

B82 Southern Brooklyn Select Bus Service

For presentation to CB 14 Transportation Committee | May 10, 2017



Overview

- **Project Background**
- **B82 SBS Proposed Designs**
- **Next Steps**
- **Questions and discussion**

B82 Project Background

The Southern Brooklyn B82 corridor was identified as a potential candidate for Select Bus Service in the 2009 Bus Rapid Transit Phase II Study.

- Serves 32,000 daily riders on B82 Limited and Local
- Heavily used route with slow trips
- Important east-west transit connection across Southern Brooklyn
- Connects to **D N F B Q L** subway lines and 21 bus routes, including B44 Nostrand SBS and B46 Utica SBS
- Serves areas far from the subway



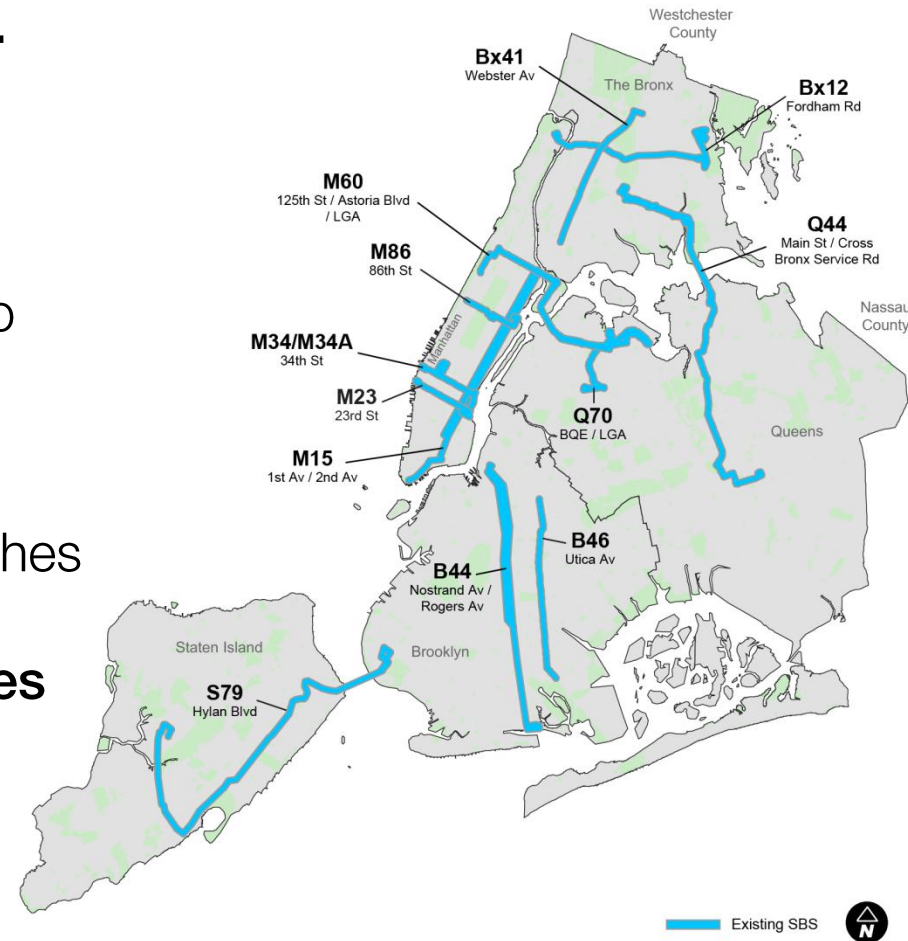
Select Bus Service in New York City

Select Bus Service (SBS) is New York City's brand name for Bus Rapid Transit: an improved bus service that offers fast, frequent, and reliable service on high-ridership bus routes.

SBS has brought:

- 10-30% faster bus speeds
- About 10% increase in ridership
- More reliable service
- Customer satisfaction of 95%
- Safer streets / reduction in crashes

There are 12 Select Bus Service routes in operation serving all 5 boroughs.



Select Bus Service Features

Dedicated Bus Lanes



Signal Priority for Buses



- **Faster** bus rides
- **Reduced traffic conflicts** between buses and traffic
- **More reliable** bus service
- Buses spend **less time stopped** at red lights

Off-Board Fare Collection



All-Door Boarding



- **Quicker** bus boarding
- Buses spend **less time waiting** at bus stops

Select Bus Service Features

Improved Station Amenities



Real-Time Passenger Information



- **More attractive, appealing** bus stops
- **Better trip information** for riders to **know when** the bus is coming
- **More comfortable wait** for the bus

Pedestrian Safety Improvements



- **Better visibility** for pedestrians, bus operators, and drivers
- **Clearer, shorter** pedestrian crossings

Community Engagement

- **Borough Hall Kickoff Meeting**
(June 2015)
- **Online Feedback Portal Launches**
(August 2015)
 - Over 130 location specific comments to date
 - Site is still live at nycdotfeedbackportals.nyc
- **On-Street Outreach**
(August 2015 – August 2016)
 - Over **1500** passengers reached at **12** Bus Stops
 - **3000** project information cards distributed
- **Stakeholder Meetings**
(June 2015 – present)
 - **27** meetings to date across the corridor
- **Community Board Meetings**
(January 2016 – Present)



Community Engagement

2015

- Elected Officials Briefing Kickoff
- Kings Highway BID Meeting
- On-Street Outreach:
 - Pennsylvania Ave
 - Kings Highway at E.15th St
 - Ralph Ave at Flatlands Ave
 - Bay Parkway at 86th St
 - Glenwood Rd at Rockaway Parkway
 - Flatlands Ave at Rockaway Parkway
 - Bay Parkway at 86th St #2
 - Kings Highway at W. 7th St
 - Kings Hwy at McDonald Ave
 - Kings Hwy at Ocean Ave
 - Kings Hwy at E. 15th St #2
- Brooklyn Borough Service Cabinet Presentation
- Kings Highway BID Walkthrough

2016

- CB18 Full Board Presentation
- Kings Highway BID Monthly Meeting Presentation
- NYCHA Breukelen Houses TA President Briefing
- Holy Family RC Church
- Starrett City TA President Briefing
- NYCHA Breukelen Houses TA Meeting
- Brooklyn Auditory Oral School Consultation
- Starrett City TA Meeting
- CB18 Leadership Meeting
- Fraser Square Field Meeting
- New York Community Hospital Walkthrough
- St Matthew's Church Briefing
- Canarsie Full Gospel Briefing
- Christian Cultural Center Briefing
- Mt. Sinai Beth Israel Walkthrough

2016 *continued*

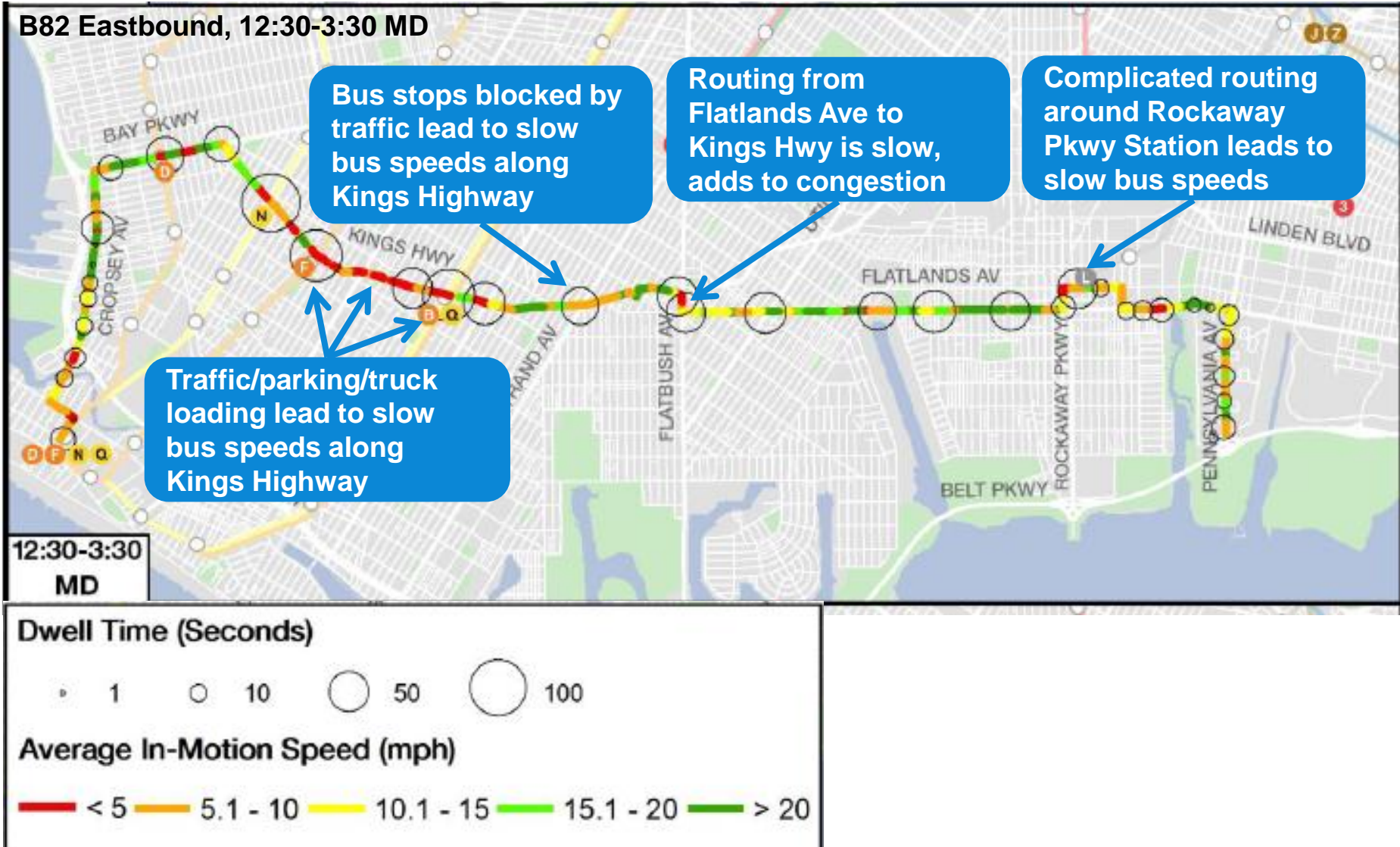
- Stakeholder meeting with Kings Hwy Beautification Association, Edith and Carl Marks Center
- Magen David Yeshiva Discussion
- Christian Cultural Center Traffic Observation
- Kings Hwy @ Fraser Square Constituent Walkthrough

2017

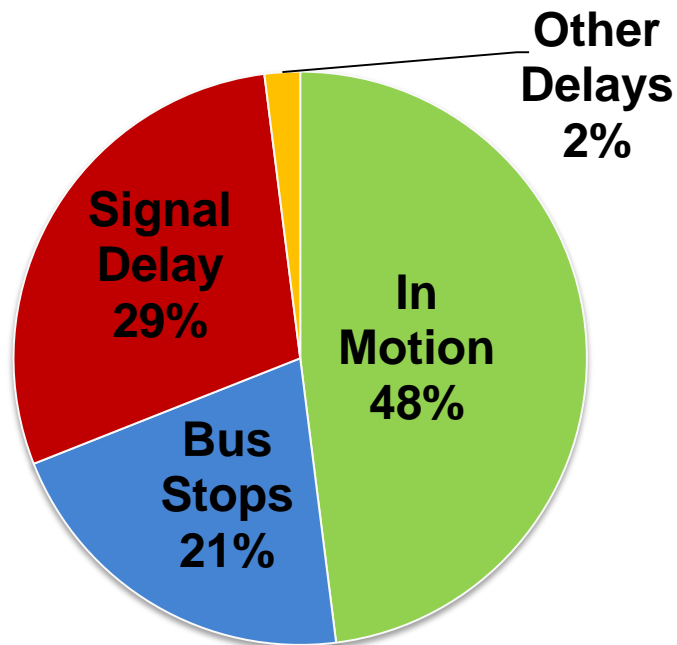
- Library Outreach
 - Canarsie Branch
 - Highlawn Branch
 - Kings Highway Branch
 - Highlawn Branch #2
- Senior Centers Outreach
 - Vandalia Neighborhood
 - Abe Stark Center
 - Midwood Neighborhood Center
 - Ocean Parkway Neighborhood Center

CB 14 and Nearby Outreach

Existing B82 Bus Speeds



B82 Transit Issues



- Over 50% of trip spent delayed, crawling, or at bus stop
- Customers wait in long lines to pay on board the bus
- Bus stops lack amenities, not ADA accessible



B82 Safety Issues



nyc.gov/visionzero

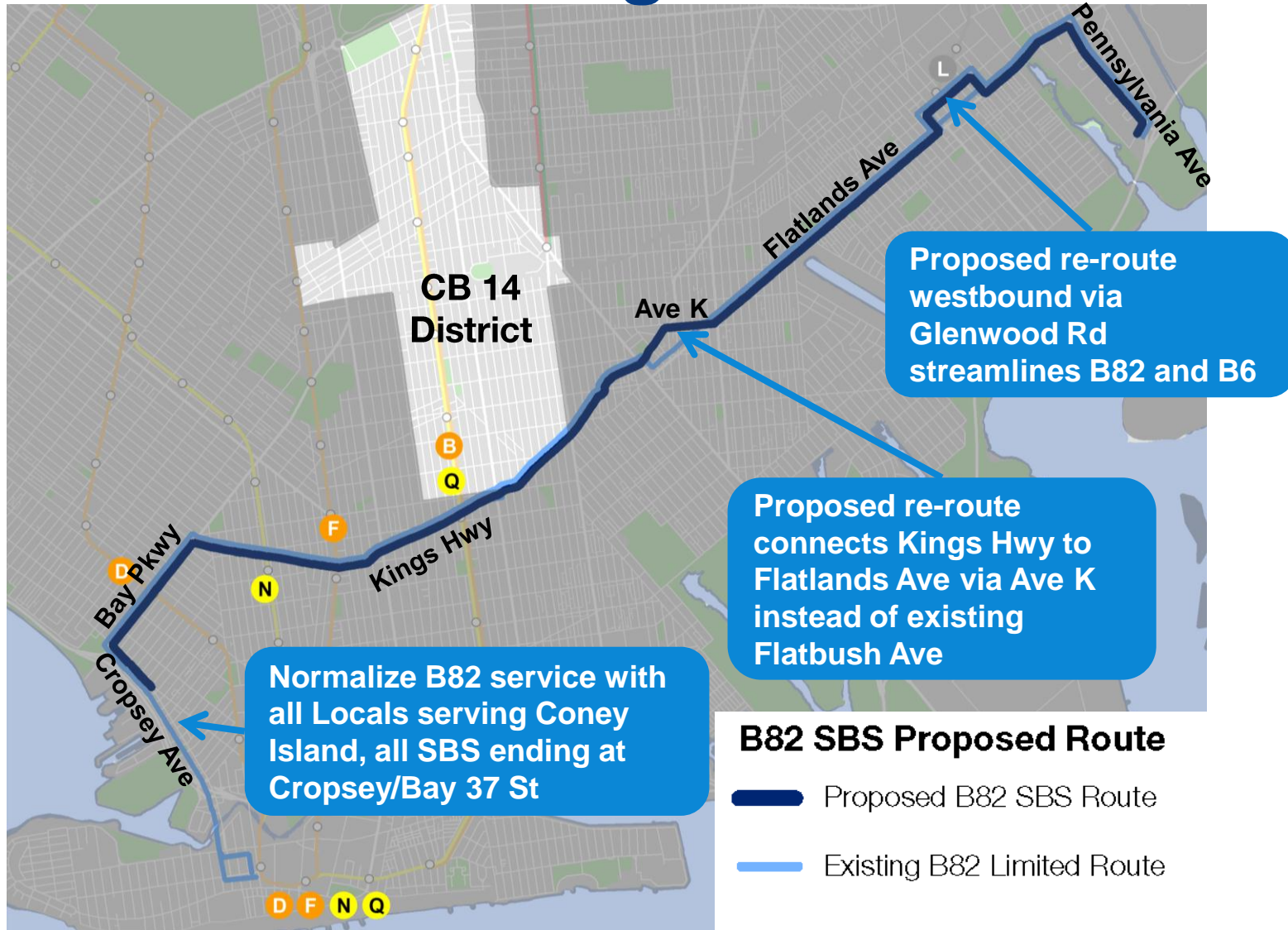
- Long crossings
- Lack of pedestrian refuges
- Limited visibility
- Complex intersections
- Difficult turns across traffic
- Narrow median bus stops



B82 SBS Proposed Route

- Proposed B82 SBS Route
- Existing B82 Limited Route
- Top 5 Crash Location

B82 Route Changes



B82 SBS Stops



B82 SBS Proposed Designs







Proposed Street Treatments



District Treatments



B82 SBS Street Treatments*

-  Bus lane one-way, along curb
-  Bus lane two-way, travel lane
-  Bus lane two-way, extra lane space
-  Widen/reconfigure travel lanes
-  Major safety treatment
-  No new treatment proposed

***Note: Bus lanes serve all buses, emergency vehicles, and right turns**

- Key design pieces:
 - Kings Hwy main road bus lanes, E 23 St to Ave K
 - Kings Hwy at Nostrand Ave safety improvements

Existing: Kings Highway (E 23 St to Ave K)

- Wide, boulevard style portion of Kings Highway
- Narrow, deteriorating medians serve as bus stops
- Large, complex intersections
- Major east-west transit corridor
 - Used by B82 Local, B82 Limited, B7 Local, school buses, coach buses, other buses
 - During AM and PM rush hours, buses come once per minute along Kings Hwy



Kings Hwy at Ave N, looking east



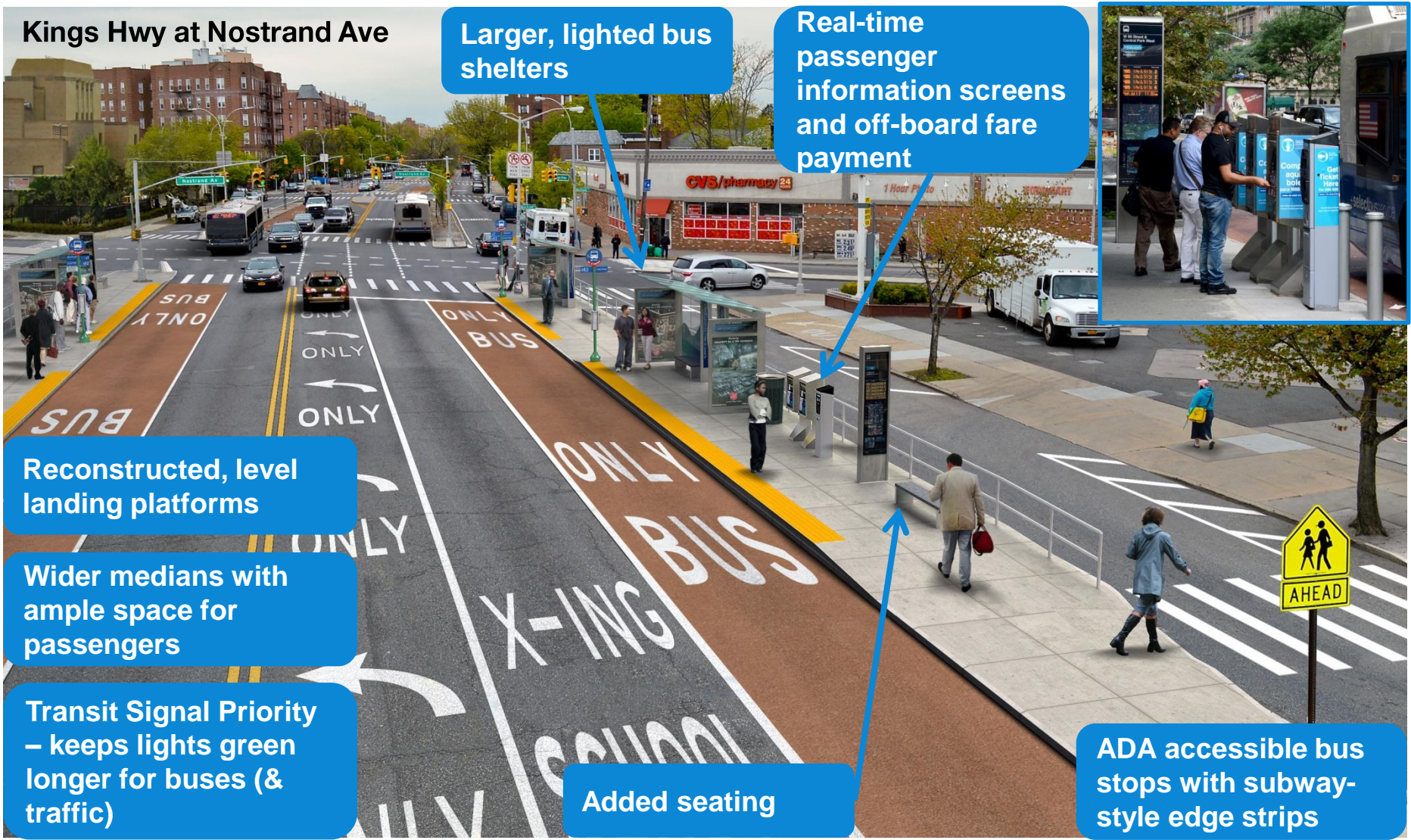
Kings Hwy at Ave K, looking northeast

Existing: Kings Highway (E 23 St to Ave K)

Kings Hwy at Nostrand Ave



Proposed: Kings Highway (E 23 St to Ave K)



Kings Hwy at Nostrand Ave

Larger, lighted bus shelters

Real-time passenger information screens and off-board fare payment



Reconstructed, level landing platforms

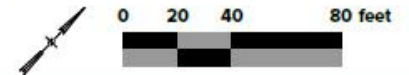
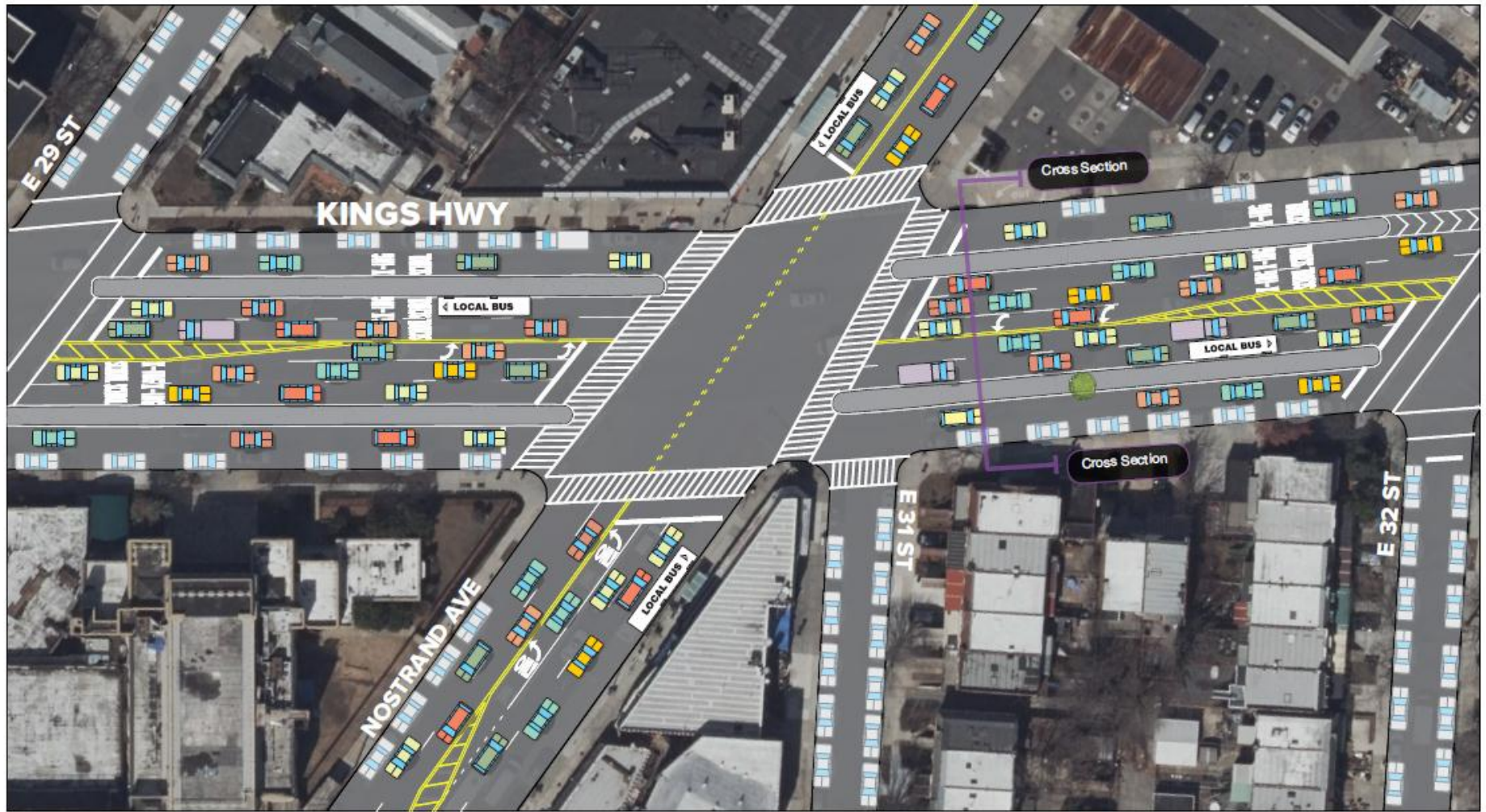
Wider medians with ample space for passengers

Transit Signal Priority – keeps lights green longer for buses (& traffic)

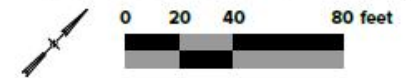
Added seating

ADA accessible bus stops with subway-style edge strips

Existing: Kings Highway (Nostrand Ave to Ave K)



Proposed: Kings Highway (Nostrand Ave to Ave K)



Next Steps

Spring 2017

- Present draft plan to community boards and elected officials
- Continue stakeholder outreach

Summer 2017

- Update street design based on community feedback
- Begin implementation for critical safety and transit accessibility locations of project: Reconstruct medians at Kings Hwy at Nostrand Ave & Flatbush Ave

Fall 2017

- Present final plan to community boards and elected officials
- Continue stakeholder outreach

2018

- Implement project street designs, SBS stop amenities
- Launch B82 Southern Brooklyn Select Bus Service

Thank You!

- Questions?
- We appreciate your input! You can provide it at your convenience online:
 - www.nyc.gov/brt or
 - nycdotfeedbackportals.nyc/south-brooklyn-sbs
- To invite us to community events or give other feedback, please email us at **brt@dot.nyc.gov**

Questions and Discussion

