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
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
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

- Add additional thru lane
- Align to bridge
- Add left turn lanes and protected signal phases
- Consolidate bus stops to Neptune Ave
- Extend median
- Ban turns to improve intersection processing
- Additional greenery
- Add additional parking
- Add additional thru lane
- Align to bridge
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

Wide lanes

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

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
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.
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
- Reverse one block of Brighton 8th St and one block of Banner Ave
- Relocate high speed turn to slower turn location
- New all-way stop
Existing Conditions: Guider Ave

No crosswalks at Guider Avenue and E 11th St

Wide, unmarked lanes at Guider Avenue

View North

View East
Existing Conditions at E 11\textsuperscript{th} St

- No lane markings
- No pedestrian facilities
Proposed Plan at E 11\textsuperscript{th} St

- Mark lanes
- Provide refuge
- Medians to be planted by Parks
Proposed Conditions Neptune Ave

- Add additional eastbound lane on Neptune Ave
- Add additional right turn lane
Project Benefits

- 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
Thank You

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