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 \textcolor{blue}{DNFBL} 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
<table>
<thead>
<tr>
<th>Year</th>
<th>Event Description</th>
</tr>
</thead>
</table>
| 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  
• 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.)

In Motion 48%

Signal Delay 29%

Bus Stops 21%

Other Delays 2%
Riding the B82

What is it like riding the B82?

(Video)
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

Normalize B82 service with all Locals serving Coney Island, all SBS ending at Cropsey/Bay 37 St

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

CB 11

9,800 CB 11 riders use the B82 each day
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

- New concrete bus boarding island
- Concrete refuge for pedestrians with shorter crossings
- Expanded median tips and shorter crossings
- Painted curb extension for shorter crossing
- Daytime bus layover space (9A-5P), overnight parking
- Consistent travel lane widths throughout
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
Kings Highway Shoppers Survey: CB 11 Results

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

**How People Get to Kings Highway**

<table>
<thead>
<tr>
<th>Mode</th>
<th>Weekday</th>
<th>Weekend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Car</td>
<td>22%</td>
<td>20%</td>
</tr>
<tr>
<td>Walk</td>
<td>55%</td>
<td>60%</td>
</tr>
<tr>
<td>Transit</td>
<td>21%</td>
<td>19%</td>
</tr>
<tr>
<td>Bus</td>
<td>12%</td>
<td>11%</td>
</tr>
<tr>
<td>Subway</td>
<td>9%</td>
<td>8%</td>
</tr>
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<td>8%</td>
</tr>
</tbody>
</table>

**Primary Purpose of Trip**

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

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

- **30%** of businesses would find a delivery zone helpful
  - In front of business: 16%
  - Down the block / across the street: 7%
  - Around the corner: 7%
  - Other: 7%

How long do deliveries typically take?

- **2/3** of deliveries take 15 minutes or less
  - Less than 5 min: 37%
  - 5-15 min: 30%
  - 15-30 min: 26%
  - 30-60 min: 6%
  - Over 60 min: 1%

At what times does your business typically receive deliveries?

- 7 AM to 10 AM: 33%
- 10 AM to Noon: 63%
- Noon to 2 PM: 44%
- 2 PM to 7 PM: 44%
- 7 PM to Midnight: 33%
- Midnight to 7 AM: 3%
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:

- Part-time spaces used for bus lanes: -56
  - 7-10 AM, 4-7 PM

- Full-time spaces removed for lengthening SBS stops: -10

- New full-time 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
Appendix
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

- 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**
- More attractive, appealing bus stops

**Real-Time Passenger Information**
- 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

Traffic/parking/truck loading lead to slow bus speeds along Kings Highway

Routing from Flatlands Ave to Kings Hwy is slow, adds to congestion

Complicated routing around Rockaway Pkwy Station leads to slow bus speeds

Dwell Time (Seconds)

Average In-Motion Speed (mph)

B82 Westbound, 4:30-7 PM
## Kings Highway: 2018 Changes

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

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

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