

Guider Ave at Coney Island Ave



2015

Background

- Request by Community and Councilmember Deutsch
- Walkthrough with DOT Commissioner – June 2014
- Presentation to CM Deutsch and Transportation Committees – Oct 14, 2014
- Walkthrough with CM Deutsch/community/committees – Nov 3, 2014

Primary Concerns



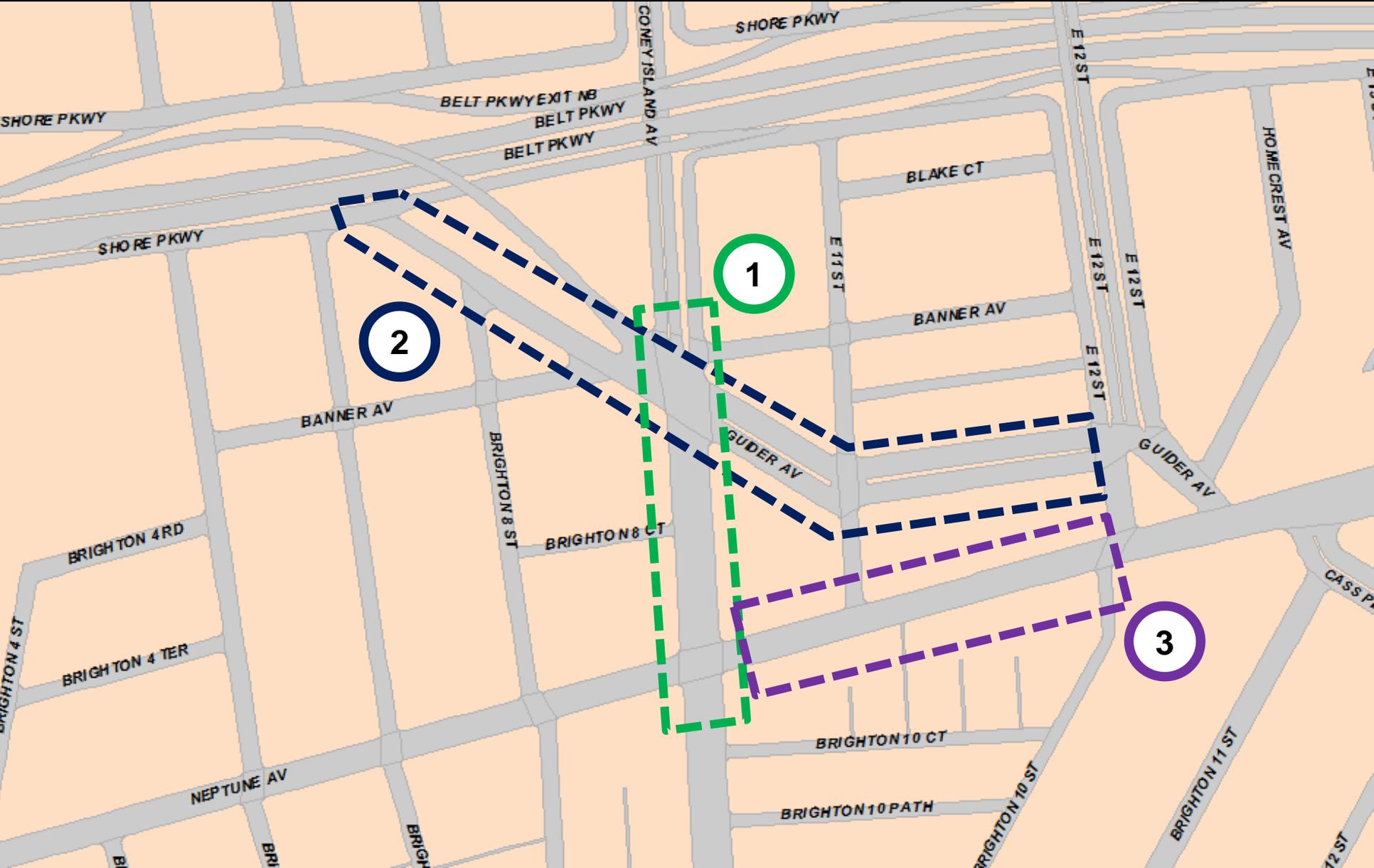
- Improve traffic processing of intersection (Transportation Committees and VZ Map)
- Lift Ban on U-turn from SB Coney Island (Transportation Committees)
- Add medians and pedestrian facilities across Coney Island (Walk-through)
- Add pedestrian facilities to E 11th St and Guider (VZ Map and Walkthrough)
- Slow turn from Guider Ave to Brighton 8th St, exiting the Belt Parkway (VZ Map)

Rapid Response Toolkit

- Concrete Safety Islands
- Pavement markings
- Signal timing changes
- Signage



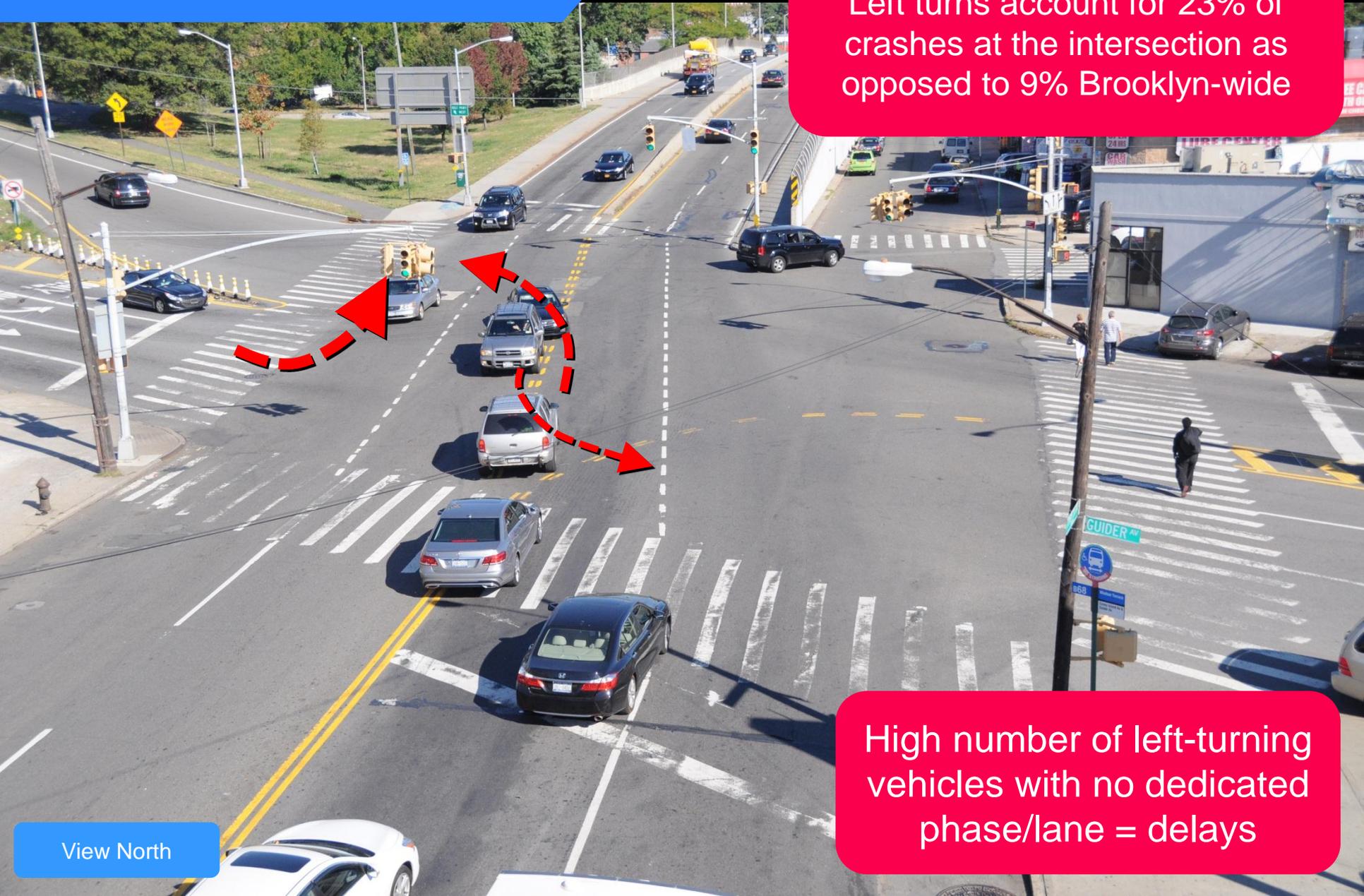
Project Location



Existing Conditions

Safety Data

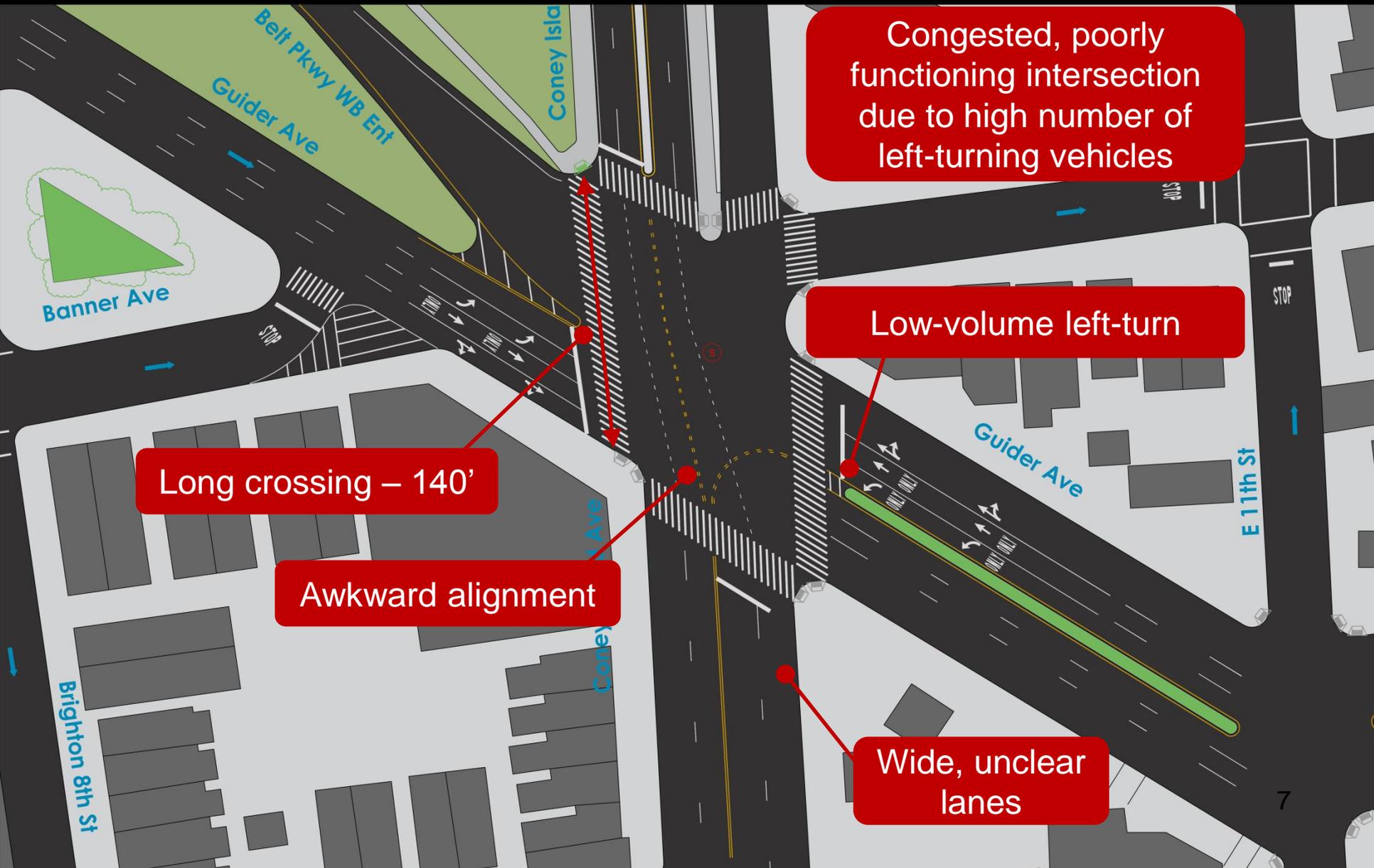
Left turns account for 23% of crashes at the intersection as opposed to 9% Brooklyn-wide



High number of left-turning vehicles with no dedicated phase/lane = delays

View North

Existing Conditions: Coney Island Ave



Congested, poorly functioning intersection due to high number of left-turning vehicles

Low-volume left-turn

Long crossing - 140'

Awkward alignment

Wide, unclear lanes

Proposed Plan at Coney Island Ave



Ban turns to improve intersection processing

Add additional parking

Additional greenery

Extend median

Consolidate bus stops to Neptune Ave

Add left turn lanes and protected signal phases

Align to bridge

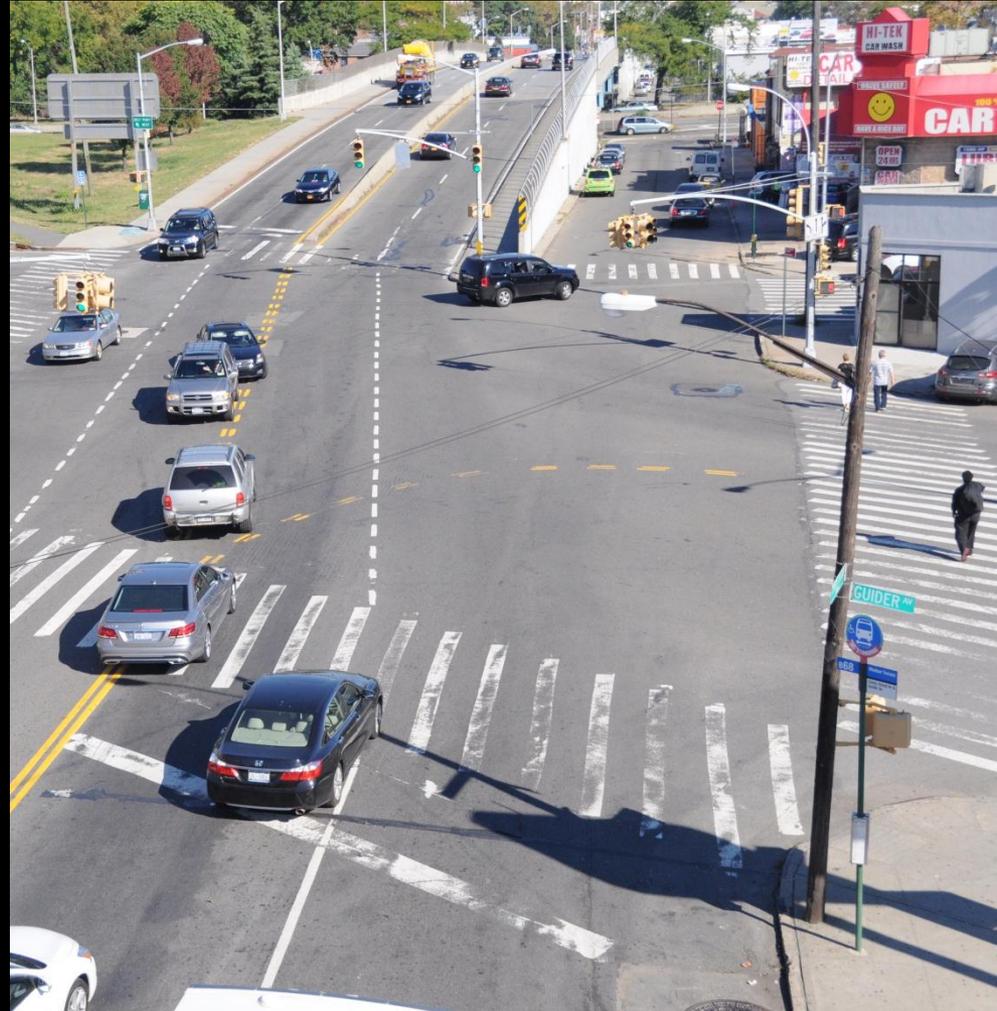
Add additional thru lane

U-Turn Ban

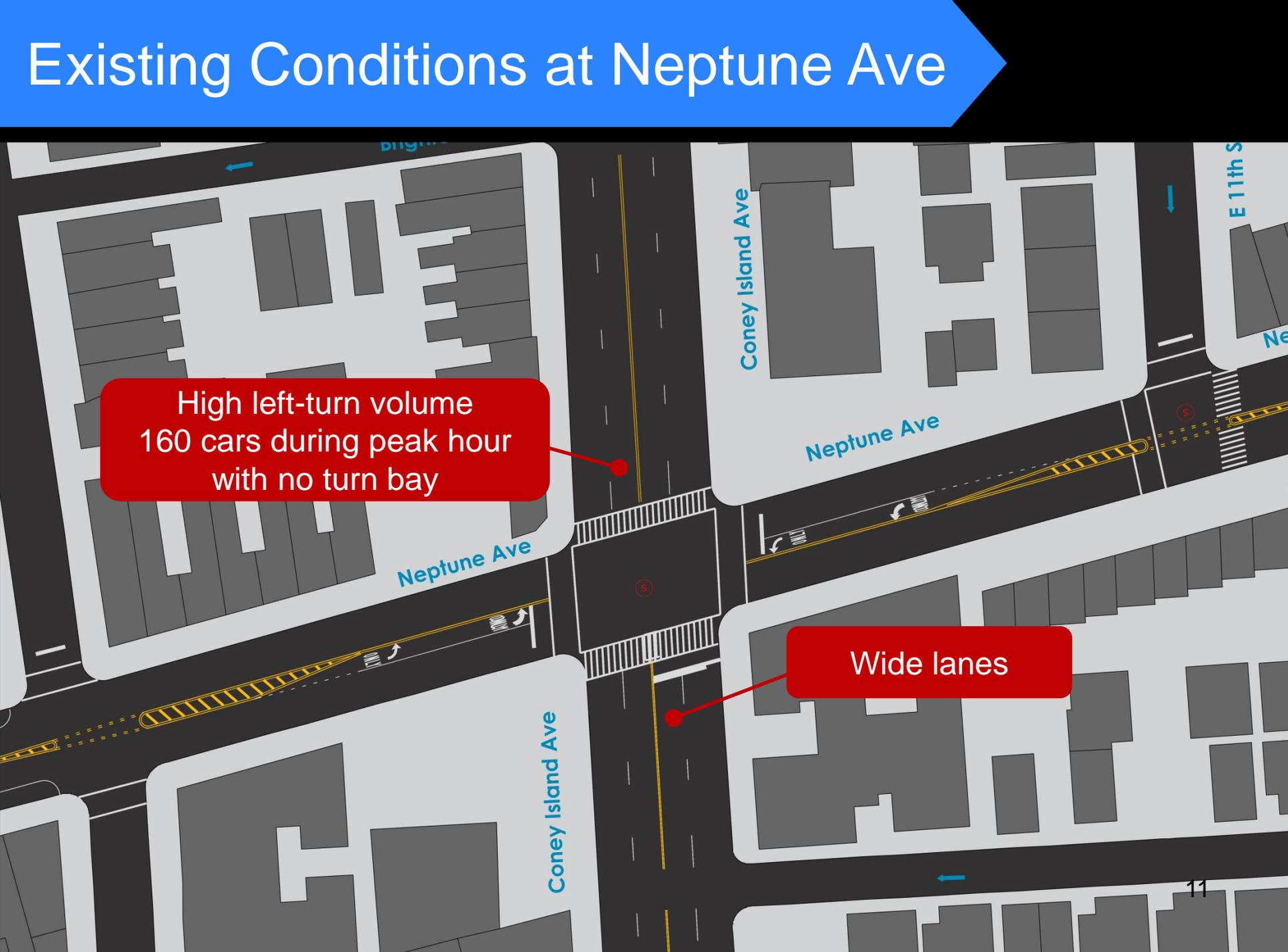
State DOT expressed no interest in lifting the SB U-Turn Ban

- City Borough Engineering does not wish to overrule the State
- There are safety concerns associated with U-turns at congested intersections
- U-turns are an unexpected movement for pedestrians

This proposal does not prohibit lifting the ban in the future, if it becomes feasible



Existing Conditions at Neptune Ave



High left-turn volume
160 cars during peak hour
with no turn bay

The map shows a street grid with Neptune Ave running horizontally and Coney Island Ave running vertically. Neptune Ave has a wide left-turn lane. A red callout points to this lane. To the right, another red callout points to the wide travel lanes of Neptune Ave. Buildings are shown as grey blocks, and traffic flow is indicated by blue arrows. A yellow hatched area indicates a no-parking zone. A red 'S' in a circle is also visible on the map.

Wide lanes

Proposed Plan at Neptune Ave

Add turn lanes while maintaining thru lanes



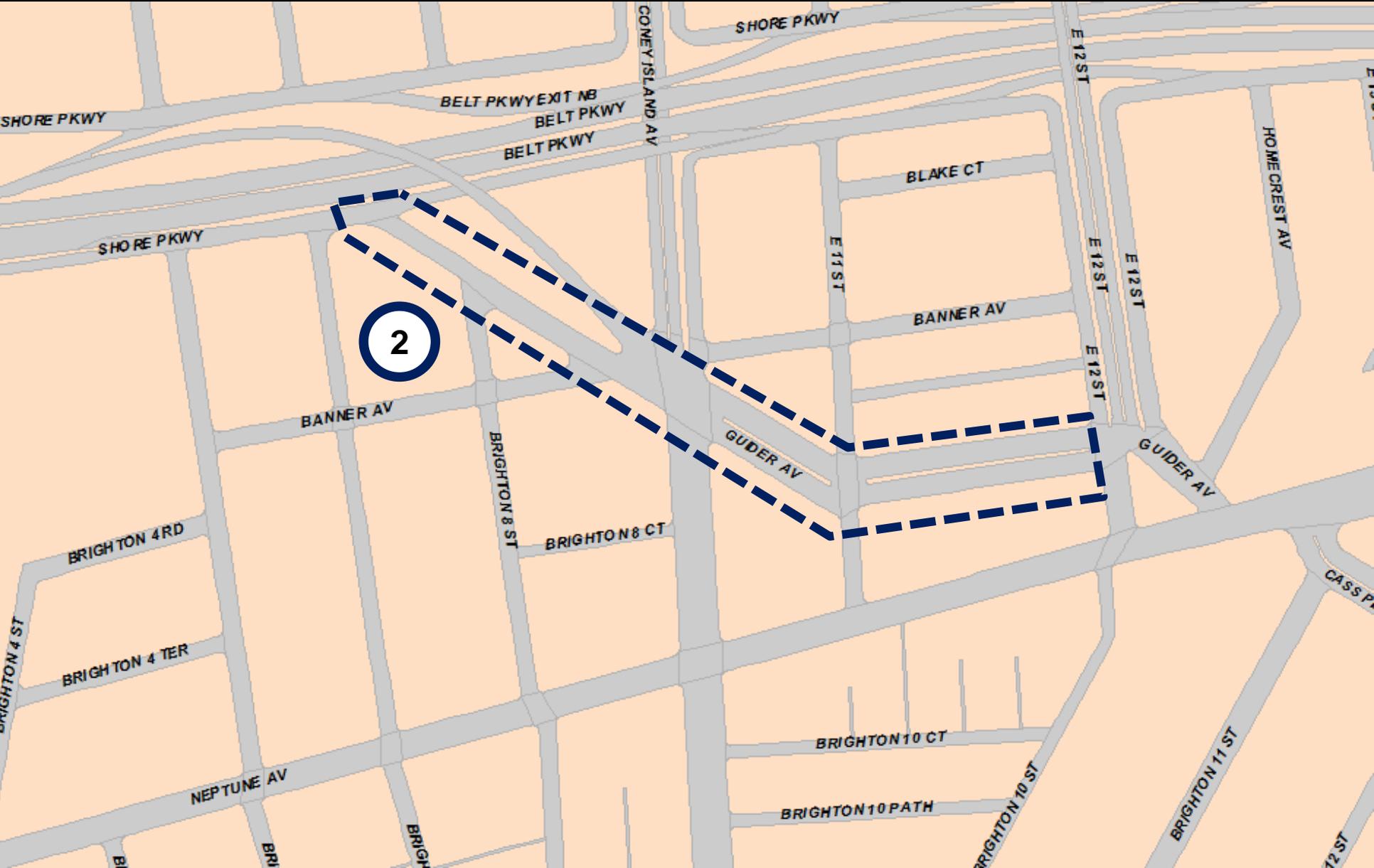
Coney Island Ave Signal Timing Improvements



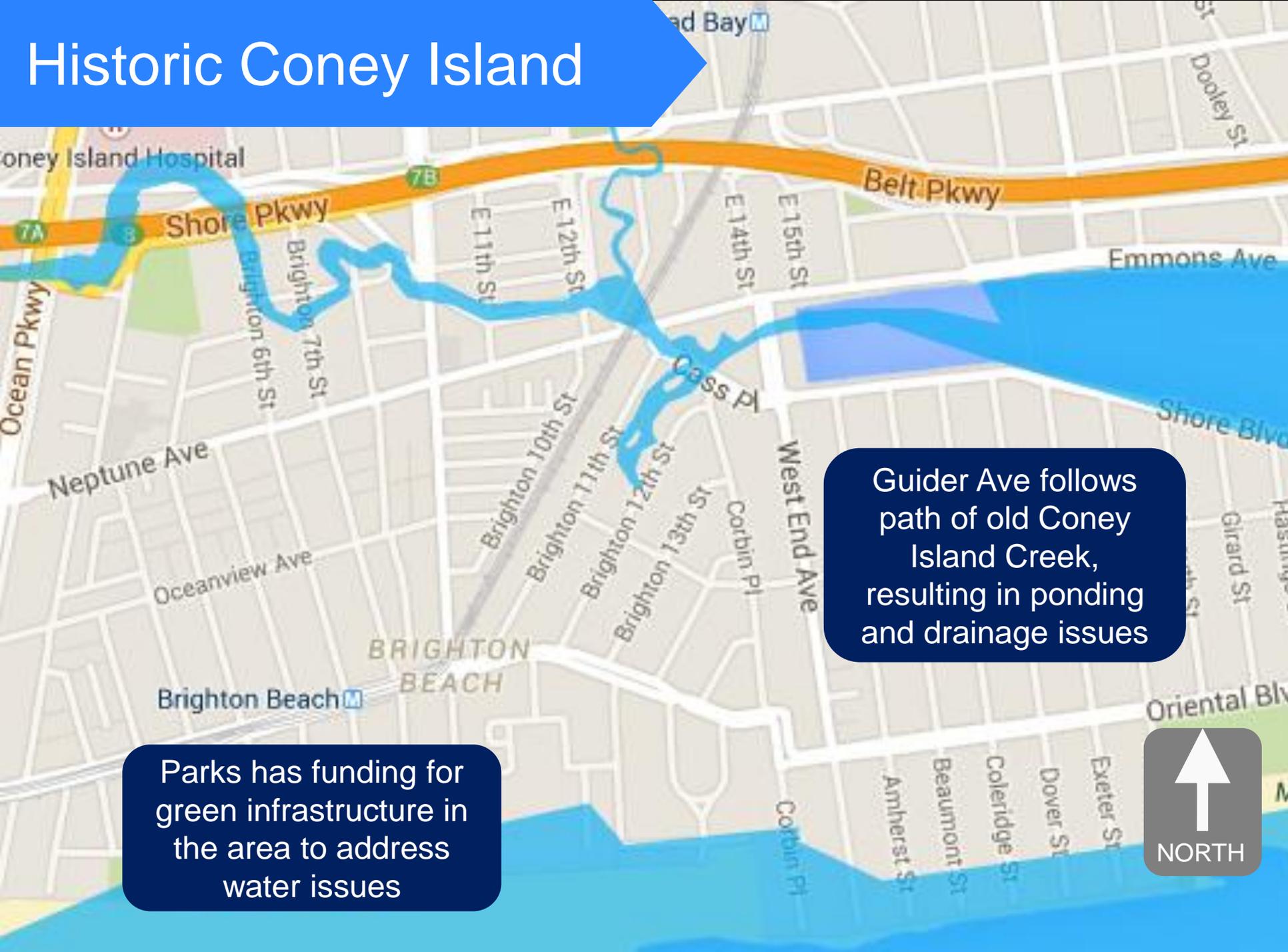
- Coney Island Ave and Guider Ave
- Change to 120 Sec. cycle at all times
- Add protected left turn phase for Coney Island Ave

- › Change to 120 Sec. cycle at all times to match corridor

Project Location



Historic Coney Island



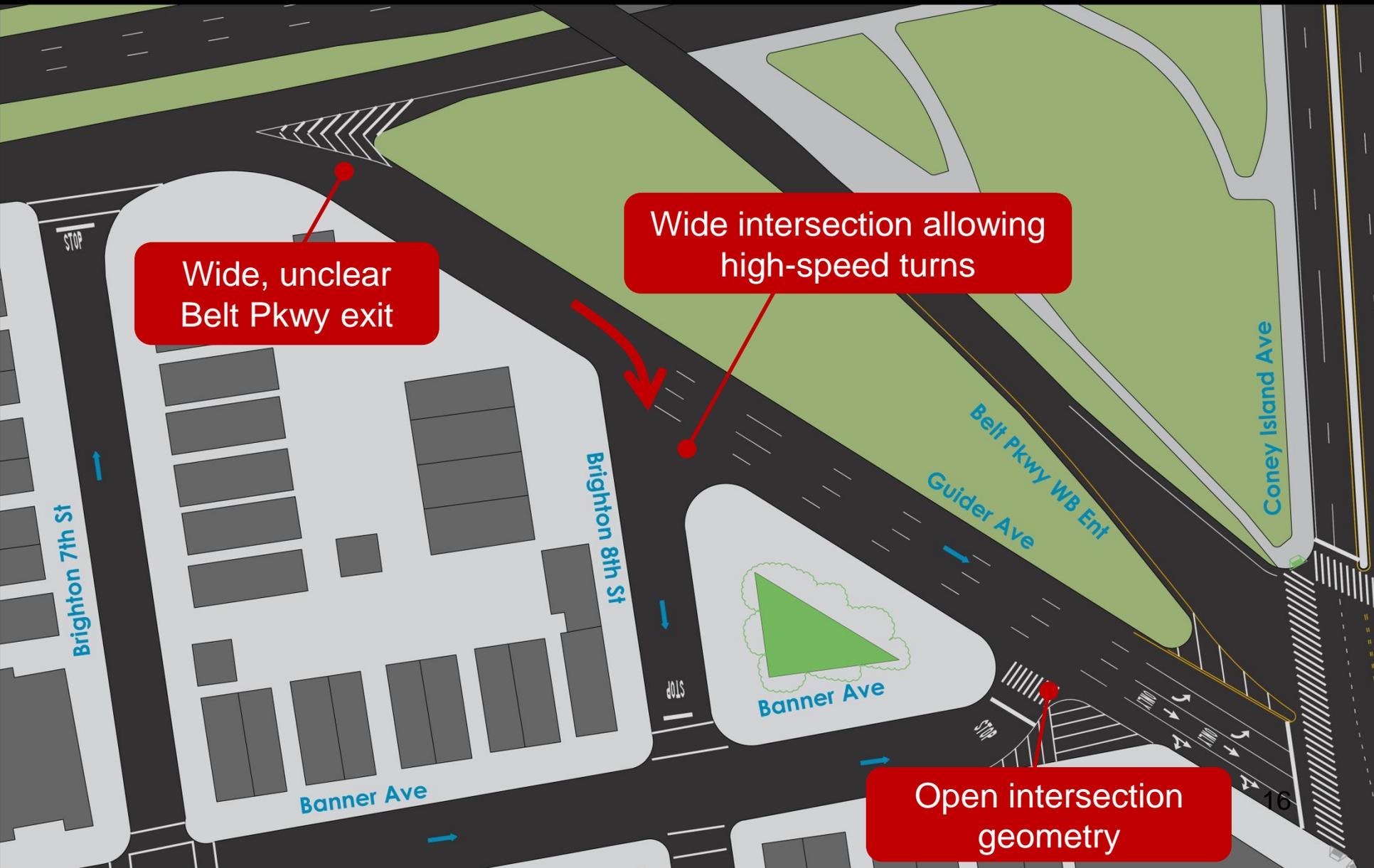
Guider Ave follows path of old Coney Island Creek, resulting in ponding and drainage issues

Parks has funding for green infrastructure in the area to address water issues



NORTH

Existing Conditions at Brighton 8th St

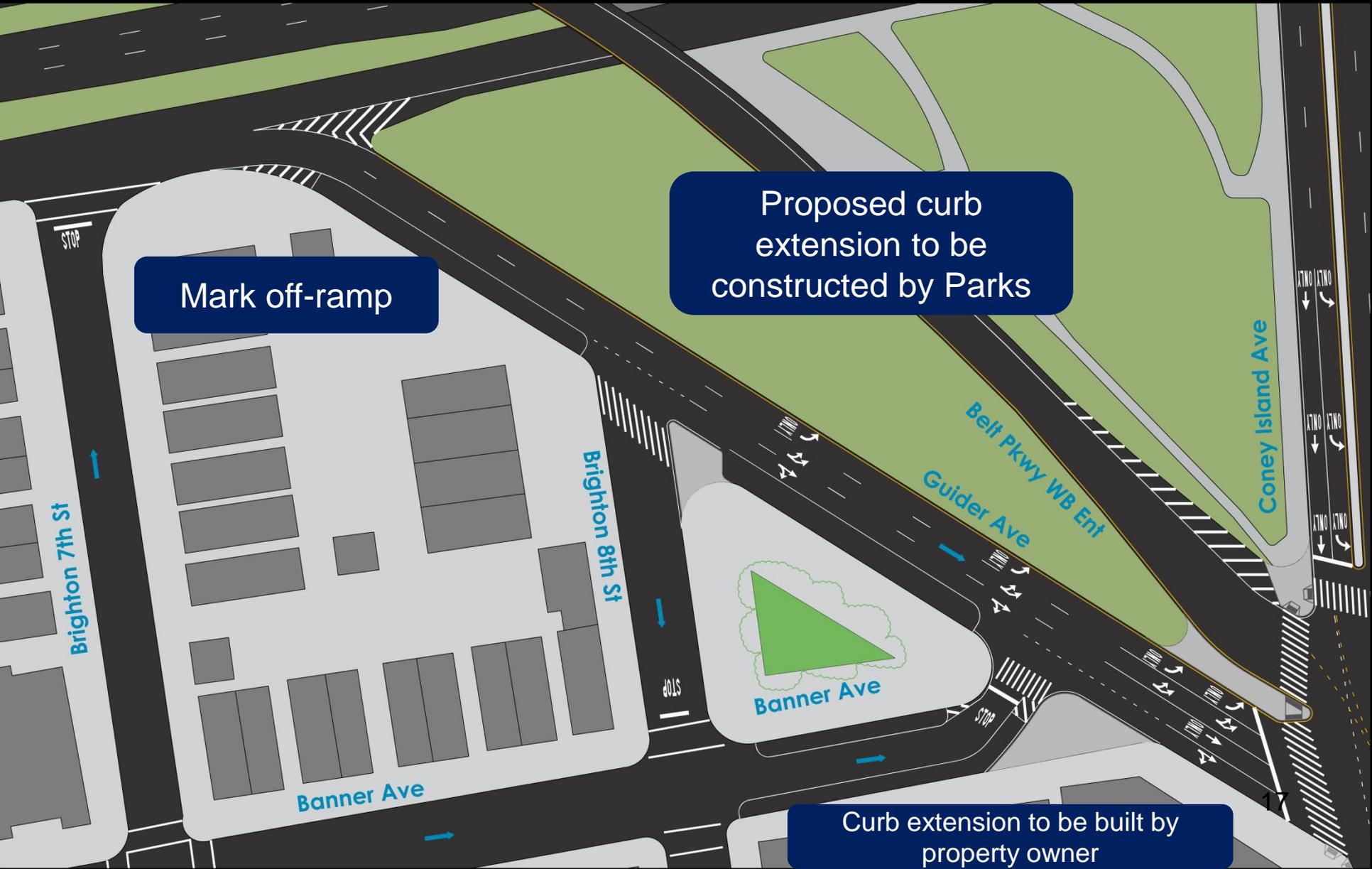


Wide, unclear
Belt Pkwy exit

Wide intersection allowing
high-speed turns

Open intersection
geometry

Option 1: Proposed Plan at Brighton 8th St

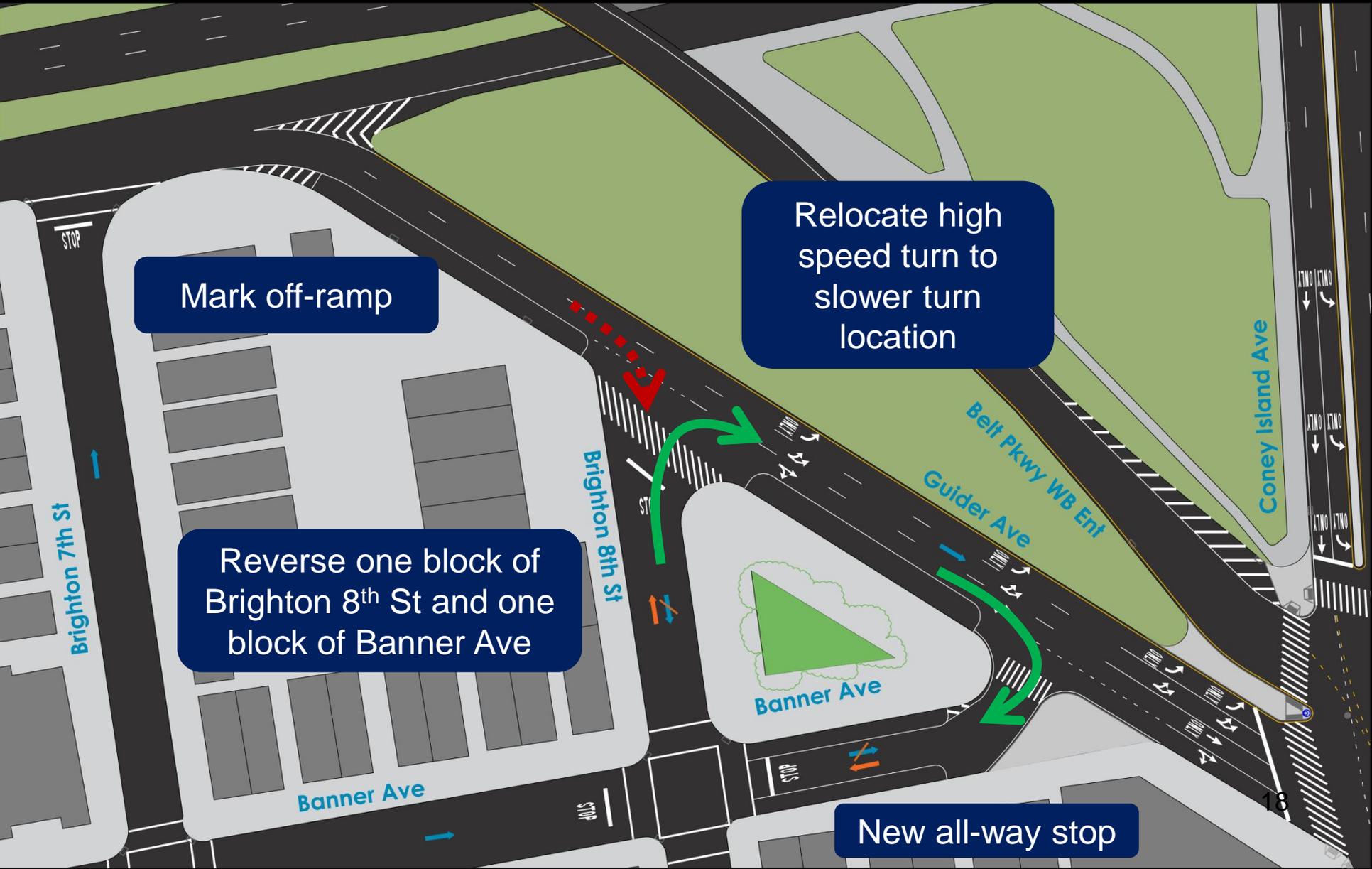


Mark off-ramp

Proposed curb extension to be constructed by Parks

Curb extension to be built by property owner

Option 2: Proposed Plan at Brighton 8th St



Mark off-ramp

Relocate high speed turn to slower turn location

Reverse one block of Brighton 8th St and one block of Banner Ave

New all-way stop

Existing Conditions: Guider Ave



View North

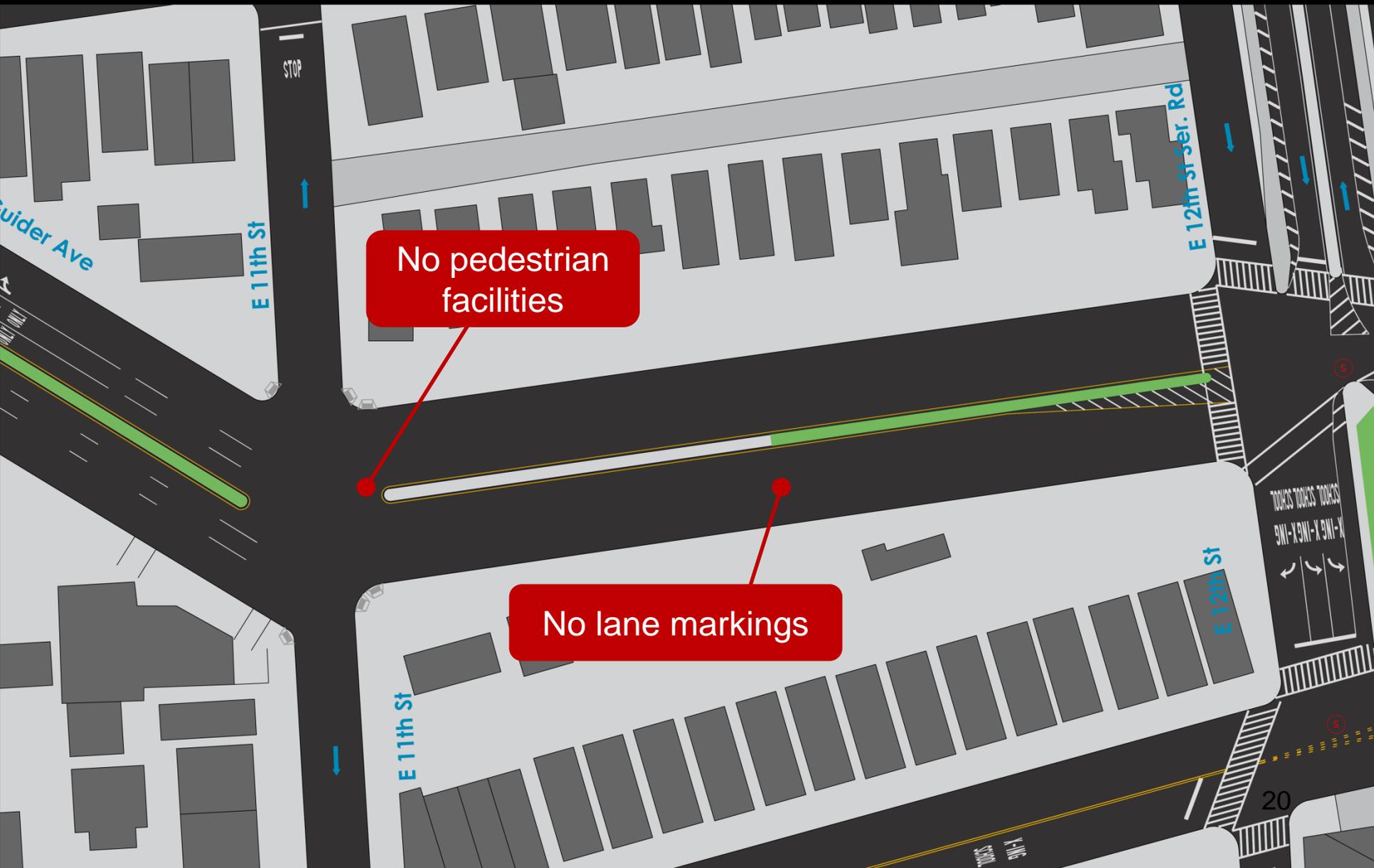
No crosswalks at Guider Avenue and E 11th St

Wide, unmarked lanes at Guider Avenue



View East

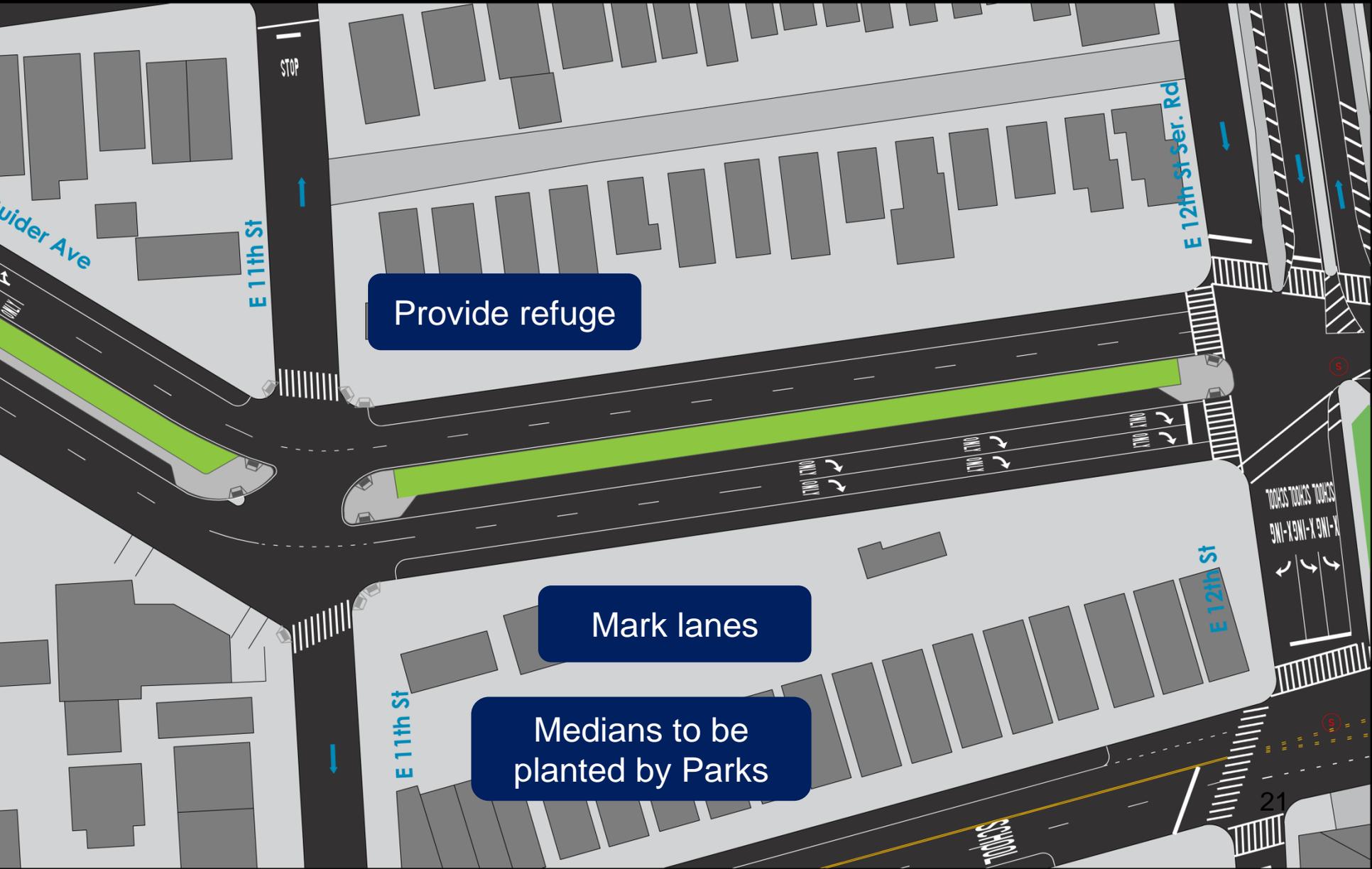
Existing Conditions at E 11th St



No pedestrian facilities

No lane markings

Proposed Plan at E 11th St



Provide refuge

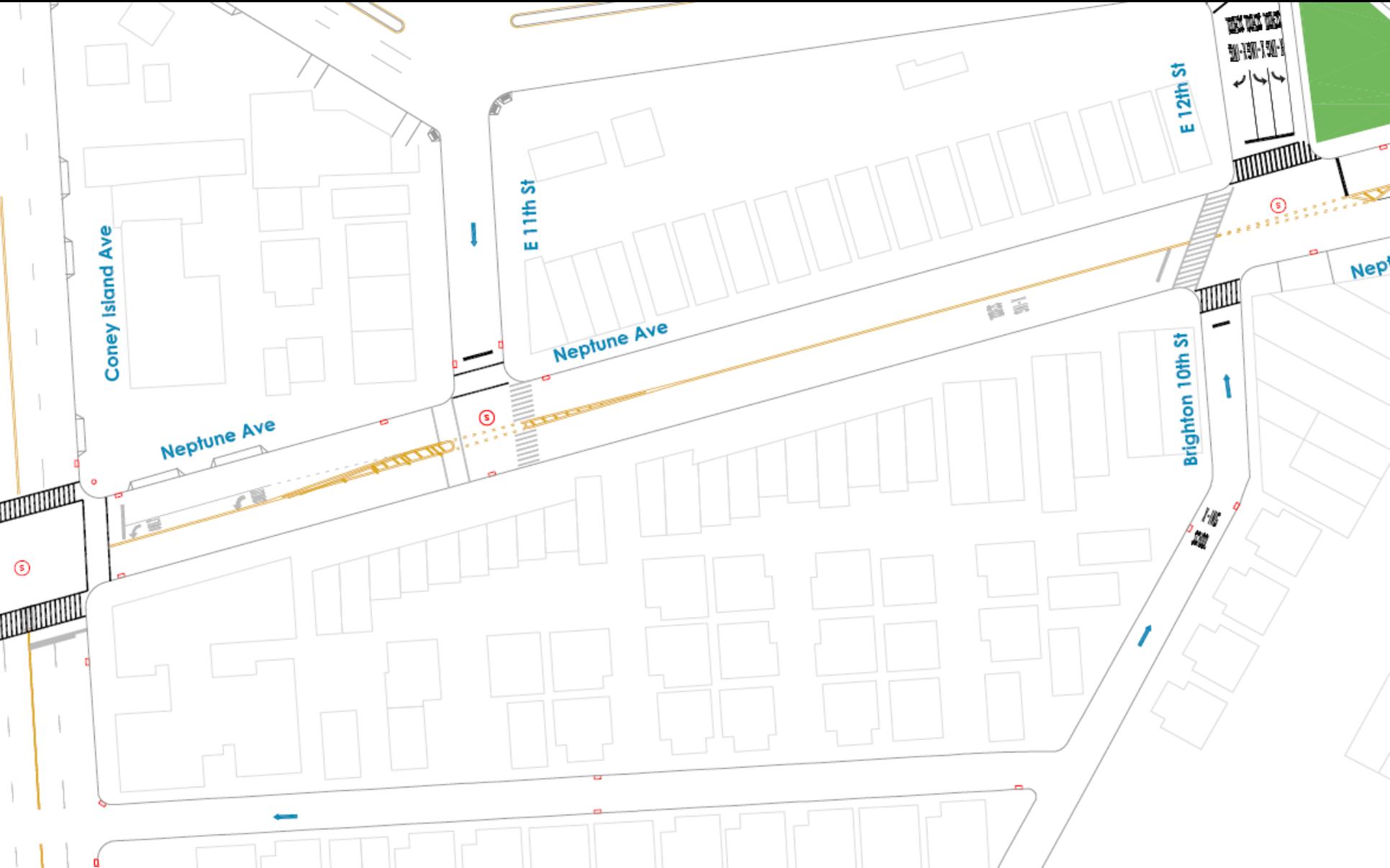
Mark lanes

Medians to be planted by Parks

Project Location



Existing Conditions Neptune Ave



Proposed Conditions Neptune Ave



Add additional right turn lane

Add additional eastbound lane on Neptune Ave

Project Benefits

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- Reduce conflicts for motorists
 - Improve intersection processing
 - Reduce pedestrian/vehicle conflicts
 - Shorten crossings
 - Improve pedestrian access
 - Clarify vehicular movements

Project Summary

Coney Island Ave and Guider Ave

- Add left turn lanes/phase to Coney Island Ave
- Add curb extension to NW corner
- Prohibit SB right turn from Coney Island to Belt Pkwy
- Prohibit left turn from WB Guider Ave to Coney Island Ave
- Extend west median
- Consolidate bus stops

Banner Ave Triangle Greenstreet

- Improve Triangle geometry and add greenery

Guider Ave from Coney Island to E 12th St

- Mark wide lanes
- Add parking to median

Neptune Ave and Coney Island Ave

- Add left turn bays to Coney Island and right turn lane to WB Neptune Ave
- Mark two EB lanes and one WB lane between E 11th St and E 12th St





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Thank
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