



# E 98<sup>TH</sup> ST: E NEW YORK AVE TO HEGEMAN AVE

School Safety Improvements

Presentation for CB 16 April 12, 2018



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# PROJECT BACKGROUND

# 1

# VISION ZERO PRIORITY

## Brooklyn Priority Geographies

### 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

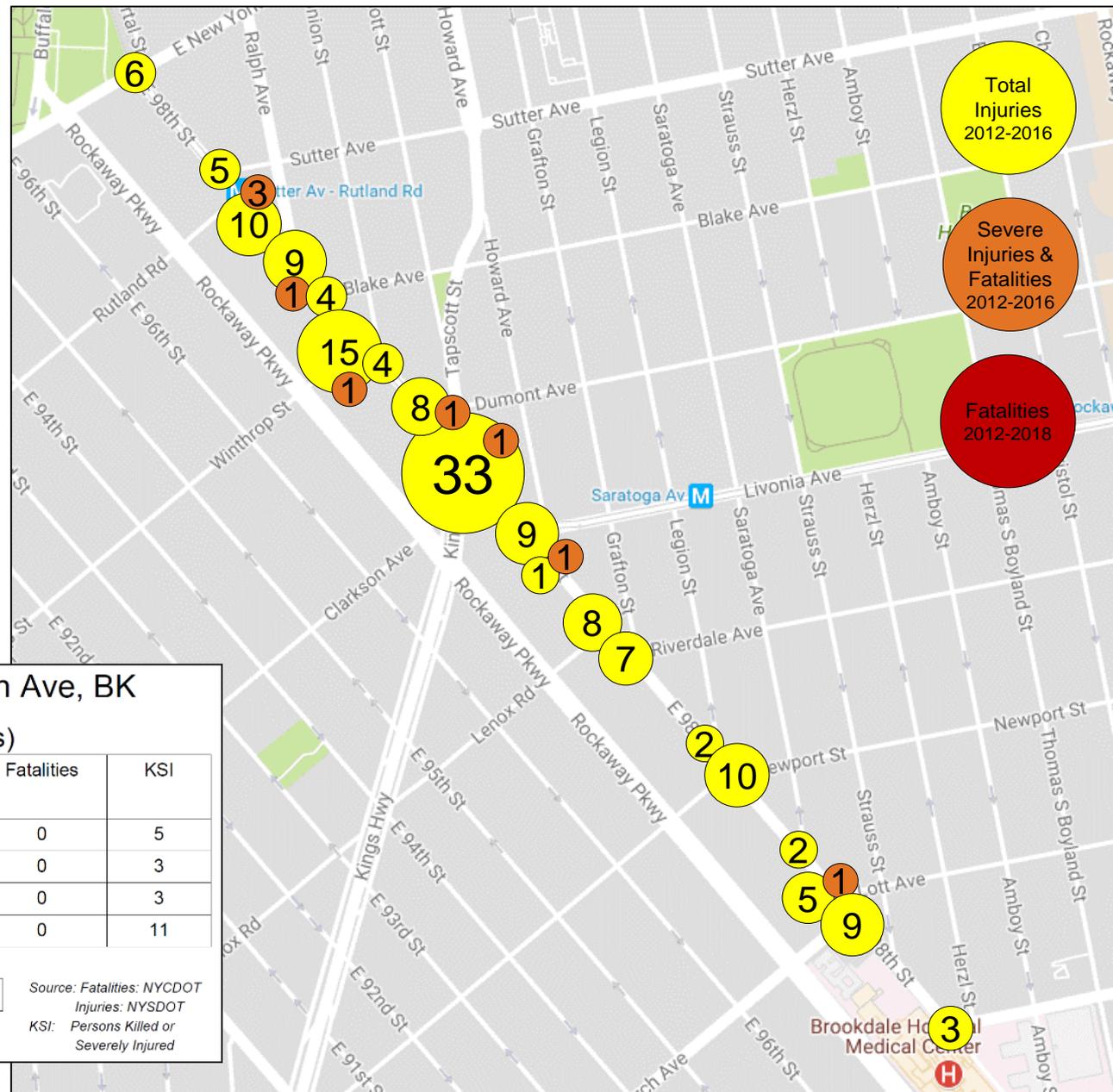
### E. 98 St.

- Located in a Priority Area
- Intersects with 3 Priority Corridors (Ralph Ave, Livonia Ave, Church Ave)



# CRASH DATA

E 98 St: E New York Ave to Hegeman Ave (2012-2016)



**E 98 St - E NY Ave to Hegeman Ave, BK**  
**Injury Summary, 2012-2016 (5 Years)**

	Total Injuries	Severe Injuries	Fatalities	KSI
Pedestrian	53	5	0	5
Bicyclist	9	3	0	3
Motor Vehicle Occupant	100	3	0	3
<b>Total</b>	<b>162</b>	<b>11</b>	<b>0</b>	<b>11</b>

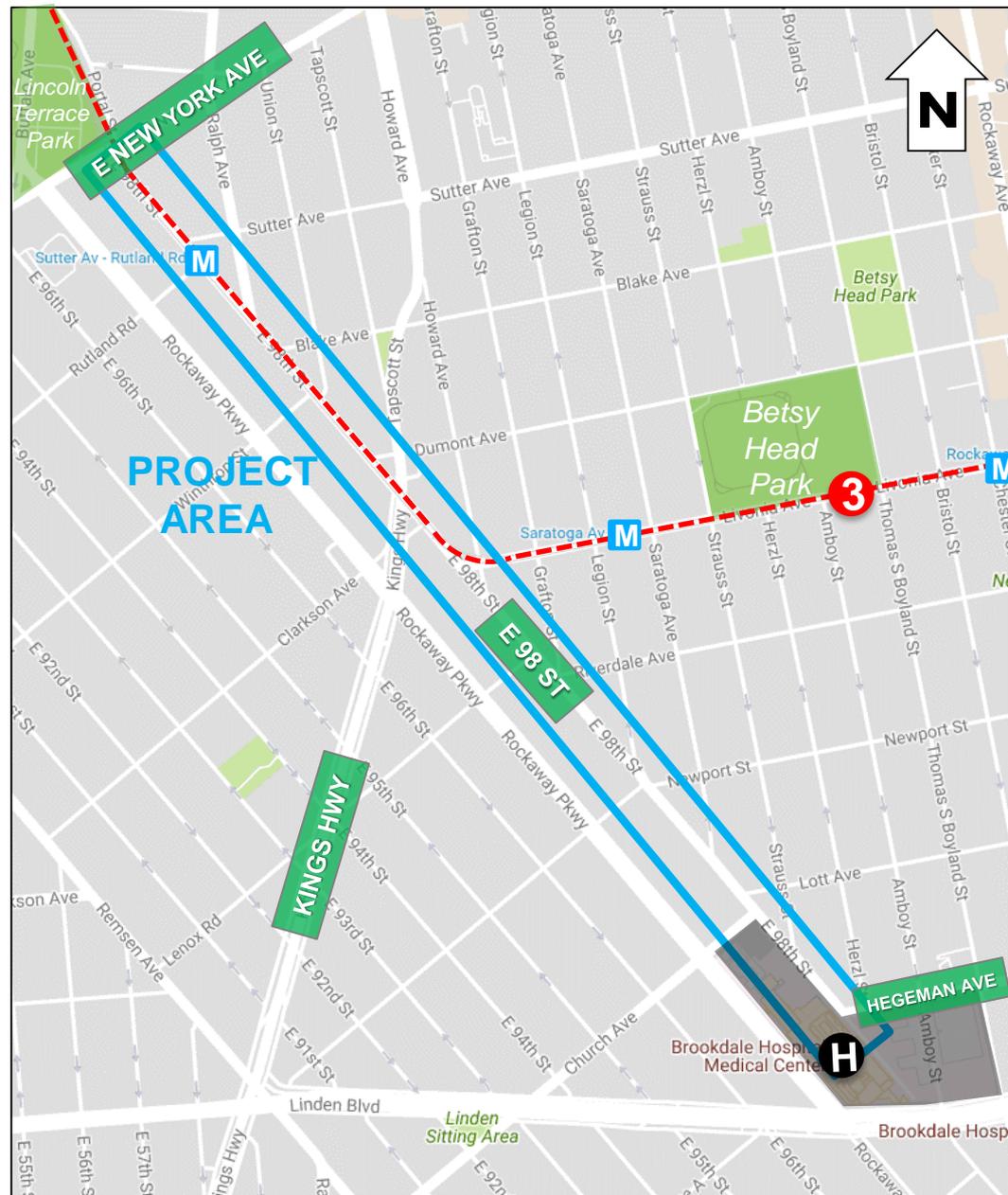
**Fatalities, 01/01/2012-2/5/2018 : None**

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

# PROJECT LOCATION

## E 98 St: E New York Ave to Hegeman Ave

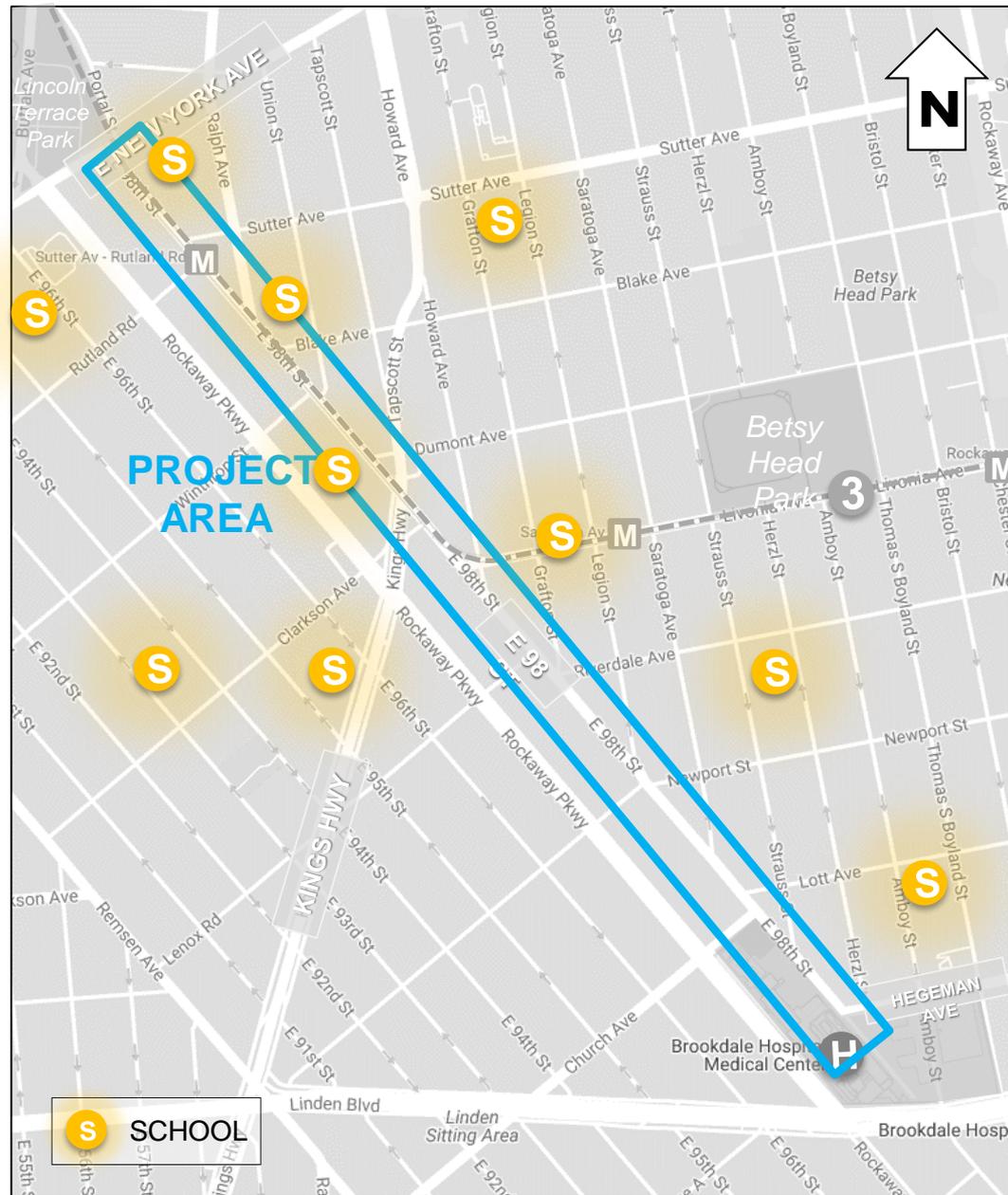
- Elevated 3 train from E New York Ave to Livonia Ave, stopping at Sutter Ave / Rutland Rd
- Poor visibility due to elevated train support columns
- B15 runs along E 98 St from Ralph Ave to Hegeman Ave
- Senior Safety Area
- High speeds: 43% of vehicles above the limit
- East 98<sup>th</sup> St is located in a Vision Zero Priority Area



# PROXIMITY TO SCHOOLS

## E 98 St: E New York Ave to Hegeman Ave

- Project area used by students accessing Brownsville Academy HS, Waverly School of Arts, Ascend Charter Schools, PS 165, Brooklyn Scholars Charter School, Riverdale Ave Community School, PS 189, and East Brooklyn Community HS, and PS 183



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# EXISTING CONDITIONS & PROPOSALS

# 2

# EXISTING CONDITIONS: E 98 ST AND UNION ST



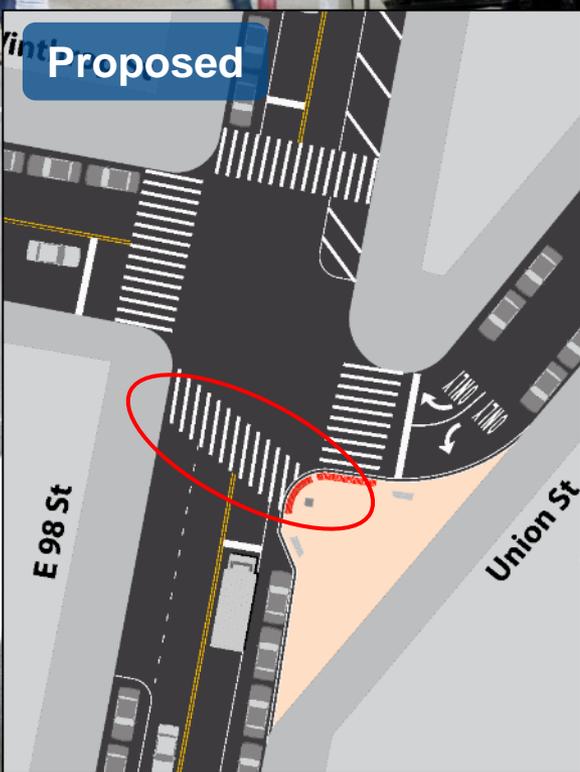
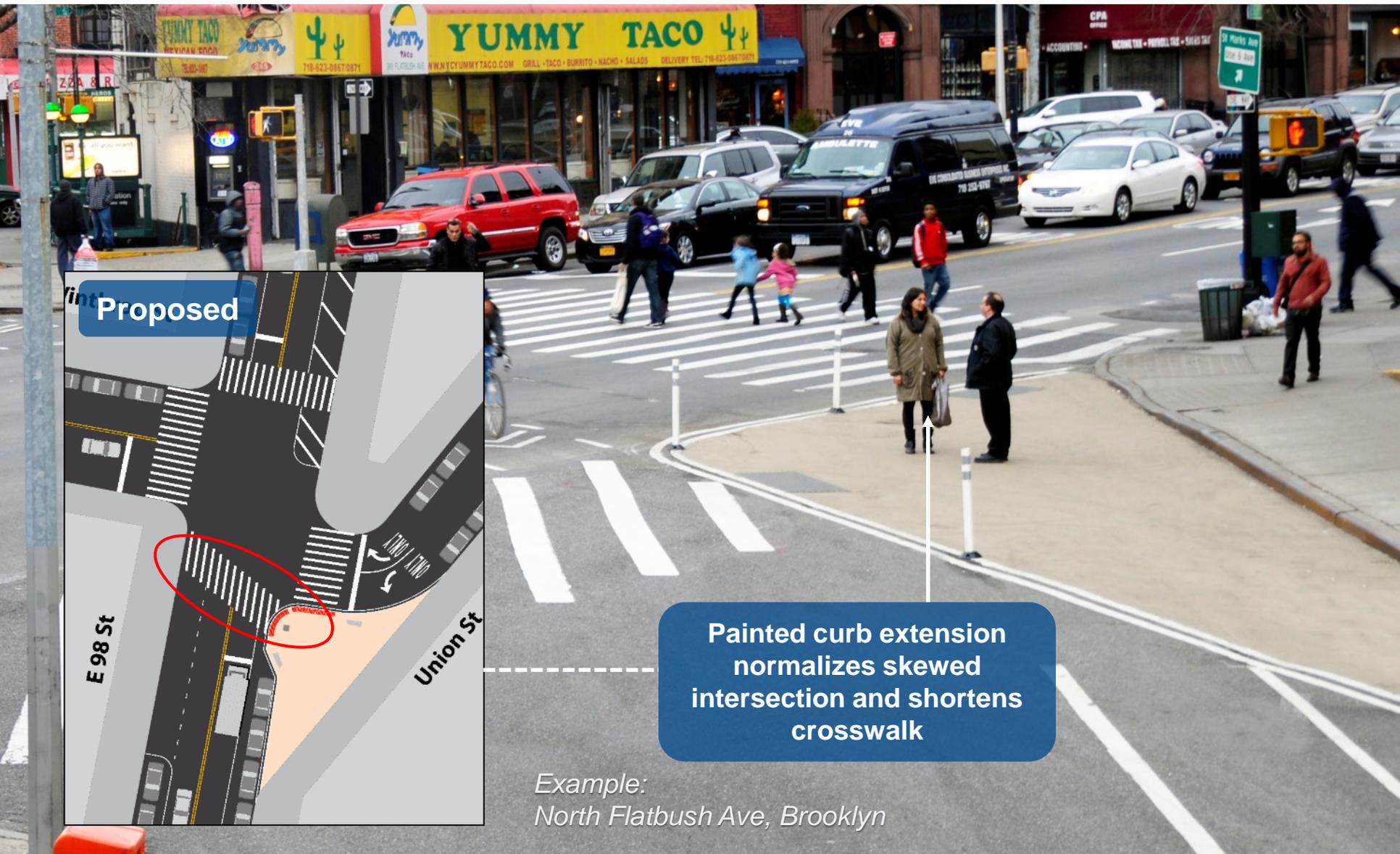
No pedestrian crossing

Illegally parked vehicles



E 98 St and Union St, facing northeast

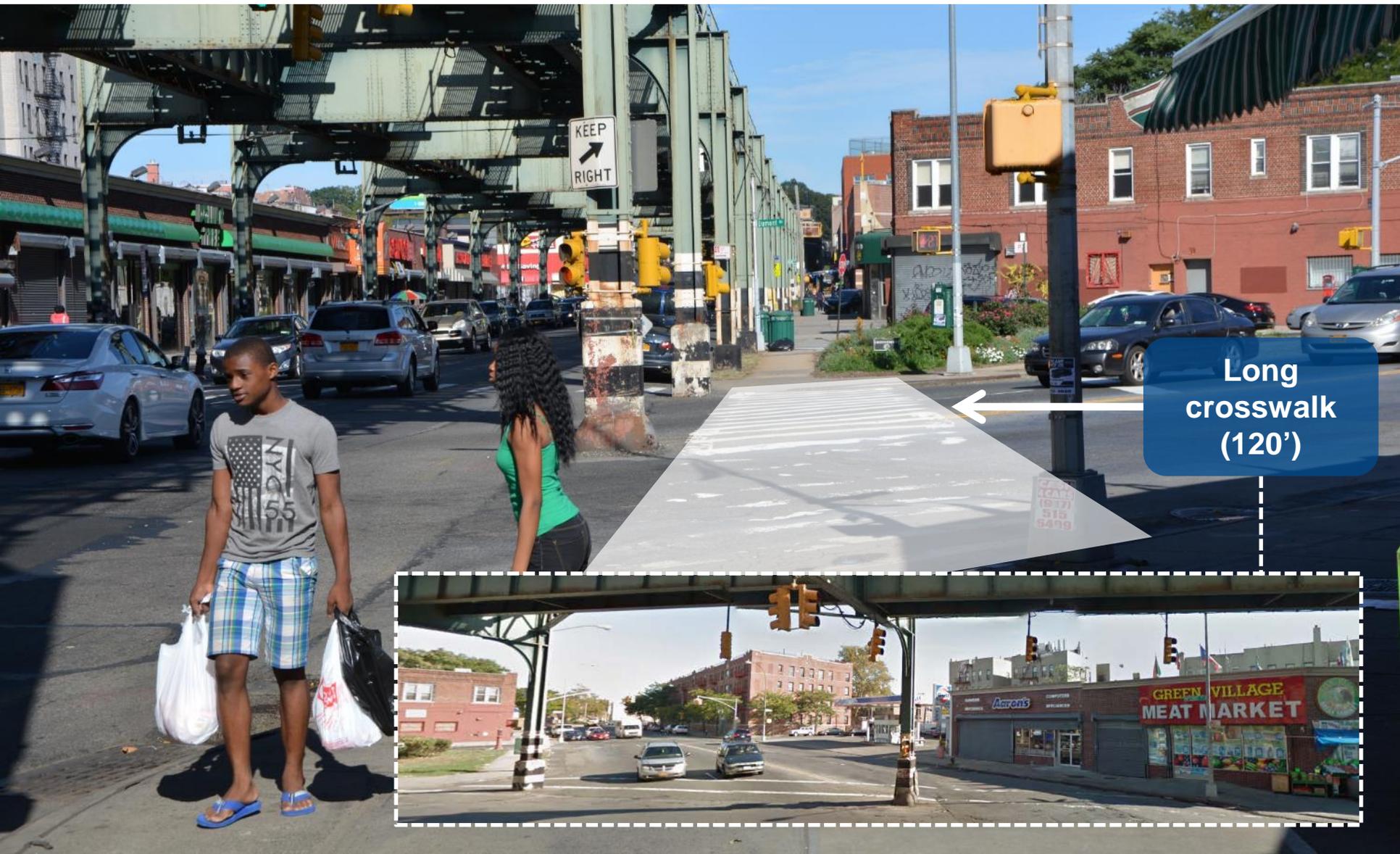
# PROPOSED LARGE PAINTED CURB EXTENSION AND CROSSWALK: E 98 ST AND UNION ST



Painted curb extension normalizes skewed intersection and shortens crosswalk

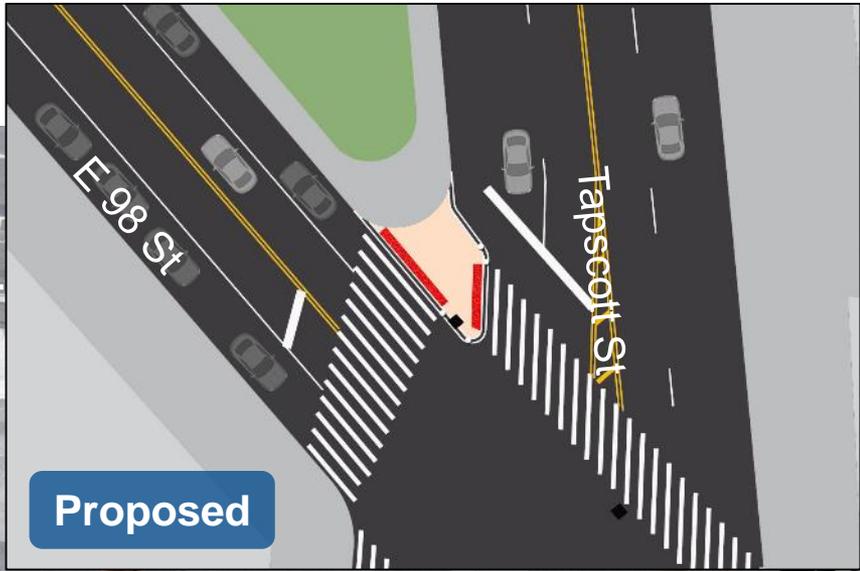
Example: North Flatbush Ave, Brooklyn

# EXISTING CONDITIONS: E 98 ST AND TAPSCOTT ST



# PROPOSED PAINTED CURB EXTENSION : E 98 ST AND TAPSCOTT ST

Painted curb extension  
normalizes skewed  
intersection and shortens  
crosswalk

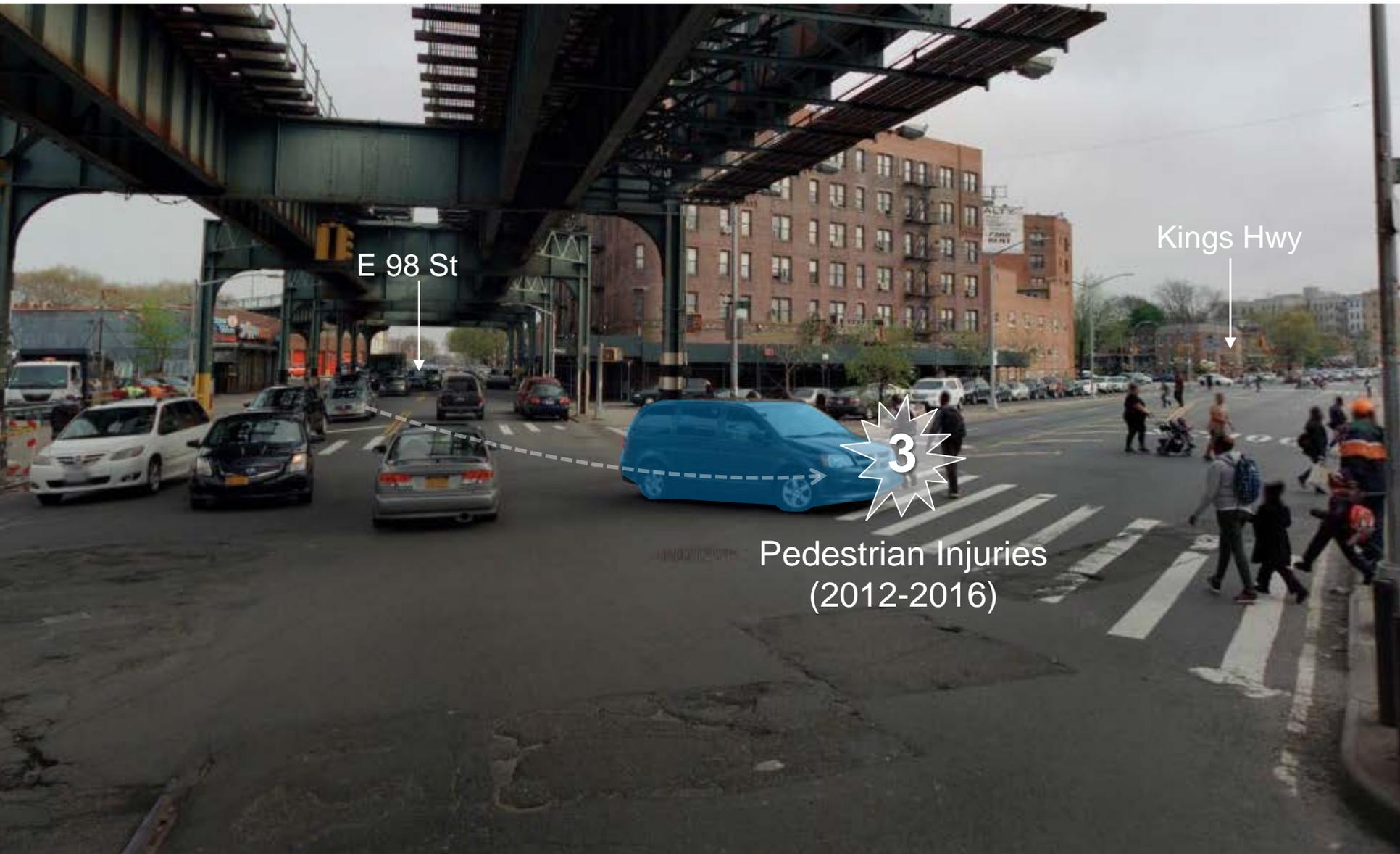


Example:  
3rd Ave at 86th St (MN)

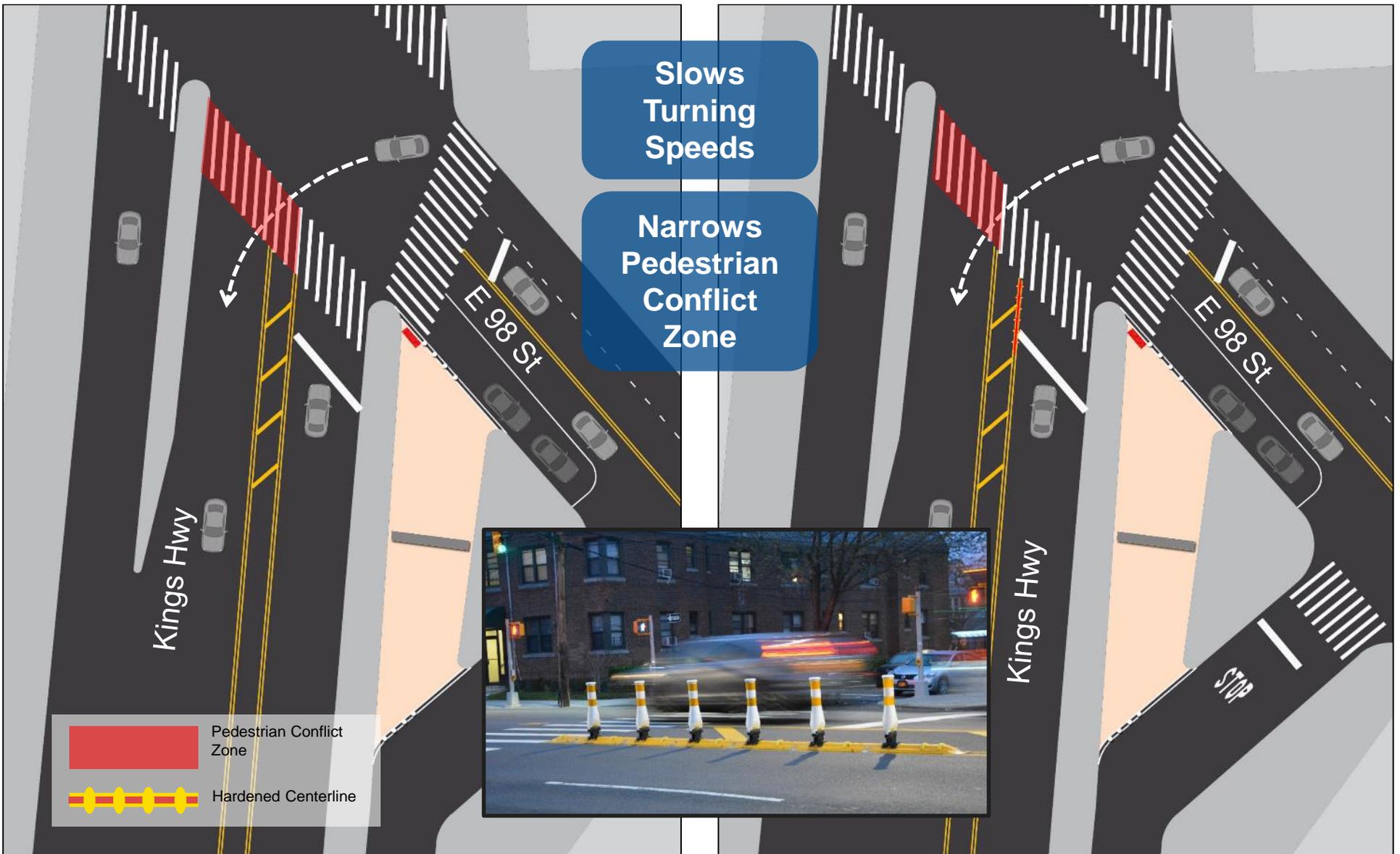
# PROPOSED TURN BAN FOR ALL VEHICLES: E 98 ST AND TAPSCOTT ST



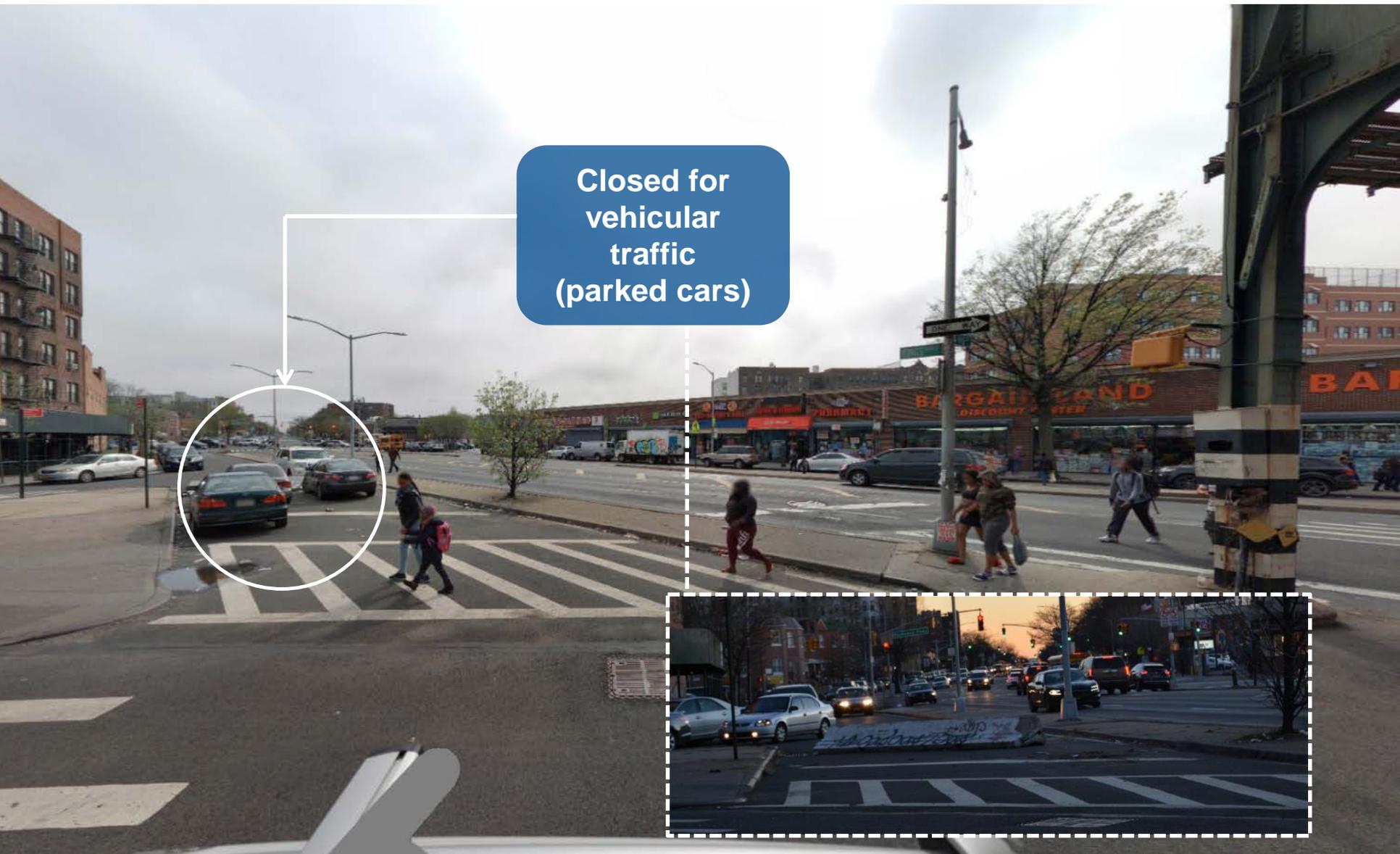
# LEFT TURN PEDESTRIAN INJURIES: E 98 ST AND KINGS HIGHWAY



# PROPOSED HARDENED CENTERLINE: E 98 ST AND KINGS HIGHWAY



# EXISTING CONDITIONS: E 98 ST AND KINGS HIGHWAY

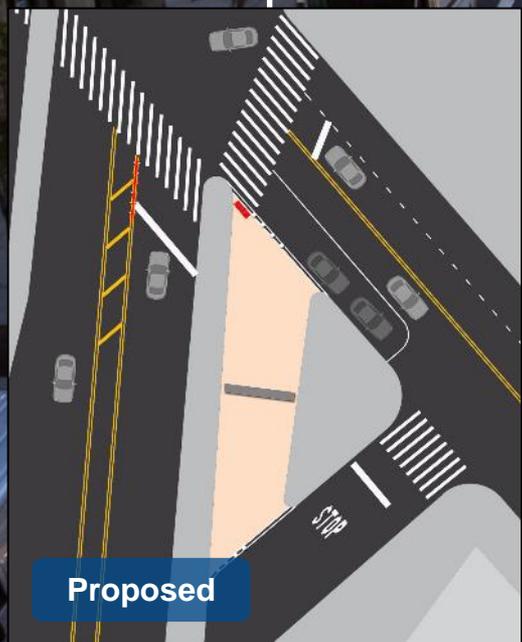


Closed for vehicular traffic (parked cars)

# PROPOSED PAINTED SLIP CLOSURE: E 98 ST AND KINGS HIGHWAY

*Example:  
6<sup>th</sup> Avenue and Washington Square  
Manhattan*

**Painted slip closure  
increases pedestrian safety**



# PRIOR CONDITIONS: E 98 ST AND LIVONIA AVE + HOWARD AVE



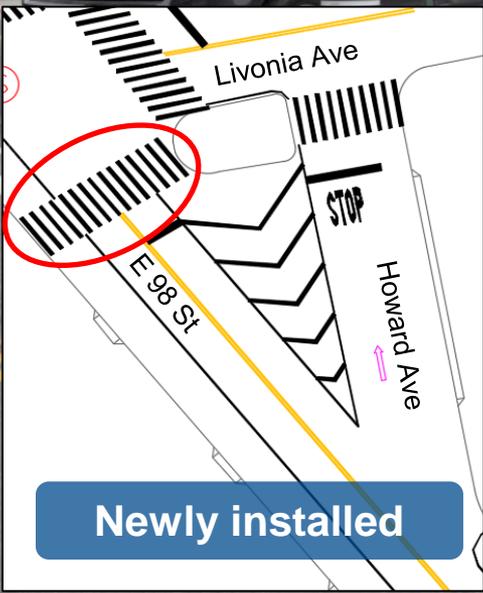
# PRIOR CONDITIONS: E 98 ST AND LIVONIA AVE + HOWARD AVE



No marked crossing for pedestrians

*E 98 St and Howard Ave, facing northwest*

# NEW SIGNALIZED CROSSWALK: E 98 ST AND LIVONIA AVE + HOWARD AVE



Example:  
E 98 St and Ralph Ave

# EXISTING CONDITIONS: E 98 ST AND GRAFTON ST + RIVERDALE AVE



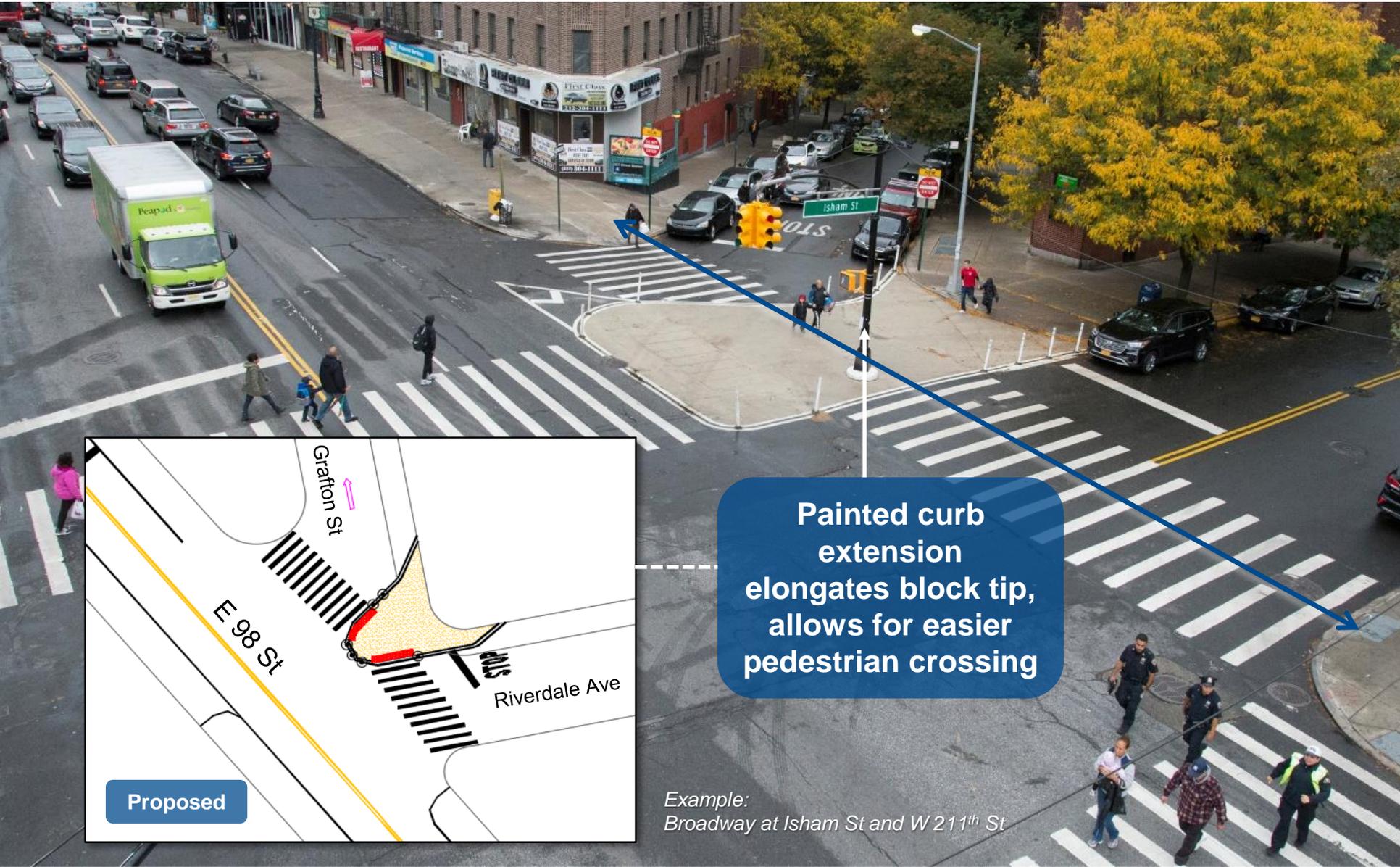
Missing crosswalk

E 98 St

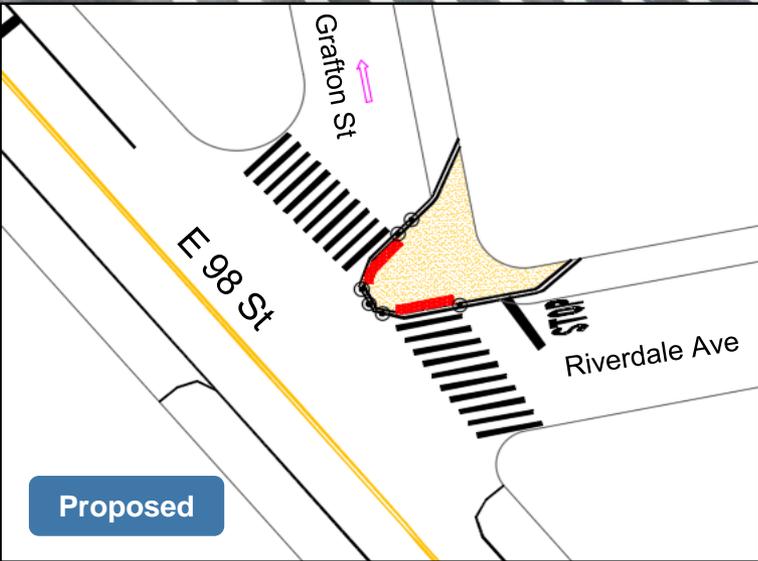
Grafton St

Riverdale Ave

# PROPOSED PAINTED CURB EXTENSION AND CROSSWALKS: E 98 ST AND GRAFTON ST + RIVERDALE AVE

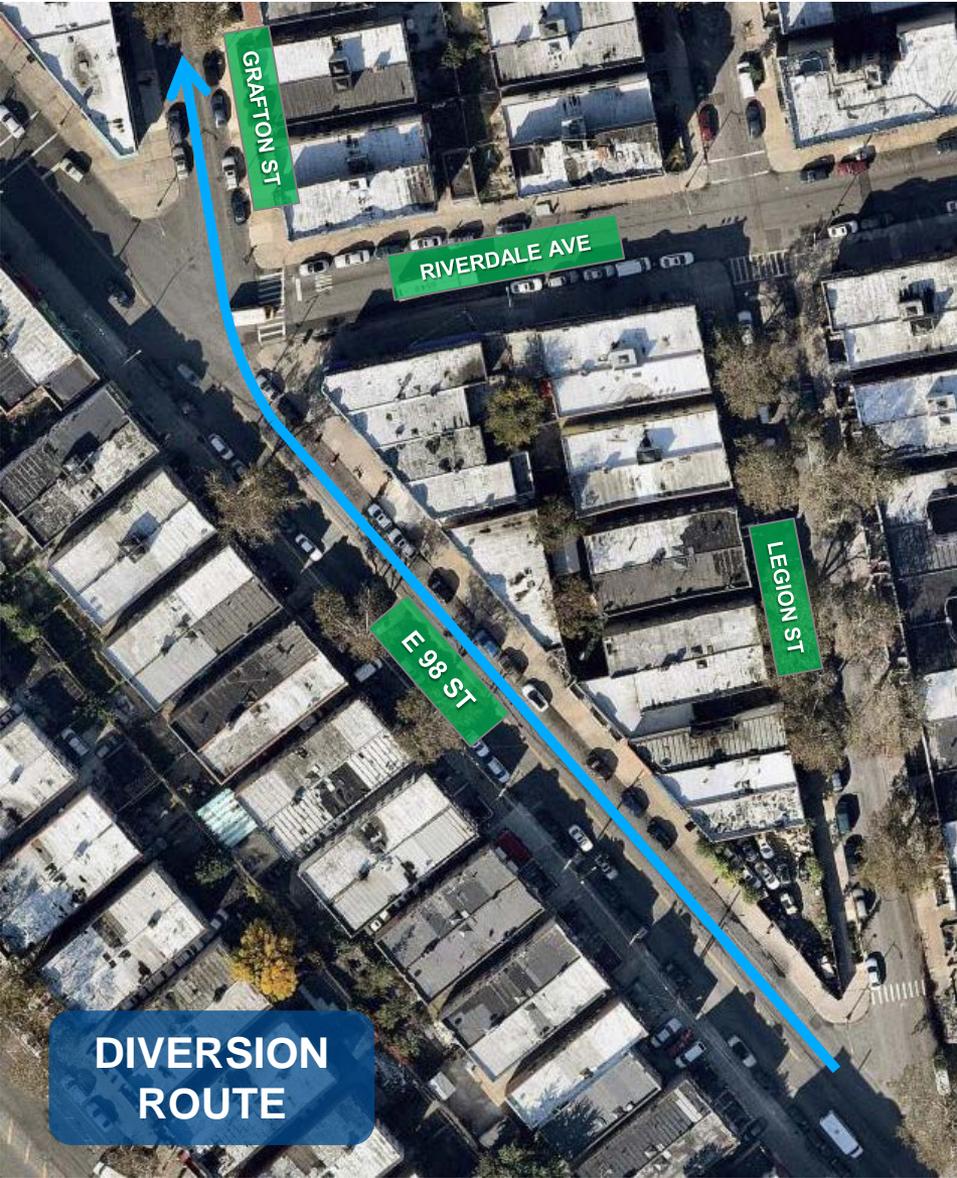
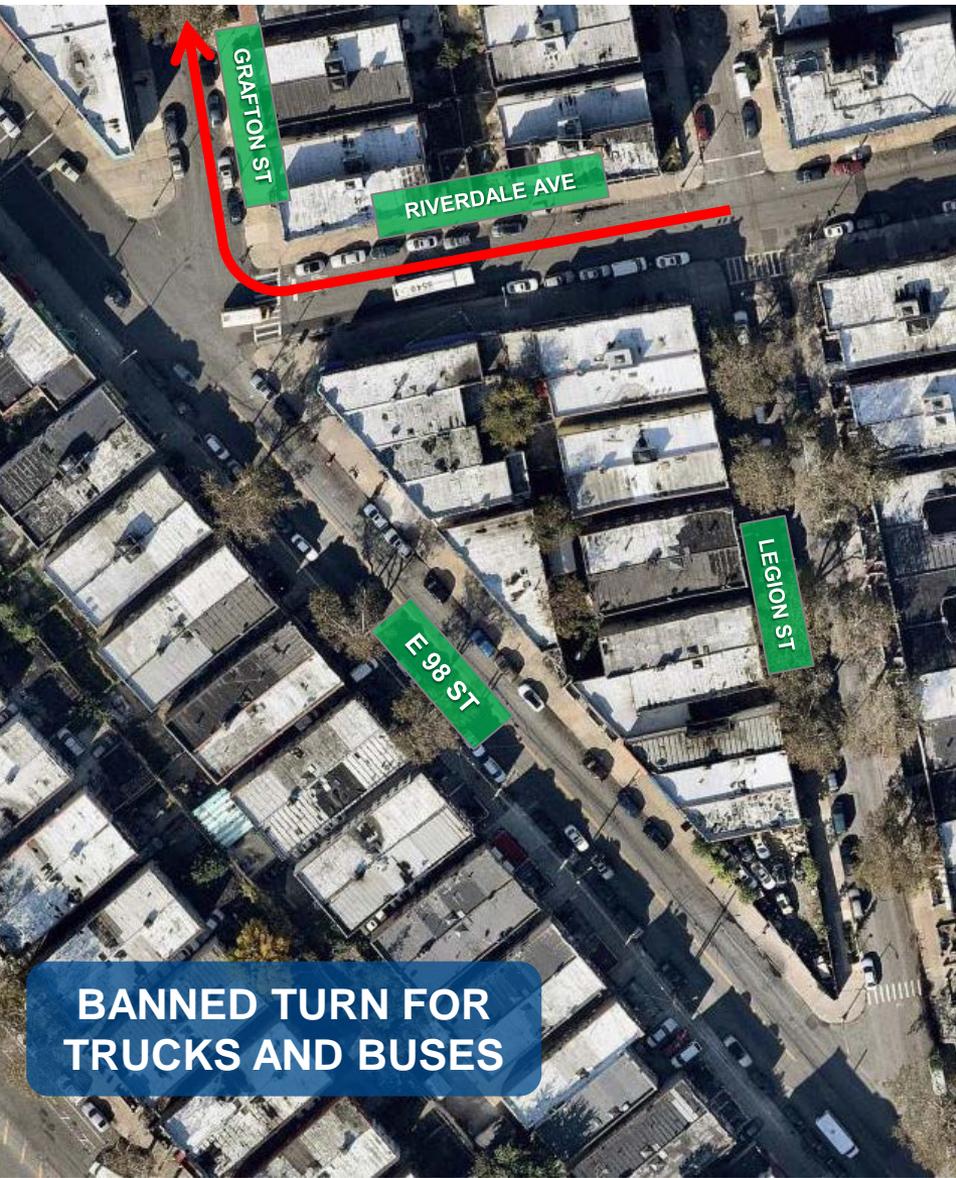


Painted curb extension  
elongates block tip,  
allows for easier  
pedestrian crossing

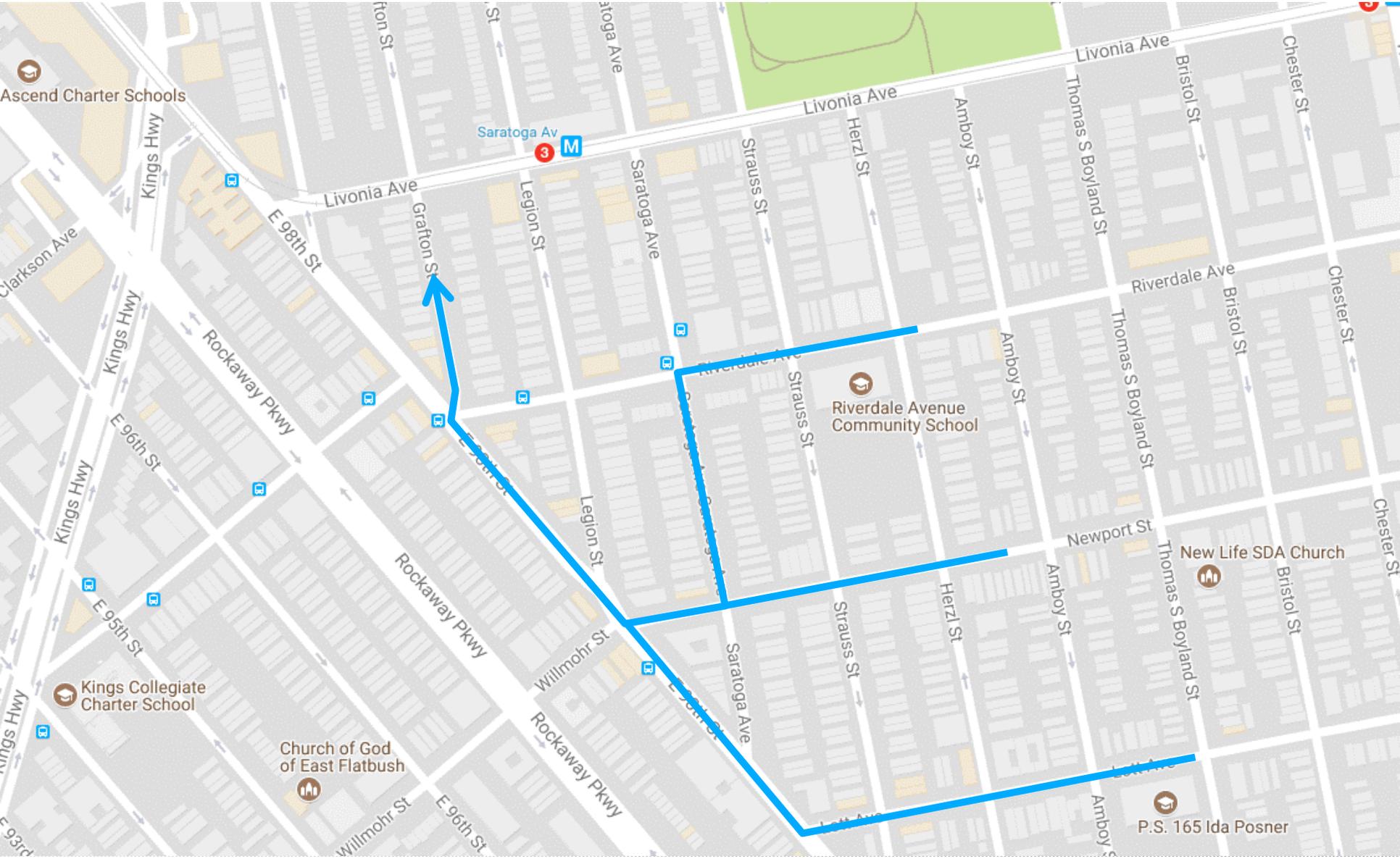


Example:  
Broadway at Isham St and W 211<sup>th</sup> St

# PROPOSED TURN BAN FOR LARGE TRUCKS & BUSES: E 98 ST AND GRAFTON ST + RIVERDALE AVE



# PROPOSED DIVERSION FOR LARGE TRUCKS & BUSES: E 98 ST AND GRAFTON ST + RIVERDALE AVE



# PROPOSED DAYLIGHTING: E 98 ST AND LEGION ST



**Add new crosswalk along east side of East 98<sup>th</sup> St**

**Remove parking spot and install No Standing Anytime regulation to improve visibility for turning vehicles**

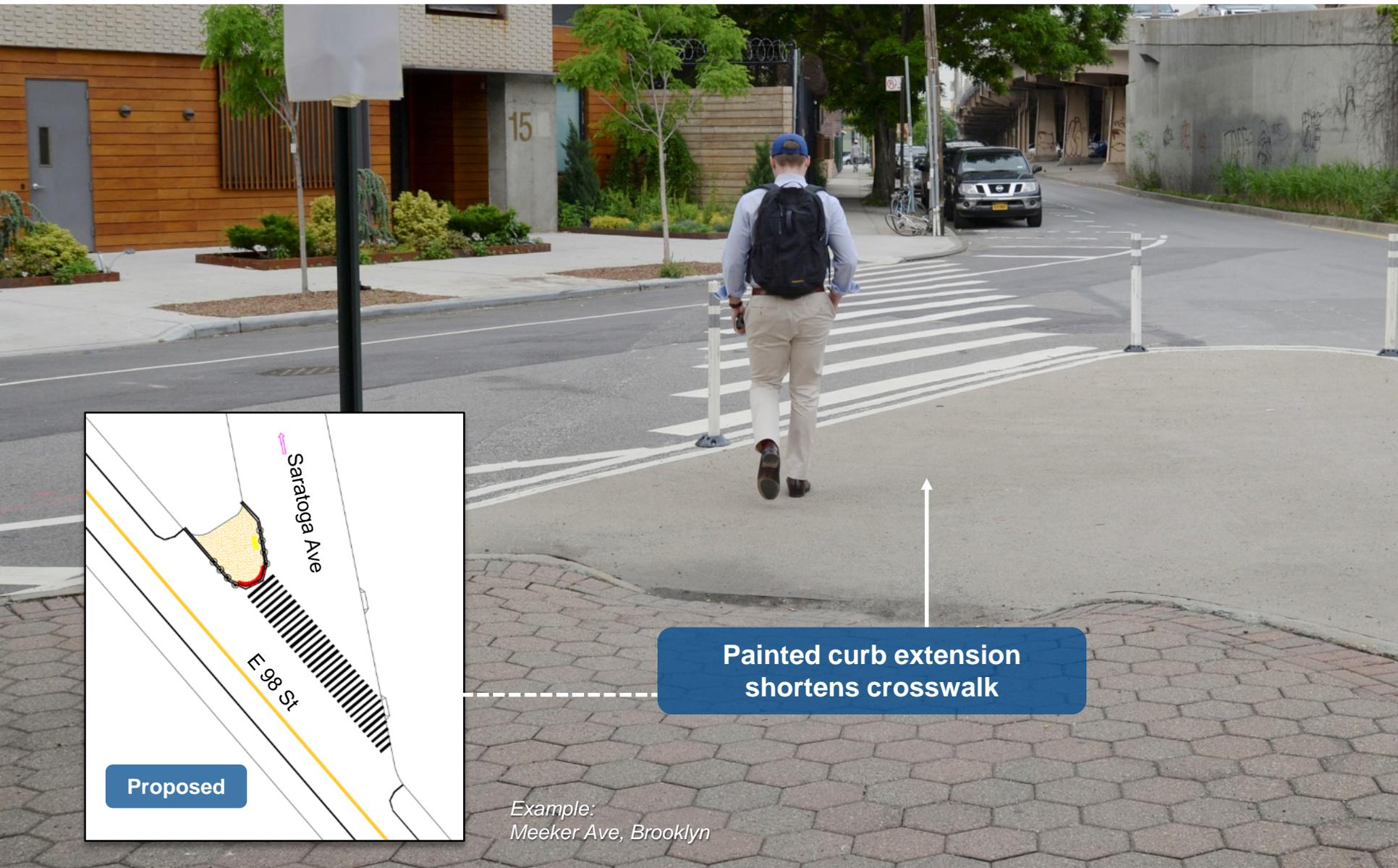
# EXISTING CONDITIONS: E 98 ST AND SARATOGA AVE



Long crosswalk (130')

Illegally parked vehicles

# PROPOSED PAINTED CURB EXTENSION: E 98 ST AND SARATOGA AVE



Painted curb extension shortens crosswalk

Example:  
Meeker Ave, Brooklyn

# EXISTING CONDITIONS: E 98 ST AND STRAUSS ST



Skewed intersection with long crosswalk and poor visibility



100 ft. long crosswalk

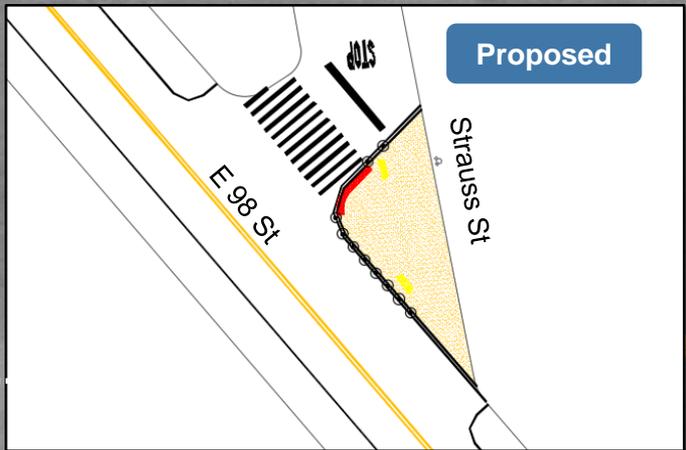


# PROPOSED PAINTED CURB EXTENSION: E 98 ST AND STRAUSS ST



**Painted curb extension  
normalizes skewed  
intersection and shortens  
crosswalk from 100 ft to 35 ft**

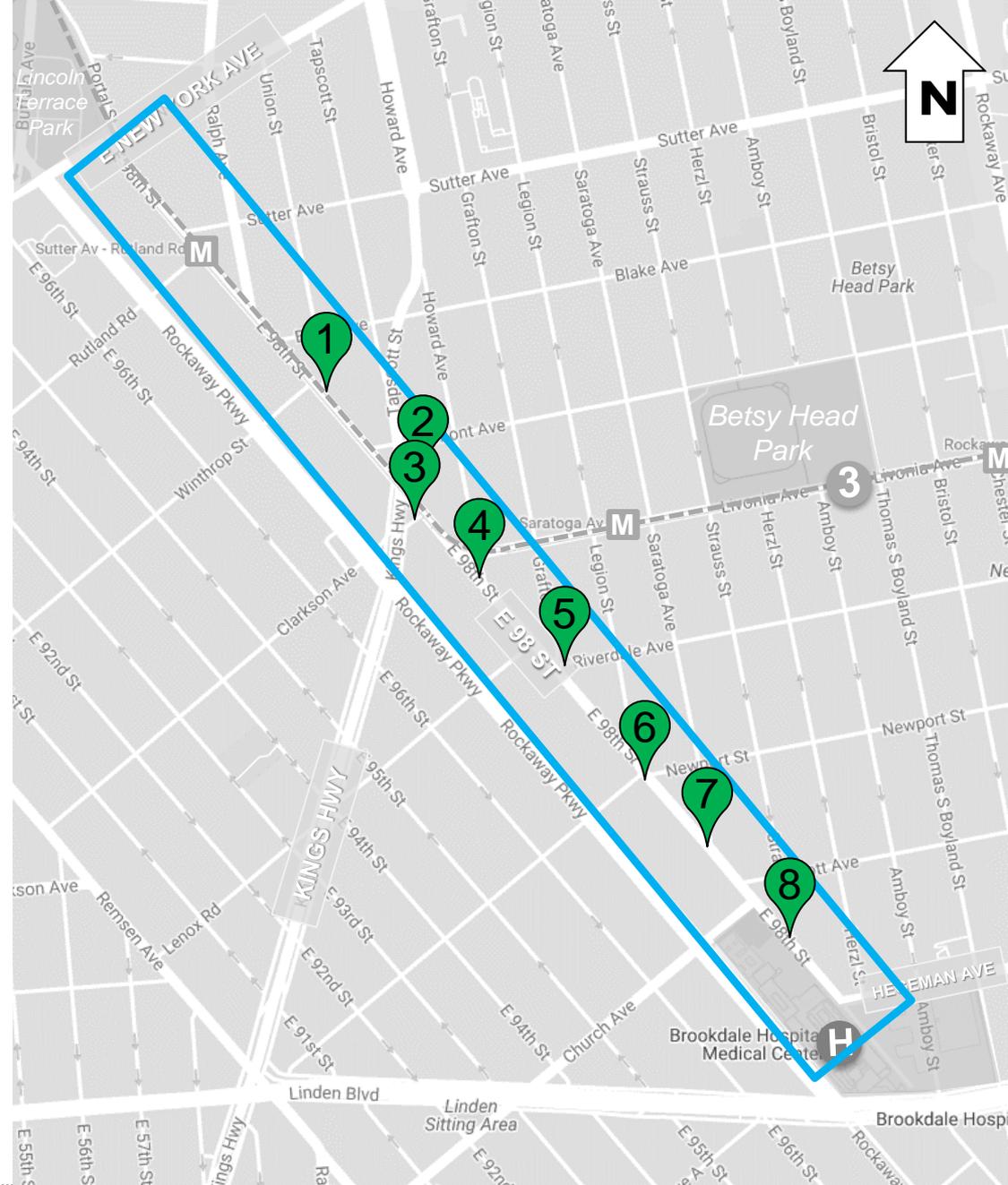
*Example:  
Longwood Ave, Bronx*



# SUMMARY OF PROPOSALS

## E 98 St: E New York Ave to Hegeman Ave

1. Union St: Large Painted Curb Extension and New Crosswalk
2. Tapscott St: Painted Curb Extension
3. Kings Hwy: Slip Closure and Hardened Centerline in South Leg
4. Livonia Ave: New Signalized Crosswalk (already installed)
5. Grafton St + Riverdale Ave: Painted Curb Extension and New Crosswalks
6. Legion St: Daylighting and New Crosswalk
7. Saratoga Ave: Painted Curb Extension
8. Strauss St: Large Painted Curb Extension



# THANK YOU!

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