

Greenpoint Avenue Bridge Improvements

Bicycle Safety Enhancements

2015



New York City Department of Transportation
Presented to Brooklyn CB 1 on March 17, 2015

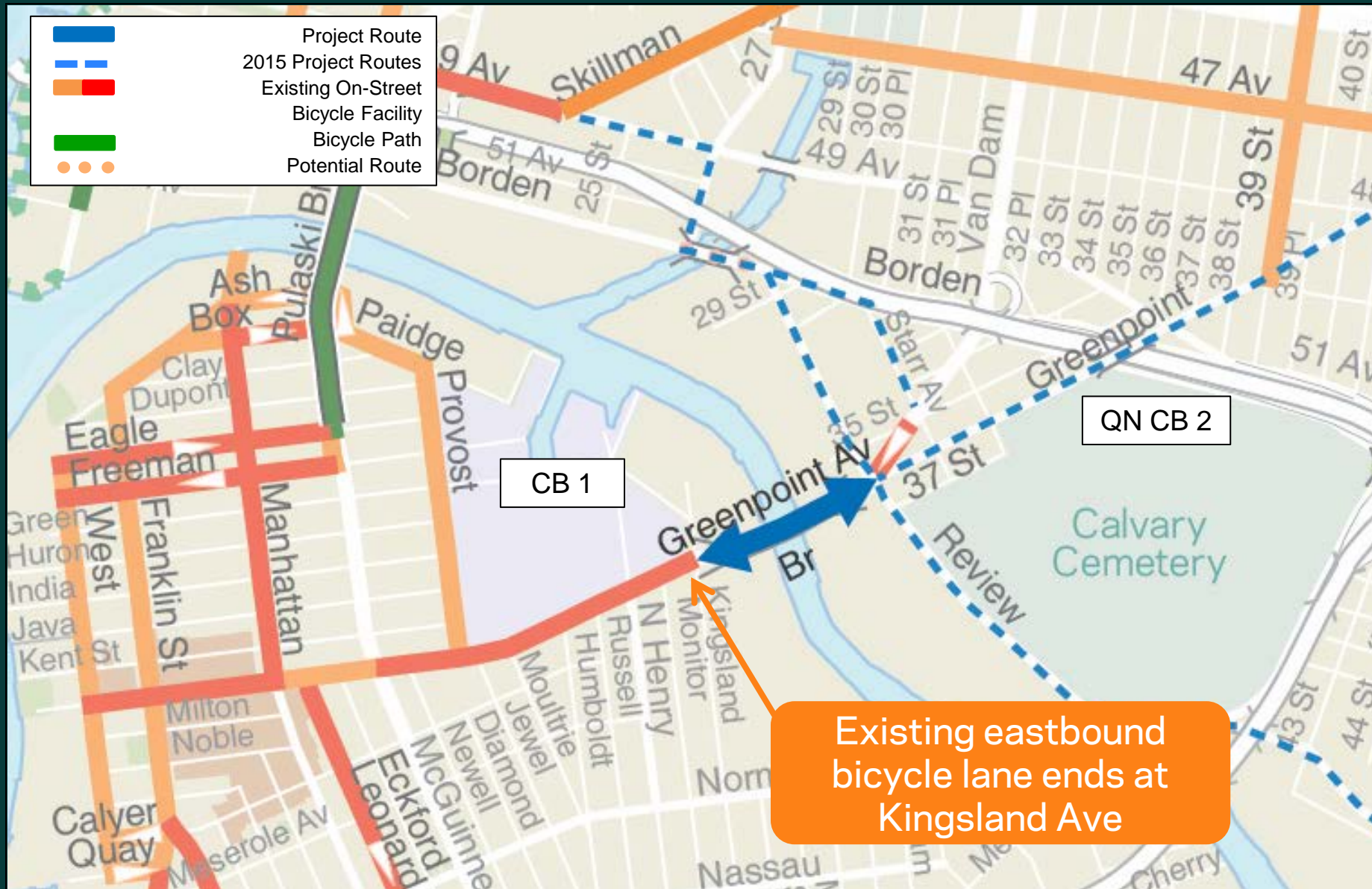


Background



- March 2010 DOT proposed safety changes over bridge as part of bridge component rehabilitation, which included
 - buffered bike lanes
 - implementation was delayed due to construction and utility work
- Existing Greenpoint Ave bike lanes end at Kingsland Ave on Brooklyn side
- No connection over Newtown Creek
- DOT has received numerous requests for bike facilities on the bridge over the years
- Complaints about speeding
- Assembly Member Joseph Lentol & Council Member Jimmy Van Bramer requested improvements

Project Map



Existing Conditions

Limited Visibility Due To
Curvature & Elevation Change

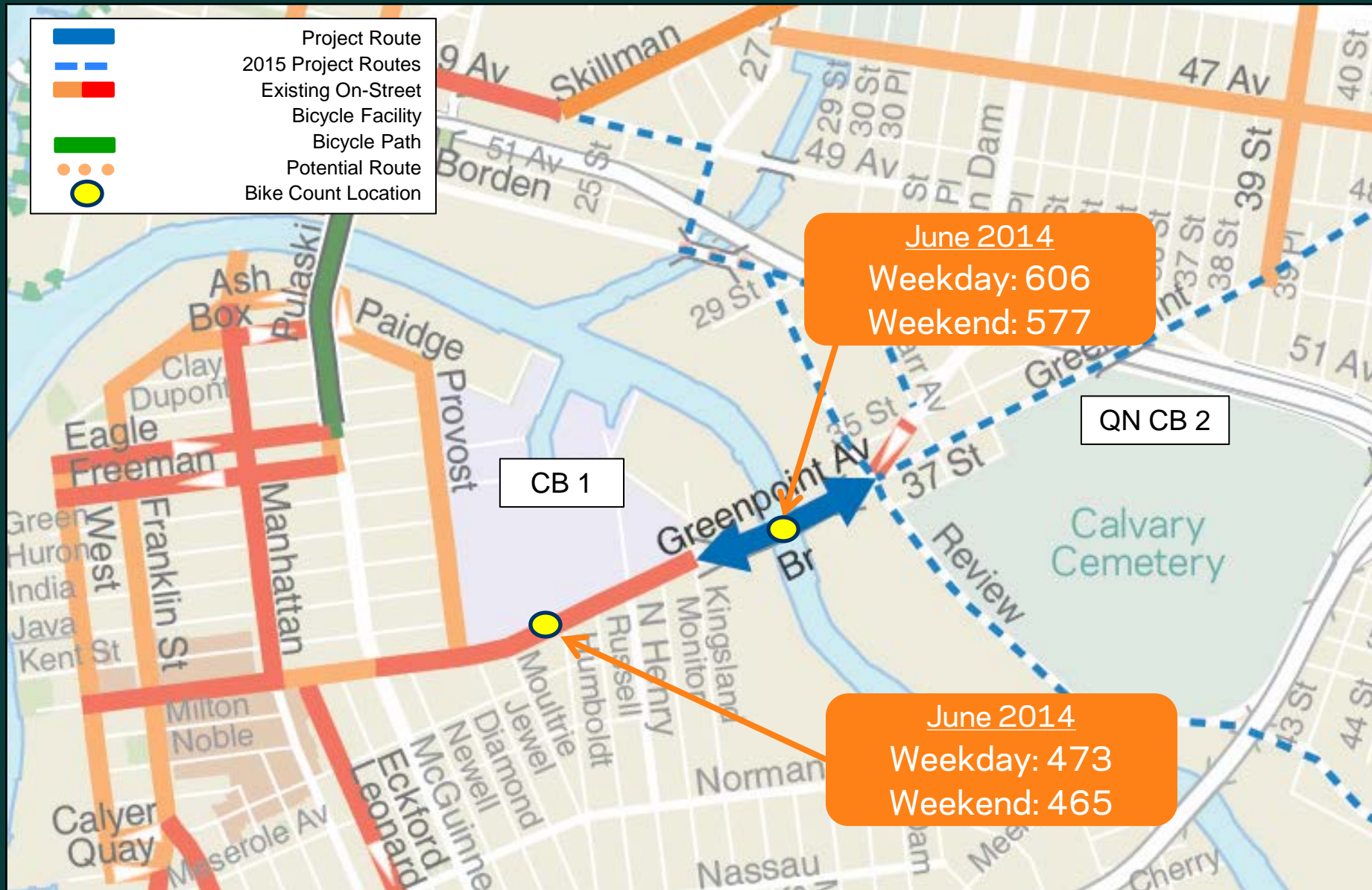
Two Travel Lanes
Queens Bound

Two Travel Lanes
Brooklyn Bound

Median

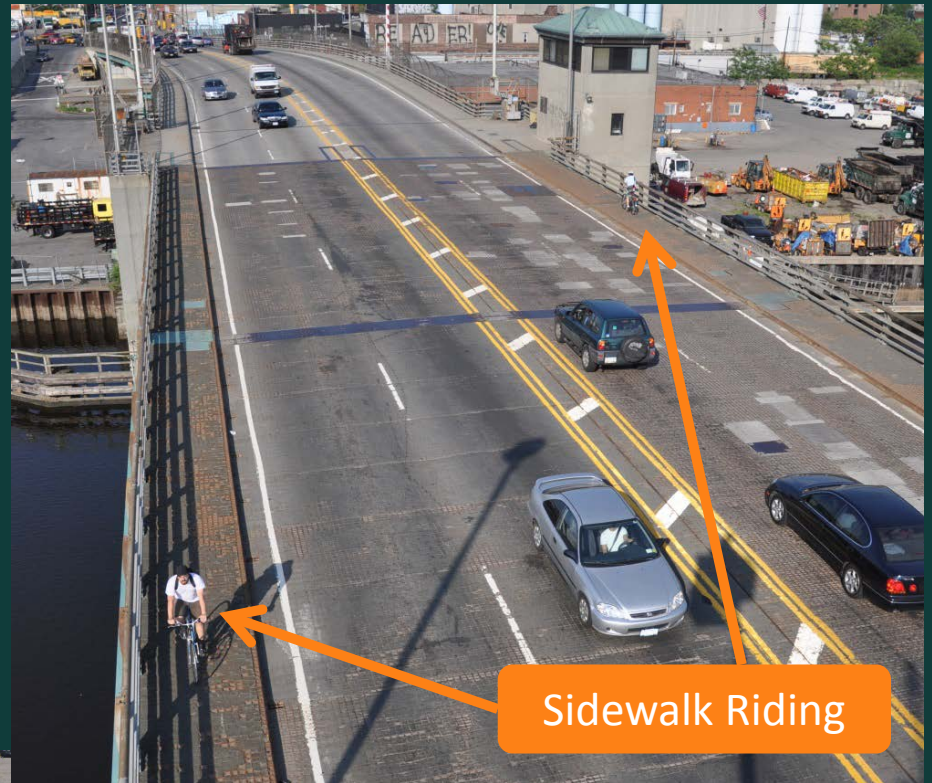
Between Review Av and Kingsland St

14-Hour Bicycle Volumes



Existing Conditions

Bicycle Riders Stop and Dismount
Walk Bike



Sidewalk Riding



Sidewalk Conflicts

Existing Conditions – Brooklyn Side

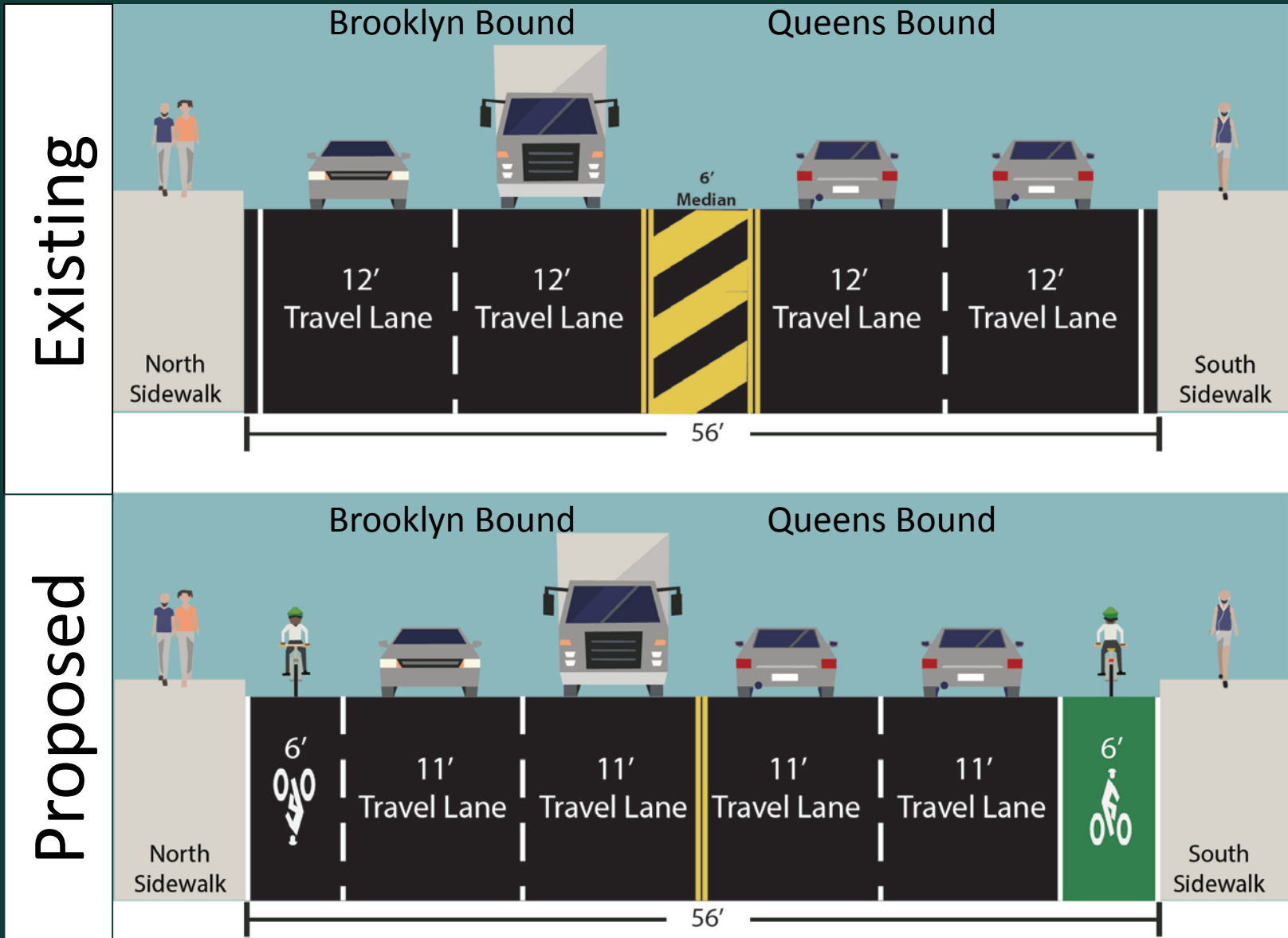
At Kingsland Ave



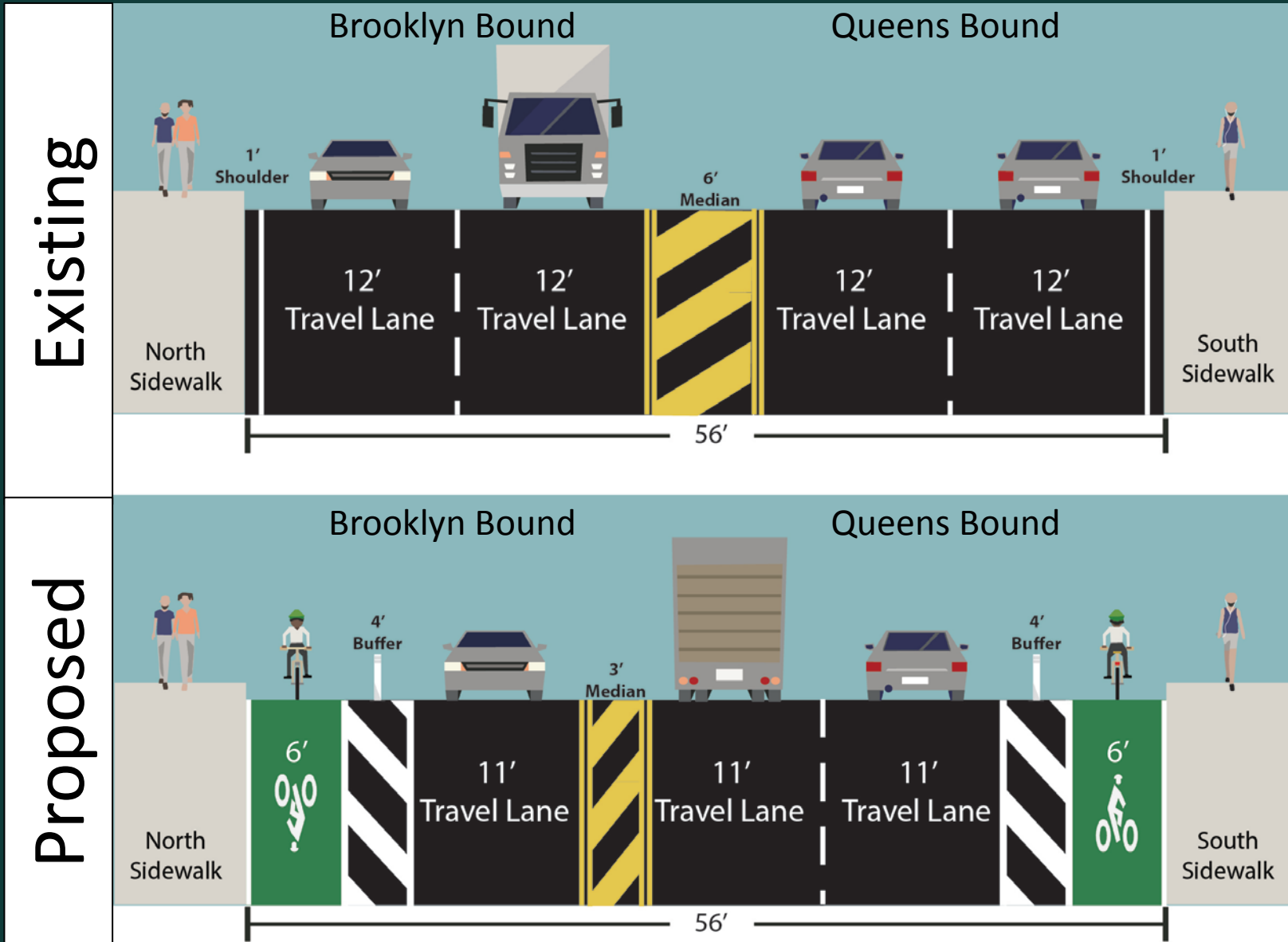
Bridge Approach from Kingsland Ave, Brooklyn

Proposed Design – Brooklyn Side

At Kingsland Ave

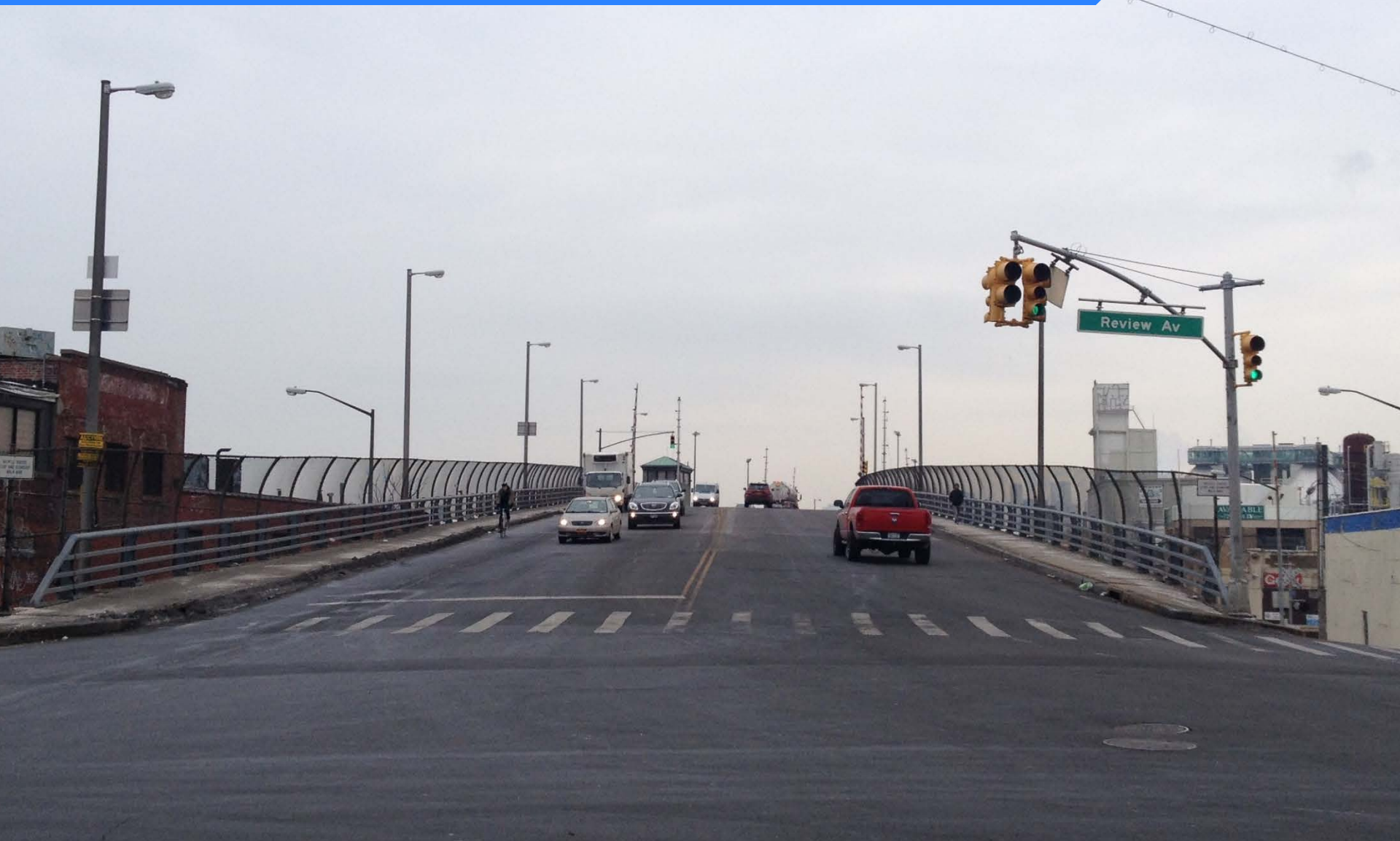


Proposed Design – Mid-Bridge Span



Existing Conditions - Queens Side

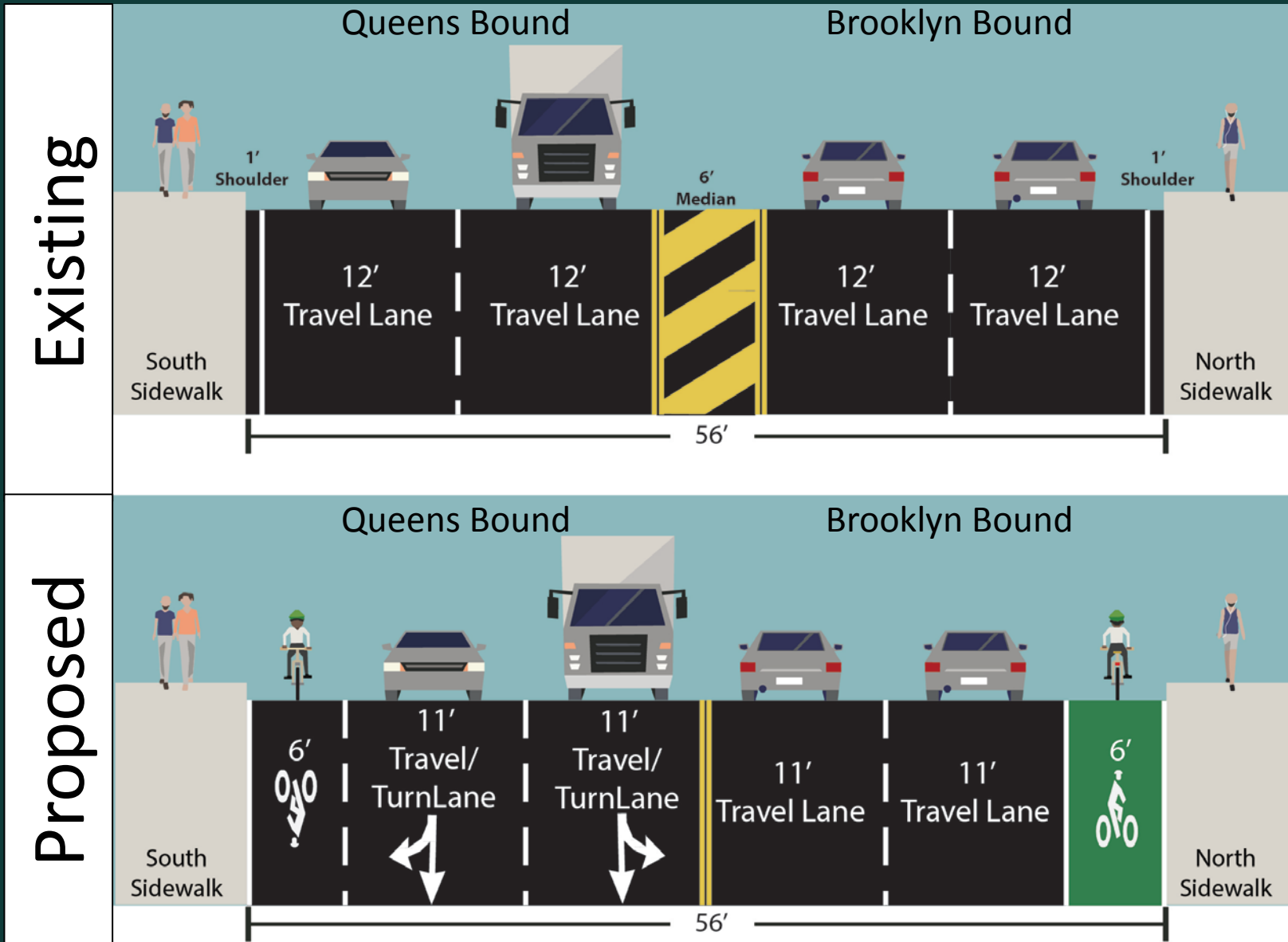
At Review Ave



Bridge Approach from Review Av & Van Dam St, Queens

Proposed Design - Queens Side

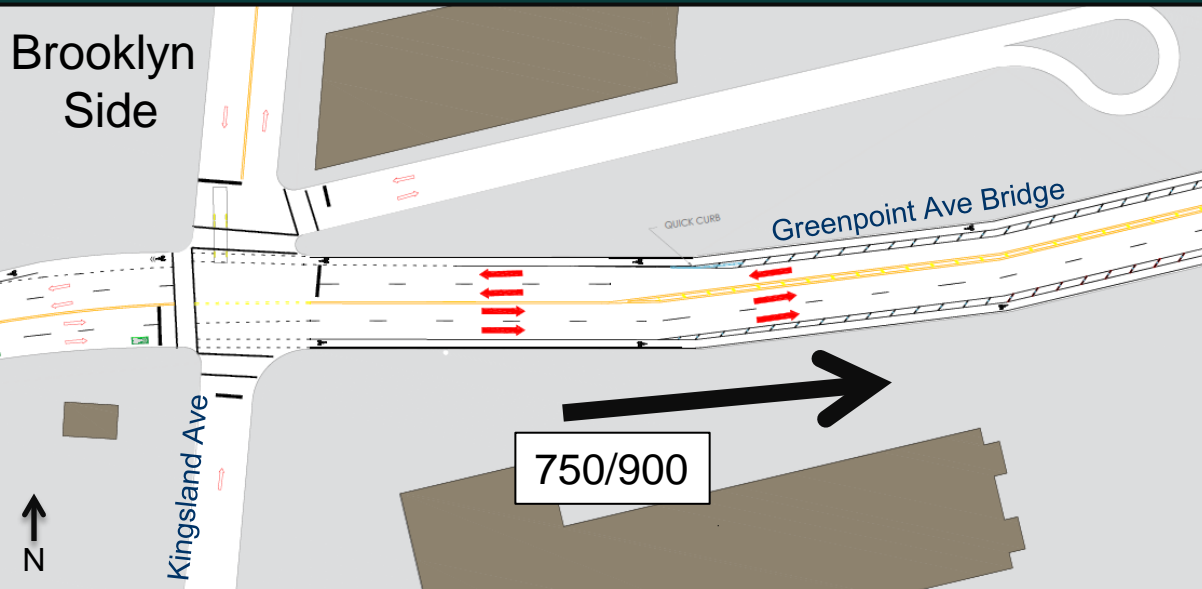
At Review Ave



Draft Design

With Peak-Hour Vehicle Volumes

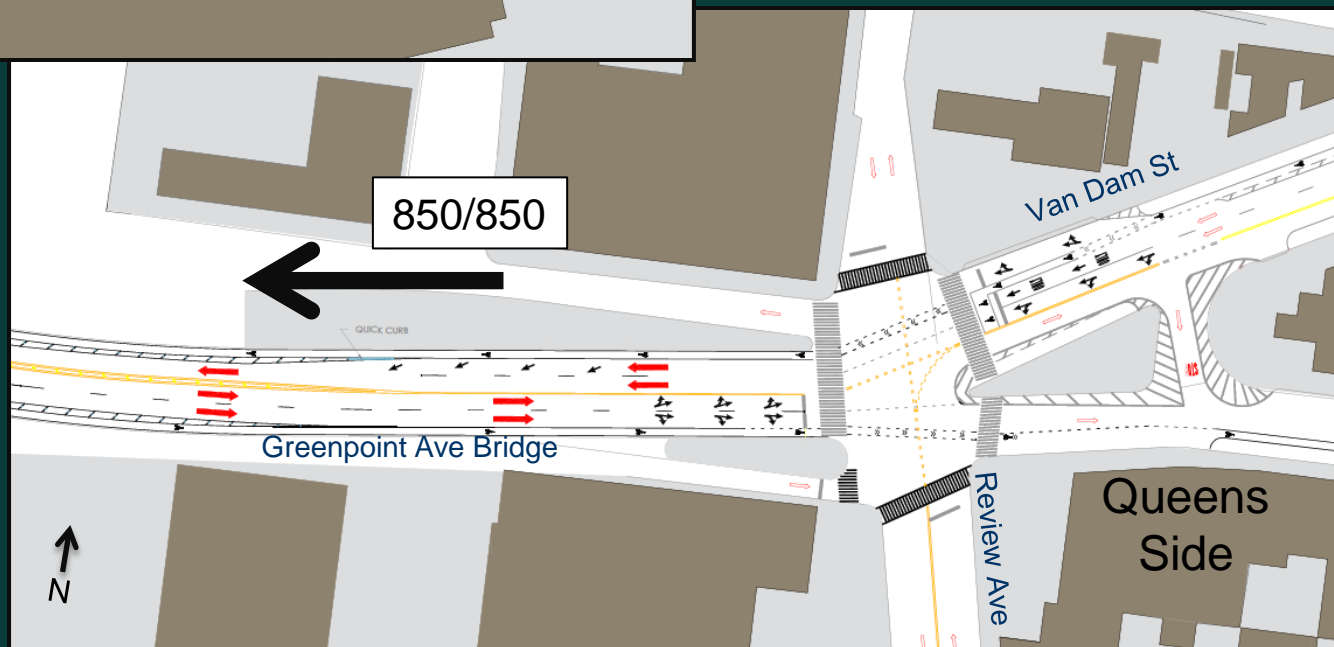
Brooklyn
Side



750/900

Draft Design
03.17.2015

Peak Hour
Vehicle Volumes:
AM/PM
Nov 2014



850/850

Example of Proposed Design



Summary of Proposal

- Bridge Span
 - Two travel lanes for Queens bound traffic
 - One travel lane for Brooklyn bound traffic
 - 6' curbside bike lanes in both directions with 4' buffer
- Approaches
 - Two travel lanes in each direction
 - 6' curbside bike lanes in both directions
- Establishes a connection between the bicycle network in Brooklyn to the expanding network in Queens
- Improves bicycle circulation throughout the community and to major employment centers
- Improves safety for cyclists by designating space for riding & addressing sight line issues on the bridge
- Increases awareness of the presence of cyclists

Questions?

**Thank
You**

For questions contact Queens Borough Commissioner's Office: (212) 839-2510