

# Rockaway Parkway

## Corridor Safety Improvements

2016



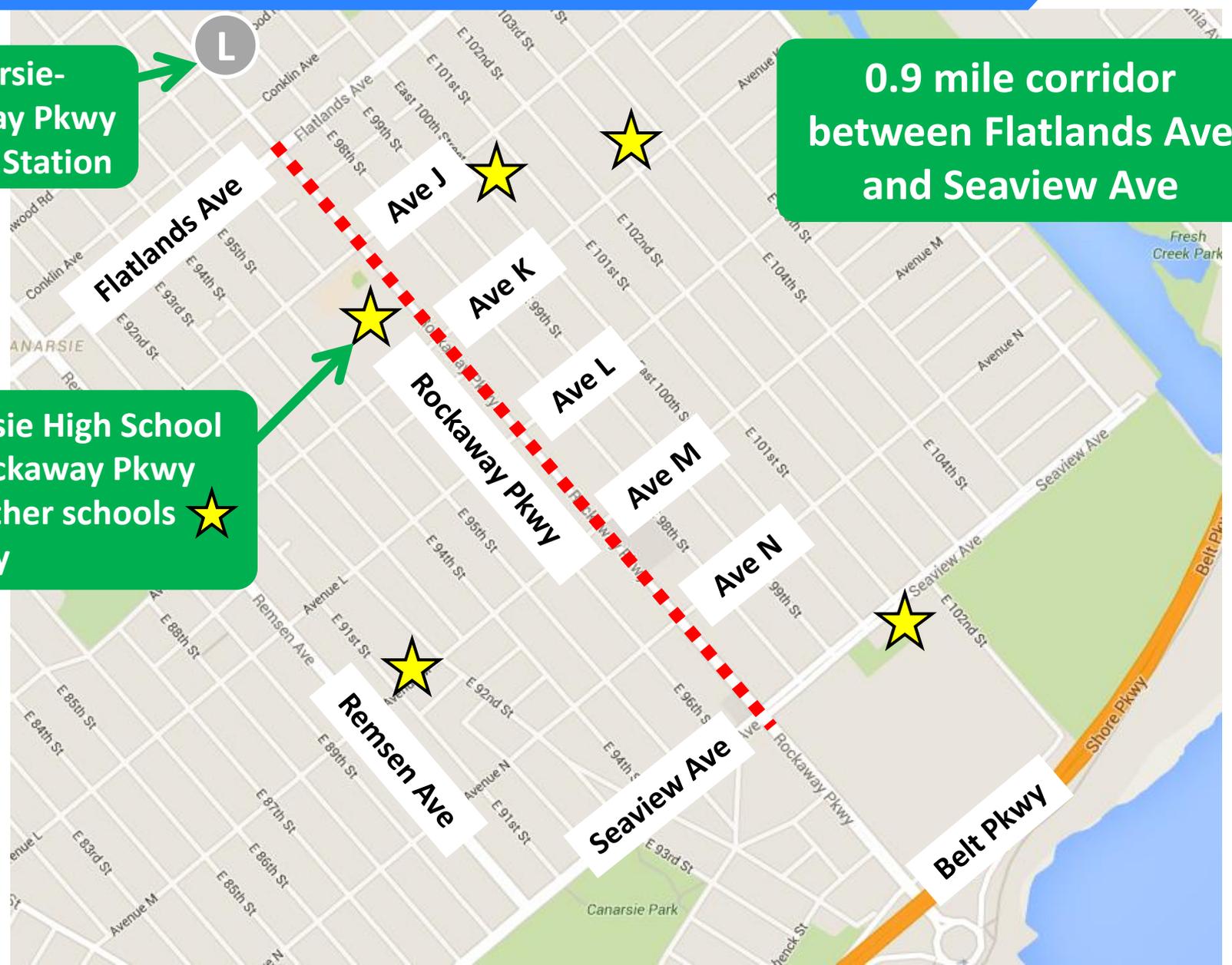
New York City Department of Transportation  
Office of Research, Implementation and Safety  
Presented to Brooklyn Community Board 18 on Wednesday, April 20<sup>th</sup>, 2016

# Project Location

Canarsie-Rockaway Pkwy Subway Station

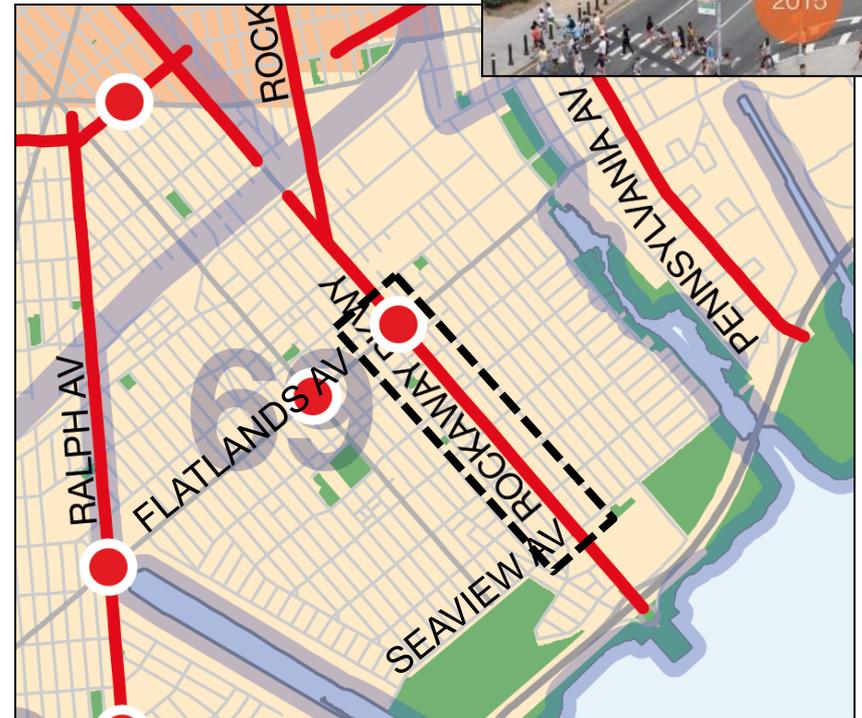
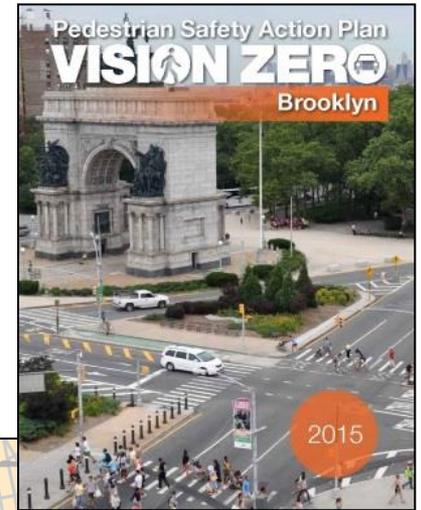
0.9 mile corridor between Flatlands Ave and Seaview Ave

Canarsie High School on Rockaway Pkwy and other schools nearby



# Vision Zero Priority

- Multi-agency effort to reduce traffic fatalities in NYC
- Borough Pedestrian Safety Action Plans released in 2015
- Priority Intersections, Corridors, and Areas identified for each borough:
  - **Rockaway Pkwy is a Priority Corridor**
  - **Rockaway Pkwy & Flatlands Ave is a Priority Intersection**



# Safety Data: Project Need

**409 total injuries**

**23 KSI (persons killed or severely injured)**

## Rockaway Pkwy - Flatlands Ave to Seaview Ave, BK Injury Summary, 2010-2014 (5 Years)

	Total Injuries	Severe Injuries	Fatalities	KSI
Pedestrian	63	8	2	10
Bicyclist	6	2	0	2
Motor Vehicle Occupant	340	10	1	11
Total	409	20	3	23

Fatalities, 01/01/2010-4/11/2016 : 5

Source: Fatalities: NYCDOT  
Injuries: NYSDOT  
KSI: Persons Killed or  
Severely Injured

Pedestrian:	2
Bicyclist:	0
Motor Vehicle Occupant:	3

**5 fatalities**

- One of the 10 worst corridors for pedestrian KSI in Brooklyn
- Left turn crashes are the most common motor vehicle crash type
- Most pedestrians are hit crossing with the walk signal



# Safety Data: Project Need

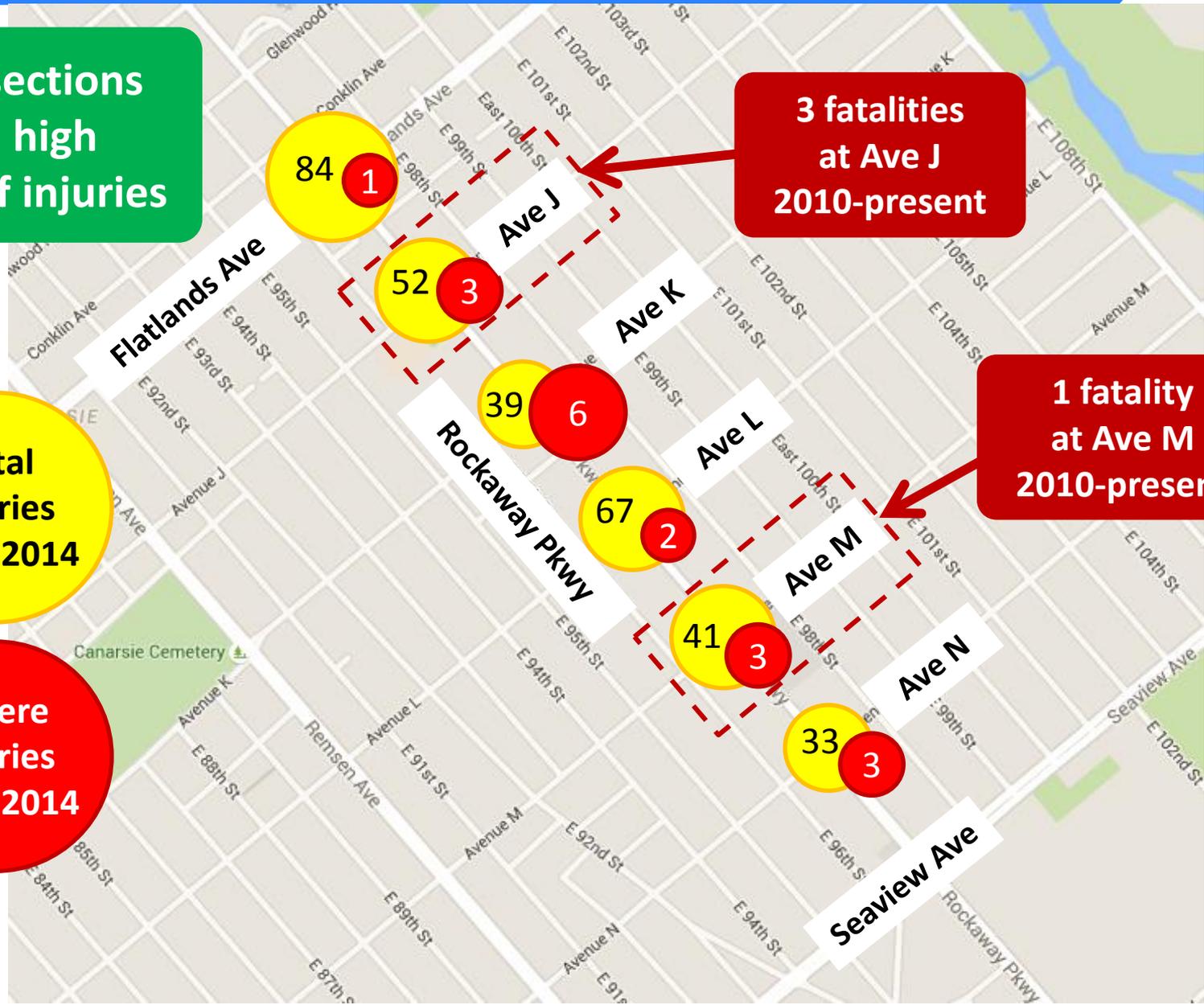
All intersections have a high number of injuries

Total Injuries 2010-2014

Severe Injuries 2010-2014

3 fatalities at Ave J 2010-present

1 fatality at Ave M 2010-present



# Existing Conditions: Street Width

**Rockaway Pkwy widens from 2 lanes to 4 lanes with parking at Flatlands Ave**

**Flatlands Ave**

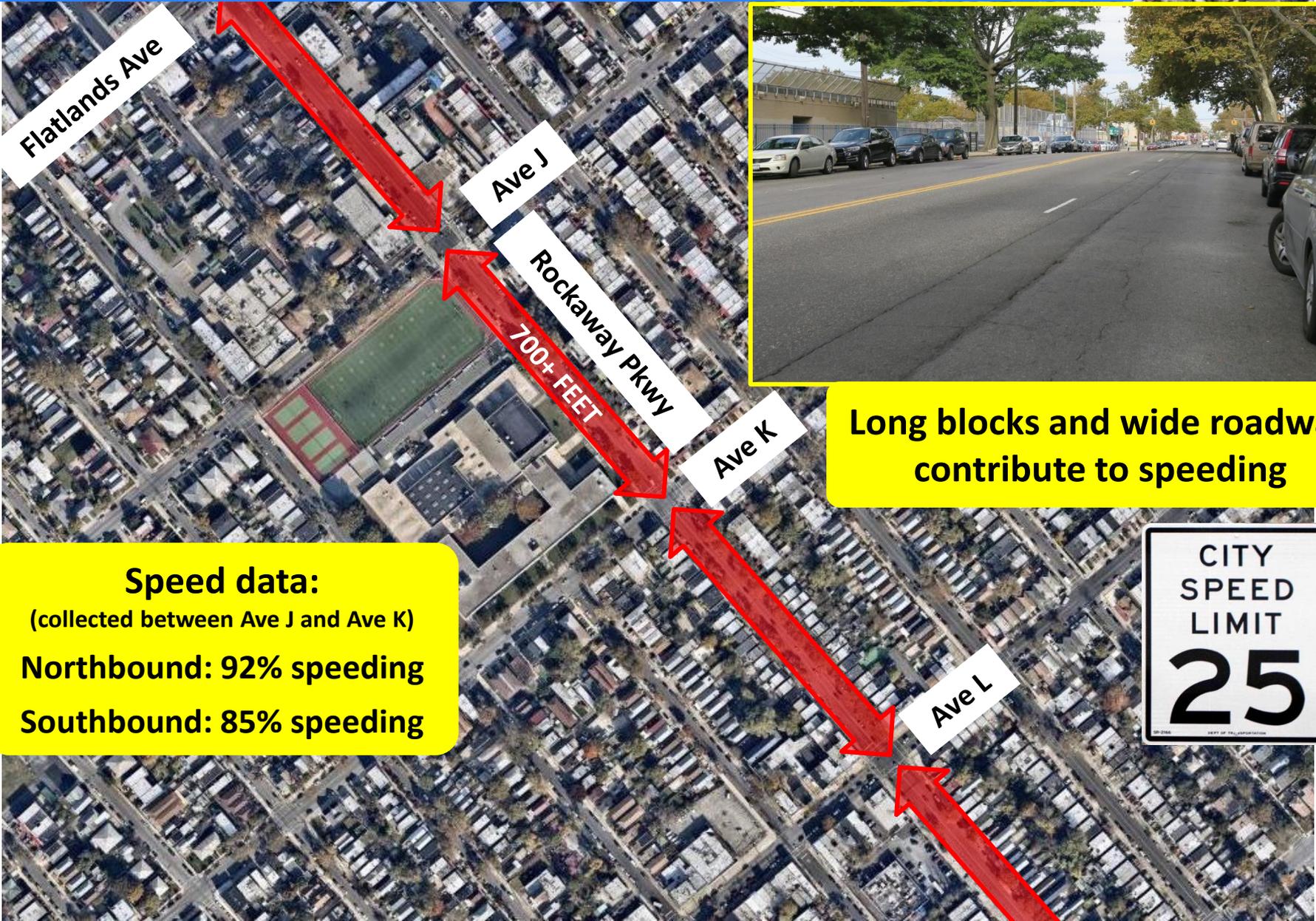
**Rockaway Pkwy**

**60 FEET**

**Long crossing distance for pedestrians**



# Existing Conditions: Speeding



Flatlands Ave

Ave J

Rockaway Pkwy  
700+ FEET

Ave K

Ave L

Long blocks and wide roadway contribute to speeding

**Speed data:**  
(collected between Ave J and Ave K)  
**Northbound: 92% speeding**  
**Southbound: 85% speeding**



# Existing Conditions: Left Turns



**Many left turns off of Rockaway Pkwy to access schools, businesses, residences**

**Over 165 left turns in peak hour northbound onto Ave J**

**No designated lane for left turns blocks through traffic and creates back pressure**

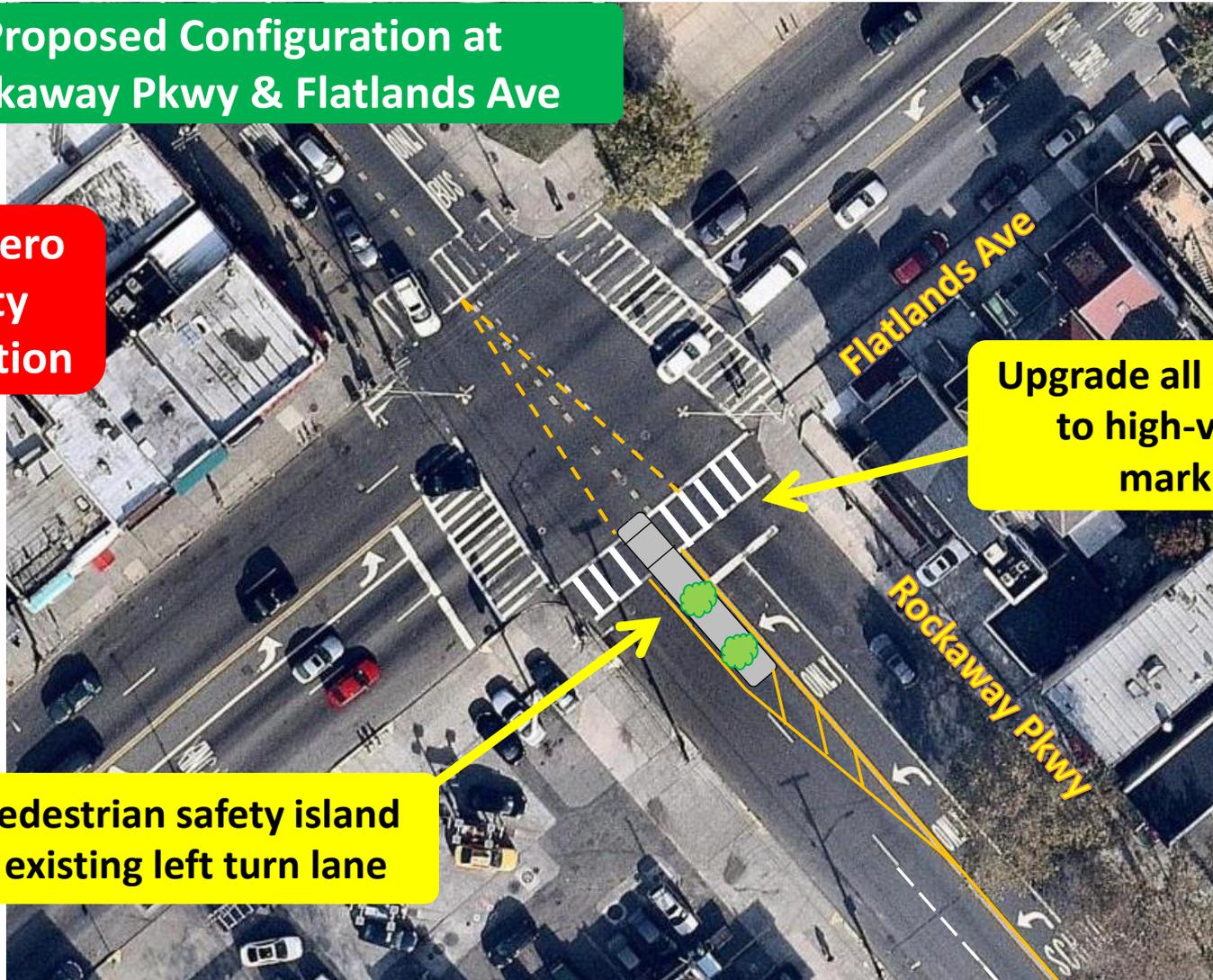
# Proposed Safety Improvements: Islands

## Proposed Configuration at Rockaway Pkwy & Flatlands Ave

**Vision Zero  
Priority  
Intersection**

**Upgrade all crosswalks  
to high-visibility  
markings**

**Install pedestrian safety island  
next to existing left turn lane**



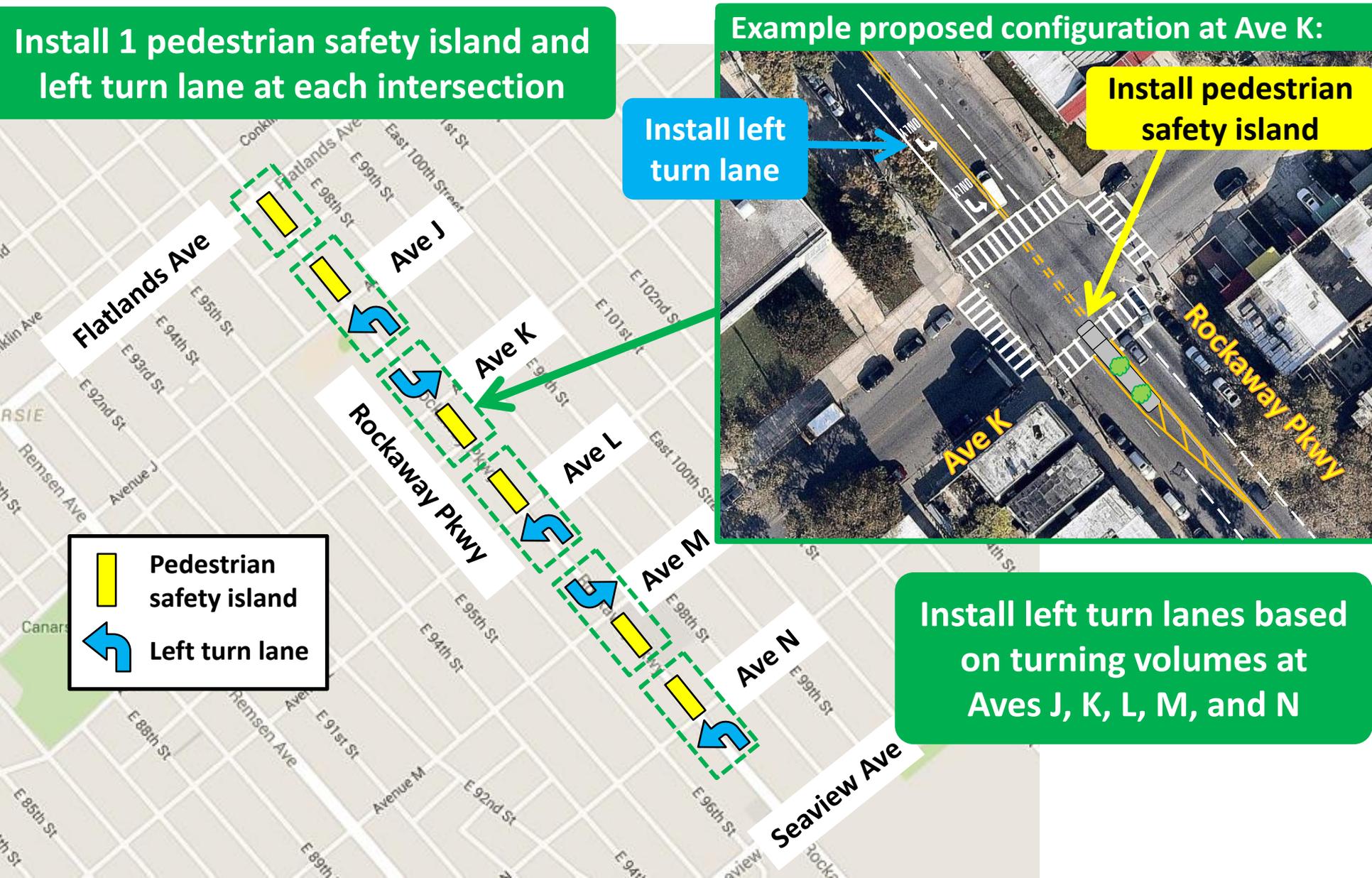
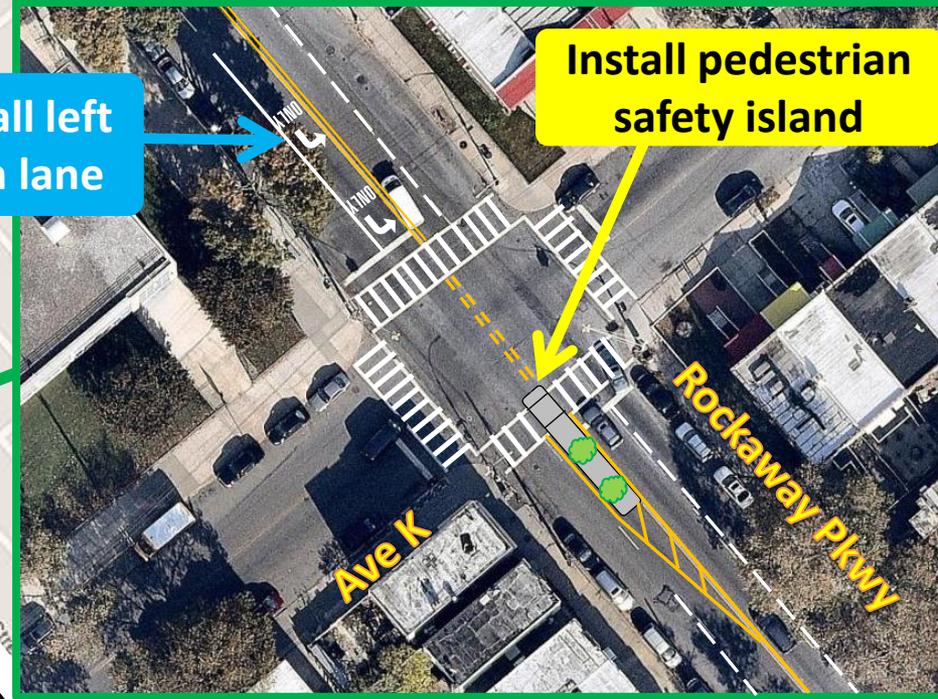
# Proposed Safety Improvements: Islands

Install 1 pedestrian safety island and left turn lane at each intersection

Install left turn lane

Install pedestrian safety island

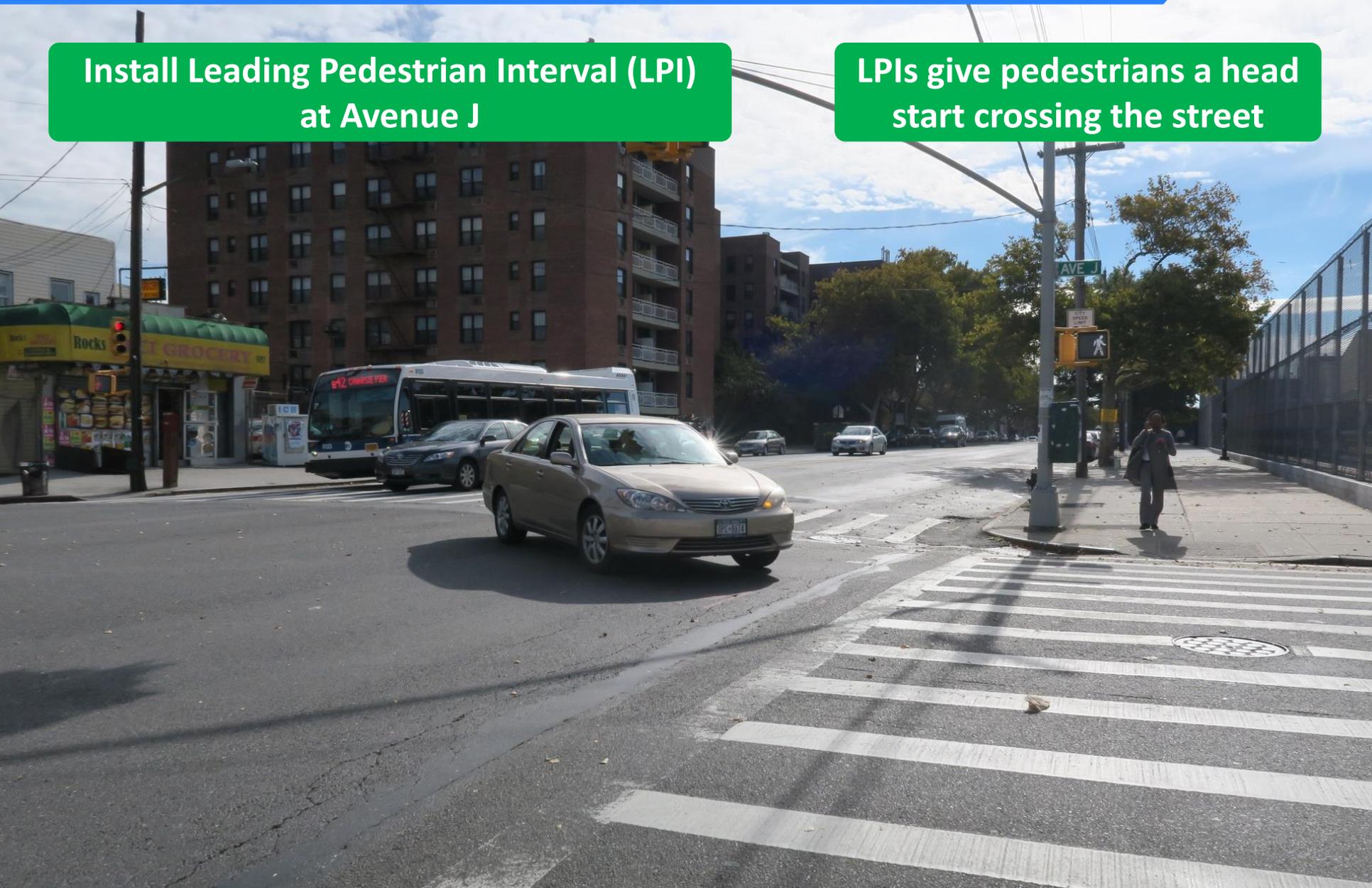
Install left turn lanes based on turning volumes at Aves J, K, L, M, and N



# Proposed Safety Improvements: LPI

Install Leading Pedestrian Interval (LPI)  
at Avenue J

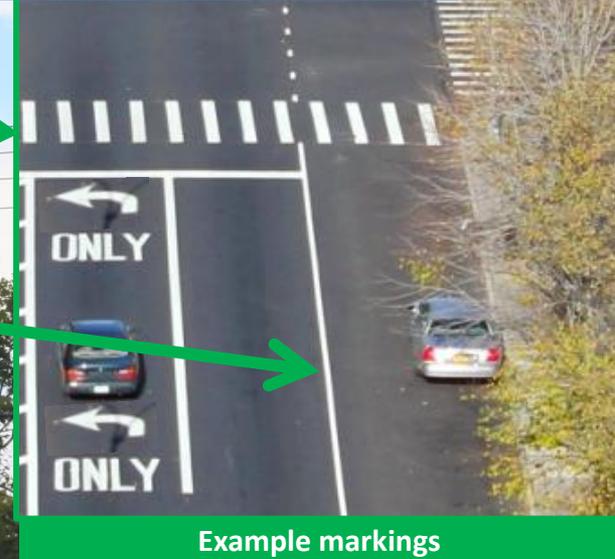
LPIs give pedestrians a head  
start crossing the street



# Proposed Safety Improvements: Markings

Upgrade all crosswalks to high-visibility markings

Install parking lane stripe from Flatlands Ave to Seaview Ave to create standard width travel lanes



Example markings



# Project Benefits

## Create safer intersections

### Pedestrian safety islands:

- Shorten crossing distance
- Provide refuge in crosswalk

### Left turn lanes:

- Organize traffic
- Reduce conflict
- Create simpler, safer vehicle turns

### Leading Pedestrian Interval at Ave J:

- Gives pedestrians a head start before vehicles get the green light

### Parking lane stripe:

- Creates standard width moving lanes
- Discourages speeding



Example of proposed configuration: E 86<sup>th</sup> St at 1<sup>st</sup> Ave, MN

Questions?

**Thank  
You**

Contact: DOT Brooklyn Borough Commissioner's Office at (646) 892-1350