Scope
- Colored Roadways
- Concrete Work
- Flexible Bollards
- Landscaping—Parks
- Markings
- Signal Installation/Reconfiguration
- Signs—Curb Regulations
- Signs—Traffic Control

Lead Unit
- Pedestrian Projects Group

Implementation
- April 4th – August 6th
Macombs Road (Cont.)

Before: Channelized Triangle where Cromwell Avenue forks off from Macombs Road (Looking south)

After: New concrete island and expanded curb create a right turn onto Cromwell Avenue from Macombs Road