Project Area

Intersection of:
Community Boards 9,10,12

Intersection of:
W 155th Street
St. Nicholas Place
Edgecombe Ave
Harlem River Driveway Entrance
Community Requests

- Former Council Member Jackson requested pedestrian safety improvements
- NYPD 30th Precinct requested DOT safety investigation
- Support from NYPD 30th and 33rd Precincts for proposed DOT improvements

Safety Issues

- Long crosswalks
- Pedestrian crashes
- Multi-leg intersection with multiple conflicting movements
Public Meetings

- **12/06/12** – 1st site walk through and workshop with community members
- **8/13/13** – 2nd site walk through and workshop with community members
- **5/21/14** – Community forum and presentation
- **6/02/14** – Presentation to CB12 committee
- **6/05/14** – Presentation to CB9 committee
- **6/11/14** – Presentation to CB10 committee
## St Nicholas Pl at W 155th St Injury Summary, 2008-2012 (5 years)

<table>
<thead>
<tr>
<th>Category</th>
<th>Total Injuries</th>
<th>Severe Injuries</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pedestrian</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Bicyclist</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Motor Vehicle Occupant</td>
<td>59</td>
<td>5</td>
</tr>
<tr>
<td>Total</td>
<td>72</td>
<td>8</td>
</tr>
</tbody>
</table>

- Ranks in top one percent of Manhattan intersections
- 43 Motor Vehicle Crashes (non ped)
- 1 Ranks in top one percent of Manhattan intersections

Vehicle Crashes/Injuries

St Nicholas Pl at W 155th St

To Bronx / Yankee Stadium

Harlem River Driveway

Edgecombe Ave.
38% of pedestrian crashes involved pedestrians crossing with the signal.

St Nicholas Pl at W 155th St
Injury Summary, 2008-2012 (5 years)

<table>
<thead>
<tr>
<th></th>
<th>Total Injuries</th>
<th>Severe Injuries</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pedestrian</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Bicyclist</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Motor Vehicle Occupant</td>
<td>59</td>
<td>5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>72</strong></td>
<td><strong>8</strong></td>
</tr>
</tbody>
</table>

Ranks in top one percent of Manhattan intersections.
Turning Conflicts

23% of motor vehicle crashes involved left turning vehicles

Compared to 6.8% average in all of Manhattan
Turning Conflicts

W.155th green phase

41 Seconds

Edgecombe Ave.

Harlem River Driveway

To Bronx / Yankee Stadium

W 155th Street

St. Nicholas Place
Turning Conflicts

St. Nicholas Pl/
Harlem River Driveway
green phase

28 Seconds
Yielding Conflicts
Rapid Response Toolkit

- Pavement markings
- Turn Restrictions
- Painted surfaces
- Concrete Islands & Island Extensions
- Flexible Delineators
Proposed Conditions

- St. Nicholas Ave
- Edgecombe Ave
- Harlem River Driveway
- 7 New Curb Extensions
- W 155th Street
- New Safety Island
- W 155th Street Macombs Dam Bridge
- St. Nicholas Place
- Edgecombe Ave
Proposed Conditions

Shorter crossing distances

Tightens intersection to clarify movements and slow turns
Proposed Turn Restrictions

- Harlem River Driveway
- Edgecombe Ave
- St. Nicholas Ave
- St. Nicholas Place
- W 155th Street
- W 155th Street Macombs Dam Bridge

- Creates conflict free crosswalks
- Reduces vehicle/pedestrian, vehicle/vehicle conflict points
- Eases traffic flow
Proposed Turn Restrictions

- Signal coordination at St. Nick Ave
- Proposed turn lanes
- Peak hour left turn volume – 110 Vehicles
- St. Nicholas Place is a residential street
- Harlem River Driveway
- W 155th Street
- Macombs Dam Bridge
- Edgecombe Ave
- St. Nicholas Place
Proposed Turn Restrictions

- Peak hour right turn volume – 10 vehicles
- Peak hour left turn volume – 35 vehicles (combined turning on Edgecombe and W.155th)

Locations:
- St. Nicholas Ave
- Edgecombe Ave
- W 155th Street
- Harlem River Driveway
- St. Nicholas Place
- Macombs Dam Bridge
Proposed Turn Restrictions

- Harlem River Driveway
- Edgecombe Ave
- St. Nicholas Ave
- St. Nicholas Place

Signal coordination at St. Nick Ave

- W 155th Street
- Macombs Dam Bridge

Edgecombe Ave

- BUS STOP
- SCHOOL
75% of pedestrian crashes involved pedestrians crossing at intersections without stop signs or signals.

St Nicholas Pl: W 150th St to at W 153rd St

Injury Summary, 2008-2012 (5 years)

<table>
<thead>
<tr>
<th></th>
<th>Total Injuries</th>
<th>Severe Injuries</th>
<th>Fatalities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pedestrian</td>
<td>4</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Bicyclist</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Motor Vehicle Occupant</td>
<td>29</td>
<td>6</td>
<td>1</td>
</tr>
<tr>
<td>Total</td>
<td>35</td>
<td>6</td>
<td>1</td>
</tr>
</tbody>
</table>
Existing Conditions

- Lack of pedestrian crossings
- Uninterrupted corridor encourages speeding
Proposed Conditions

- New pedestrian islands
- Speed humps installed Summer 2014

Yield to pedestrian crosswalk in the Bronx
Proposed Changes to the Intersection of St. Nicholas Pl and W 155th St
1. Add new pedestrian safety island on St. Nicholas Pl at W.155th St
2. Install five neckdowns at W.155th & St. Nicholas Pl
3. Install two neckdowns at W.155th & St. Nicholas Ave
4. Add left turn lane on W.155th St (E/B)
5. Modify signal timing to process W.155th vehicles through St. Nicholas Pl and St. Nicholas Ave
6. Ban southbound lefts off of W 155th St
7. Ban southbound right from Edgecombe
8. Ban westbound lefts off of W 155th St

Proposed Changes to St. Nicholas Pl
1. Add pedestrian islands at 151st St, 152nd St and 153rd St
2. Add yield crosswalk on St. Nicholas Pl at W 152nd St
nyc.gov/dot

Thank You