

Baychester Avenue

Vision Zero Priority Corridor

2016

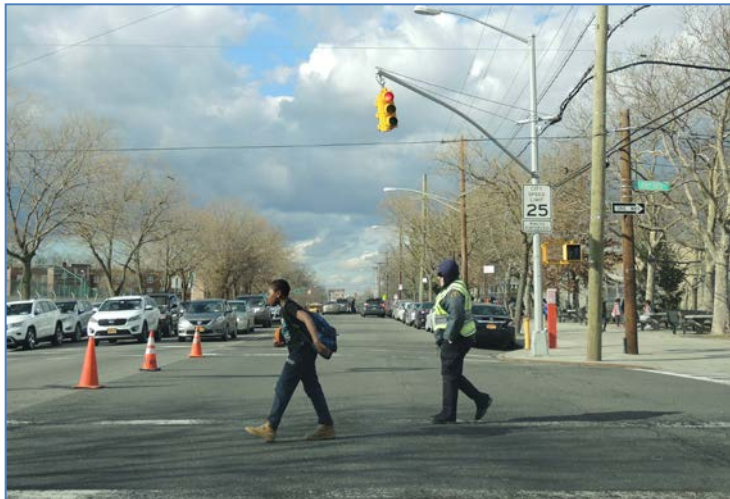


New York City Department of Transportation
Presented to Community Board 12 by Office of Research, Implementation and Safety on May 12, 2016



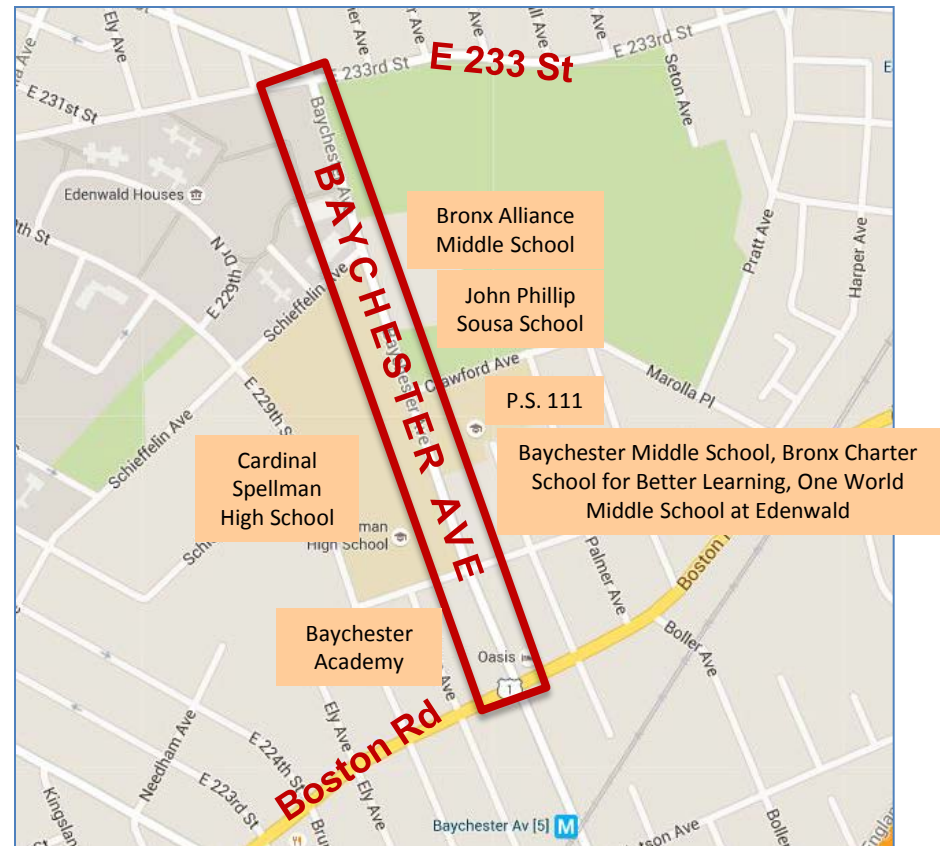
Project Location

- 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:

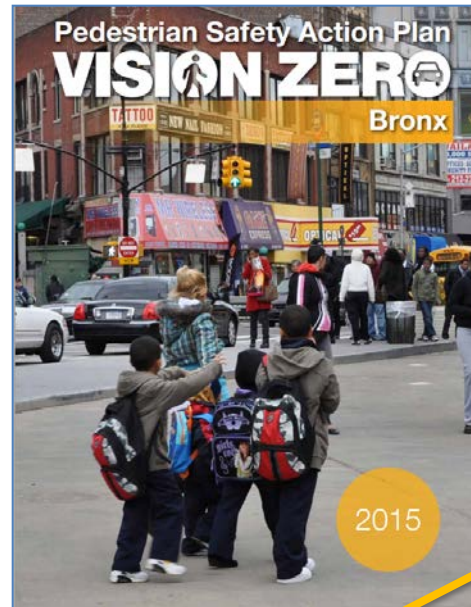
School dismissal at Crawford Ave and Baychester Ave



Safety Need: Vision Zero

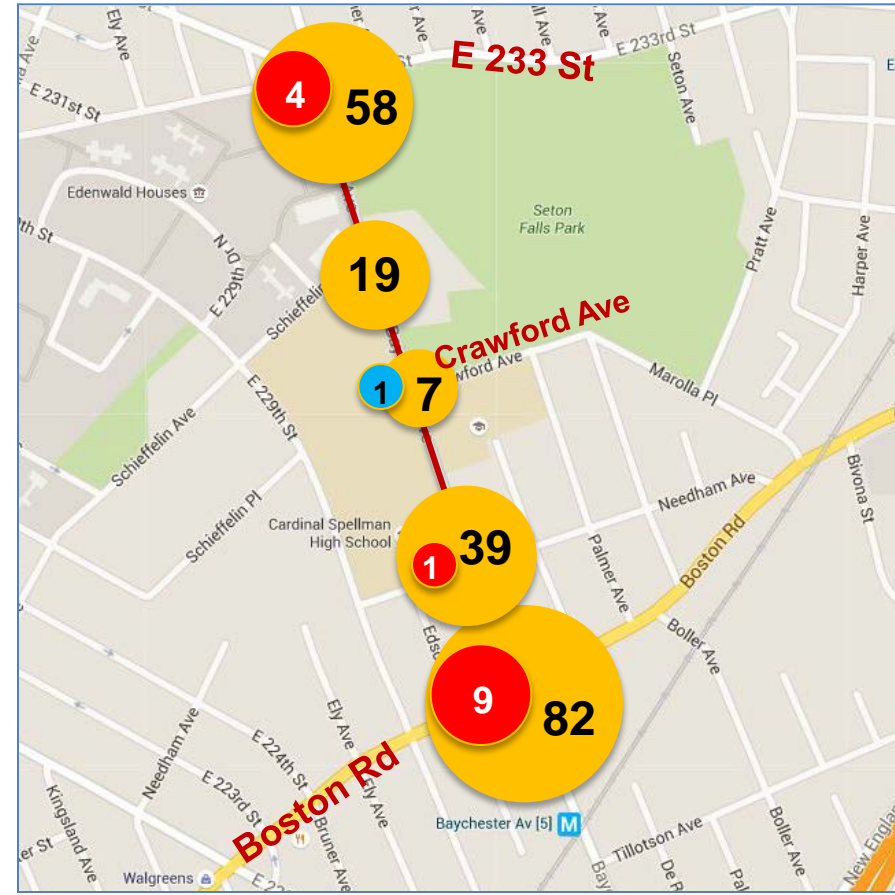
Vision Zero

- 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)

	Total Injuries	Severe Injuries	Fatalities	KSI
Pedestrian	28	4	0	4
Bicyclist	0	0	0	0
Motor Vehicle Occupant	182	13	0	13
Total	210	17	0	17

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

Source: Fatalities: NYCDOT
 Injuries: NYSDOT
 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

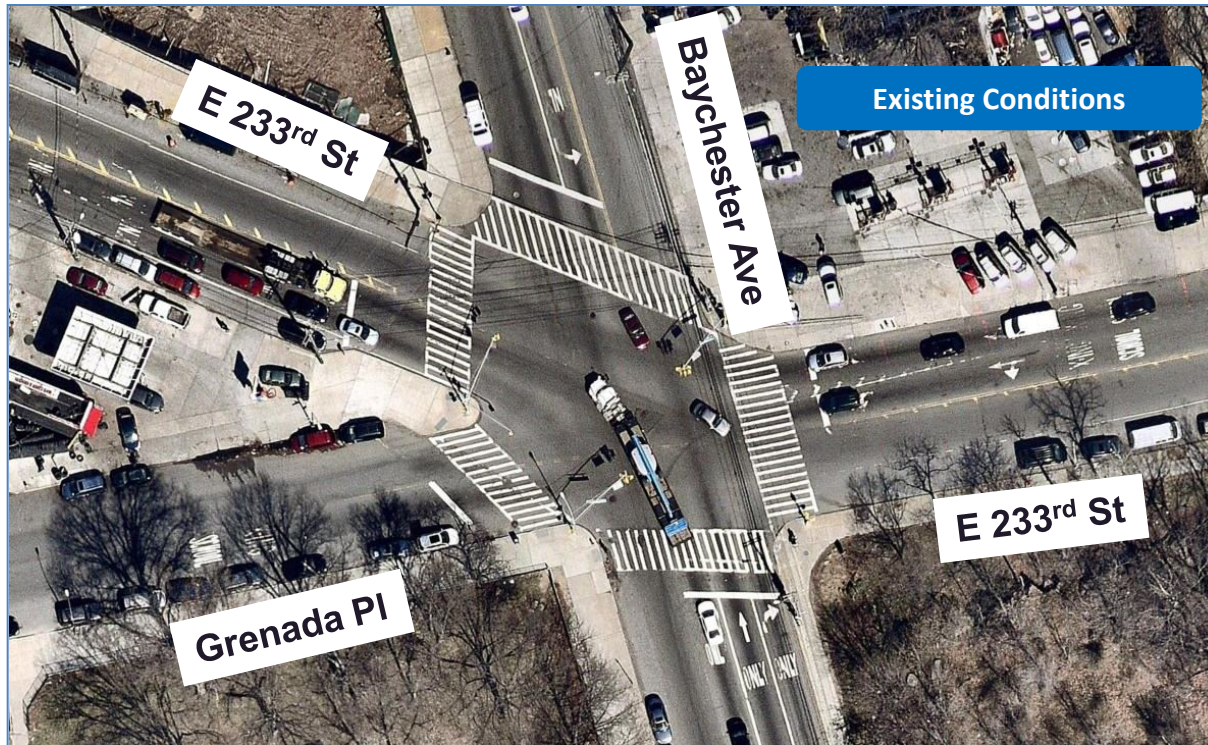


Existing Conditions: Wide crossing distance at Schieffelin Ave

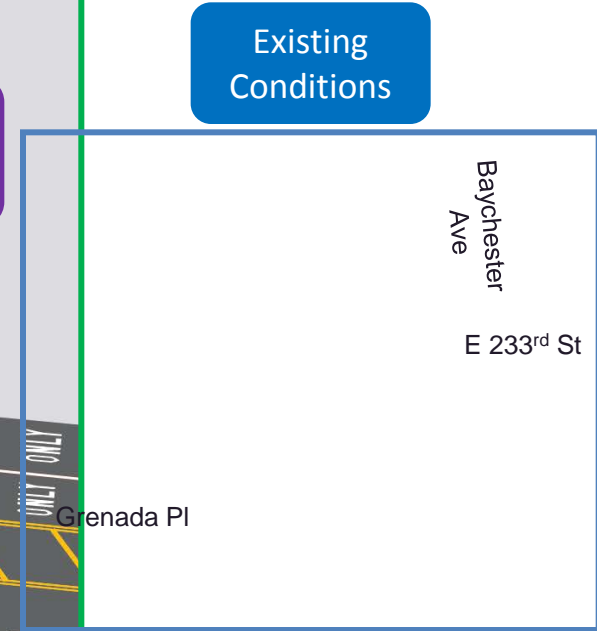
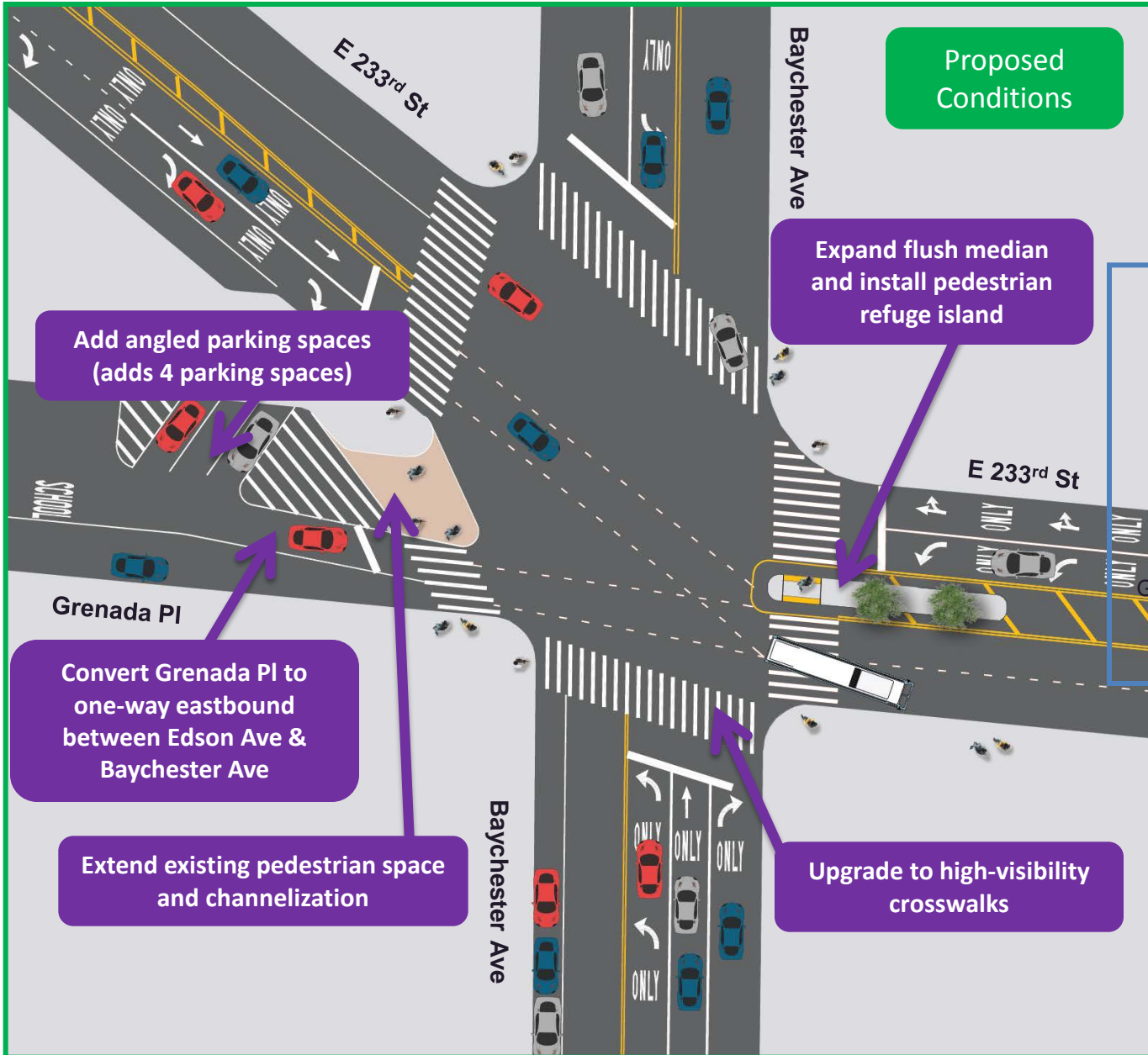


Existing Conditions: E 233 St/Grenada Pl

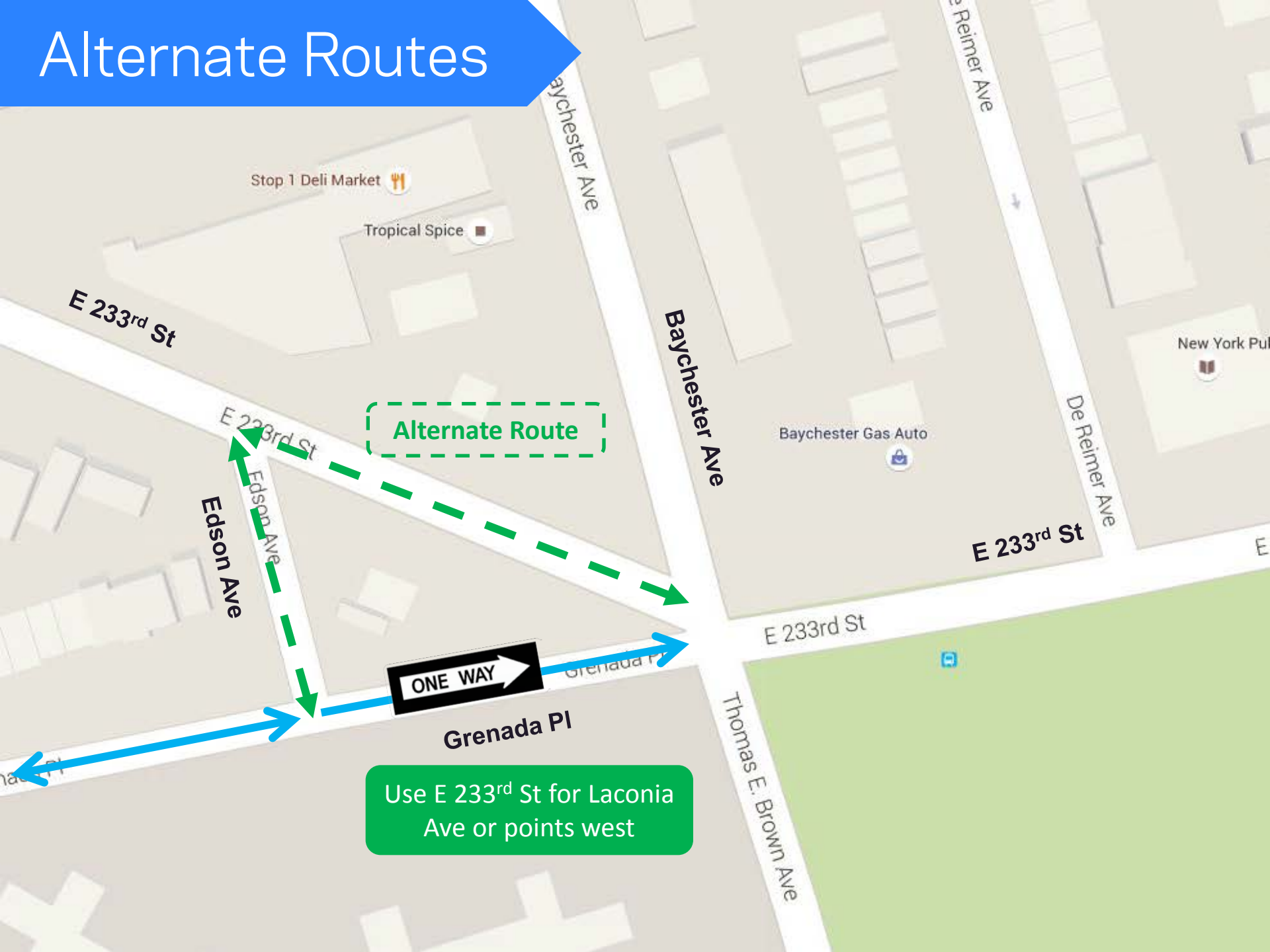
- Vision Zero Priority Intersection (4 pedestrian KSI 2010-2014)
- 2012 safety project installed neckdown on E 233rd St & Grenada Pl; traffic calming on E 233rd St
- Long distances for pedestrians to cross, difficult to cross in one signal
- Skewed intersection with five approaches
- 18 possible vehicle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



Corridor Proposal Details: E 233rd St/Grenada Pl



Alternate Routes



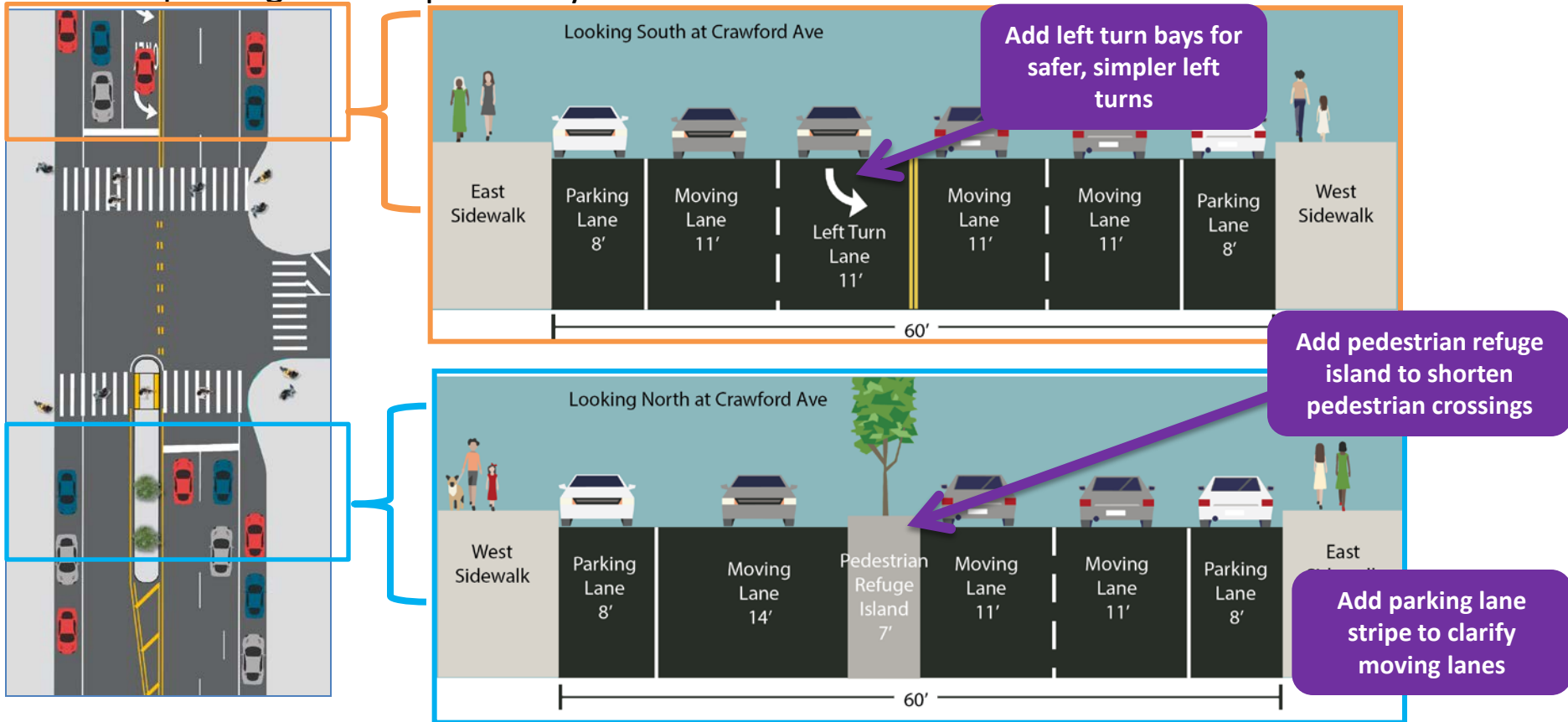
Alternate Route

ONE WAY

Use E 233rd St for Laconia Ave or points west

Corridor Proposal Details: Pedestrian Islands

- 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)

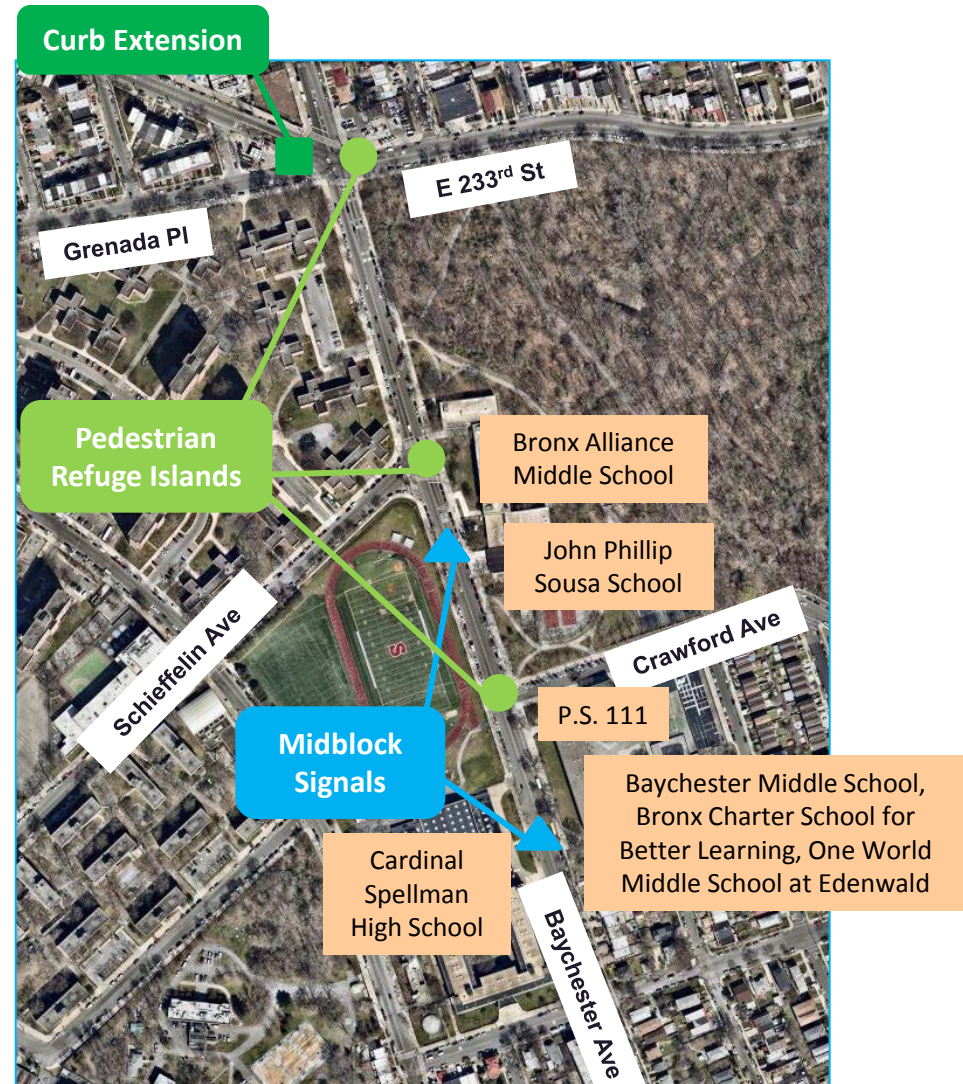


Example of Proposed Conditions: Ocean Avenue, Brooklyn



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?



Thank
You

Contact:

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