

B82 Southern Brooklyn Select Bus Service

For presentation to CB 11 Transportation Committee | February 15, 2018



Overview

- **Project Background**
- **B82 SBS Plan & Street 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 28,000 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



Community Engagement

- **Borough Hall Kickoff Meeting (2015)**
- **Online Feedback Portal**
 - Site is still live at nycdotfeedbackportals.nyc
- **Stakeholder Meetings**
 - 40+ meetings to date across the corridor
 - Civic associations, schools, senior centers, libraries, places of worship, medical centers
- **On-Street Outreach**

Over 1500 passengers reached at 12 Bus Stops

 - 3000 project information cards distributed
- **Community Board Meetings**



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

CB 11 District Outreach

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
- CM Williams 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
- Stakeholder meeting with Kings Hwy Beautification Association, Edith and Carl Marks Center
- Magen David Yeshiva Discussion

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
- CB18 Leadership Meeting
- CM Williams Town Hall Meeting
- CB5, CB11, CB14, CB15, CB18
- United Canarsie South Civic Association
- 2nd NYCHA Breukelen Houses Presentation
- Edith and Carl Marks Center briefing & bus stop discussion

2018

- Kings Hwy Beautification Association site visit
- CB5

Community Engagement

- **What We Heard From You Last Time (April 2017):**
 - **Concern about changes to parking hours along Kings Hwy to accommodate bus lanes**
 - **Interested in CB-specific data for the Kings Hwy shoppers survey**
 - **Questions about bus ridership in CB11**
 - **Questions about how bus lanes will be enforced**

B82 Safety Issues – CB 11

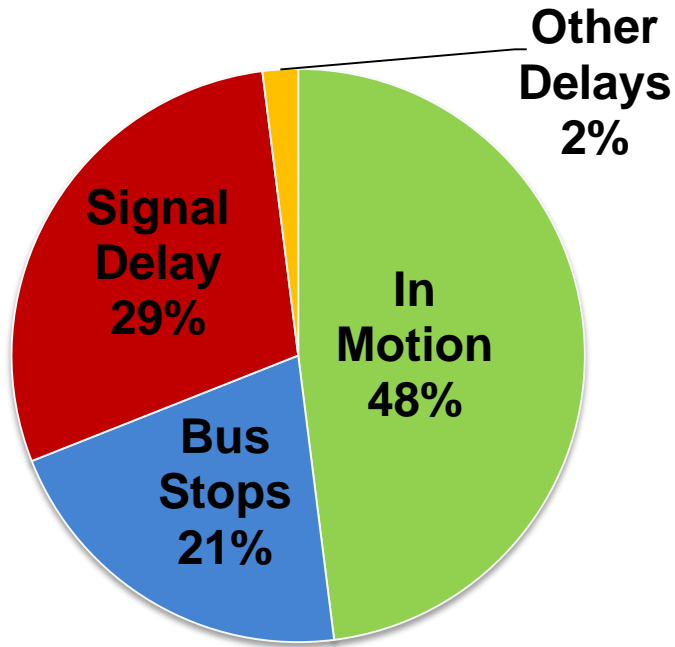


- Vision Zero is a multiagency effort to reduce traffic fatalities
- Improving safety is a goal of all DOT projects

Key Safety Issues Identified along the B82 Route in CB 11:

- Long pedestrian crossings along Cropsey Ave
- Driveways in bus stop at Bay Pkwy & Bath Ave
- Limited visibility at some intersections
- Difficult bus turn and crossing at Bay Pkwy and Kings Hwy

B82 Transit Issues – CB 11



- Buses are delayed by traffic, double parking, difficulty pulling in and out of bus stops
- Customers wait in long lines to pay on board the bus
- Some bus stops lack amenities (seating, shelters, countdown clocks, etc.)



Riding the B82



(Video)

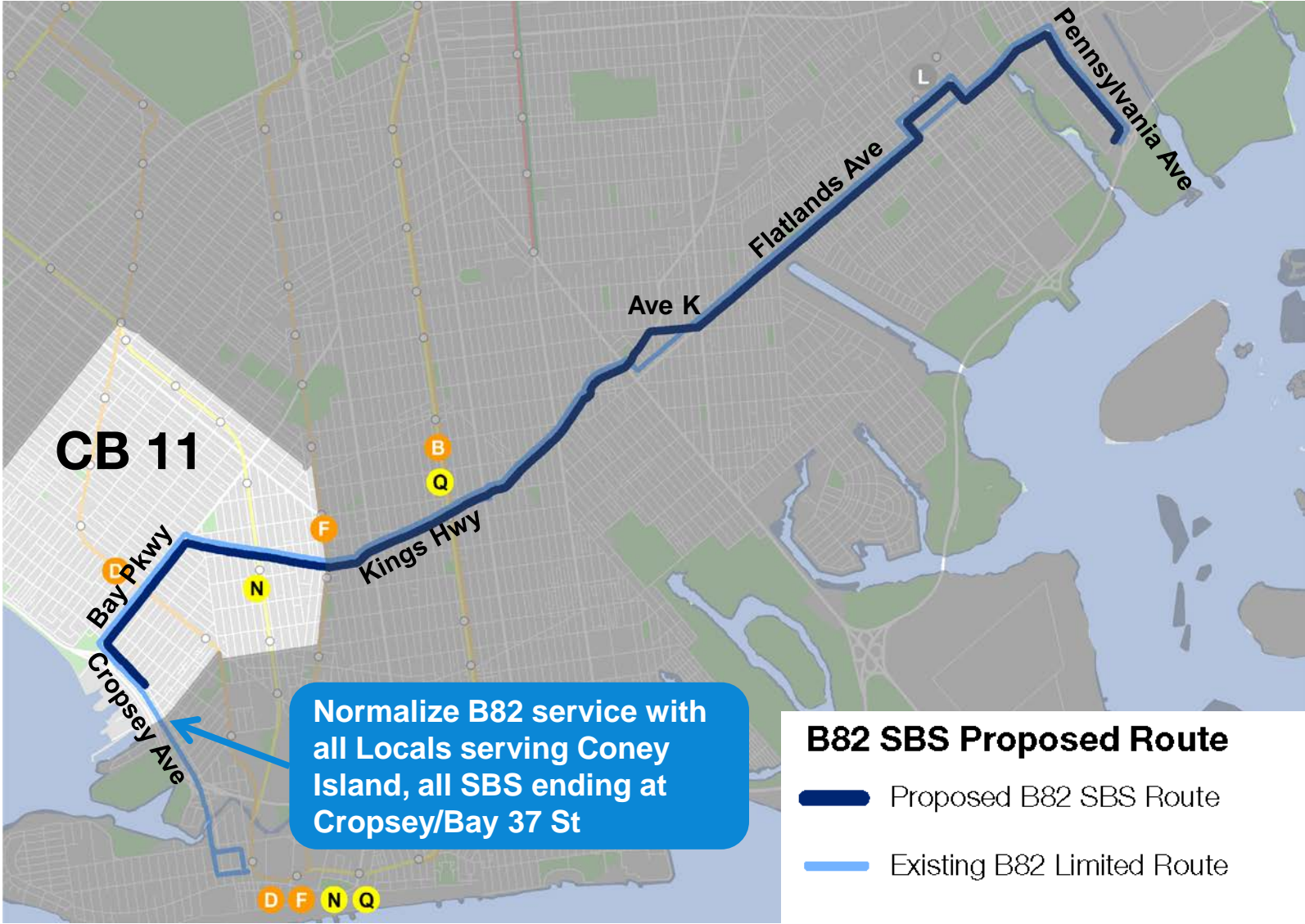
What is it like riding the B82?

B82 Limited is Becoming B82 SBS

- B82 SBS will begin at Cropsey Ave & Bay 37 St and serve the **same stops as the existing B82 Limited**
- B82 SBS will **operate for more hours of the day** than the B82 Limited (existing service does not operate mid-day or evenings)
- **All current stops will be served by the B82 Local**, except for two stops planned for removal due to close proximity to nearby stops:
 - Kings Hwy at W 9 St, eastbound
 - Kings Hwy at Van Sicklen, eastbound



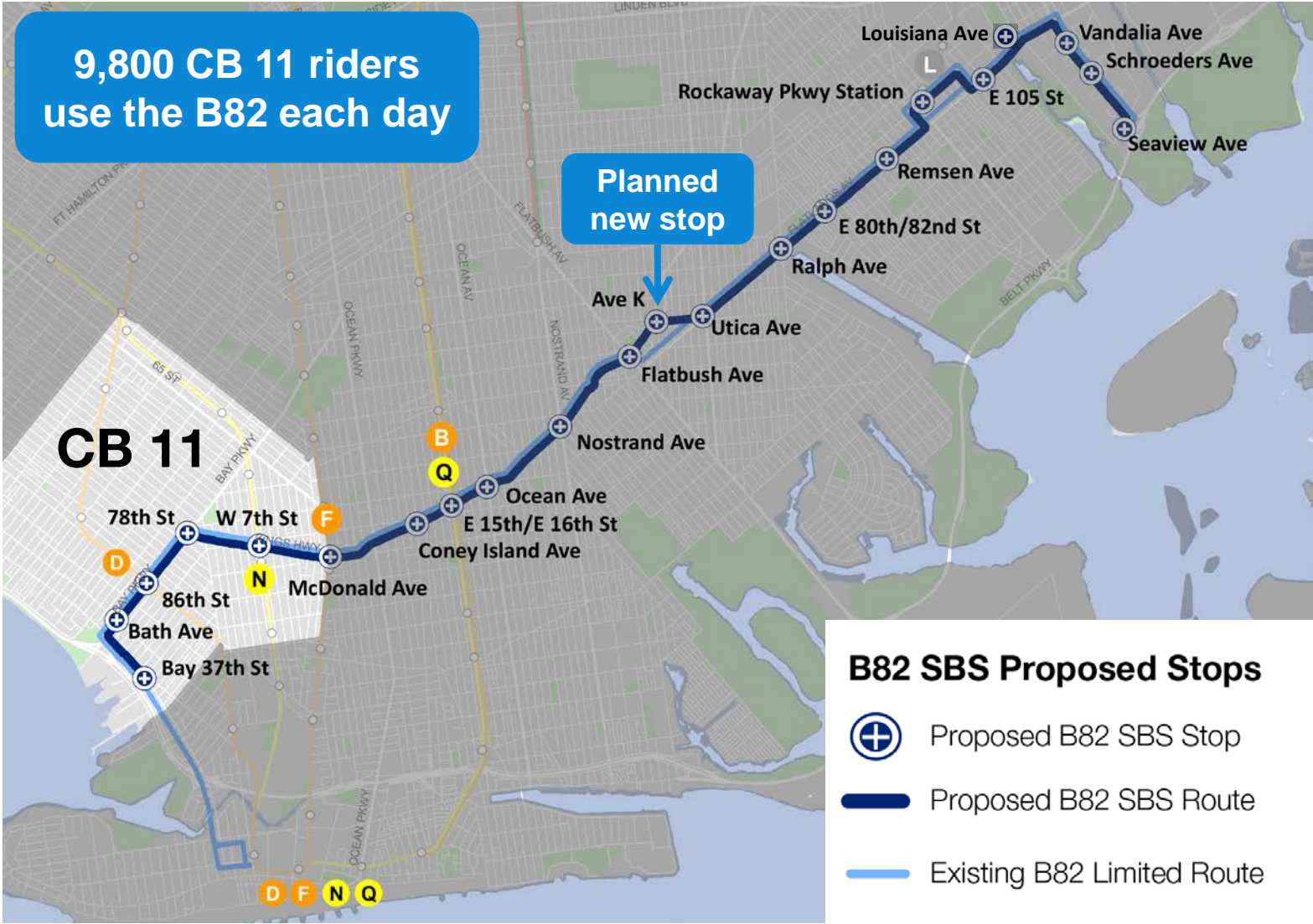
B82 Route Changes






B82 SBS Stops

9,800 CB 11 riders use the B82 each day

Planned new stop



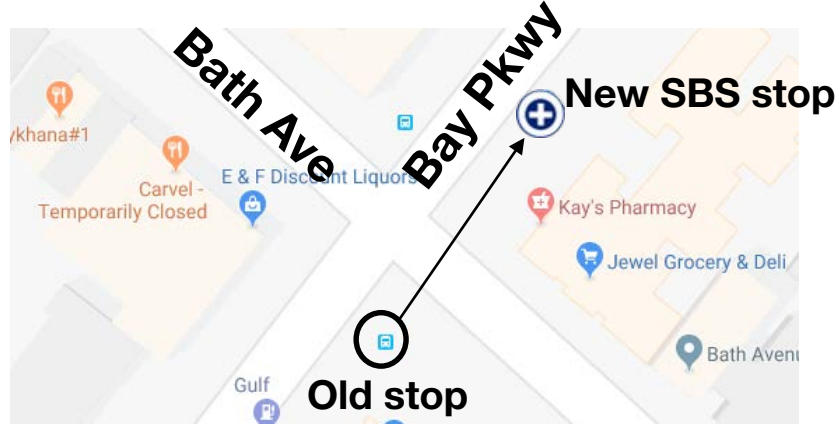
B82 SBS Proposed Stops

-  Proposed B82 SBS Stop
-  Proposed B82 SBS Route
-  Existing B82 Limited Route

B82 SBS Stops: 2018 Changes

Two B82 SBS stops are planned to be moved on Bay Pkwy:

- 1. **Bay Pkwy at Bath Ave**, eastbound stop (move out of gas station driveways to wider, clear sidewalk across Bath Ave)



Existing stop in gas station driveway

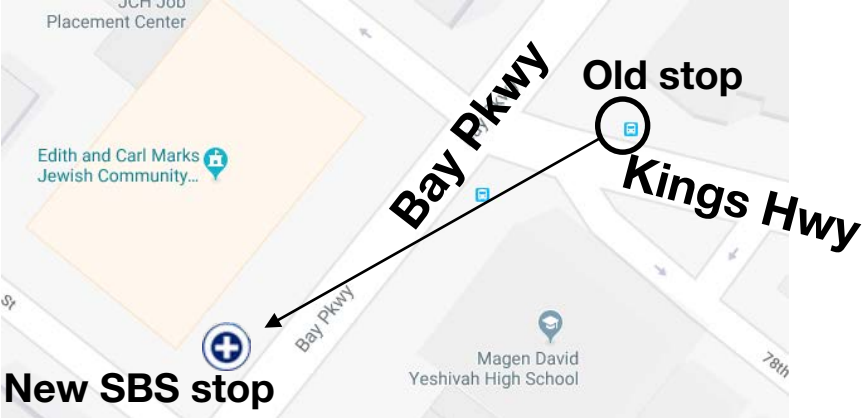


Planned stop location

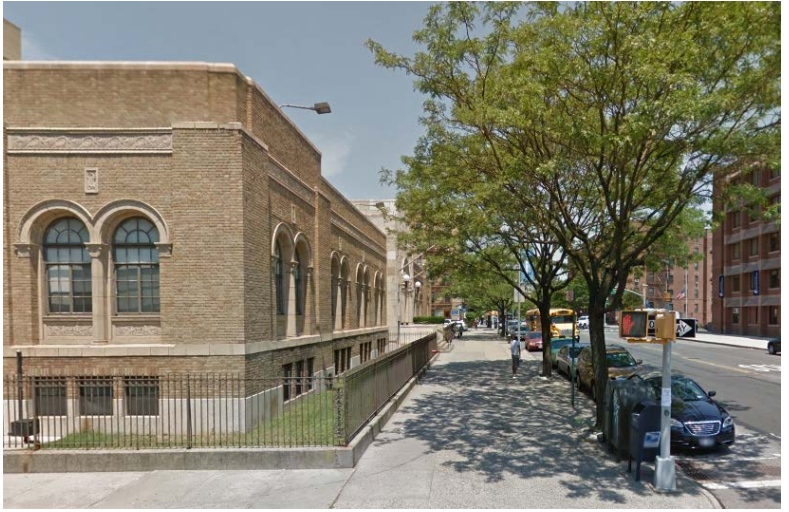
B82 SBS Stops: 2018 Changes

Two B82 SBS stops are planned to be moved on Bay Pkwy:

- 2. **Bay Pkwy at Kings Hwy**, westbound stop (move in front of JCH Bensonhurst to provide direct pickups /drop-offs, allow for safer bus left turns)



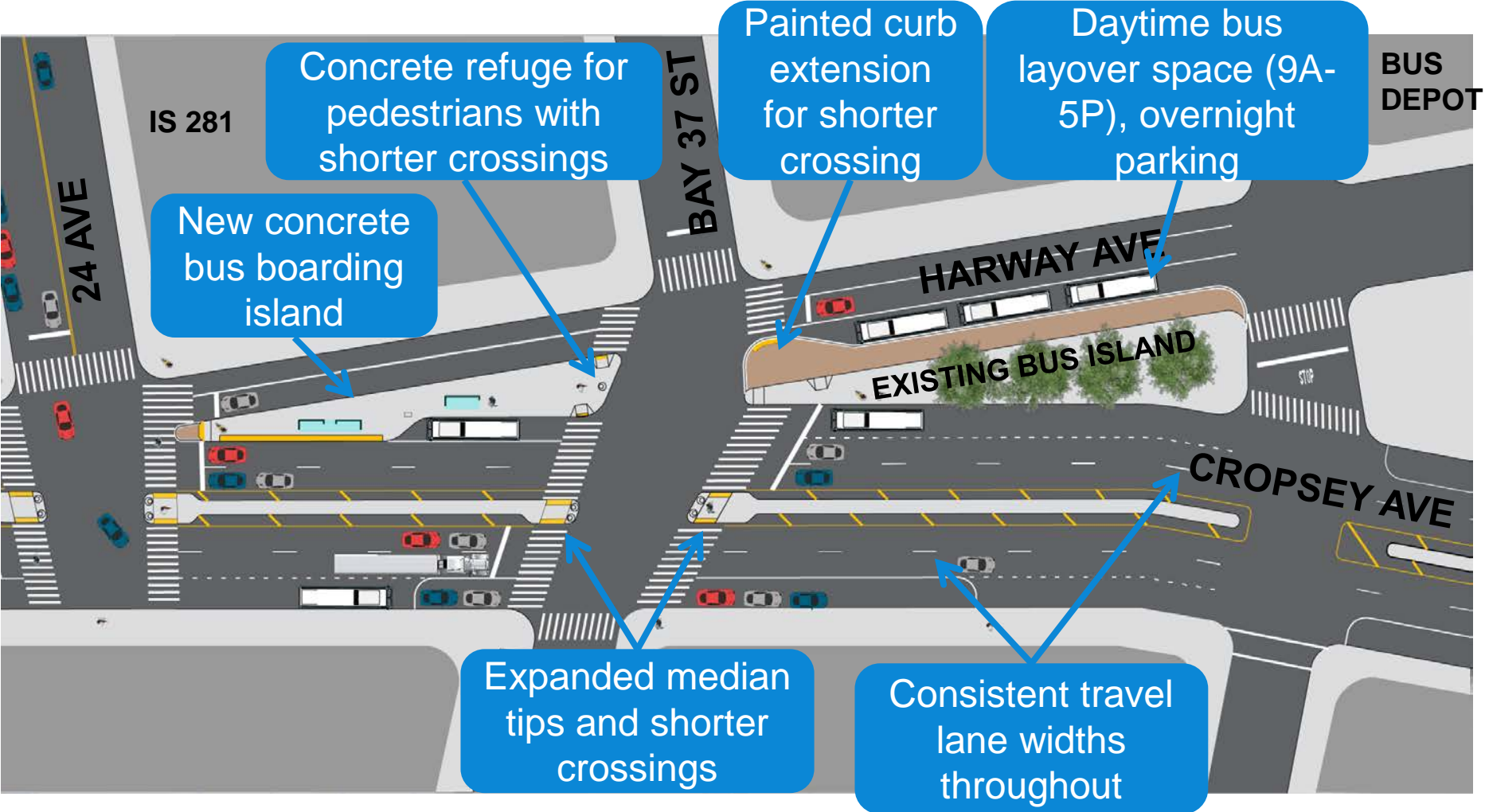
Existing stop



Planned stop in front of JCH

B82 SBS Street Changes

Cropsey Ave at Bay 37 St: 2018 Changes



Kings Highway

- Narrow roadway with one lane in each direction
- Important east-west transit corridor
 - Connects to 3 subway stations in CB 11 (D, N, F)
- Local truck route
- Issues with double parking blocking the street, buses unable to pull into bus stops, frequent truck loading



Narrow lanes & truck loading

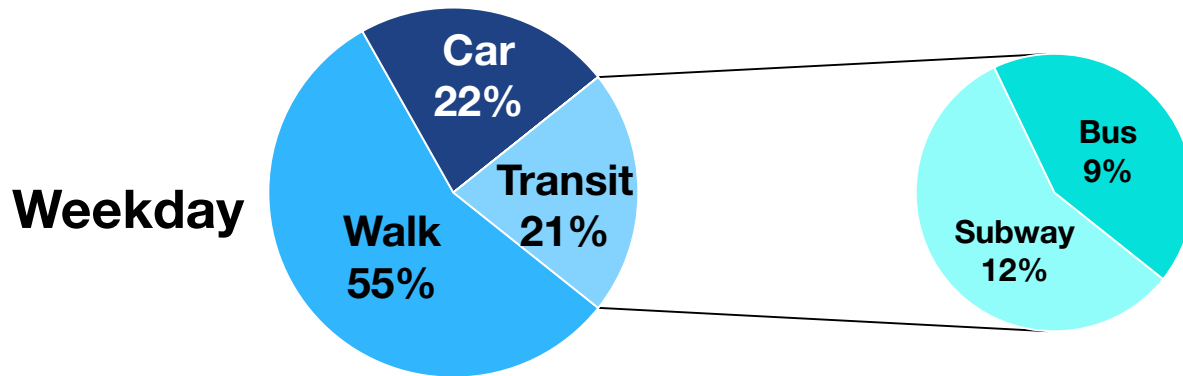


Trucks blocking bus stops

Kings Highway Shoppers Survey: CB 11 Results

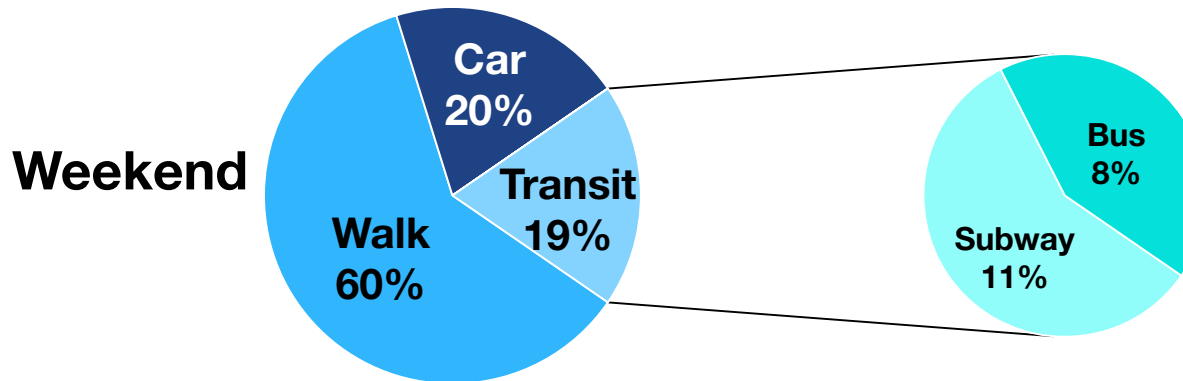
- Face-to-face interviews with 2,500 people on Kings Highway between W 10th St and McDonald Ave

How People Get to Kings Highway



Primary Purpose of Trip

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



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

Kings Highway Business Survey: CB 11 Results

- Interviews with 75 businesses in CB 11
- Questions on delivery and loading needs

What delivery/loading problems do you deal with?

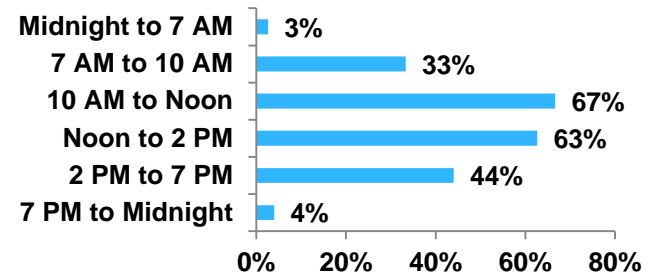
16%

of businesses report double parking interferes with deliveries

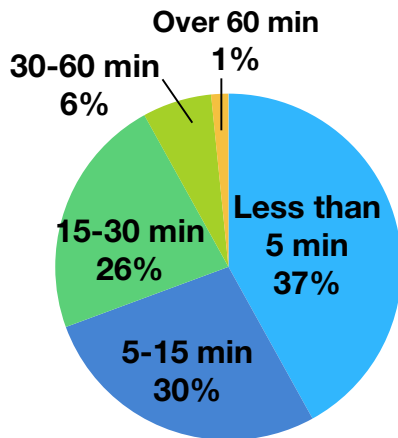
12%

of businesses report vehicles at curb interfere with deliveries

At what times does your business typically receive deliveries?



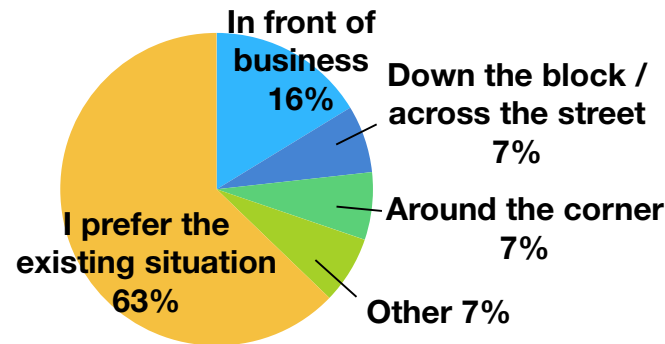
How long do deliveries typically take?



2/3

of deliveries take 15 minutes or less

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



30%

of businesses would find a delivery zone helpful

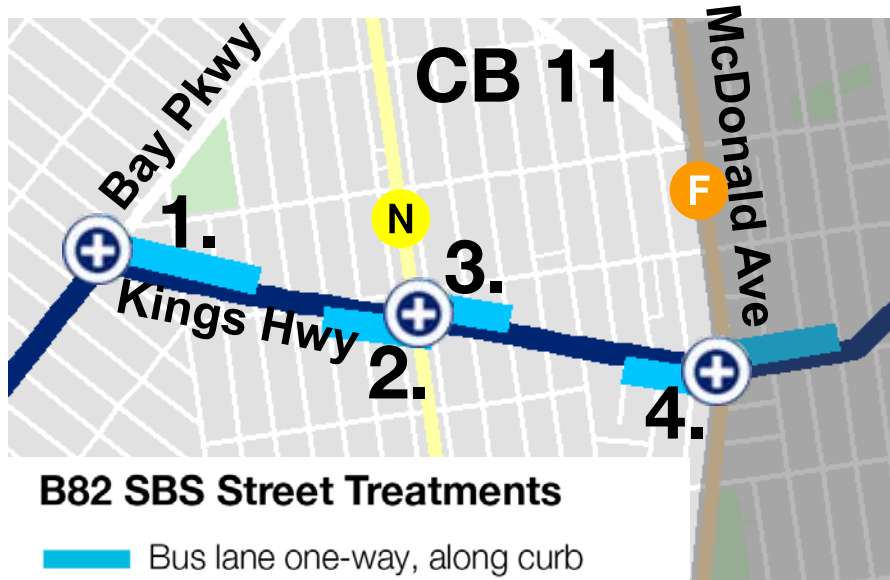
Study Takeaways

- Large majority of people (**75-80%**) coming to Kings Highway arrive without a car, either on foot or by transit
- Kings Highway is often blocked by standing/double parked trucks and cars
- Businesses need to receive deliveries most frequently 10 AM – 2 PM, some have trouble accessing the curb
 - About 1/3 of businesses would find nearby delivery zone useful
- **As the area continues to grow and develop, there is a need to move more people in the same amount of street space**

A Look at Street Space...



Kings Hwy: 2018 Transit Improvements



Bus Lane Segments in CB 11:

1. Bay Pkwy to W 12 St (westbound)
2. W 10 St to W 7 St (eastbound)
3. W 8 St to W 5 St (westbound)
4. Van Sicklen St to McDonald Ave (eastbound)

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



Bus lanes in effect 7-10 AM & 4-7 PM to help move the most people at the busiest times

2 bus stops being discontinued and replaced with parking due to close proximity to adjacent stops:

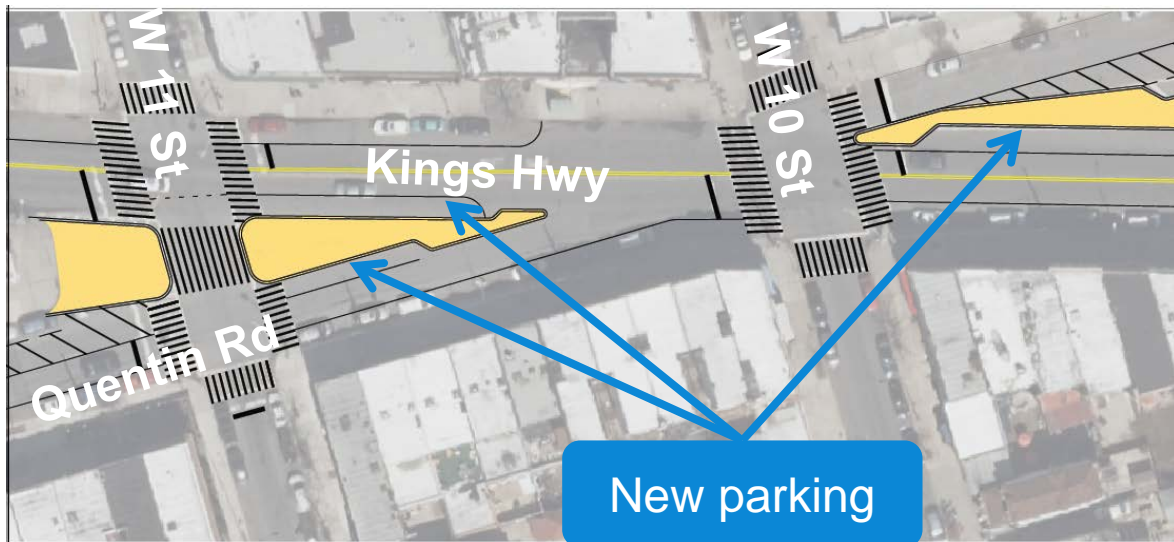
- W 9 St, eastbound B82 Local stop
- Van Sicklen, eastbound B82 Local stop

Kings Hwy: Safety Improvements



Existing street markings, with large striped medians (“dead space”):

1. Kings Hwy & W 11 St
2. Quentin Rd & W 11 St
3. Kings Hwy & W 10 St



New painted space provides a more visible refuge for pedestrians crossing the street

New pedestrian spaces also allow us to add new parking spaces along Kings Hwy

Kings Highway: 2018 Curbside Changes

Kings Hwy curbside changes in CB 11 to improve bus service and accommodate parking & loading:

	<u># of Parking Spaces</u>
• <u>Part-time</u> spaces used for bus lanes:	-56
• 7-10 AM, 4-7 PM	
• <u>Full-time</u> spaces removed for lengthening SBS stops:	-10
• <u>New full-time</u> spaces created:	+23

With these changes to the previous draft plan, the net change to parking in CB 11 for transit improvements is one 24-hour parking spot

Next Steps

Winter 2018 – Ongoing Now

- Present final plan to community boards and elected officials
- Continue stakeholder outreach
- Construction at B82 SBS stops to provide power for fare machines, lighted bus shelters, wayfinding totems with countdown clocks

Spring – Summer 2018

- Implement project street designs and install SBS stop amenities
- July 2018: 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



Appendix

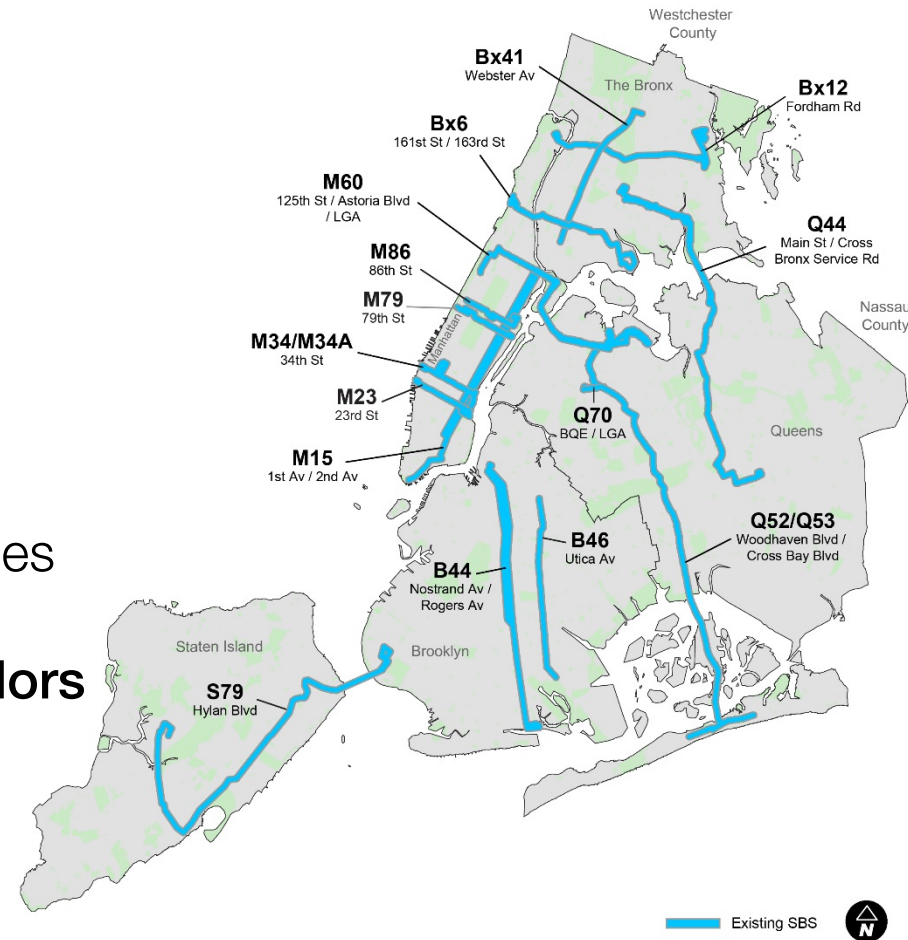
Select Bus Service in New York City

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 15 Select Bus Service corridors in operation serving all 5 boroughs.



Select Bus Service Features

Dedicated Bus Lanes



Signal Priority for Buses



Off-Board Fare Collection



All-Door Boarding



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

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

Select Bus Service Features

Improved Station Amenities



Real-Time Passenger Information



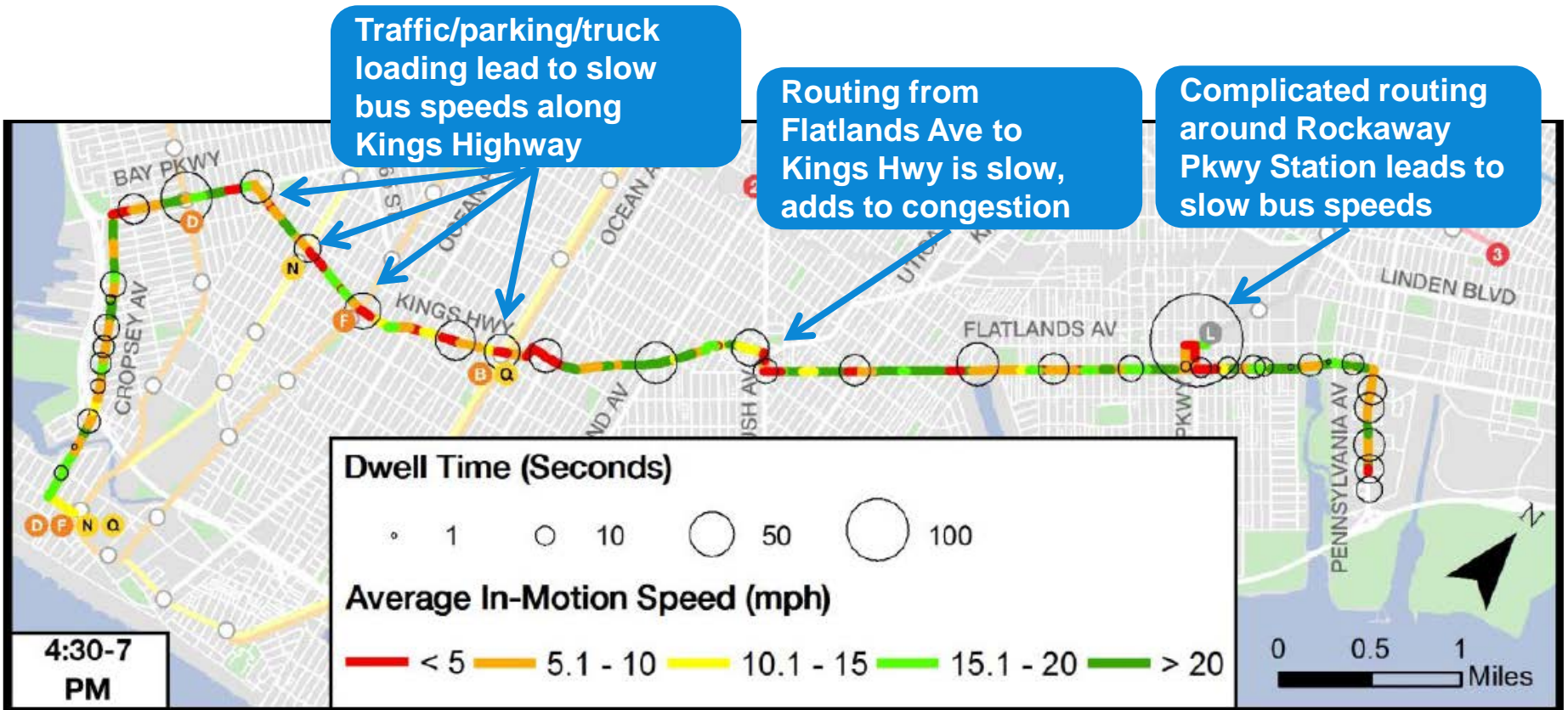
- **More attractive, appealing** bus stops
- **Better trip information** for riders to **know when** the bus is coming
- **More comfortable wait** for the bus

Pedestrian Safety Improvements



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

Existing B82 Bus Speeds



B82 Westbound, 4:30-7 PM

Kings Highway: 2018 Changes

Kings Hwy changes in CB 11 to improve bus service and accommodate parking & loading:

	<u>Spaces</u>	<u>Space-Hours*</u>
• Kings Hwy part-time bus lanes (7-10 AM, 4-7 PM):	-56	-336
• Full-time spaces removed for lengthening SBS stops:	-10	-240
• New full-time spaces created along new medians:	+15	+360
• New full-time spaces created from removing 2 bus stops:	+8	+192
• Total:		-24

*Space-Hours refers to number of spaces multiplied by hours of parking affected