

B82 Southern Brooklyn Select Bus Service

June 21, 2017 – Community Board 18



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



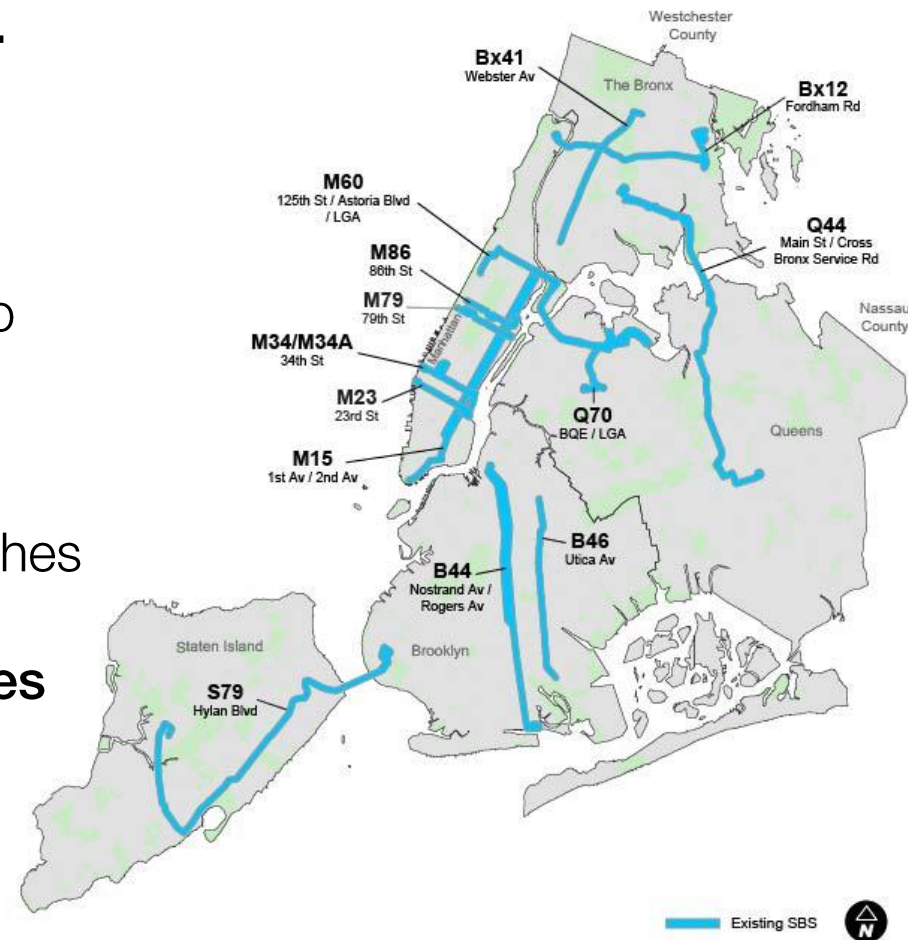
Select Bus Service in New York City

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 13 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)
 - **28** 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

CB 18 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

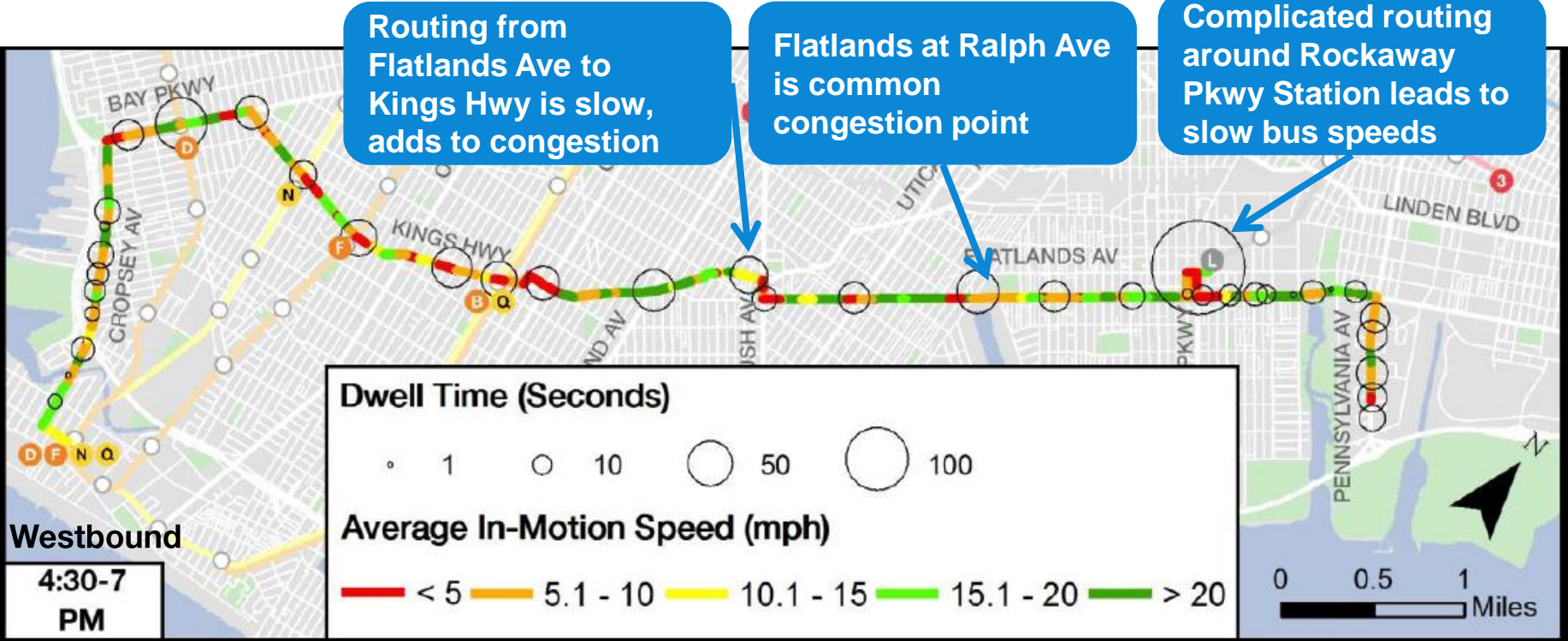
2016 *continued*

- CM Greenfield Briefing
- Magen David Yeshiva Discussion
- Christian Cultural Center Traffic Observation
- Kings Hwy @ Fraser Square Constituent Walkthrough

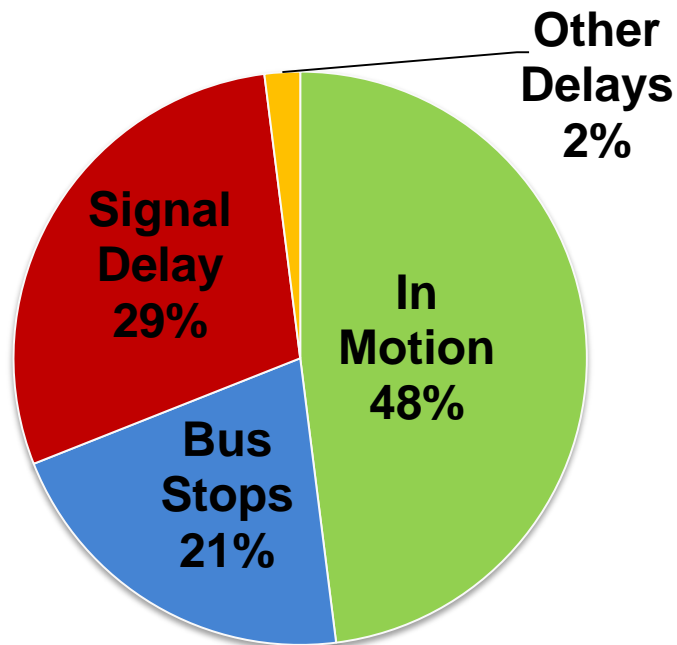
2017

- 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
- CB5, CB11, CB 14, CB15
- United Canarsie South Civic Association

Existing B82 Bus Speeds



B82 Transit Issues



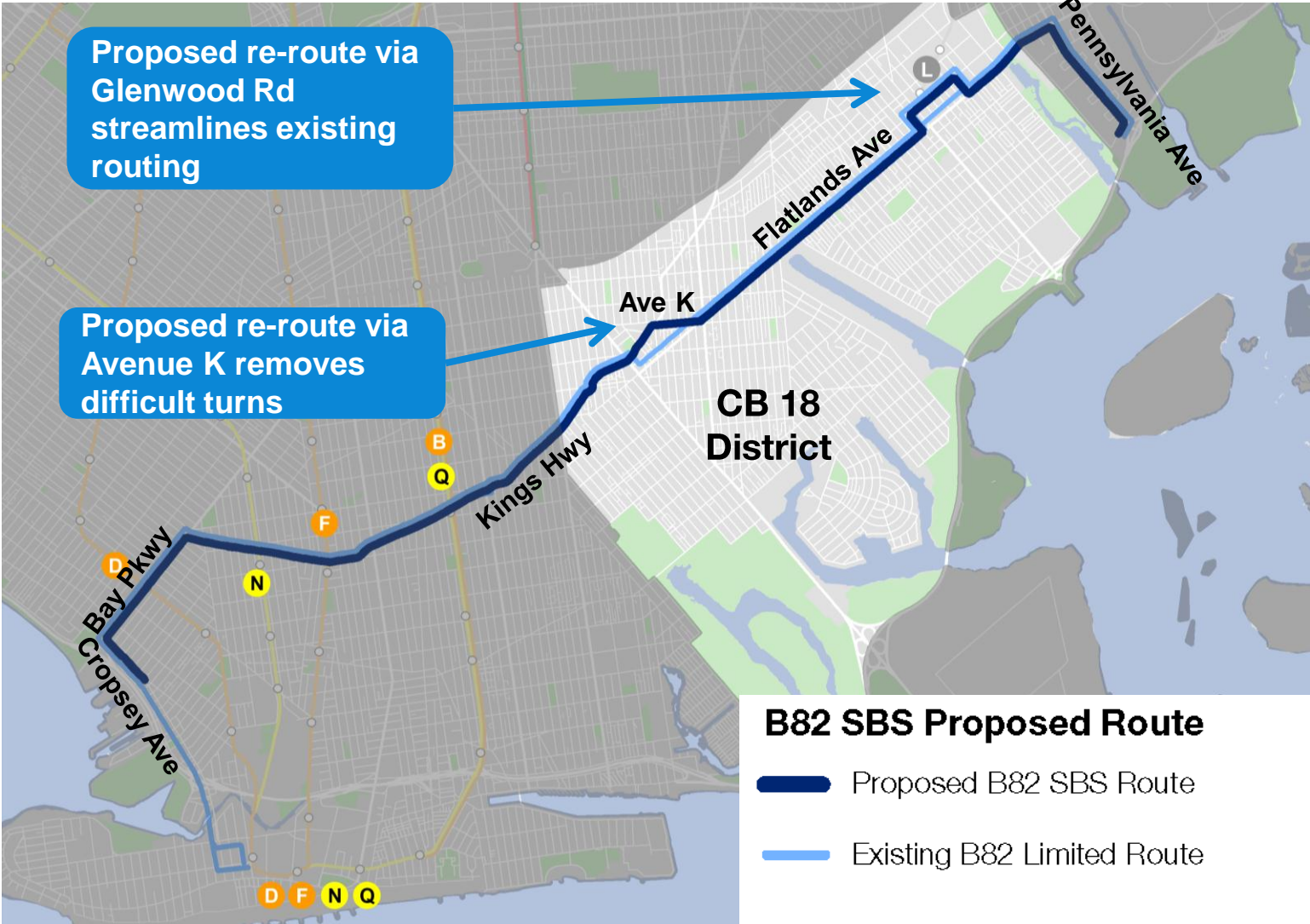
- Over 50% of trip spent at red lights, crawling, or at bus stops
- Customers wait in long lines to pay on board the bus
- Bus stops lack amenities, not ADA accessible



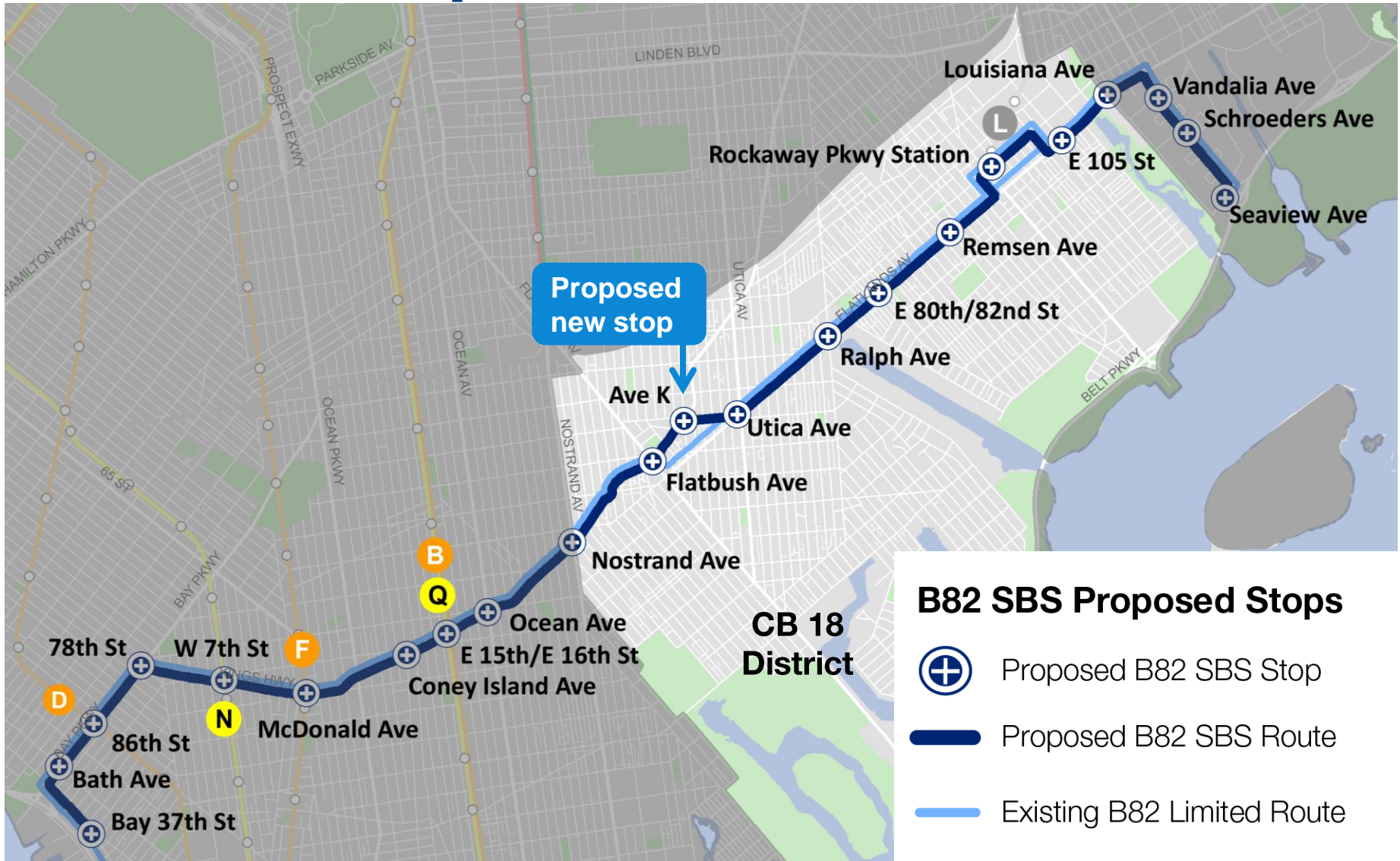
B82 Safety Issues



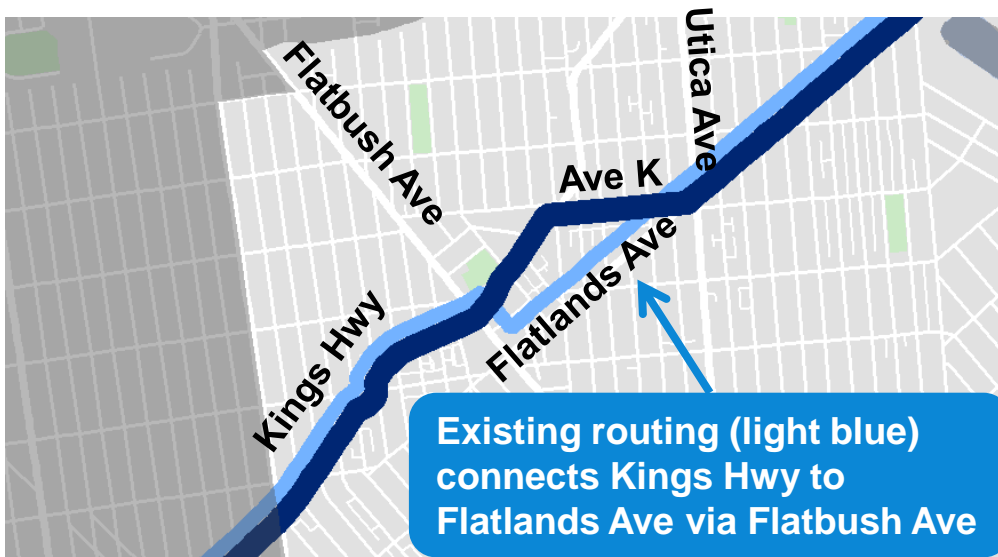
B82 Route Changes



B82 SBS Stops



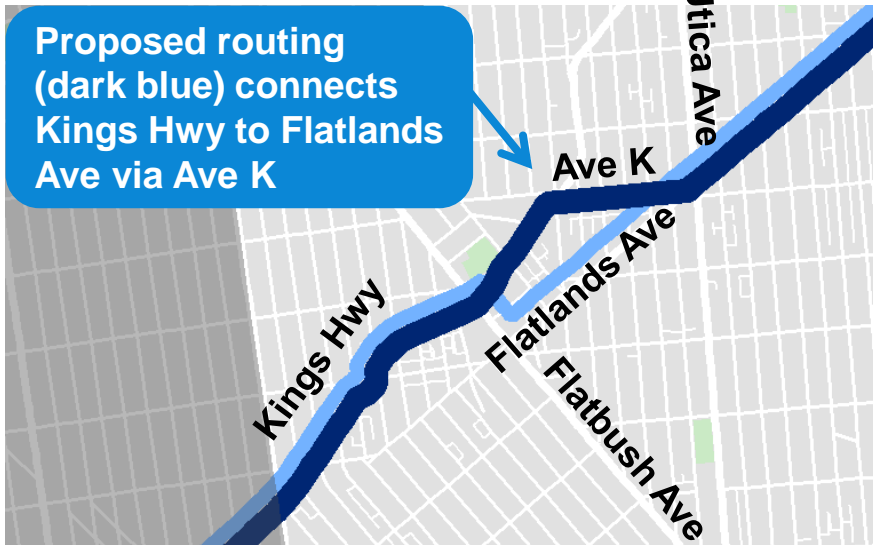
Existing B82 routing (via Flatbush Ave)



- Issues with existing routing:
 - Difficult bus turns across heavy traffic
 - Adds to Flatbush Ave congestion
 - Slow bus speeds on narrow portion of Flatlands Ave (2 lanes, 42' wide)



Proposed B82 routing (via Ave K)

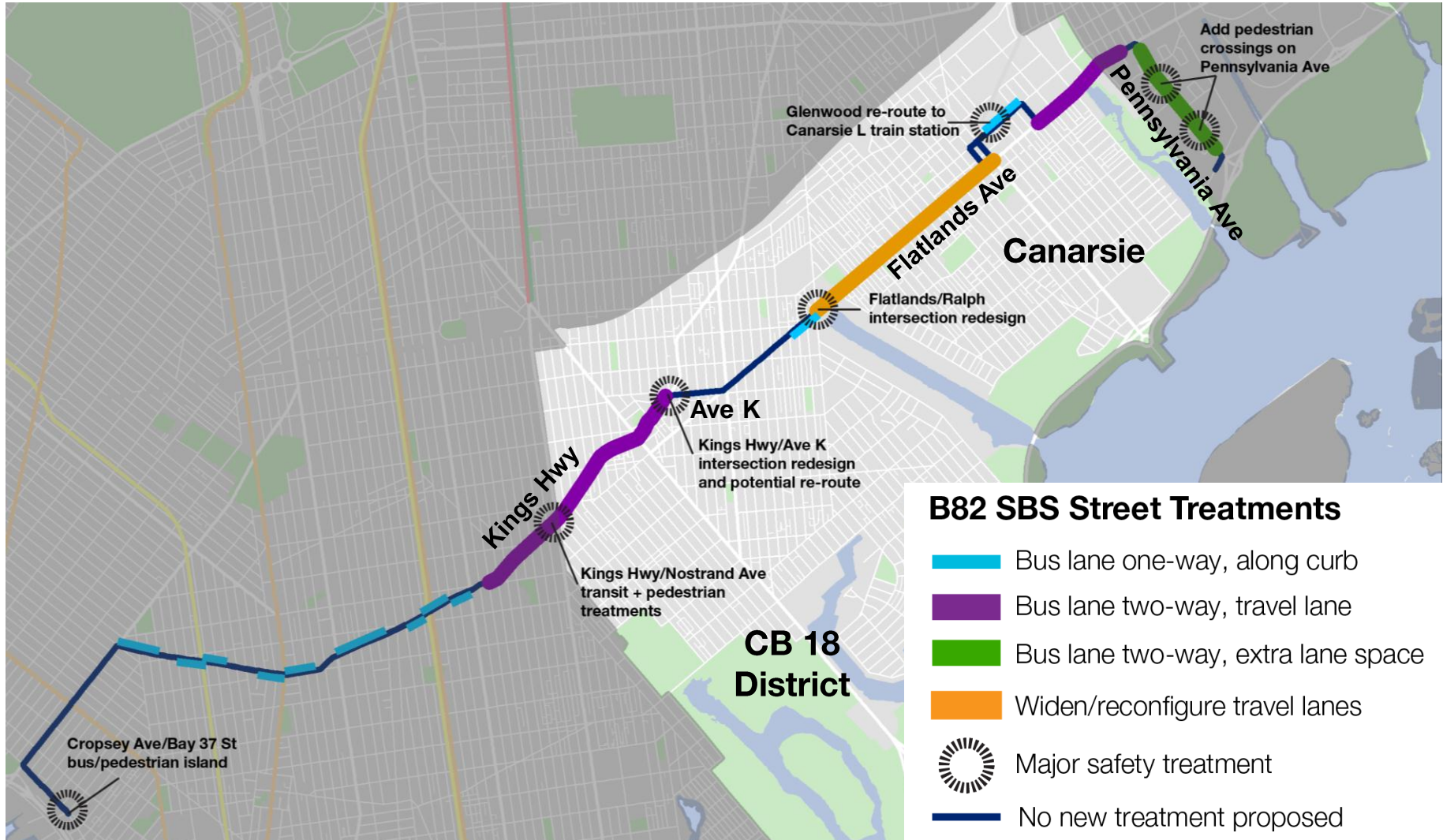


- Benefits to proposed routing:
 - Easier bus turns across lighter traffic
 - Removes bus from difficult intersections
 - Less traffic conflict on wider Ave K (4 lanes, 65' wide)
 - Reduces bus travel time
 - Reduces Flatbush congestion









B82 SBS Proposed Designs

Proposed Street Treatments

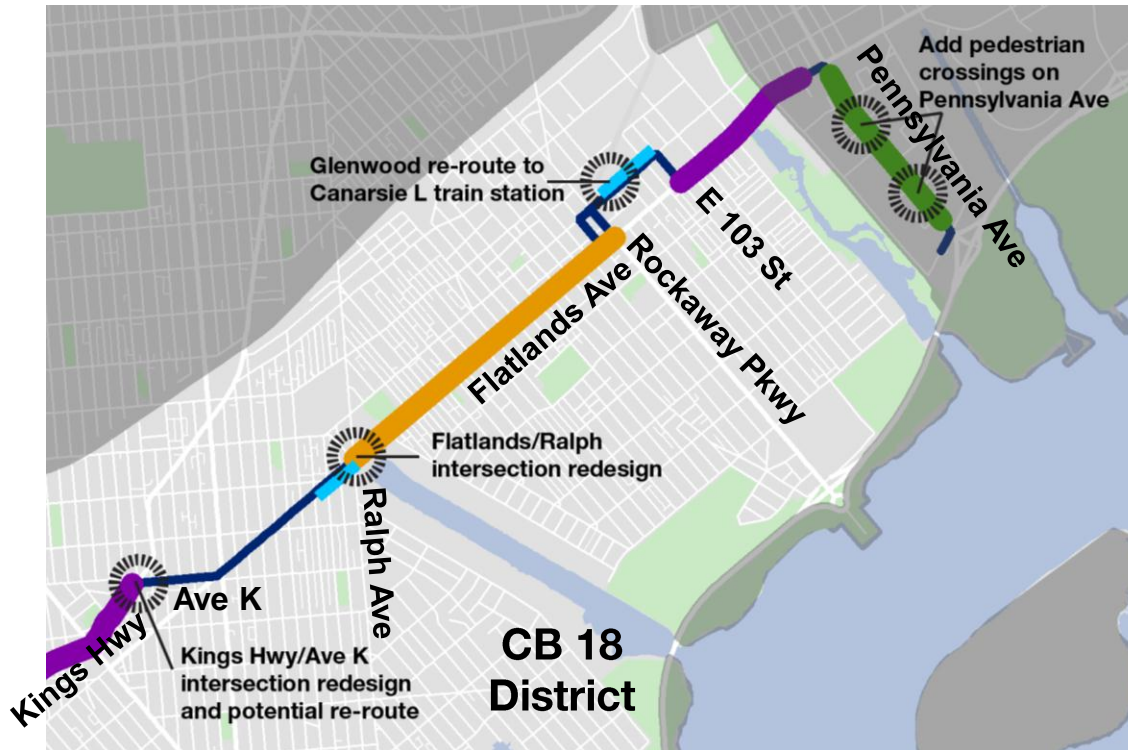


B82 SBS Street Treatments







-  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**

District Treatments



B82 SBS Street Treatments

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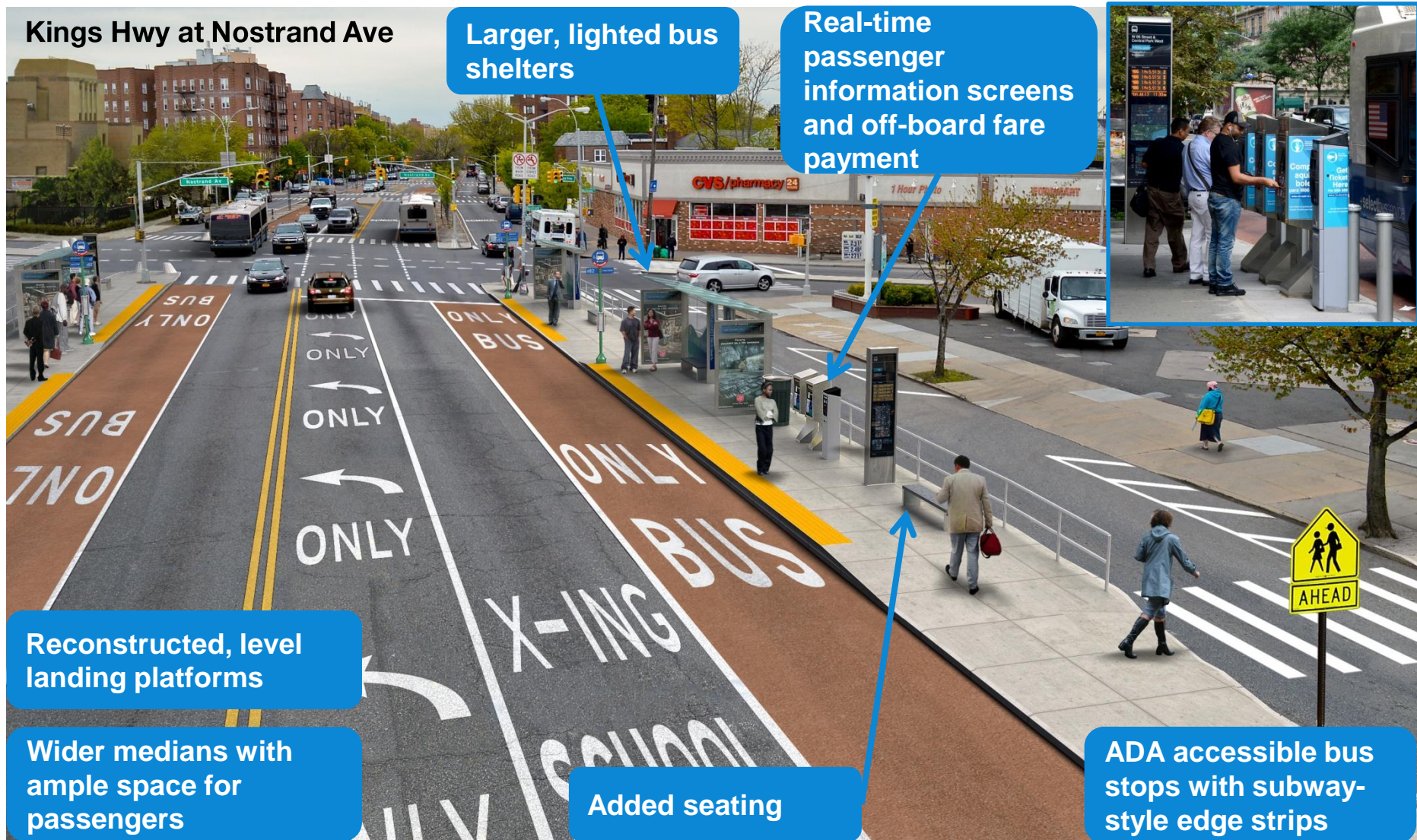
- Key design pieces:
 - Kings Hwy from Nostrand Ave to Ave K
 - Flatlands/Ralph intersection redesign
 - Flatlands Ave from E 80 St to Rockaway Pkwy
 - Glenwood Rd from Rockaway Pkwy to E 103 St
 - Flatlands Ave from E 103 St to Louisiana Ave

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

Kings Hwy at Nostrand Ave



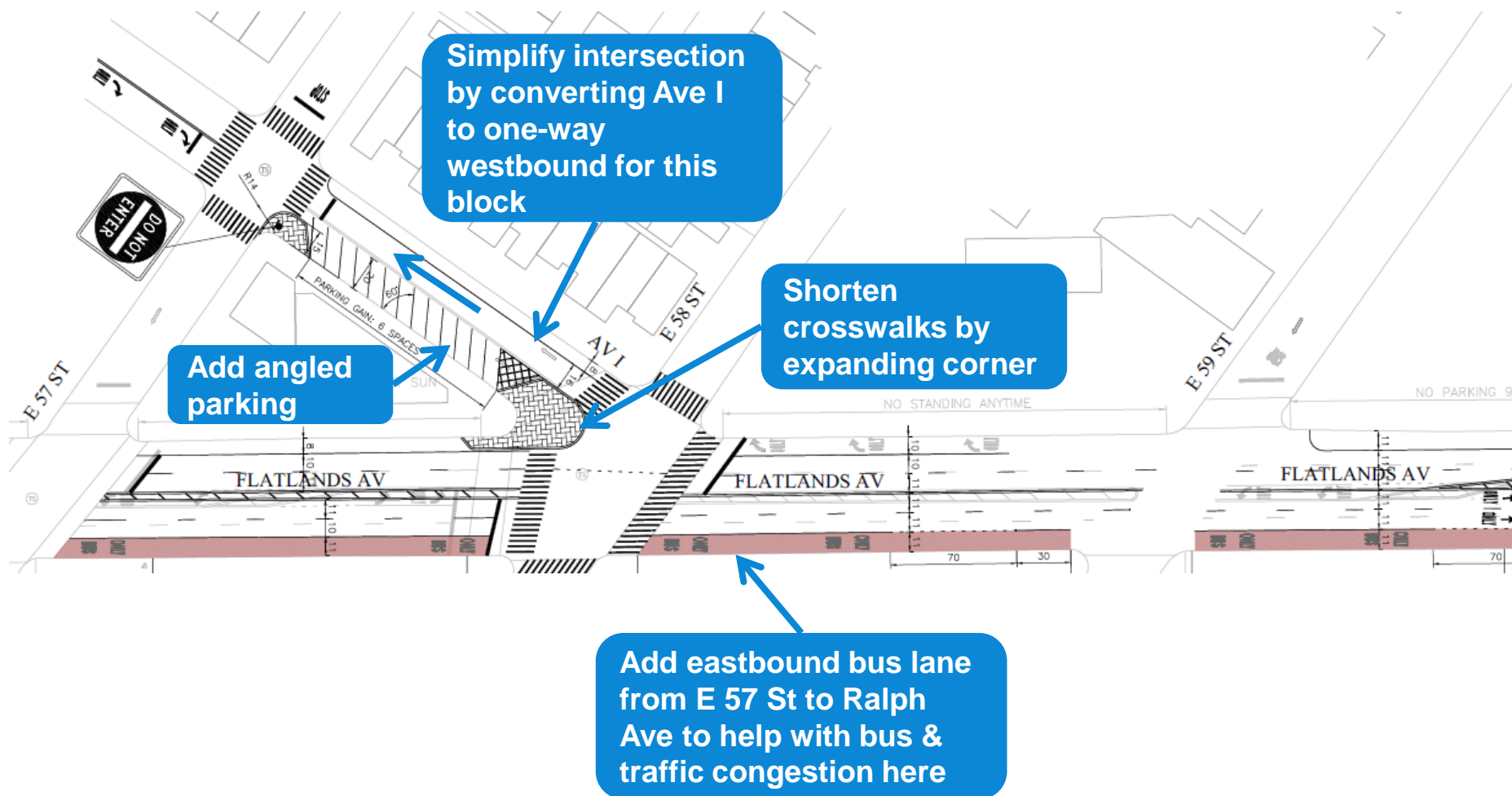
Proposed: Kings Highway (E 23 St to Ave K)



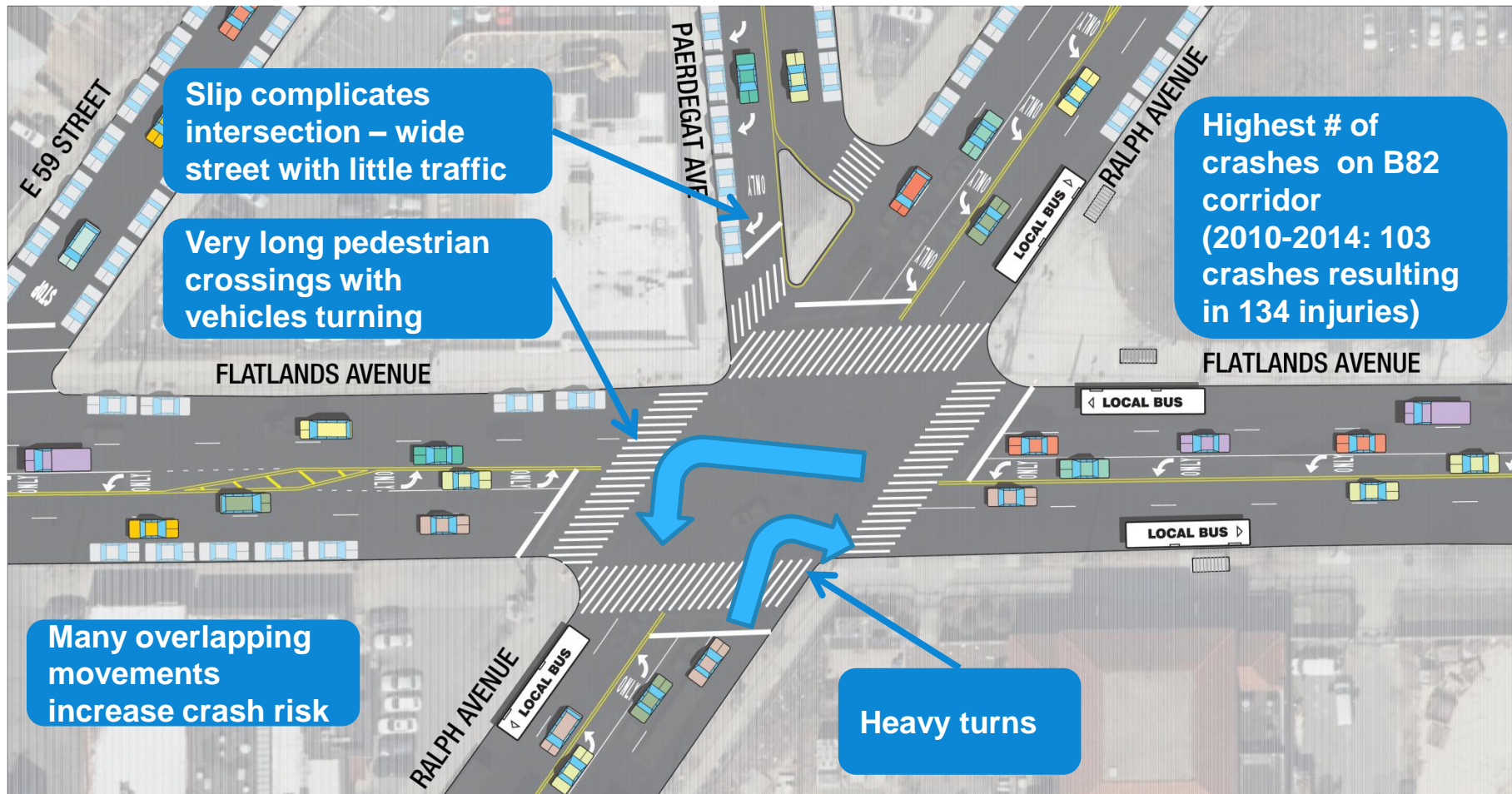
Existing: Flatlands Ave (Ave I to Ralph Ave)



Proposed: Flatlands Ave at Ave I



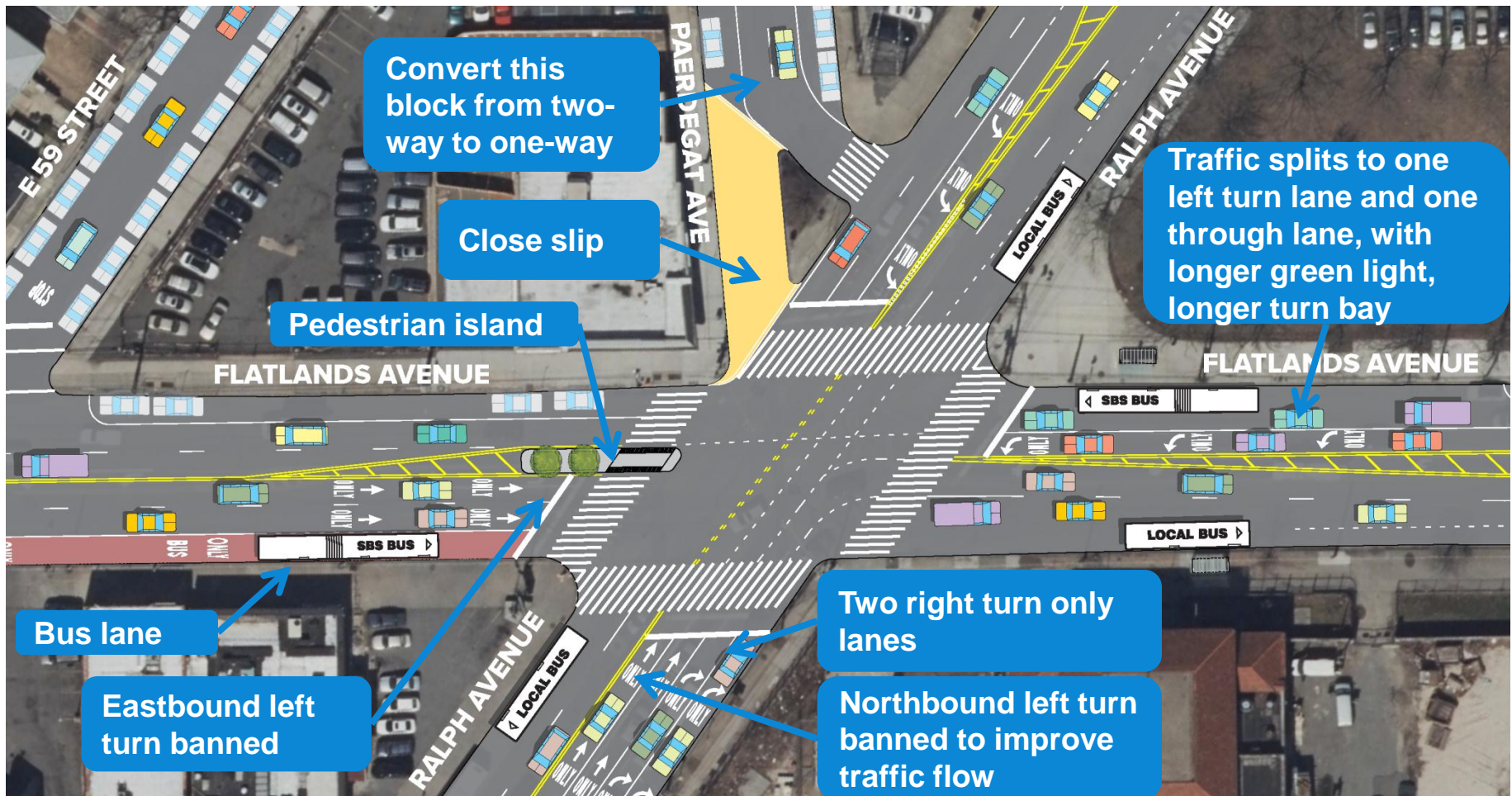
Existing: Flatlands Ave at Ralph Ave



0 20 40 80 feet



Proposed: Flatlands Ave at Ralph Ave



- signal timing changes for improved safety, traffic flow
- better synchronization of traffic lights along Flatlands

Proposed: Flatlands Ave at Ralph Ave

Purple = Proposed banned turns

Blue = Alternate routes to make turns



Existing: Flatlands Ave (E 80 St to Rockaway Pkwy)

- Traffic includes **high volume of buses and trucks**
- **Narrow travel lanes**, especially for larger vehicles
- **Bus stops not wide enough** to fully accommodate buses without partially blocking travel lane
- **Small left turn bays** do not provide enough space for left turning vehicles, overlap with adjacent lanes

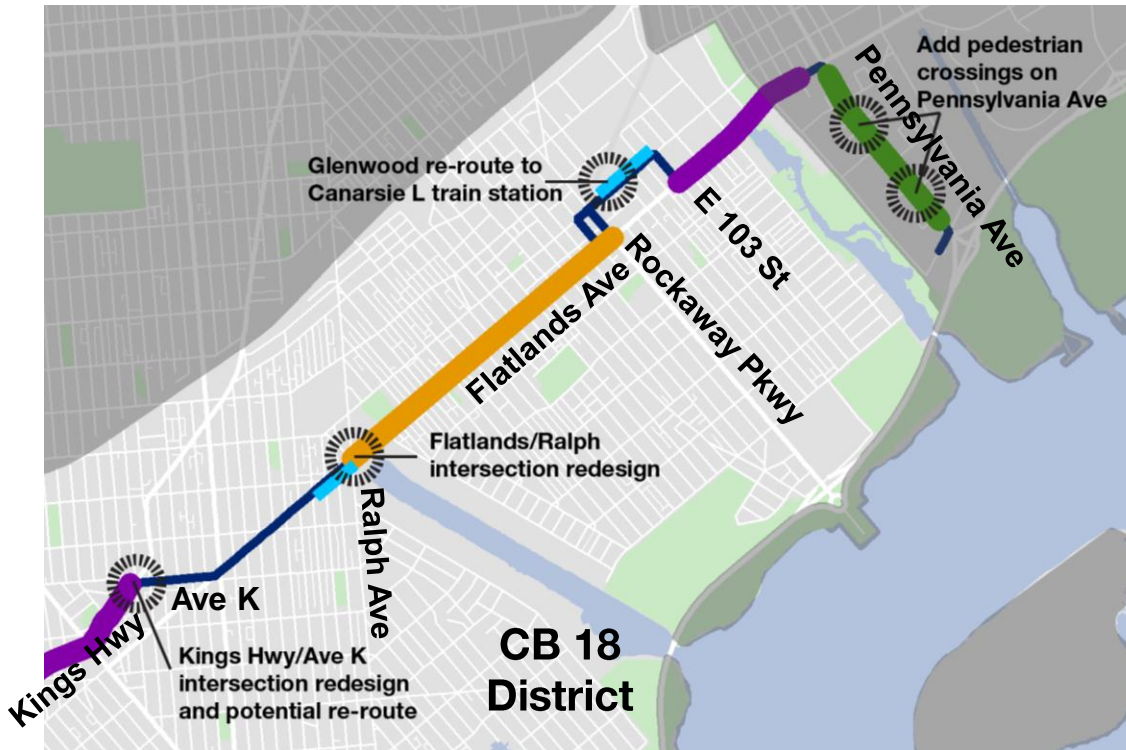


Proposed: Flatlands Ave (E 80 St to Rockaway Pkwy)







- Widen travel lanes, bus stops, parking lanes to reduce lane conflicts
- Remove small, narrow, lightly used left turn bays along Flatlands Ave
- Keep turn bays at major intersections (E 80 St, Remsen, Rockaway Pkwy)



District Treatments



B82 SBS Street Treatments

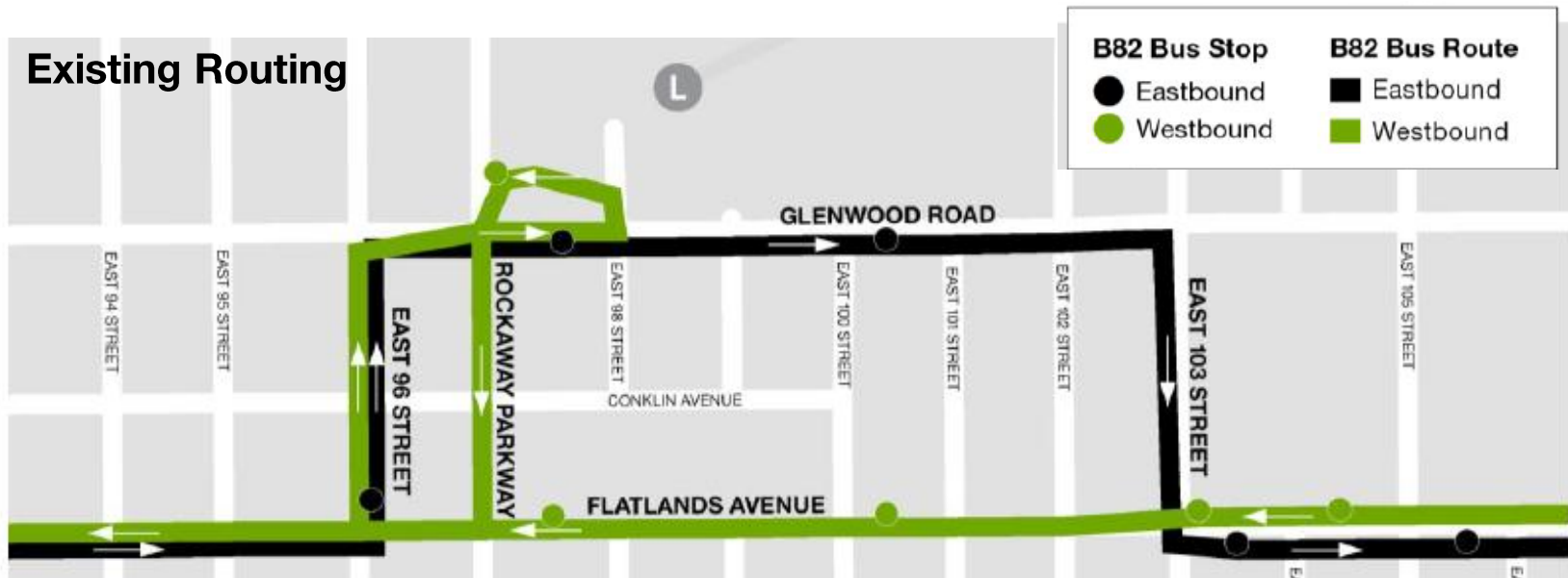
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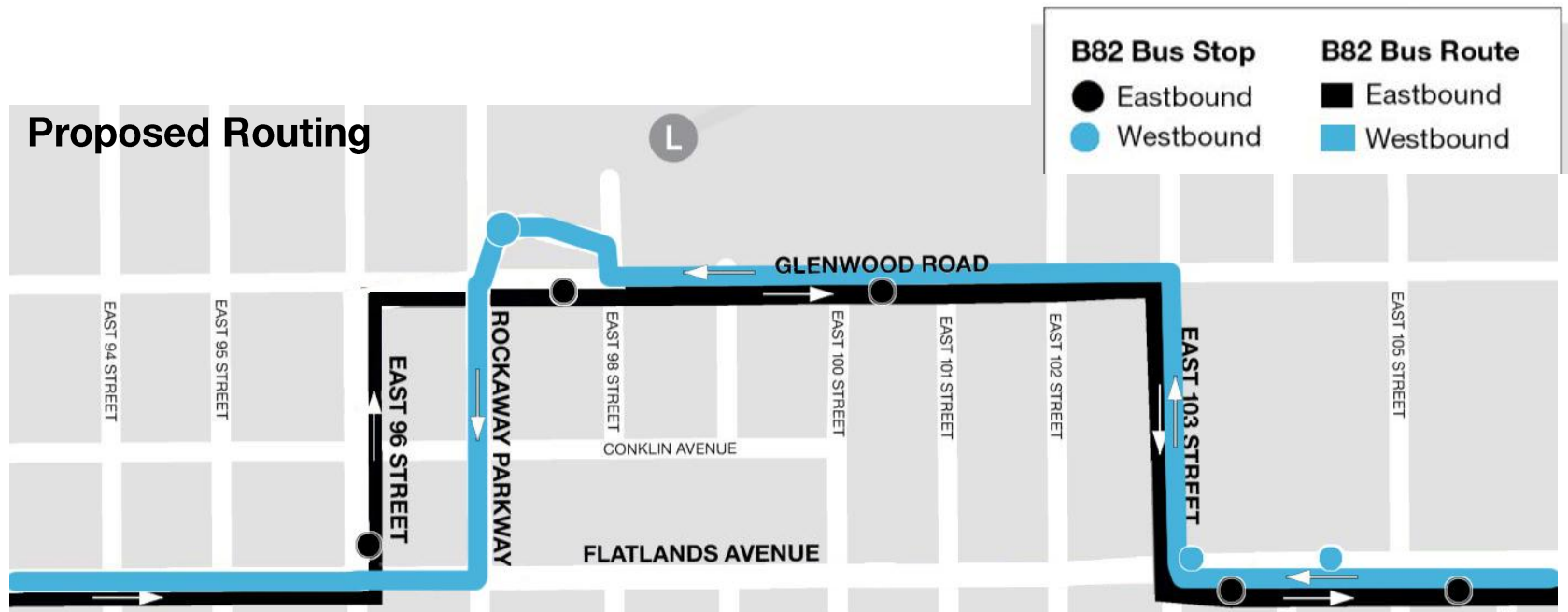
B82 route to Canarsie-Rockaway Pkwy

- Westbound loop confusing and slow for bus customers
 - Can take up to 10 minutes to return to Flatlands Ave
- Adds unnecessary traffic on local streets and at major intersections

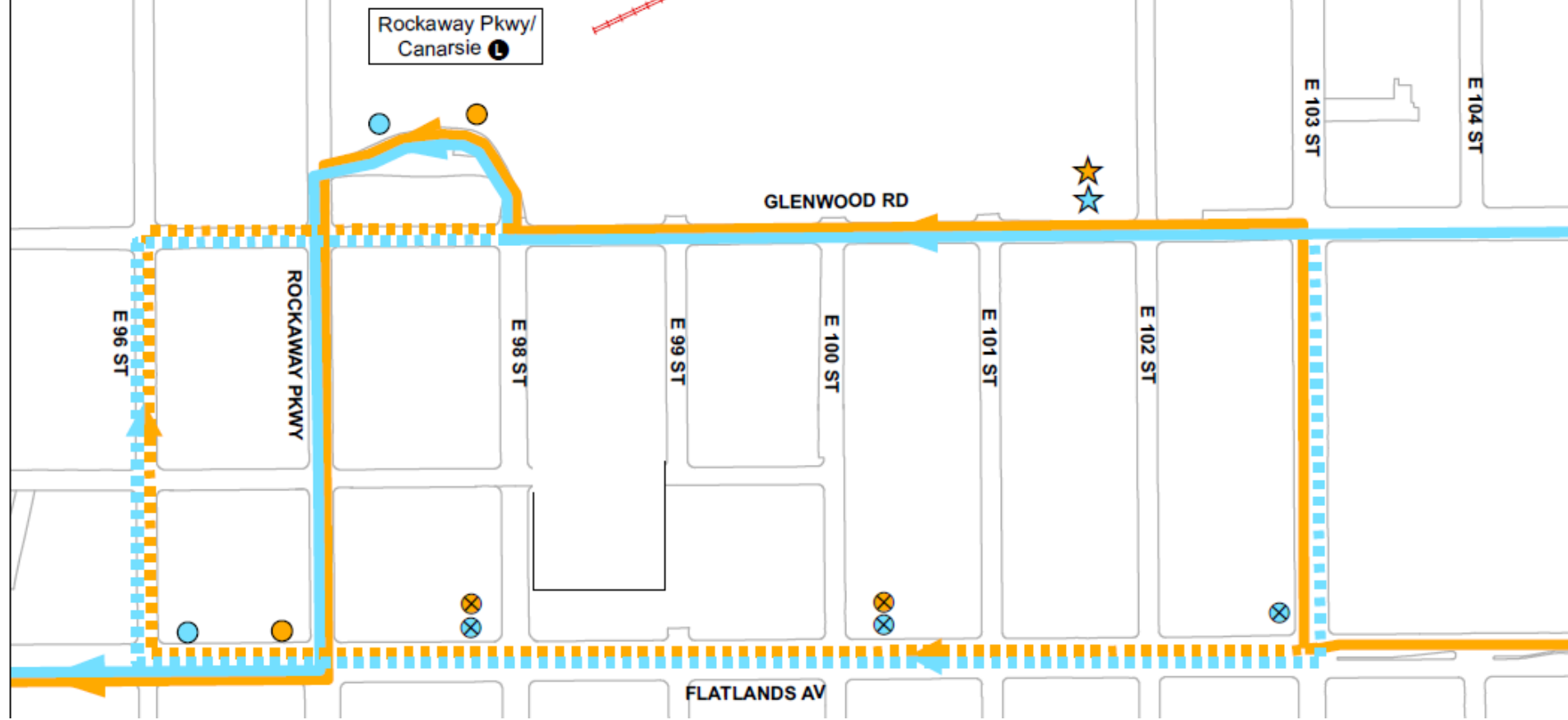


B82 route to Canarsie-Rockaway Pkwy

- Propose re-routing westbound buses via Glenwood Rd
 - Streamlines routing, removes unnecessary distance & turns
 - More customer-friendly routing by matching both directions
 - Reduces bus traffic on local streets and at major intersections



B82 & B6 route to Canarsie-Rockaway Pkwy



Rockaway Pkwy/
Canarsie

GLENWOOD RD

E 103 ST

E 104 ST

E 96 ST

ROCKAWAY PKWY

E 98 ST

E 99 ST

E 100 ST

E 101 ST

E 102 ST

FLATLANDS AV

Proposed B6 LCL & LTD Westbound

Existing B6 Westbound

Proposed B82 LCL & SBS Westbound

Existing B82 Westbound

Existing	Proposed New	Proposed Removal	
			B6 Stop
			B82 Stop

Existing: Glenwood Rd (Rockaway Pkwy to E 103 St)

- Land uses along north side:
 - Auto shops with garages & parking lots (2)
 - MTA property with parking lot
 - Residences (3 with driveways, 5 without)
 - Off-street parking area
- Much of parking on north curb taken up by adjacent auto/rental shops that store trucks and vans in the street
 - 20-40% of spaces open at any given time



Existing: Glenwood Rd (Rockaway Pkwy to E 103 St)

L - Rockaway
Parkway
Station

LOCAL BUS



GLENWOOD RD

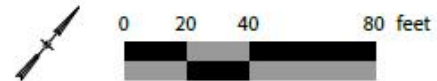
LOCAL BUS

Existing one-way on
Glenwood only serves
eastbound buses

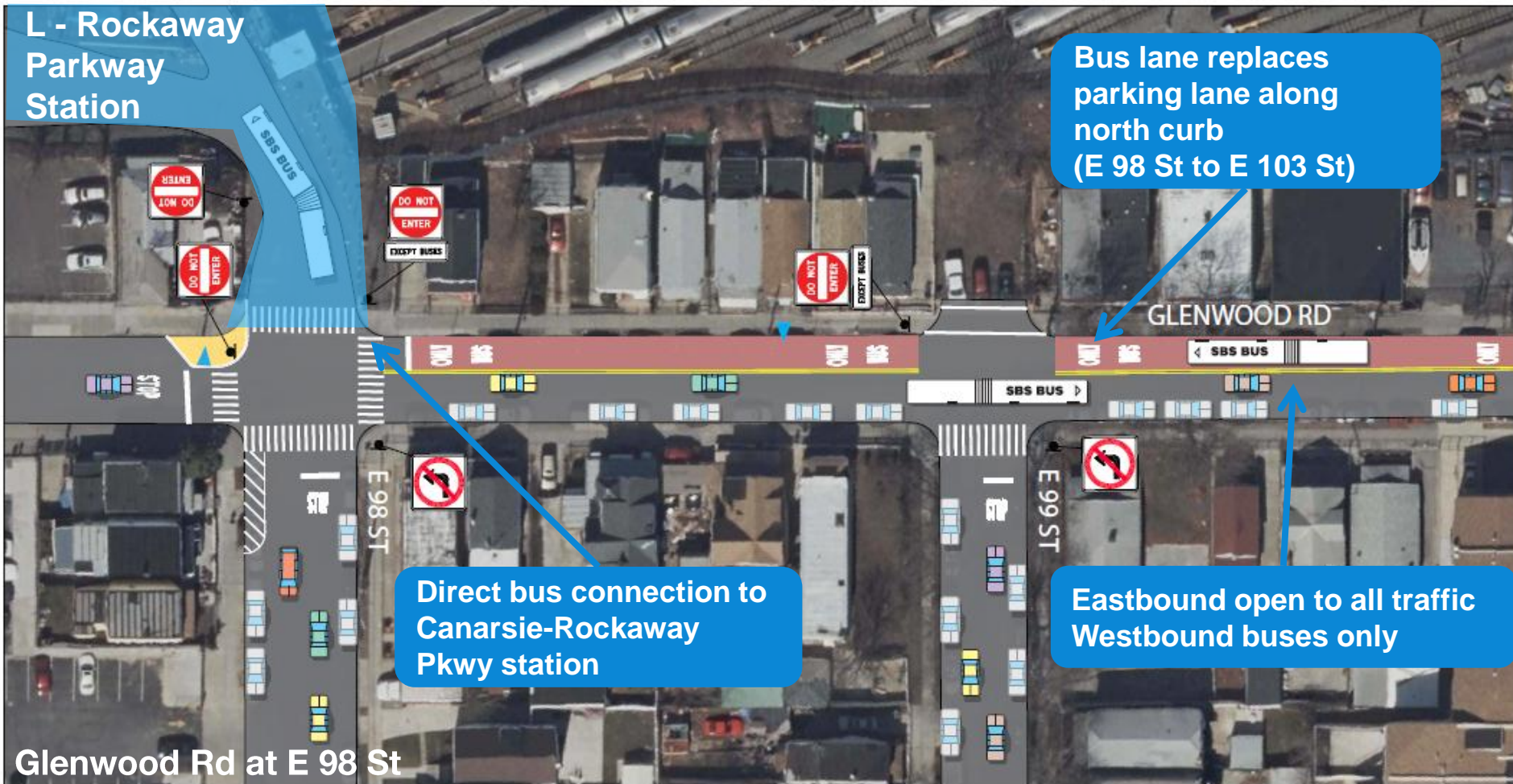
Glenwood Rd at E 98 St

E 98 ST

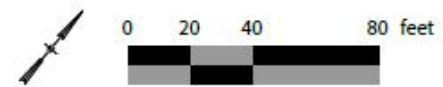
E 99 ST



Proposed: Glenwood Rd (Rockaway Pkwy to E 103 St)



Glenwood Rd at E 98 St



Existing: Glenwood Rd (Rockaway Pkwy to E 103 St)



Glenwood Rd at E 98 St

L - Rockaway
Parkway
Station Entrance

Proposed: Glenwood Rd (Rockaway Pkwy to E 103 St)



Glenwood Rd at E 98 St

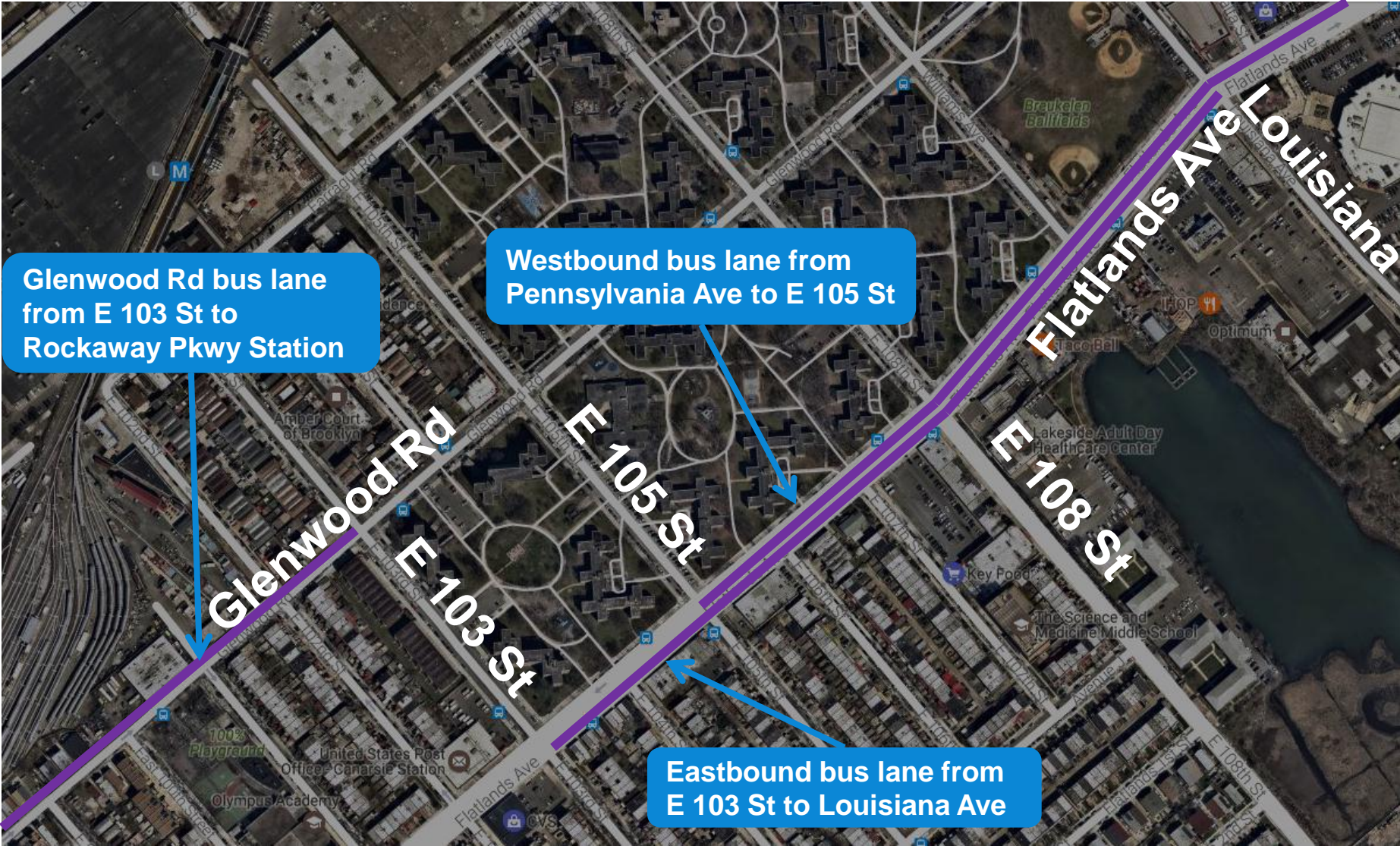
STOP L - Rockaway Parkway Station Entrance

Existing: Flatlands Ave (E 103 St to Pennsylvania Ave)

- Wider portion of Flatlands Ave with concrete medians
- 3 city bus routes and 1 express bus route use this portion of Flatlands Ave
- Transit connection from Pennsylvania Ave/Starrett City to **L** Canarsie-Rockaway Pkwy station



Proposed: Flatlands Ave (E 103 St to Pennsylvania Ave)



Proposed: Flatlands Ave (E 103 St to Pennsylvania Ave)



Example of offset bus lanes: Bx41
Webster Ave SBS, The Bronx

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: Kings Hwy at Nostrand, Kings Hwy at Flatbush, Flatlands Ave at Ralph 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

