Project Location

- Project Limits: E 233rd St/Grenada Pl – Boston Rd
- Seton Falls Park
- Five schools, single family housing, NYCHA
- Community request for safety improvements

Existing Conditions:
School dismissal at Crawford Ave and Baychester Ave
Safety Need: Vision Zero

**Vision Zero**

- Multi-agency effort to reduce traffic fatalities in NYC
- Borough Action Plans released in 2015
- Priority Intersections, Corridors, and Areas identified for each borough
  - Baychester Ave identified as a Priority Corridor for the Bronx with 7.9 Pedestrian Killed or Severely Injured (KSI) per mile
  - Baychester Ave & E 233rd St identified as a Priority Intersection for the Bronx with 4 Pedestrian KSI
Safety Data: 2010-2014

- 17 Severe Injuries
  - 4 pedestrians
  - 13 motor vehicle occupants
- 1 Pedestrian Fatality
- High rate of youth involved in crashes
- Predominant types of motor vehicle crashes:
  - Rear End (29%)

**Injury Summary, 2010-2014 (5 Years)**

<table>
<thead>
<tr>
<th></th>
<th>Total Injuries</th>
<th>Severe Injuries</th>
<th>Fatalities</th>
<th>KSI</th>
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<tbody>
<tr>
<td>Pedestrian</td>
<td>28</td>
<td>4</td>
<td>0</td>
<td>4</td>
</tr>
<tr>
<td>Bicyclist</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Motor Vehicle Occupant</td>
<td>182</td>
<td>13</td>
<td>0</td>
<td>13</td>
</tr>
<tr>
<td>Total</td>
<td>210</td>
<td>17</td>
<td>0</td>
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</tr>
</tbody>
</table>

Fatalities, 01/01/2010-3/7/2016: 1

Source: Fatalities: NYCDOT
Injuries: NYSDDOT
KSI: Persons Killed or Severely Injured
Existing Conditions: Baychester Ave

- Two travel lanes in each direction
- Parking on both sides of street
- 60’ wide roadway
- Long distances between pedestrian crossings
- Local truck route
- Illegal u-turns along corridor
Existing Conditions: E 233 St/Grenada Pl

- Vision Zero Priority Intersection (4 pedestrian KSI 2010-2014)
- 2012 safety project installed neckdown on E 233rd St & Grenada Pl; traffic calming on E 233rd St
- Long distances for pedestrians to cross, difficult to cross in one signal
- Skewed intersection with five approaches
- 18 possible vehicle movements
Corridor Proposal Details: E 233rd St/Grenada Pl

- Add angled parking spaces (adds 4 parking spaces)
- Convert Grenada Pl to one-way eastbound between Edson Ave & Baychester Ave
- Extend existing pedestrian space and channelization
- Expand flush median and install pedestrian refuge island
- Upgrade to high-visibility crosswalks
- Proposed Conditions

Existing Conditions
Use E 233rd St for Laconia Ave or points west
• Install pedestrian refuge islands & left turn bays
  • At Schieffelin Ave & Baychester Ave – adjacent to Bronx Alliance Middle School, John Phillip Sousa School
  • At Crawford Ave & Baychester Ave – adjacent to Baychester Middle School, Cardinal Spellman High School, P.S. 111 Seton Falls, Bronx Charter School for Better Learning, One World Middle School at Edenwald

• Add parking lane stripe on Baychester Ave from E 233rd St to Boston Rd
Corridor Proposal Details: Signal Improvements

- Add midblock signals with pedestrian crossings
  - Between Schieffelin Ave and Crawford Ave on Baychester Ave — in front of John Phillip Sousa School
  - Between Crawford Ave and Needham Ave on Baychester Ave — in front of Baychester Middle School and Cardinal Spellman High School
- Added leading pedestrian interval at Baychester Ave & Boston Rd to provide pedestrian-only walk time before vehicles receive a green light (installed Spring 2015)
Summary & Benefits of Proposal

- Creates new safe opportunities for pedestrians to cross the street
- Safer, shorter pedestrian crossings
- Parking lane stripe clarifies moving lanes
- High visibility crosswalks make pedestrians more visible to drivers
- Intersection redesign at E 233rd St simplifies complex intersection, responds to community request for safety improvements
Questions?

Contact:
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