

B82 Southern Brooklyn Select Bus Service

For presentation to CB 11 Transportation Committee | April 26, 2017



New York City Transit

+selectbusservice




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  subway lines and 21 bus routes, including B44 Nostrand SBS and B46 Utica SBS
- Serves areas far from the subway



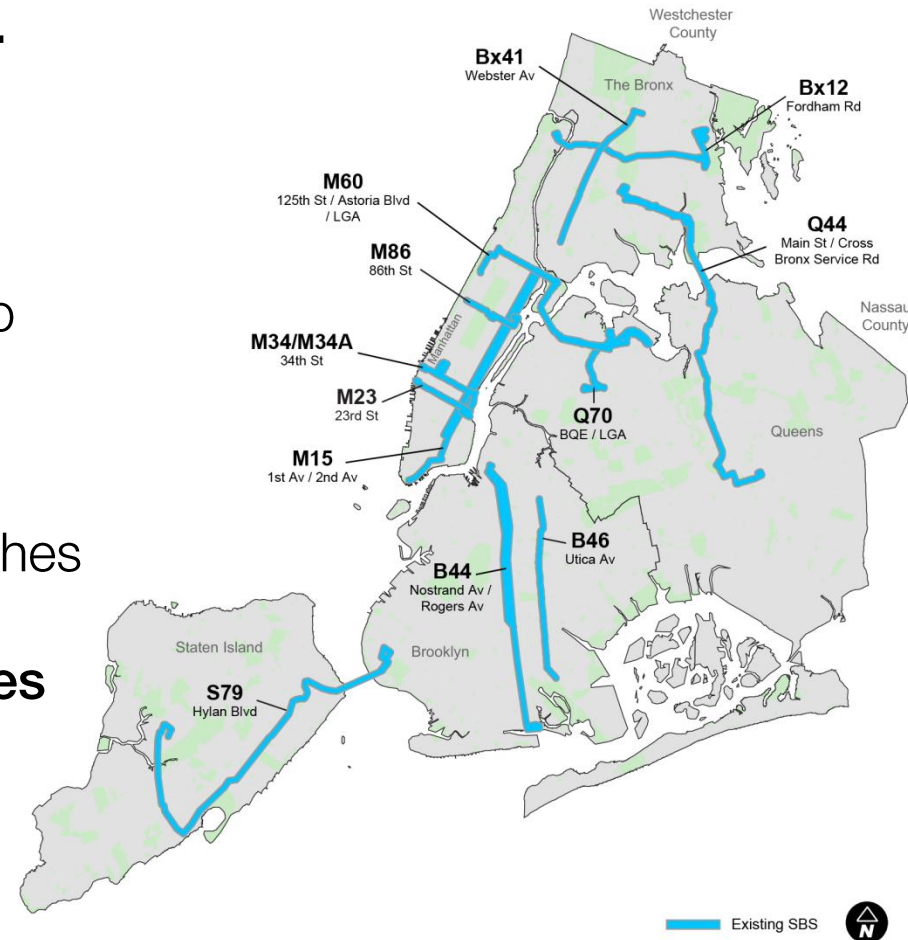
Select Bus Service in New York City

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*

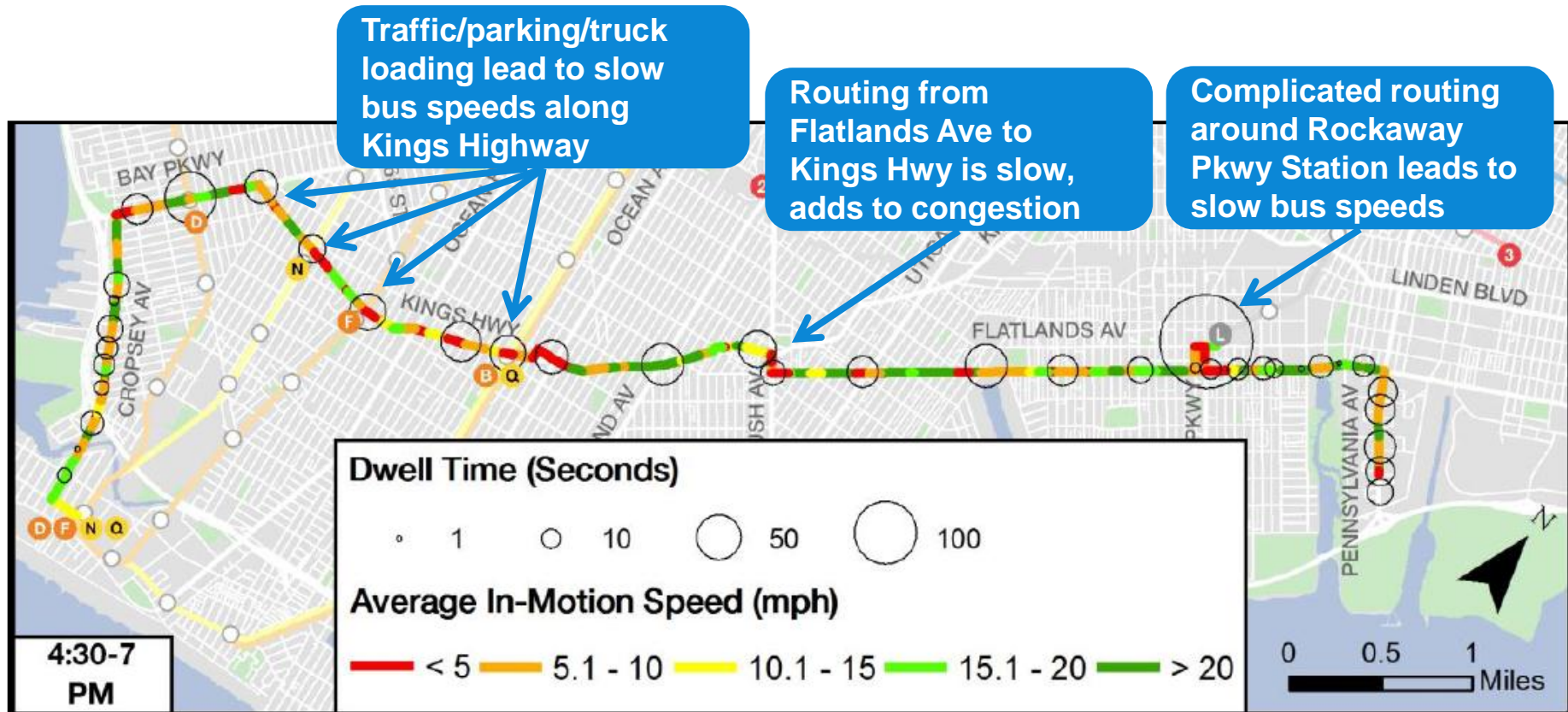
- Stakeholder meeting with Kings Hwy Beautification Association, Edith and Carl Marks Center
- Magen David Yeshiva Discussion
- Christian Cultural Center Traffic Observation
- Kings Hwy @ Fraser Square Constituent Walkthrough

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

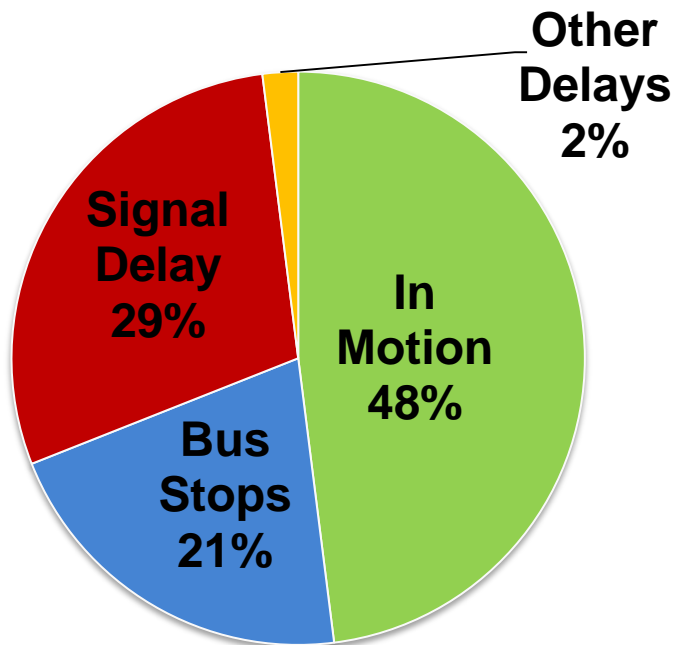
CB 11 Outreach

Existing B82 Bus Speeds



B82 Westbound, 4:30-7 PM

B82 Transit Issues



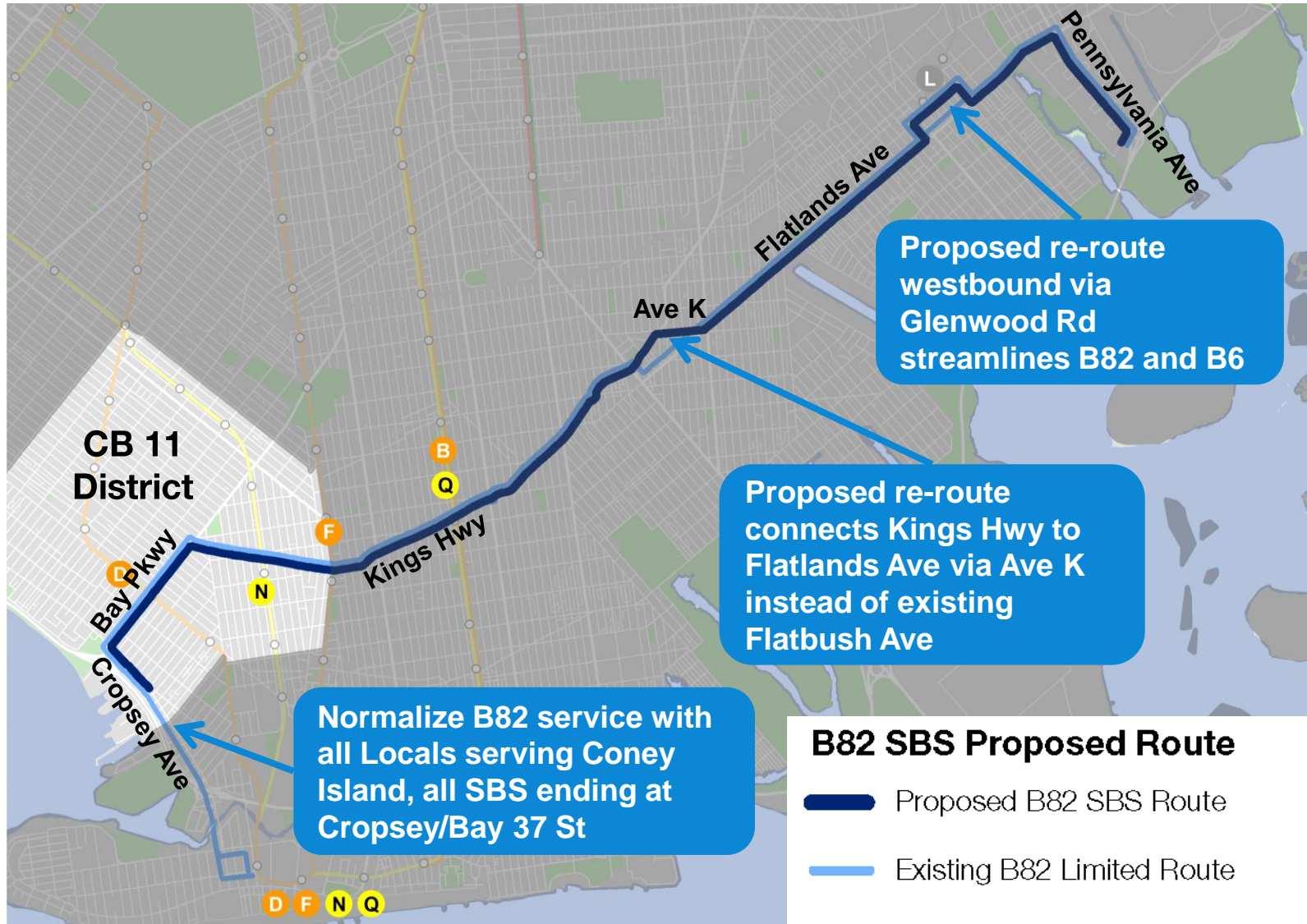
- Over 50% of trip spent delayed, crawling, or at bus stop
- Customers wait in long lines to pay on board the bus
- Bus stops lack amenities, not ADA accessible



B82 Safety Issues



B82 Route Changes

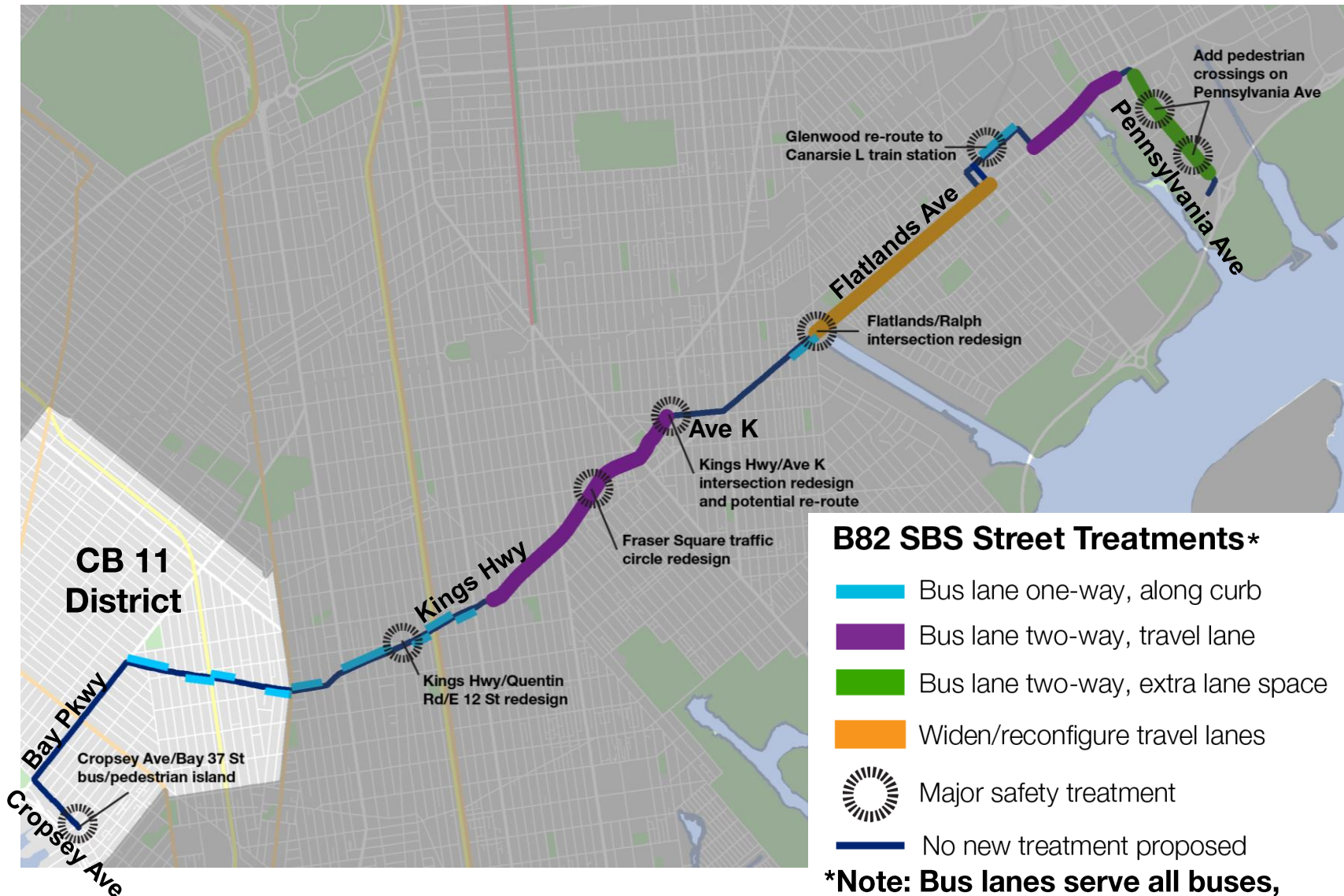


B82 SBS Stops

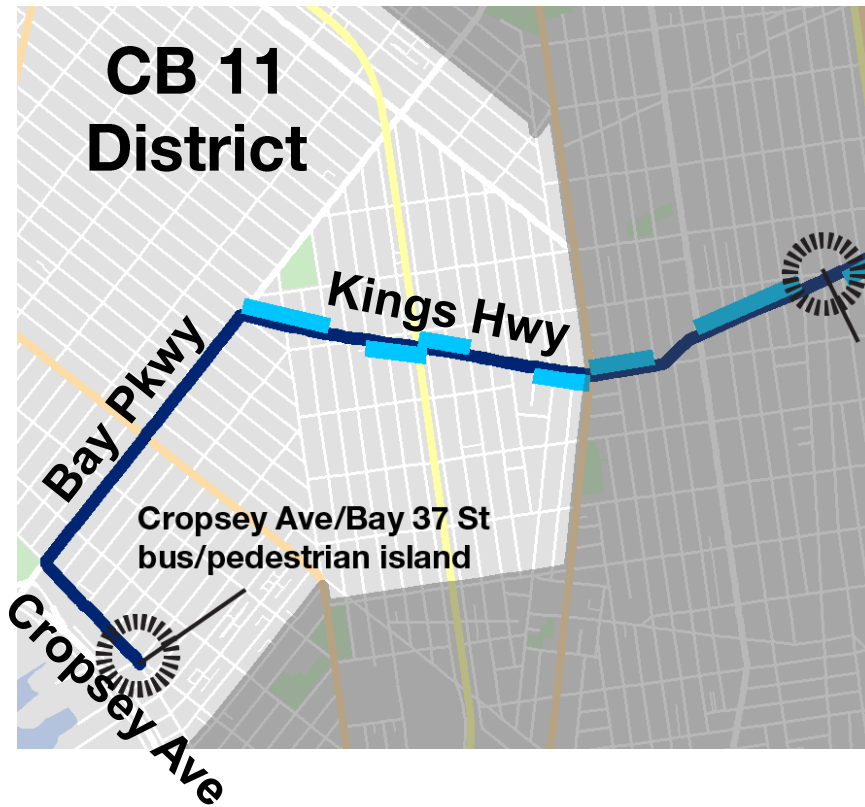


B82 SBS Proposed Designs

Proposed Street Treatments



District Treatments



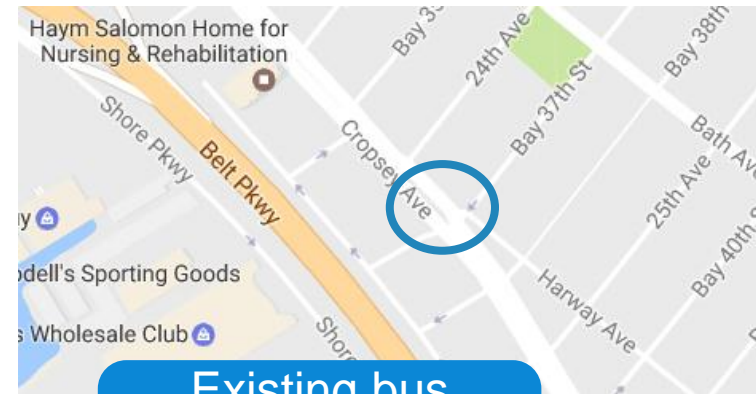
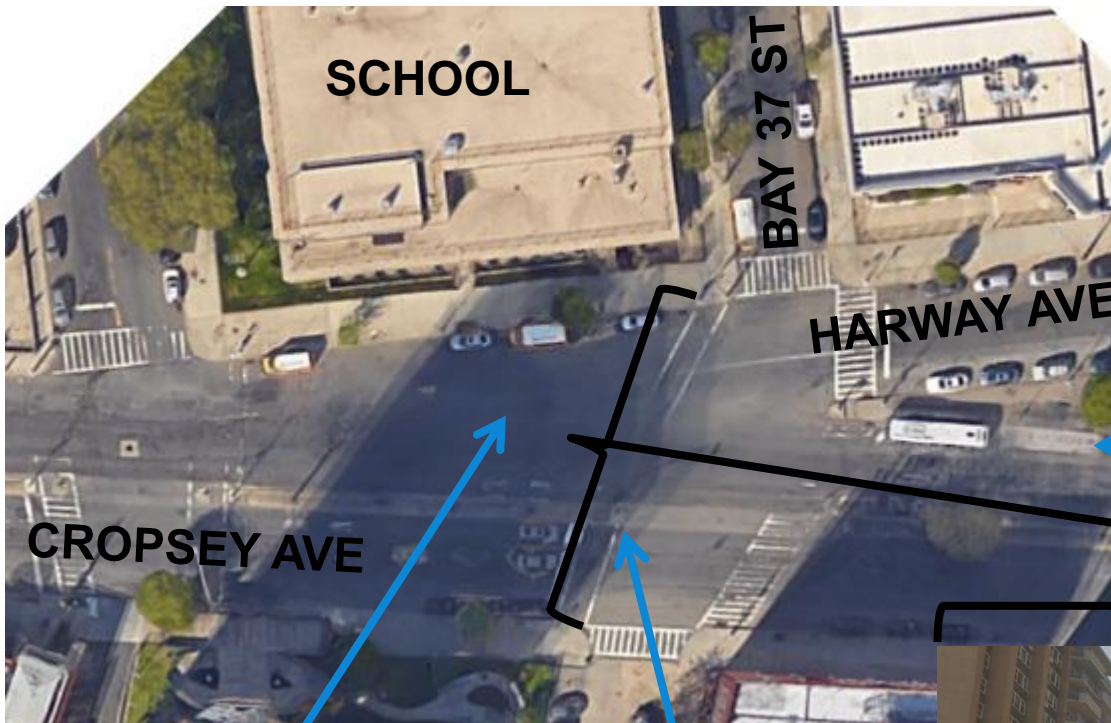
B82 SBS Street Treatments *

- 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:
 - Cropsey Ave/Bay 37 St bus/pedestrian island
 - Kings Hwy one-way curbside bus lanes, Bay Pkwy to McDonald Ave

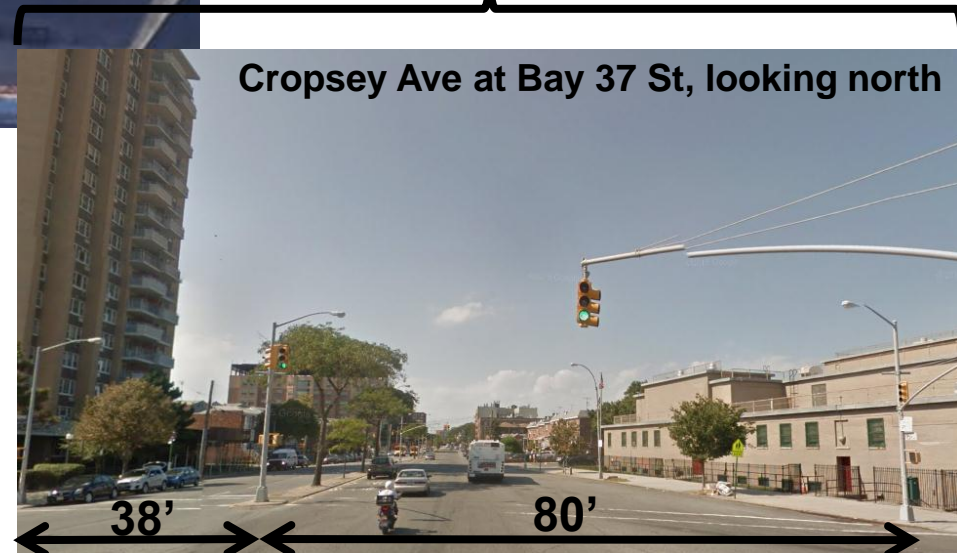
Existing: Cropsey Ave at Bay 37 St



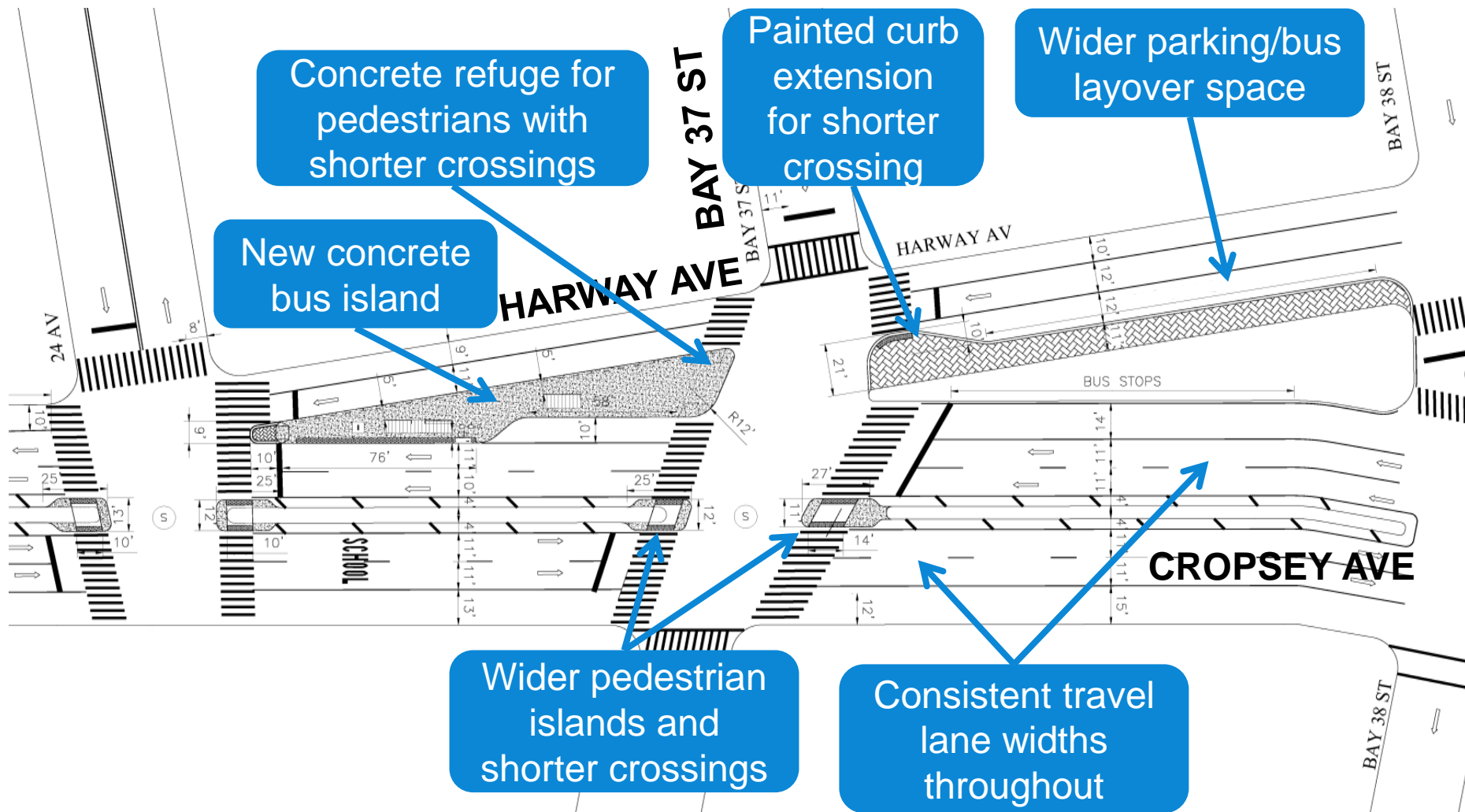
Existing bus island serves 4 routes + layovers

Very wide lanes this block, lack of clear merge

Long school crossings, faded markings

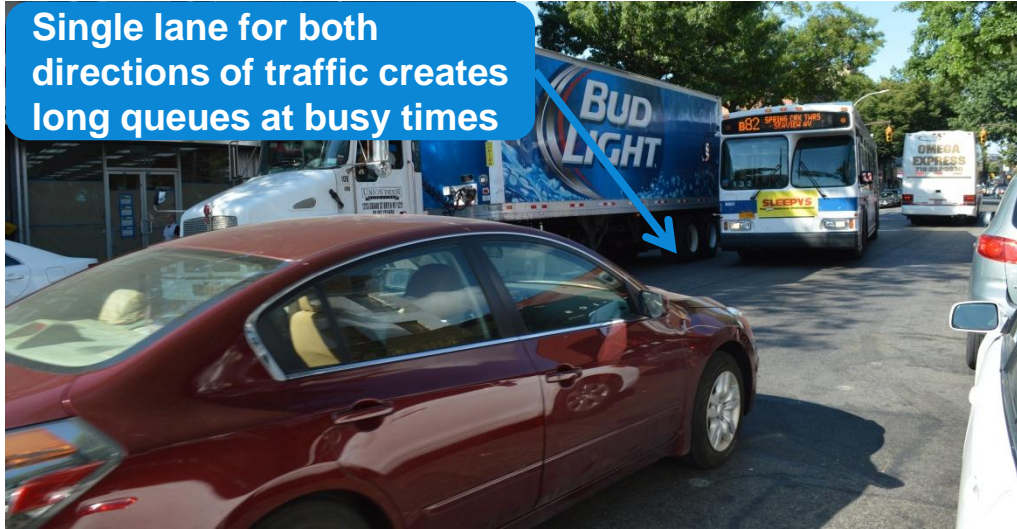


Proposed: Cropsey Ave at Bay 37 St



Existing: Kings Highway (Bay Pkwy to Ocean Ave)

Single lane for both directions of traffic creates long queues at busy times

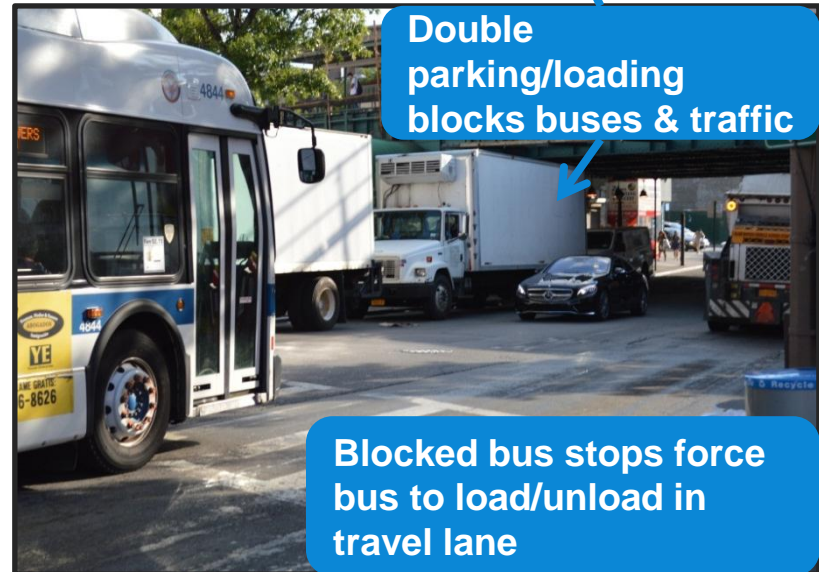


Truck unloading in bus stop



Bus unable to pull into stop, blocks lane

Double parking/loading blocks buses & traffic



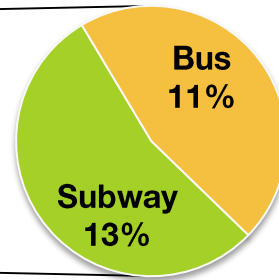
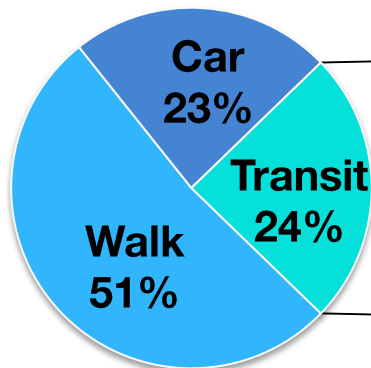
Blocked bus stops force bus to load/unload in travel lane

Kings Highway Shoppers Survey

- Surveys conducted March and April 2016
- Face-to-face interviews with 7,500 people on Kings Highway between W 10th St and Ocean Ave

How People Get to Kings Highway

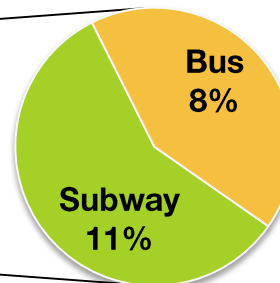
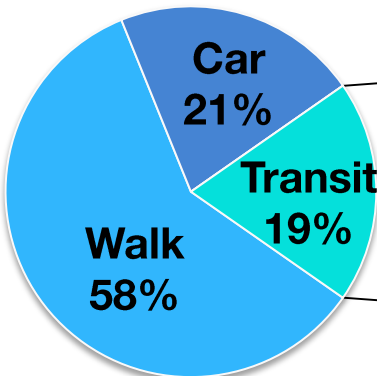
Weekday



Primary Purpose of Trip

1. Shopping (grocery, drug/discount store, clothing/shoes)
2. Work
3. Dining/restaurant
4. Medical

Weekend



1. Shopping (grocery, drug/discount store, clothing/shoes)
2. Dining/restaurant
3. Work
4. Personal errand

Kings Highway Business Survey

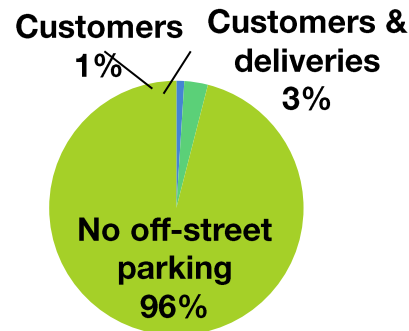
- Surveys conducted February and March 2016
- Interviews with 235 businesses along Kings Highway
- Questions on parking and delivery habits and needs

For how long does a customer normally visit your business?

85%

of businesses report typical visit is 1 hour or less

Does your business offer off-street parking for these uses:



0%

of businesses offer employee parking; many feed meters throughout day

What delivery/loading problems do you deal with?

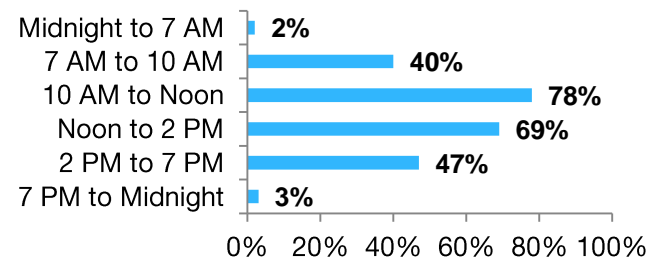
67%

of businesses report double parking interferes with deliveries

46%

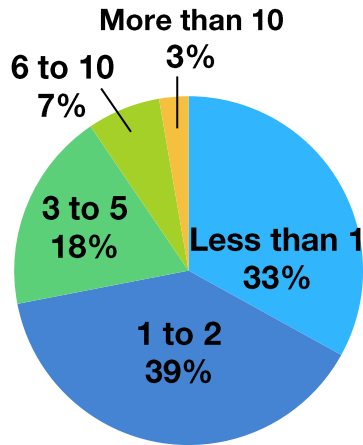
of businesses report vehicles at curb interfere with deliveries

At what times does your business typically receive deliveries?



Kings Highway Business Survey

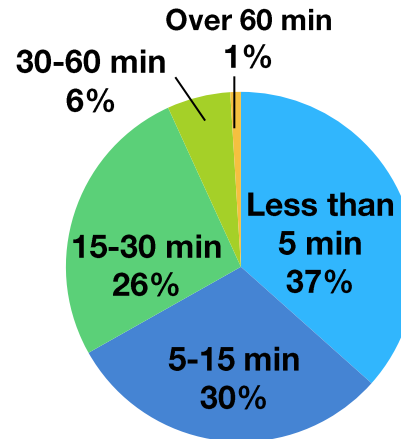
How many deliveries do you receive on a typical weekday?



2/3

of businesses receive 1 or more deliveries per day

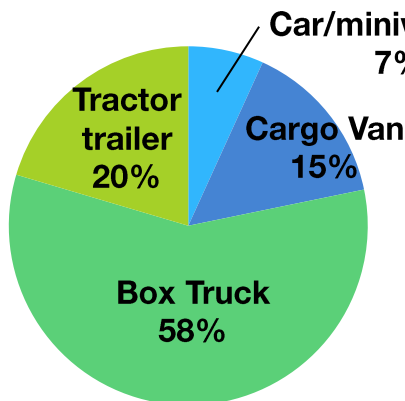
How long do deliveries typically take?



2/3

of deliveries take 15 minutes or less

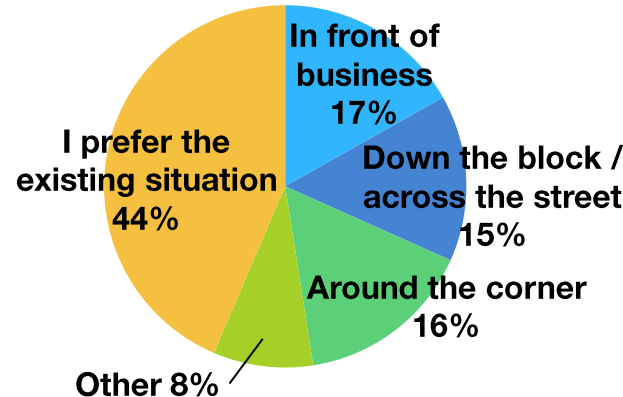
How do deliveries arrive?



80%

of deliveries arrive by box truck or smaller vehicle

What type of delivery zone would be most helpful for your business?



48%

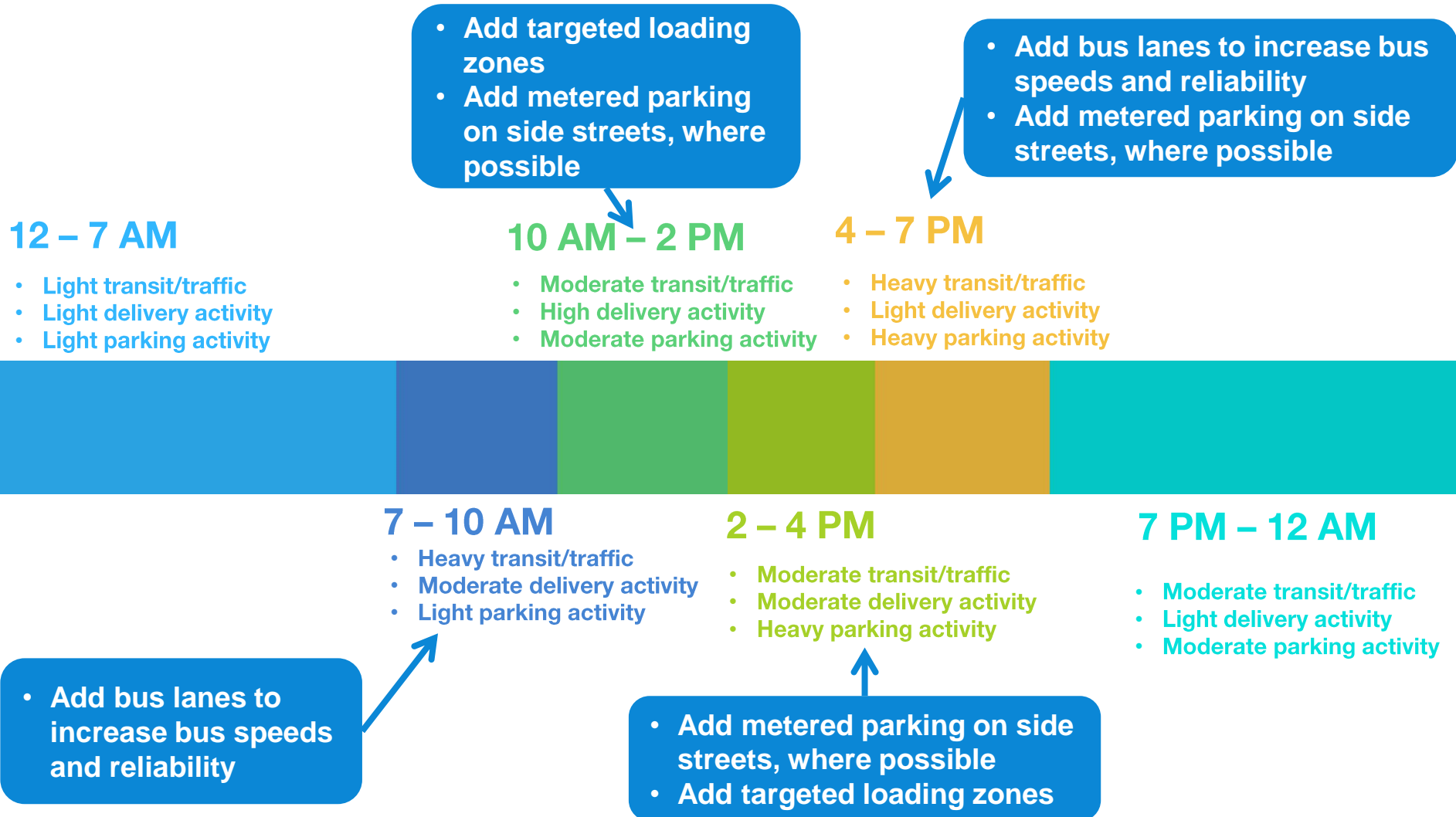
of businesses would find a delivery zone helpful

Survey & Time Lapse Takeaways

- Large majority of people coming to Kings Highway arrive without a car, either on foot or by transit
- For those who drive, parking is on-street, in demand especially 12-7 PM, short visits per business (< 1 hr), availability limited by meter-feeding throughout day
- Deliveries are common, often short, occur most frequently 10 AM – 2 PM, in small trucks or vans, often hindered by parking/double parking activity
 - About half of businesses would find nearby delivery zone useful

Proposed: Kings Highway (Bay Pkwy to Ocean Ave)

Kings Highway in 24 Hours



Proposed: Kings Highway (Bay Pkwy to Ocean Ave)



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: Cropsey Ave/Bay 37 St bus/pedestrian island

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

