

# Neptune Ave (Stillwell Ave to W 25<sup>th</sup> St)

## Corridor Safety Improvements

2015

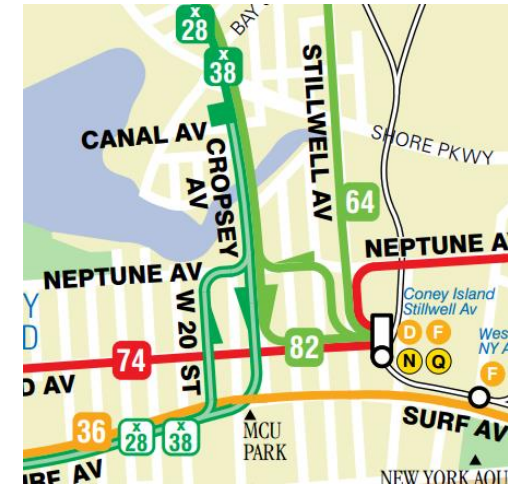
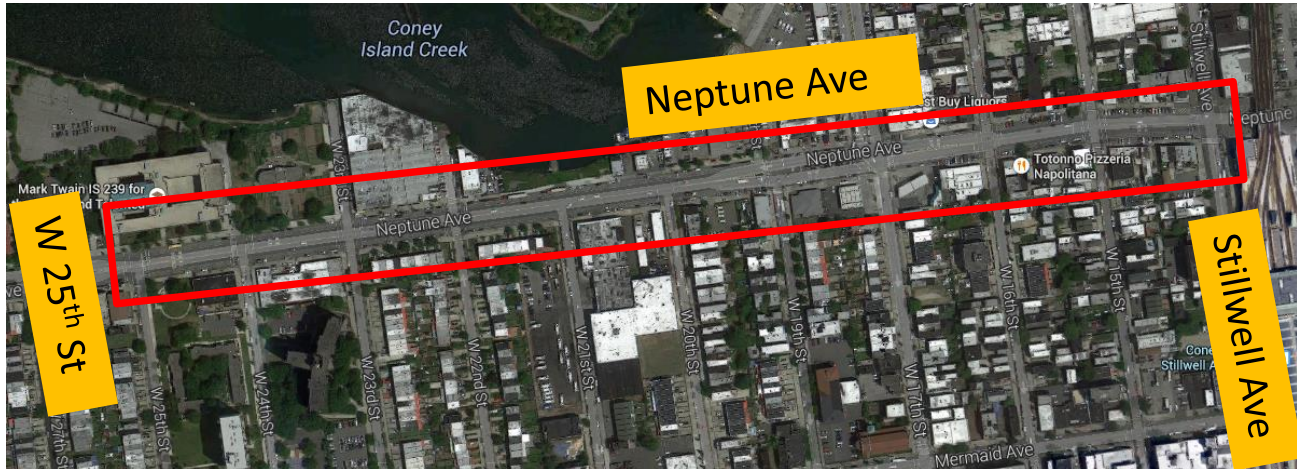


New York City Department of Transportation  
Presented by Office of Research, Implementation and Safety on May 27, 2015 to Brooklyn CB13



# Project Location

- D/F/N/Q subway stop at Stillwell Ave
- B82, Bx28 and Bx38 buses
- Mark Twain IS 239 located at W 24<sup>th</sup>/W 25<sup>th</sup> Sts
- Local Truck route (east of Cropsey Ave/ W 17<sup>th</sup> St only)

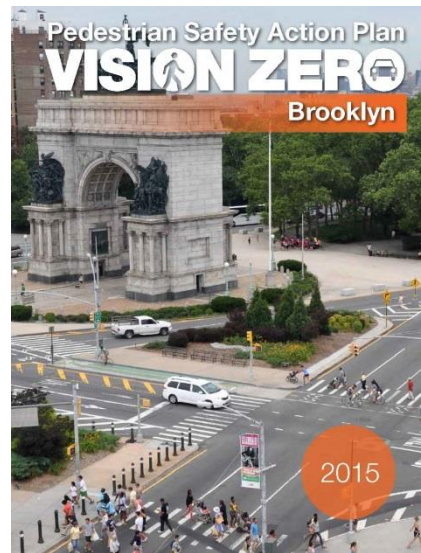




# Why Neptune Ave? Vision Zero Priority Corridor

## 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
  - **Neptune Ave** identified as a Priority Corridor for Brooklyn



Brooklyn Priority Map



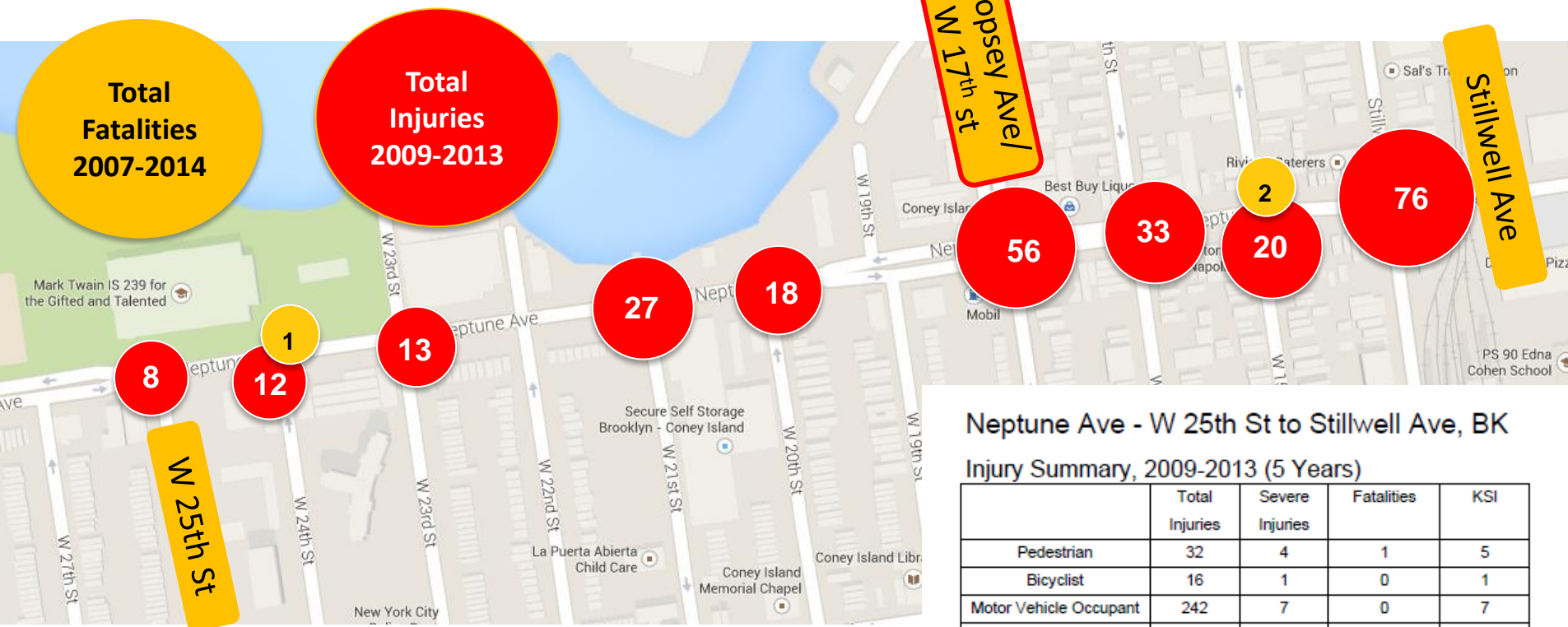
For the complete plan:

<http://www.nyc.gov/html/dot/downloads/pdf/ped-safety-action-plan-brooklyn.pdf>

# Need: Why Neptune Ave?

- Vision Zero Priority

- Neptune Ave is a Vision Zero Priority Corridor
- Neptune Ave & Cropsey Ave/W 17<sup>th</sup> St is a **Priority Intersection**
- 3 pedestrian fatalities since 2007



**Total Fatalities 2007-2014**

**Total Injuries 2009-2013**

**Neptune Ave - W 25th St to Stillwell Ave, BK  
Injury Summary, 2009-2013 (5 Years)**

	Total Injuries	Severe Injuries	Fatalities	KSI
Pedestrian	32	4	1	5
Bicyclist	16	1	0	1
Motor Vehicle Occupant	242	7	0	7
<b>Total</b>	<b>290</b>	<b>12</b>	<b>1</b>	<b>13</b>

# Project Timeline

## January

- Presented preliminary plan to representatives from CB 13, FDNY, NYPD 60<sup>th</sup> Precinct, Sanitation and Alliance for Coney Island

## March

- Incorporated CB13 request to remove island at W 19th St and relieve eastbound congestion approaching Cropsey Ave
- Met with Principal Ditolla of IS 239/Mark Twain – supported plan

## April

- Met with Councilman Treyger - supported plan
- Presented to CB 13 Transportation Committee – supported plan



**School dismissal  
time at IS 239/  
Mark Twain**

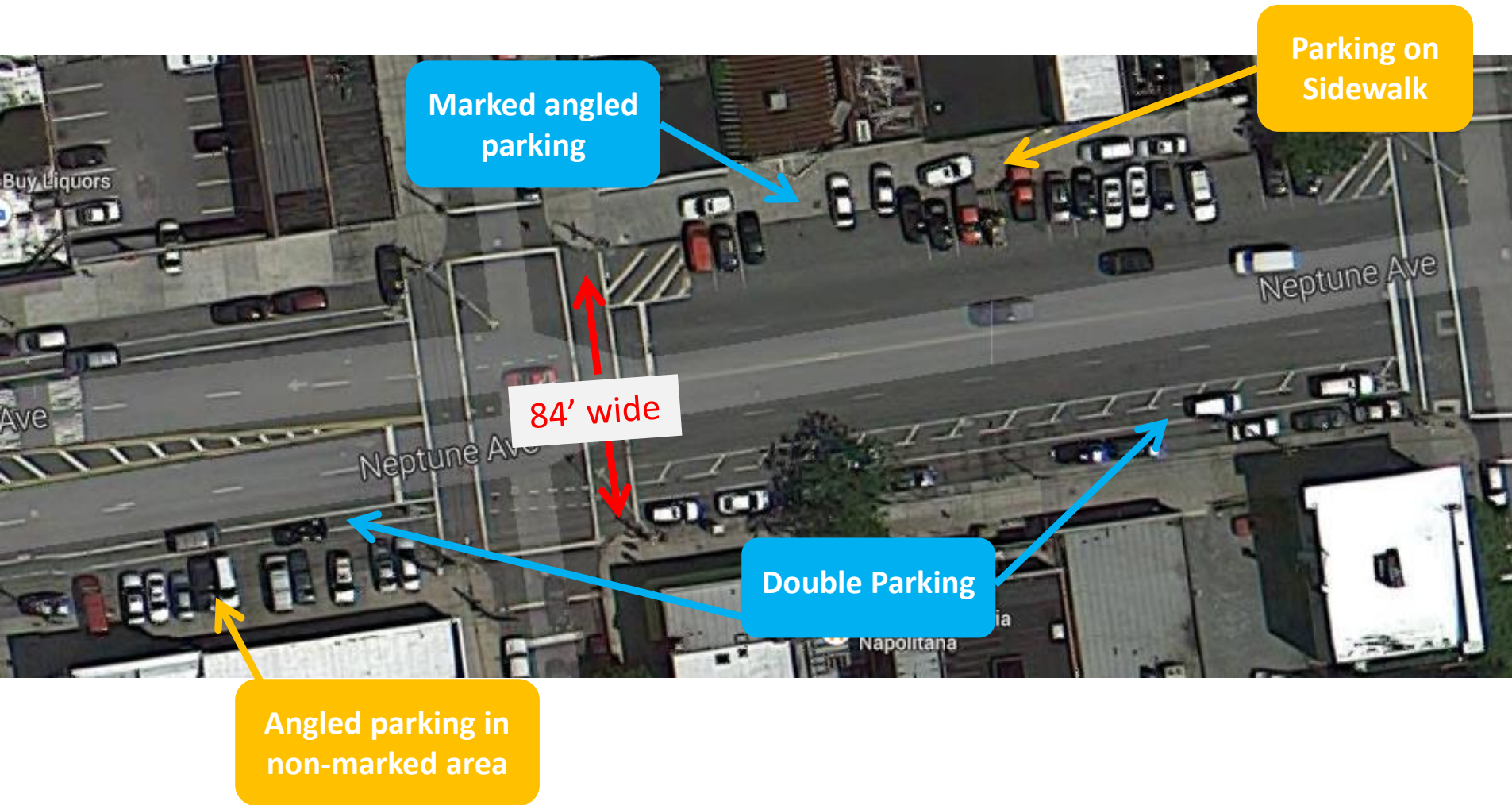


# Existing Conditions

- 84 foot wide East/West arterial street
- Two lanes in each direction and a bike lane
- Existing concrete median west of W 25<sup>th</sup> St
- Long crossing distances for pedestrians
- Irregular/confusing markings
- Double parking and parking on sidewalk

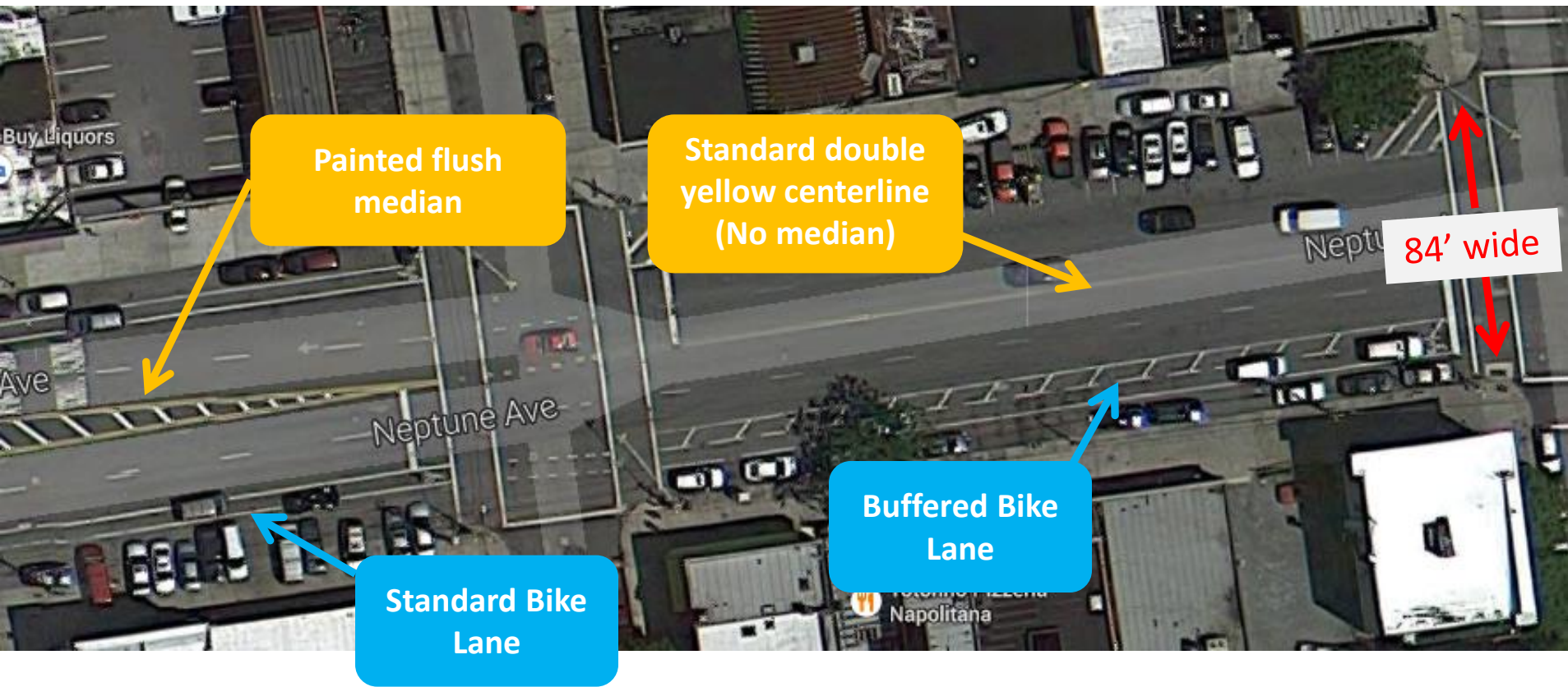


# Existing Conditions: Parking



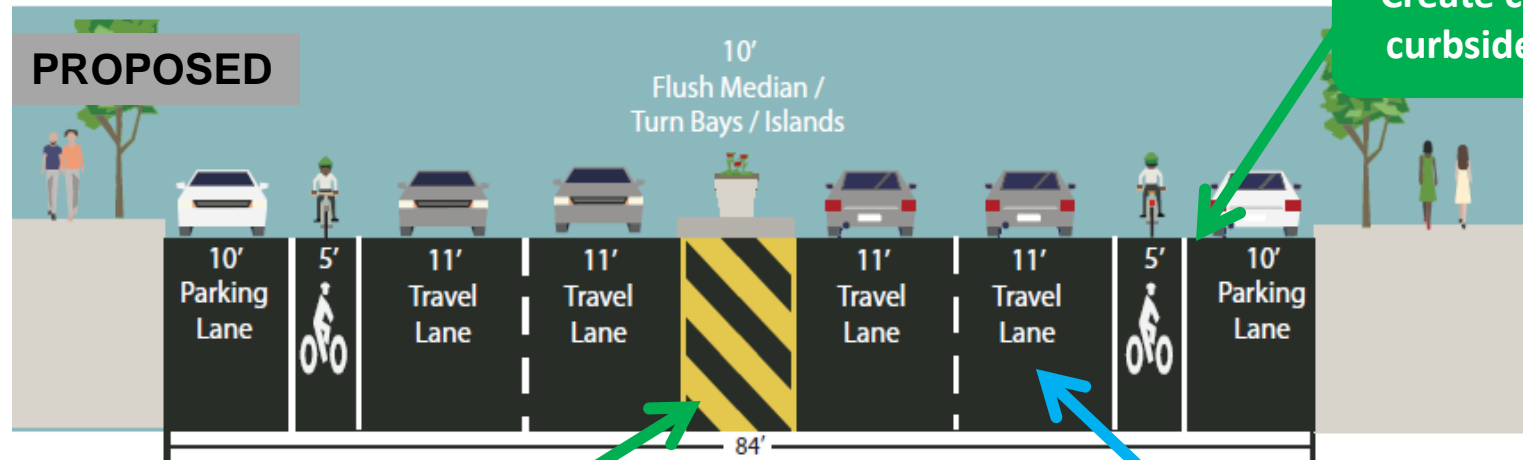
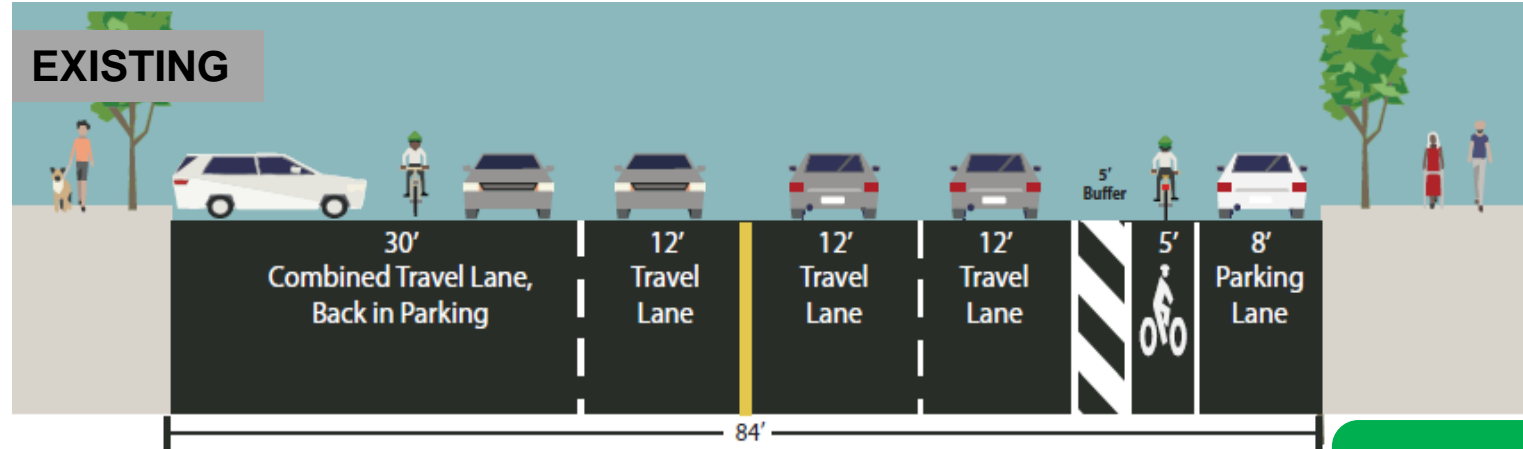


# Existing Conditions: Markings





# Proposal: Stillwell Ave to W 25th St



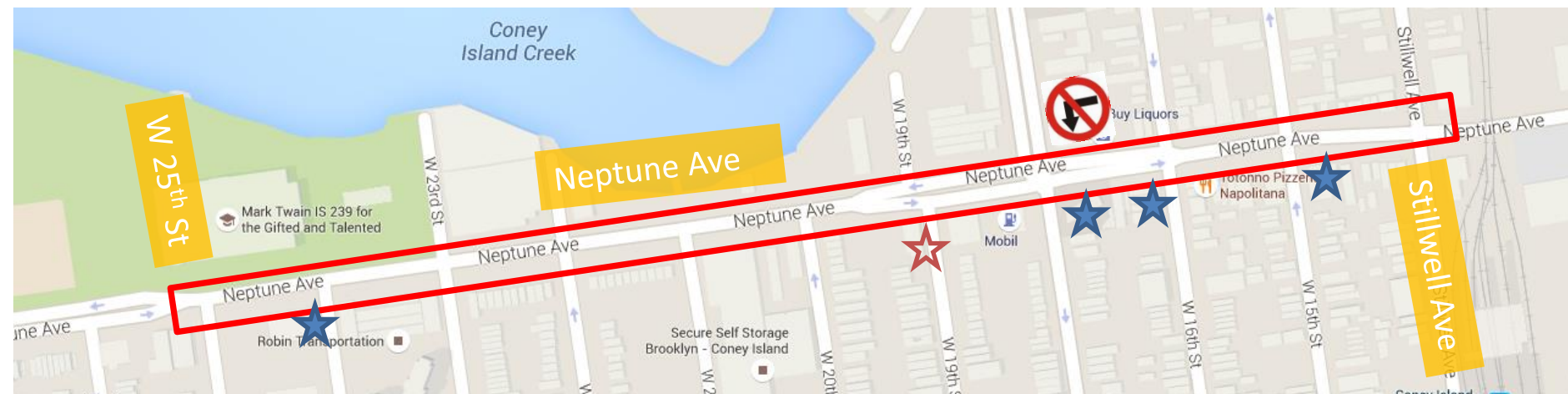
Create consistent curbside parking

Install 10' flush median with islands and left turn bays

Maintain two lanes in each direction

# Proposed: Stillwell Ave to W 25th St

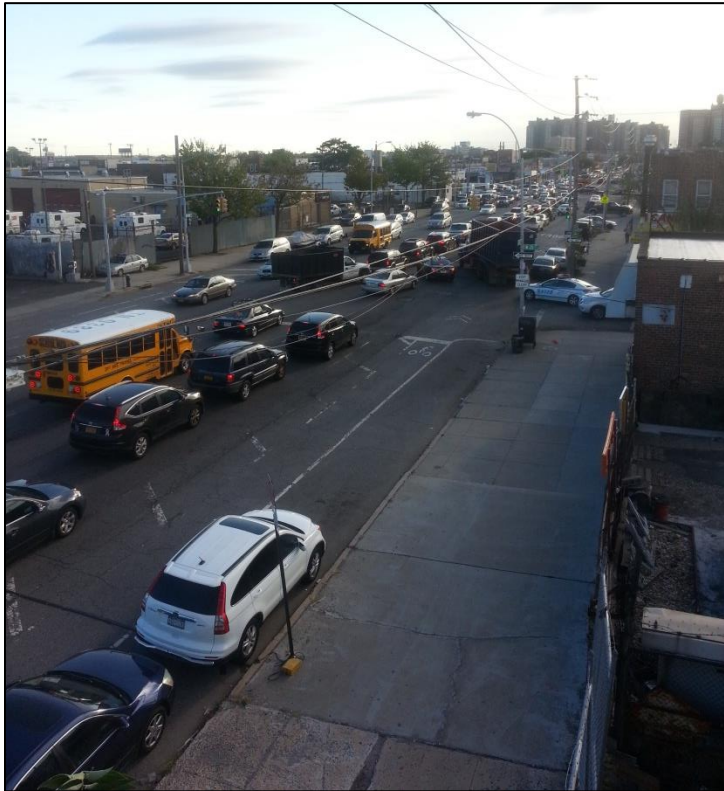
- Install painted flush center median with 5 left turn bays
- Install 4 pedestrian refuge islands
  - W 24<sup>th</sup> St, Cropsey Ave/W 17<sup>th</sup> St, W 16<sup>th</sup> St & W 15<sup>th</sup> St ★
  - Ban westbound left turn from Neptune Ave to W 17<sup>th</sup> St 🚫
- Relieve congestion and add eastbound left turn storage approaching Cropsey Ave by removing 1 existing pedestrian island at W 19<sup>th</sup> St ☆
- Clarify parallel parking regulations throughout corridor





# Relieve EB Congestion

- DOT is incorporating CB13's request to remove the island at W 19<sup>th</sup> St in order to create more storage for the eastbound left turn to northbound Cropsey



AM Congestion: Courtesy of DSNY BK 13



Island at W 19<sup>th</sup> St

# Existing: Neptune at Cropsey



Heavy turns conflict with pedestrians in west crosswalk

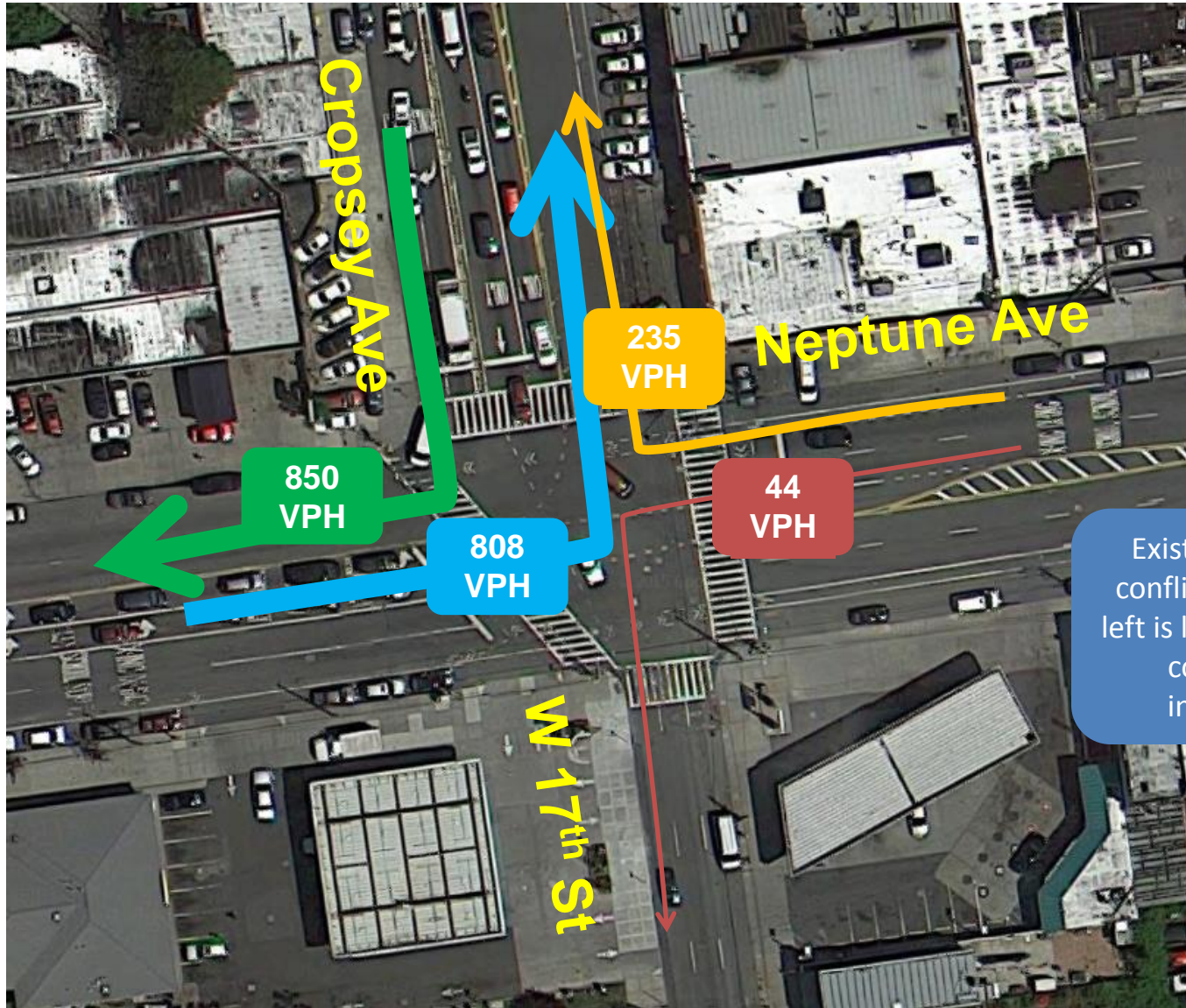


Few westbound left turners, opposite heavy eastbound left



# Existing: Neptune at Cropsey

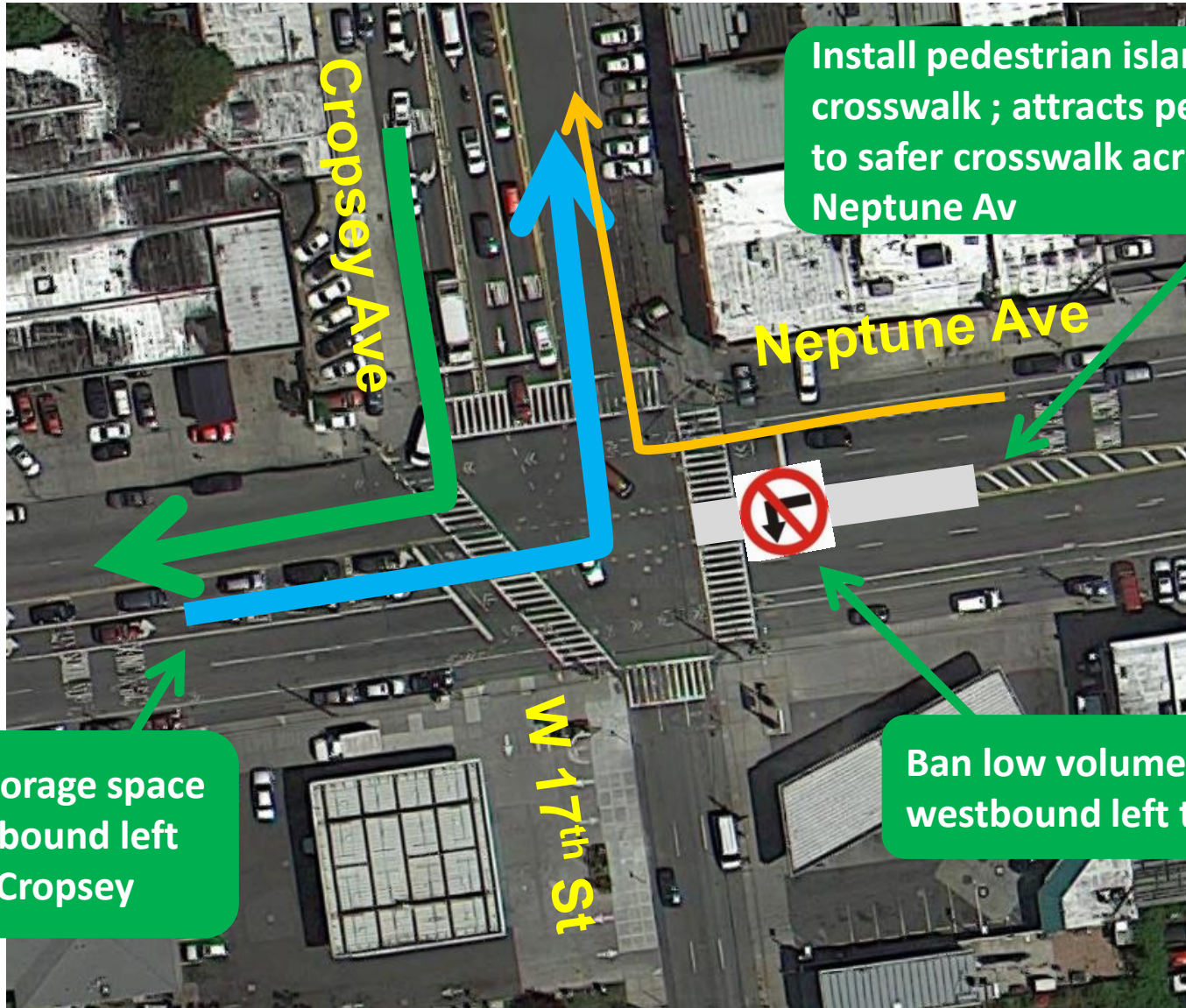
## PM Peak Hour Volumes



Existing left turns conflict; westbound left is low volume and complicates intersection

# Proposed: Neptune at Cropsey

PM Peak Hour Volumes



Install pedestrian island in east crosswalk ; attracts pedestrians to safer crosswalk across Neptune Av

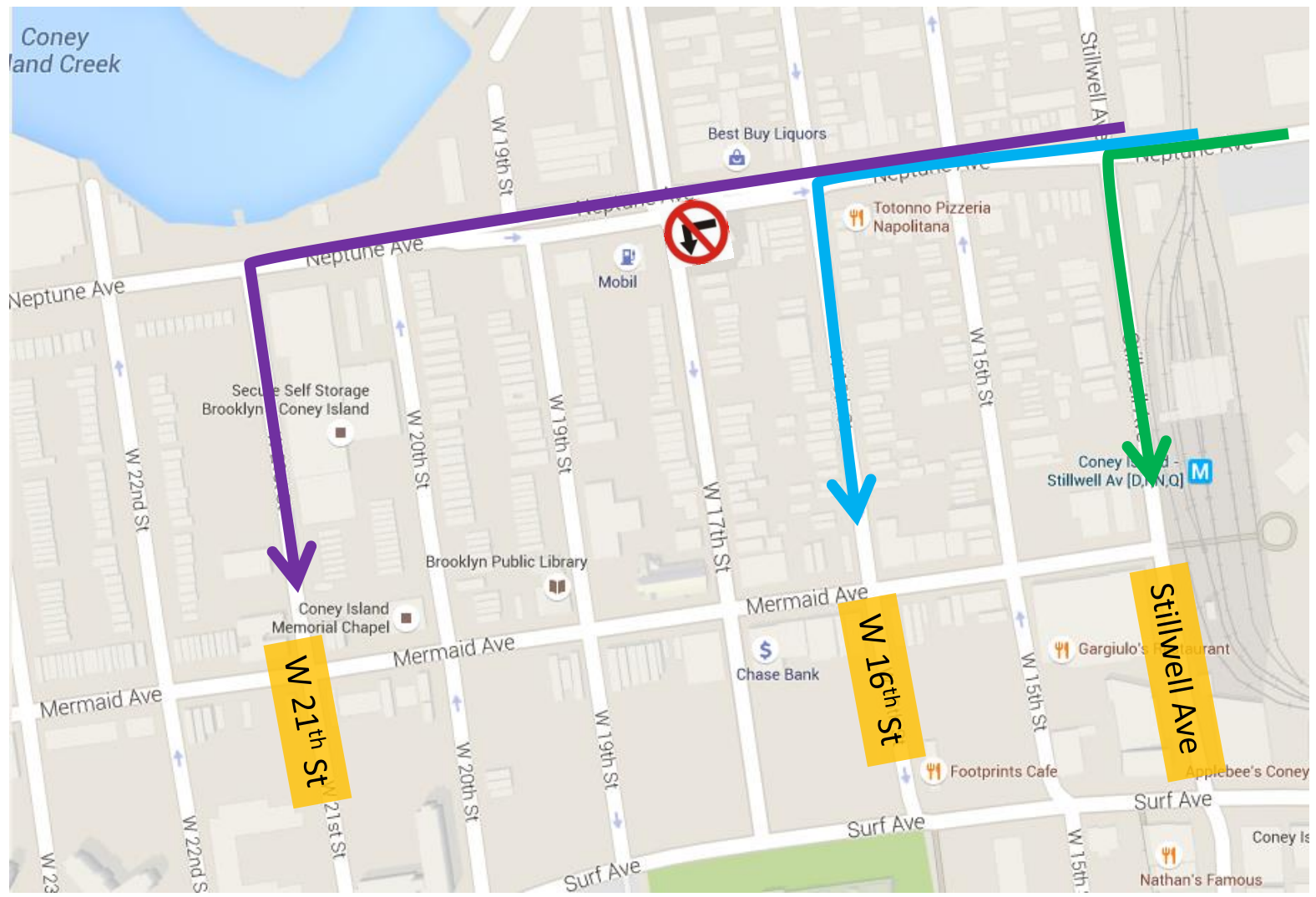
More storage space for eastbound left turn to Cropsey

Ban low volume westbound left turn



# Proposed: Neptune at Cropsey

## Alternate Routes



# 4 Pedestrian Islands

- Refuge Islands proposed: at W 15<sup>th</sup>, W 16<sup>th</sup>, W 17<sup>th</sup>, and W 24<sup>th</sup> Sts
- Treatment shown to reduce pedestrian crashes by 46% and motor vehicle crashes by up to 39%\*

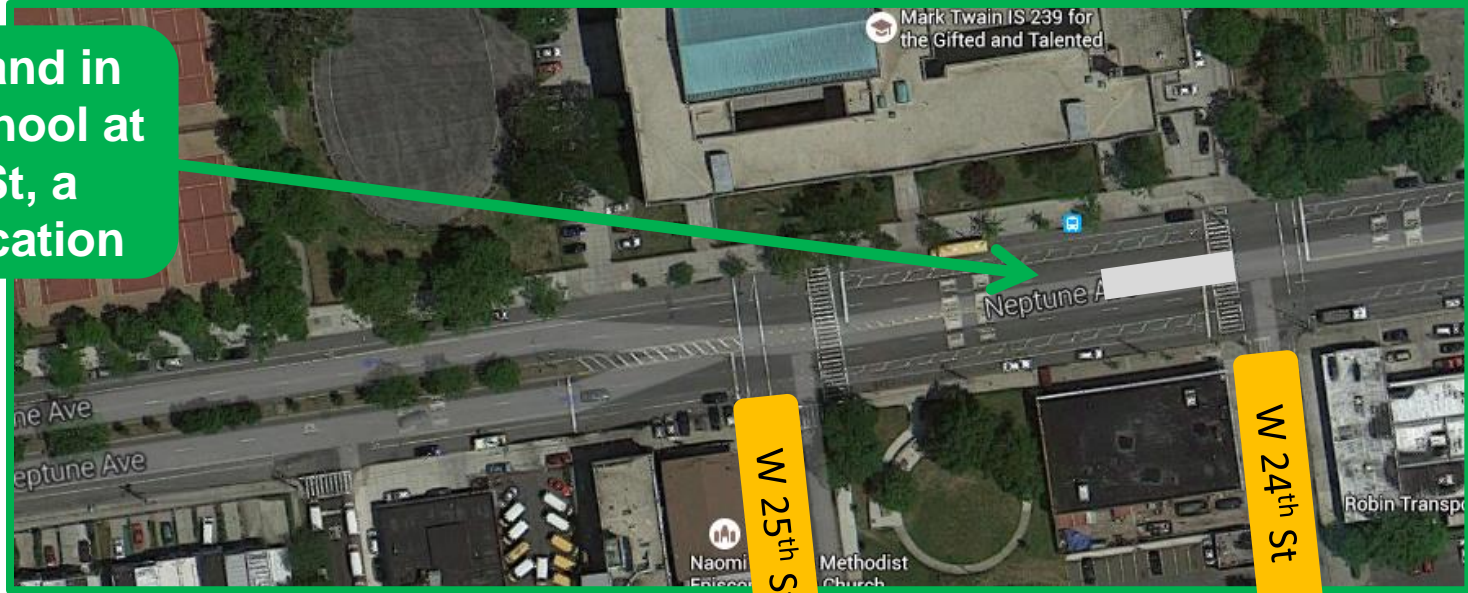


\*US FHWA, 2011

Example: Northern Blvd at 61<sup>st</sup> St, Queens

# Proposed: Mark Twain IS 239

Install island in front of school at W 24<sup>th</sup> St, a fatality location

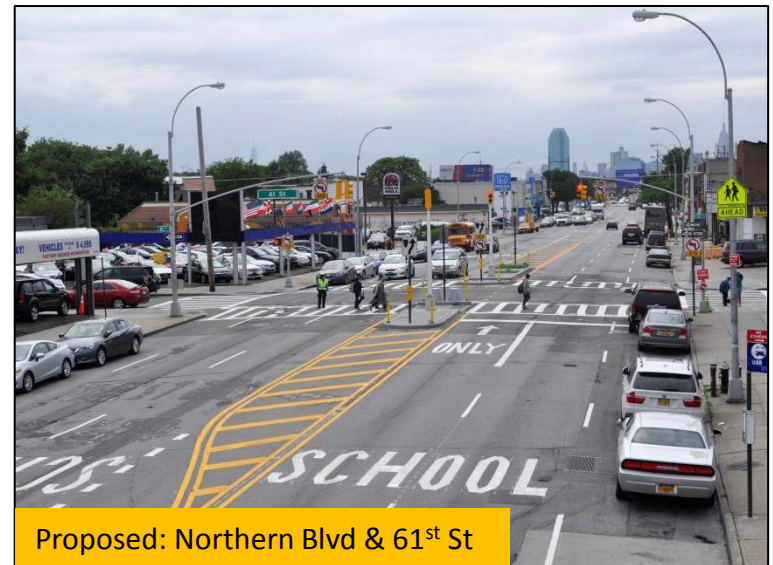


Example: Northern Blvd at 61<sup>st</sup> St, Queens



# Project Benefits

- Reduces congestion , better organizes traffic, allows simpler, safer left turns
  - Consistent 10' flush median design with turn bays
  - Adds storage for EB left turn to Cropsey Ave
  - Clarified, consistent parking regulations
- Shortens crossing distances, provides pedestrian refuge space
  - 4 new pedestrian islands at fatality and priority locations





Questions?

Thank  
You

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

