

# B46 Select Bus Service

Community Board 18 | February 17, 2016



# Agenda

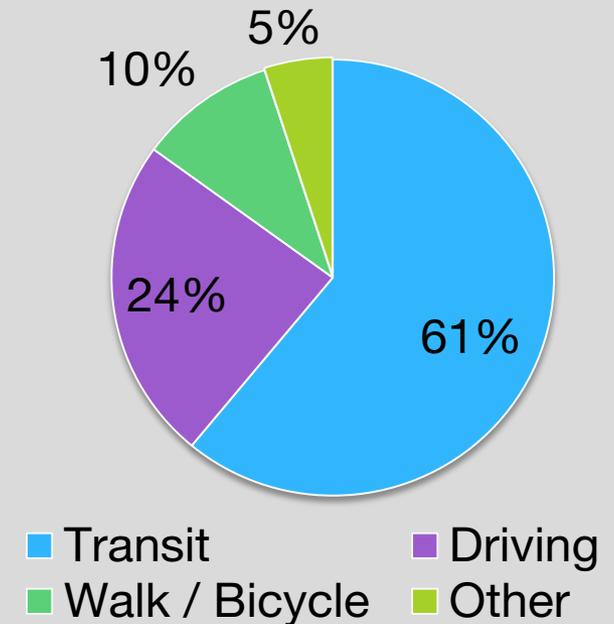
1. Provide an update about the project to date
2. Present SBS and local bus stop configurations in CB18 for 2016 and capital plan
3. Discuss issues and concerns regarding capital plans and SBS launch

# Project Background

The Utica Avenue B46 corridor was identified as a potential candidate for Select Bus Service in the 2009 Bus Rapid Transit Phase II Study.

- Characterized by slow and crowded trips
- Busiest bus route in Brooklyn, carrying nearly 50,000 passengers per day
- Crucial connection to **3** **4** **A** **C** trains and 30 bus routes
- Vision Zero Priority Corridor
  - 7 pedestrians killed and 57 pedestrians severely injured (2009-2013)

## Residents' Mode to Work



Source: 2008-2012 ACS 5-Year Estimates  
¼ mile from B46 corridor

# Utica Avenue Outreach

## Outreach for the 2014 Bus Improvement Project (2013-2014)

- Meetings with Community Boards, local businesses, and elected officials

## Outreach for Select Bus Service

- Community Advisory Committee Meeting #1 (September 2014)
- Public Workshop #1 (November 2014)
- Community Advisory Committee Meeting #2 (February 2015)
- Open House (March 2015)
- Community Board Meetings along B46 corridor (March-April 2015)



# Implemented Improvements

## Summer 2014

*Utica Ave: St. Johns Place to Church Avenue*

- Added bus lanes, left-turn bays, and turn restrictions
- B46 Limited and local travel times decreased 8% to 15%\*
- Vehicle travel times decreased 20% to 25% in peak direction\*

## Summer 2015

*Utica Ave: Church Avenue to Fillmore Avenue*

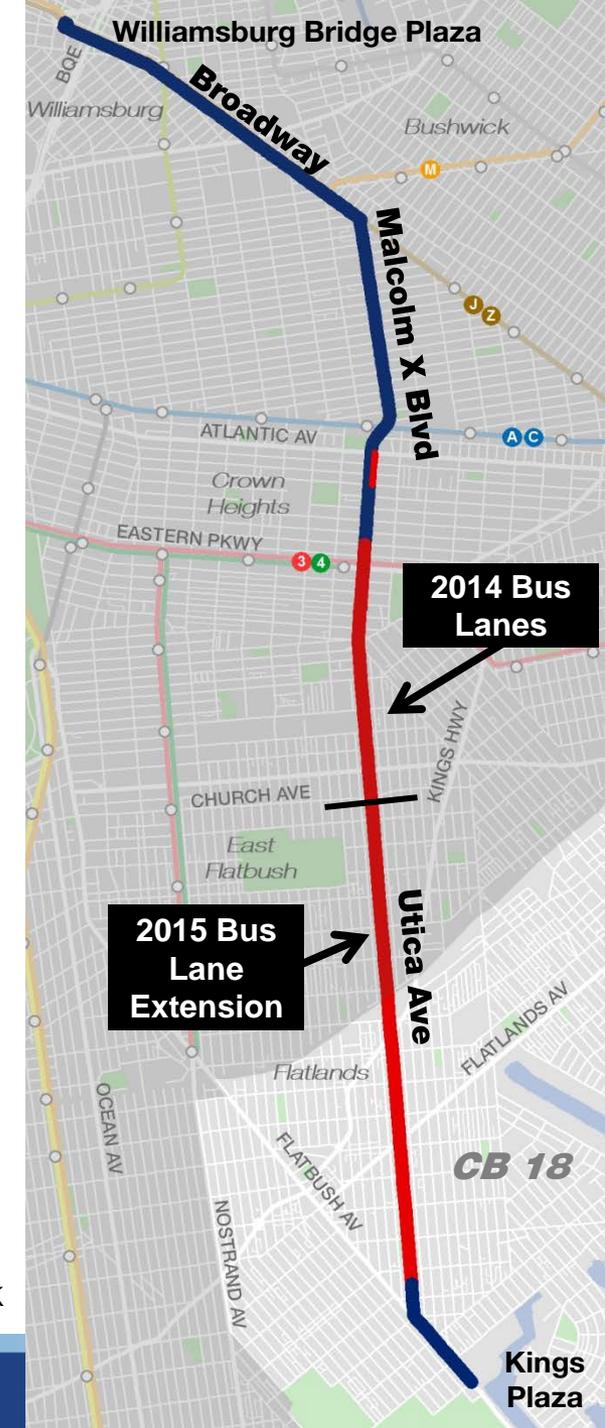
- Added bus lanes, left-turn bays, turn restrictions, pedestrian islands, Avenue K island expansion
- Added truck loading zones, update curb regulations

## Fall 2015

*Malcolm X Blvd & Broadway to Utica Ave & Kings Hwy*

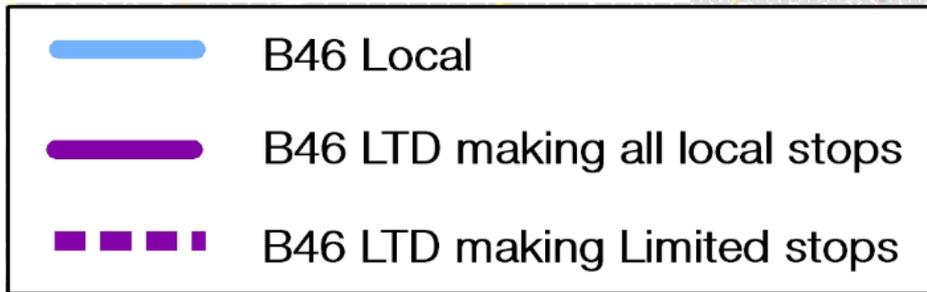
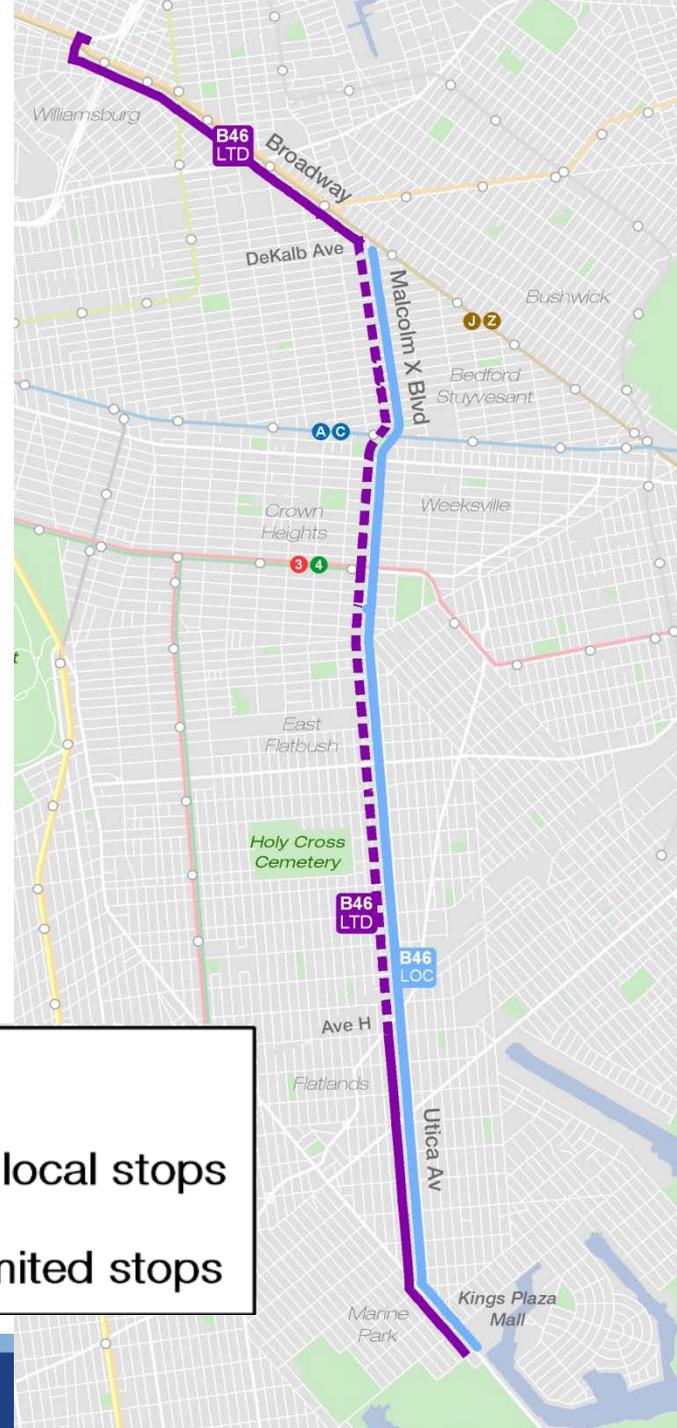
- Implemented transit signal priority

\*AM and PM peak

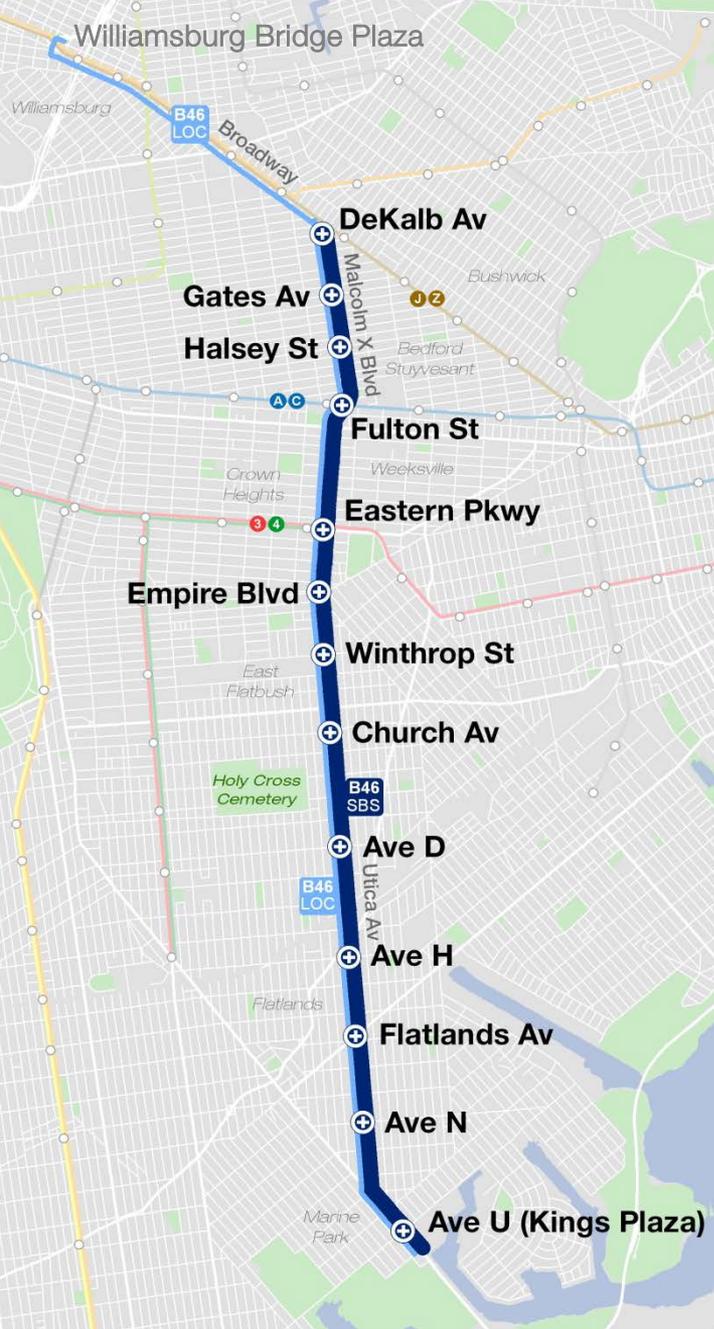


# Current B46 Local and LTD Service Pattern

- B46 LTD generally travels between Kings Plaza and Williamsburg Bridge Plaza
- B46 LTD makes all local stops north of DeKalb Ave and south of Ave H
- B46 Local generally travels between Kings Plaza and DeKalb Ave



# B46 Select Bus Service Route



- B46 SBS will run between Avenue U (Kings Plaza) and DeKalb Avenue
- B46 Local will run between Avenue U (Kings Plaza) and Williamsburg Bridge Plaza

# B46 SBS Within Community Board 18



- ⊕ SBS stop
- B46 Local stop to remain
- B46 LTD stop to become B46 Local stop
- ▬ B46 Local
- ▬ B46 SBS
- Subway station

# 2016 Select Bus Service Improvements

- Resurface Utica Avenue from Clarkson Avenue to Kings Highway
- Adjust bus stops for SBS service
- Install fare machines
- Install Bus Time wayfinding signs
- Install new shelters and benches where feasible

## SBS Service Launches Spring 2016

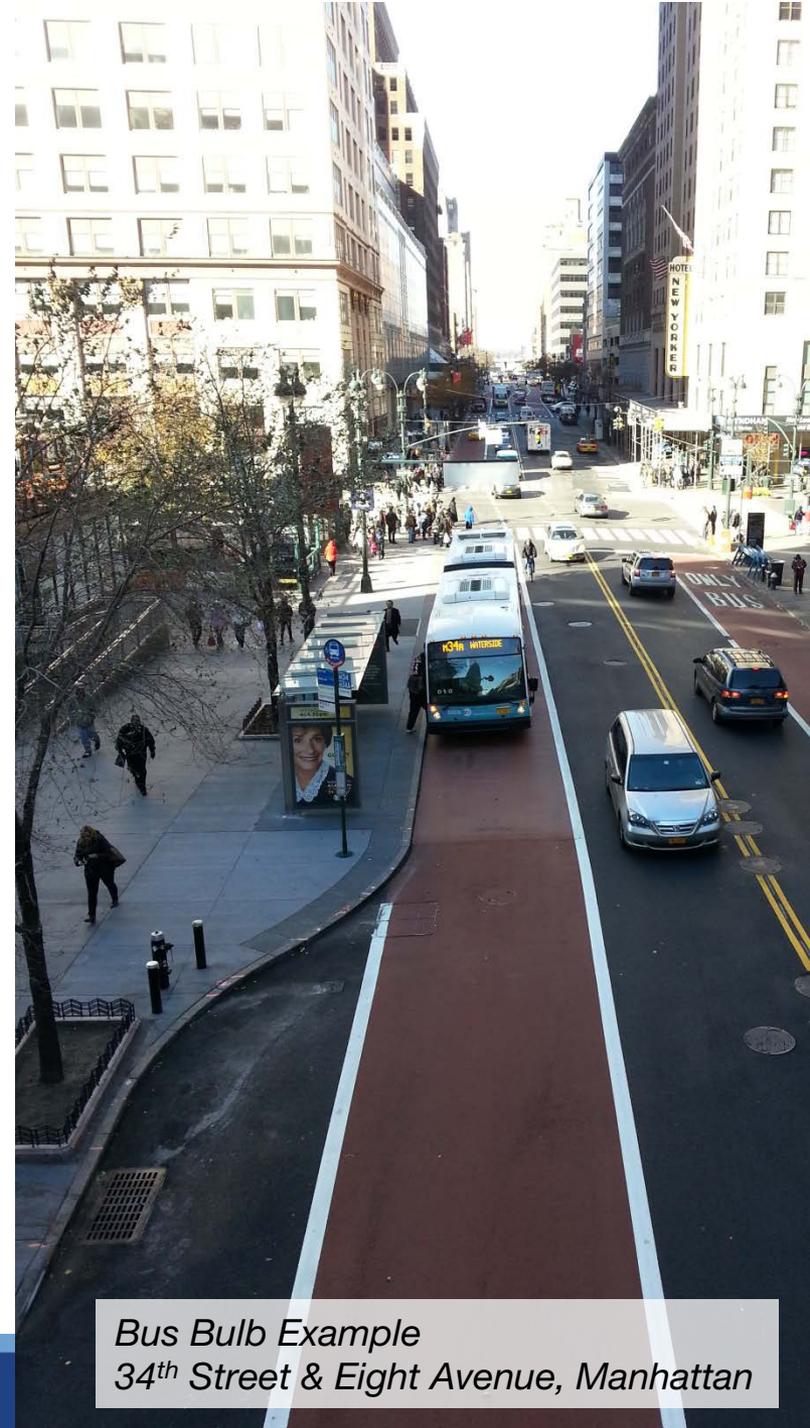


Fare Machines and Bus Time Wayfinding Sign  
86<sup>th</sup> Street & Central Park West, Manhattan

# Select Bus Service Capital Improvements

## Long-Term (2017-2018)

- Construct bus bulbs at SBS stops south of Empire Boulevard
- Add curb extensions, pedestrian islands, and high-visibility crosswalks
- Resurface Utica Avenue south of Flatlands Avenue



*Bus Bulb Example  
34<sup>th</sup> Street & Eight Avenue, Manhattan*

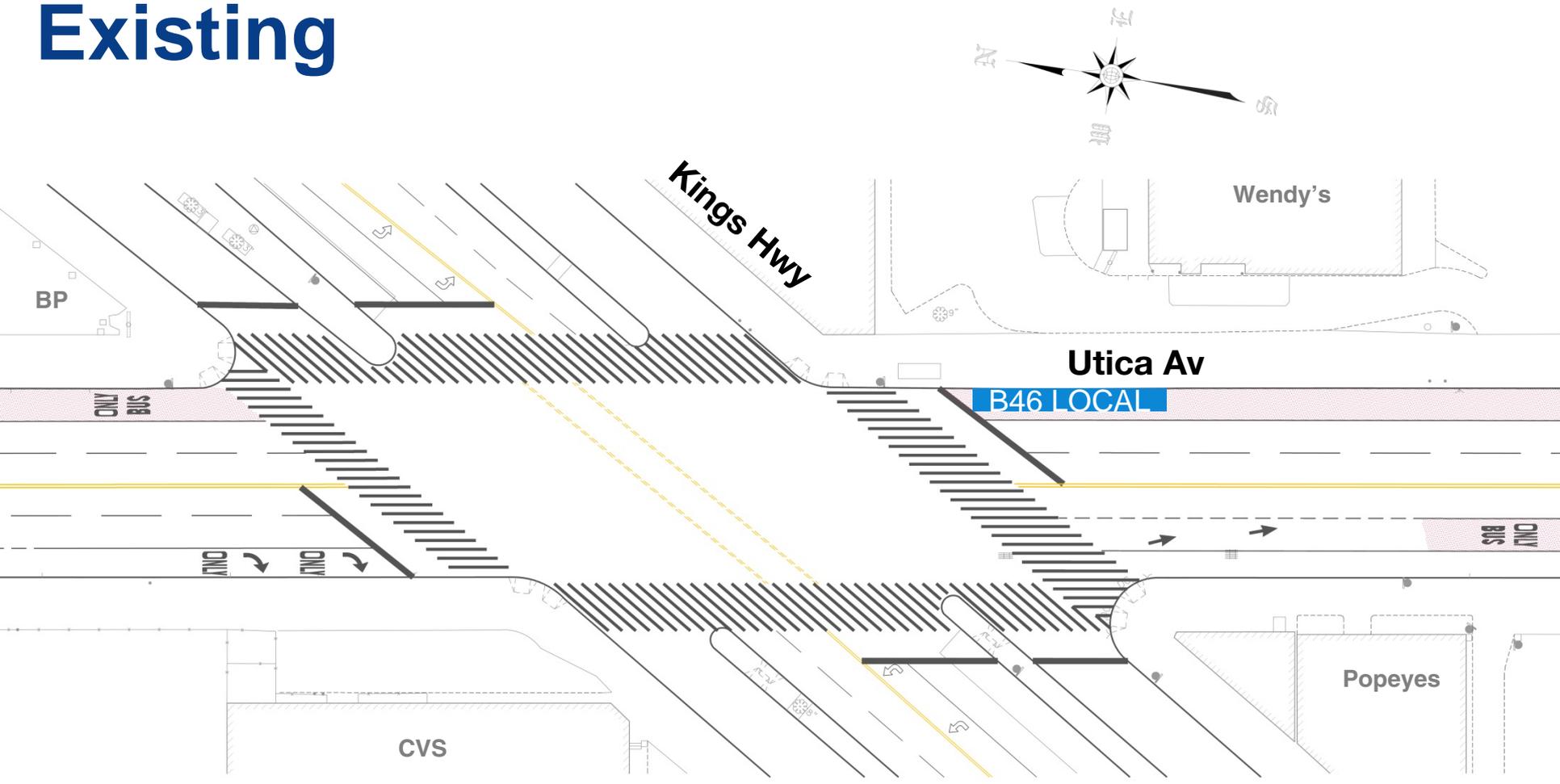
# **Community Board 18**

## **SBS Stops and Capital Improvements**

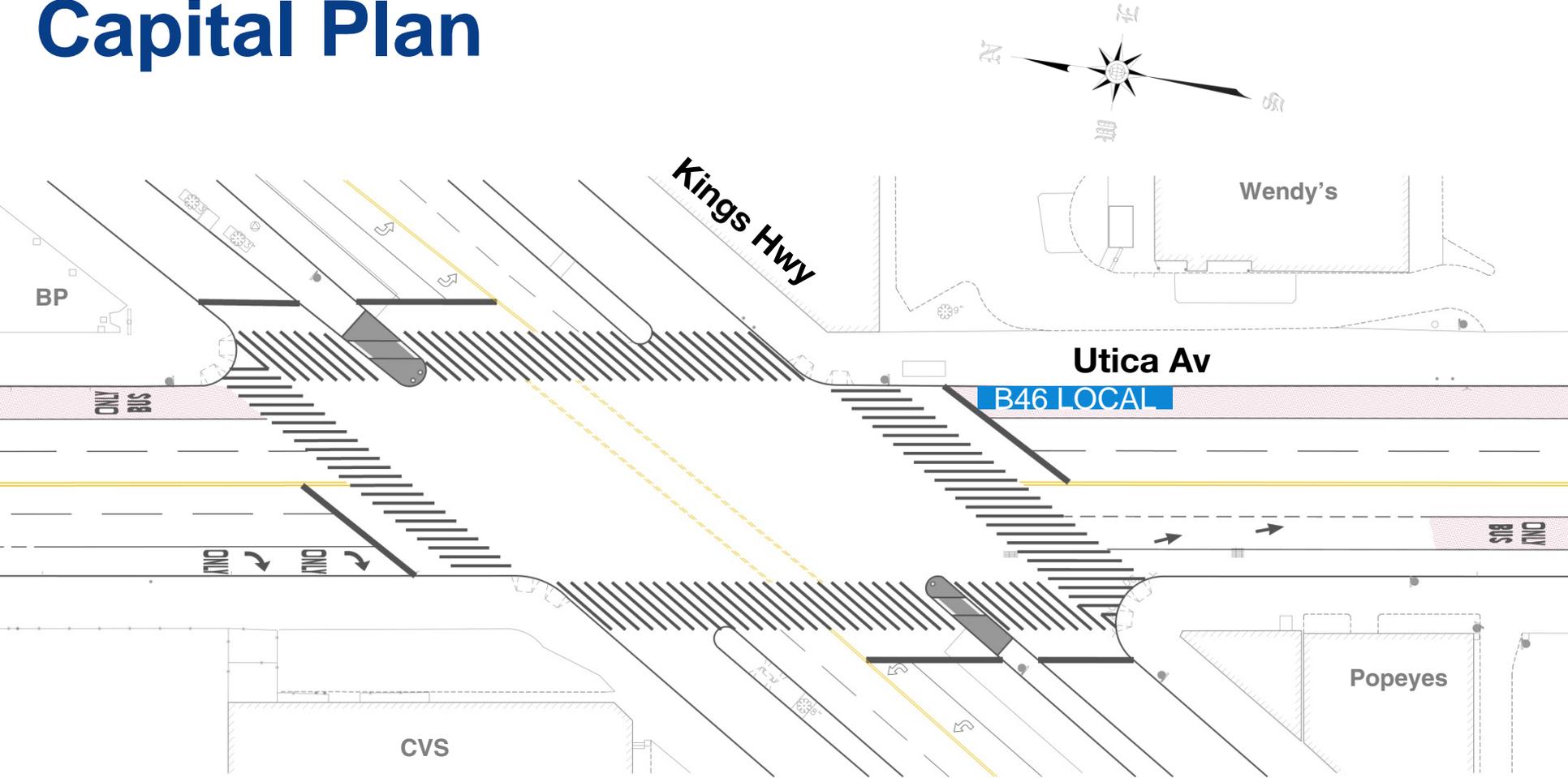
# Utica Avenue and Kings Highway



# Utica Avenue and Kings Highway Existing



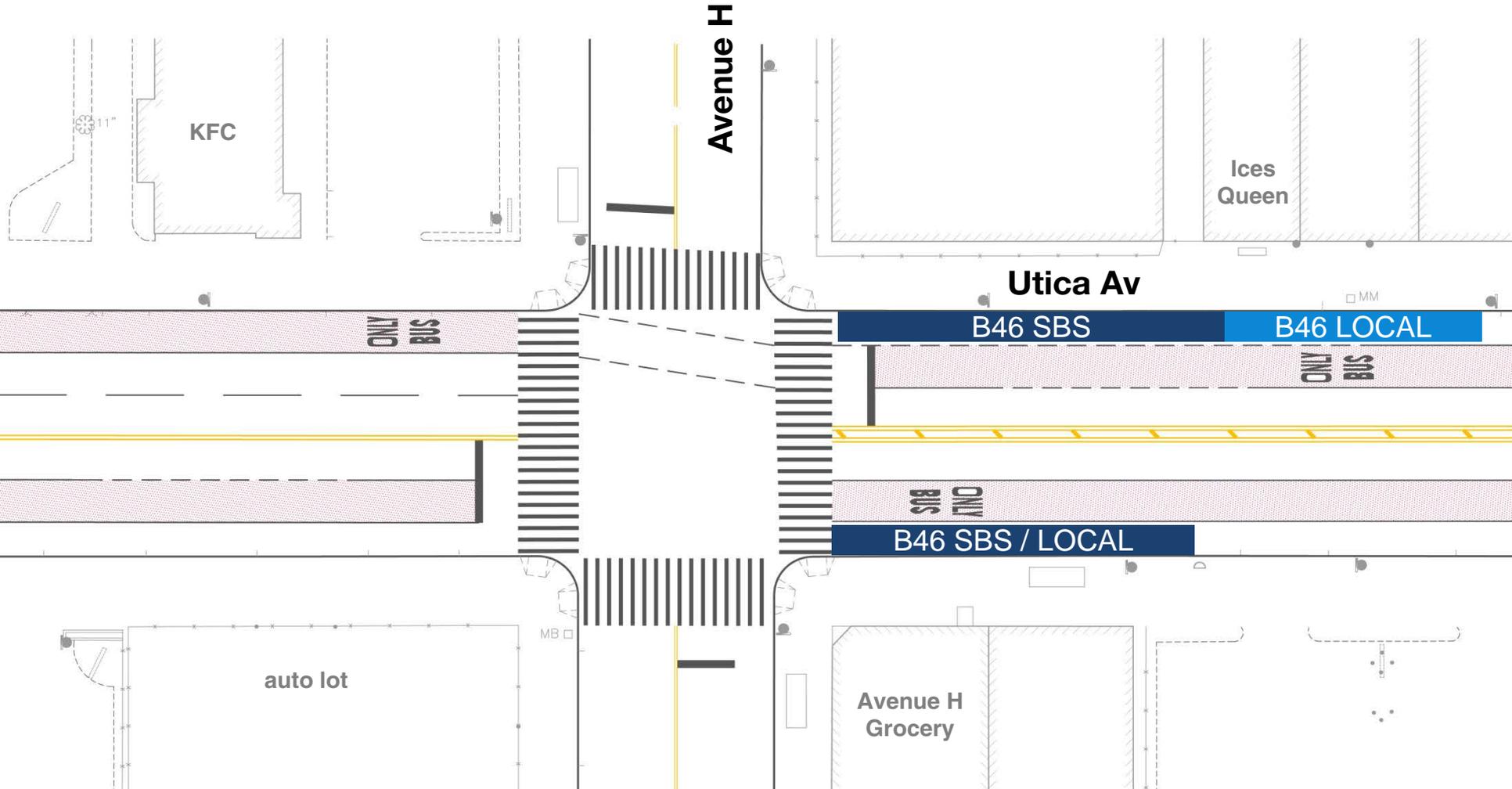
# Utica Avenue and Kings Highway Capital Plan



# Utica Avenue and Avenue H



# Utica Avenue and Avenue H 2016 Plan

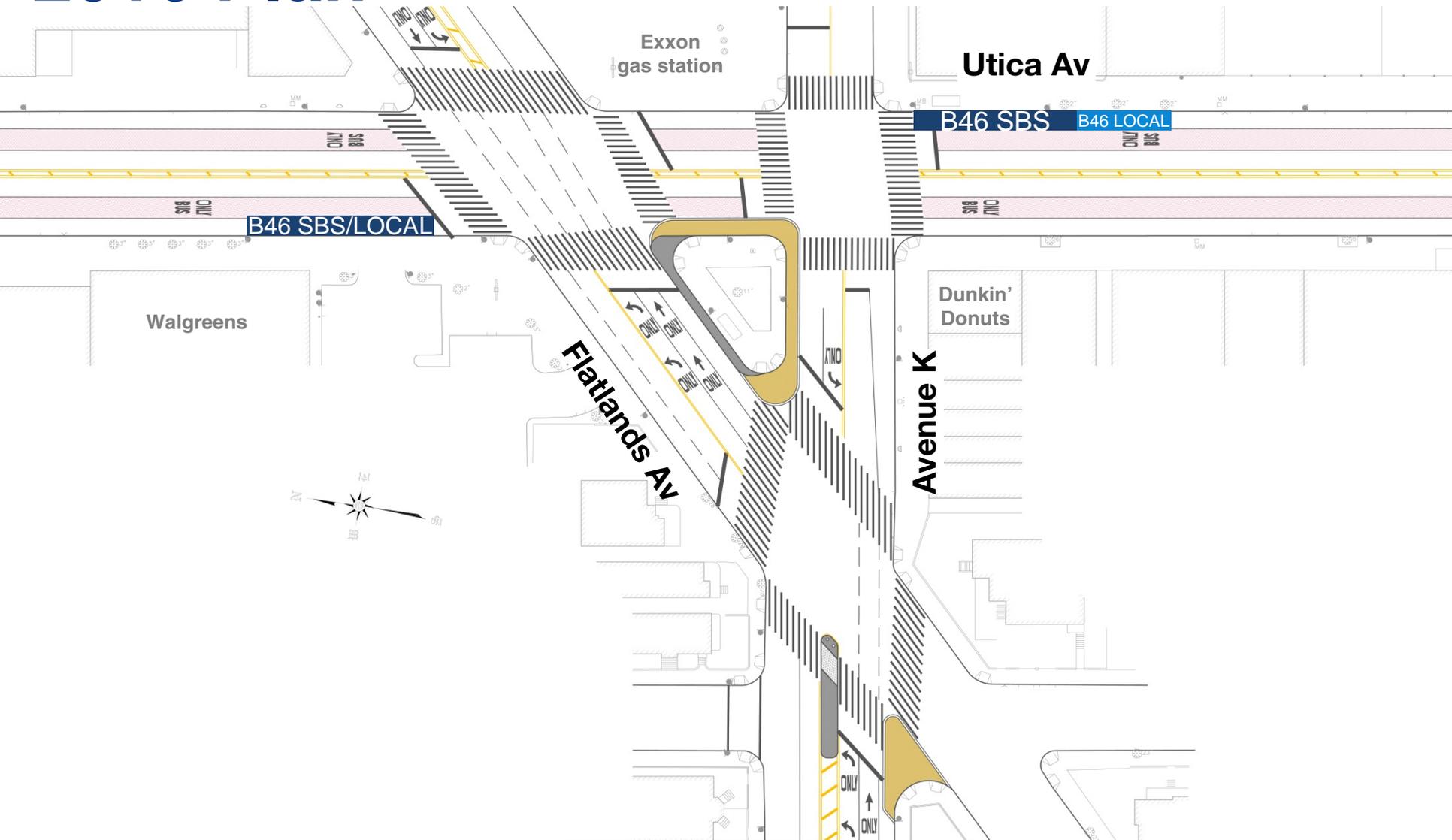




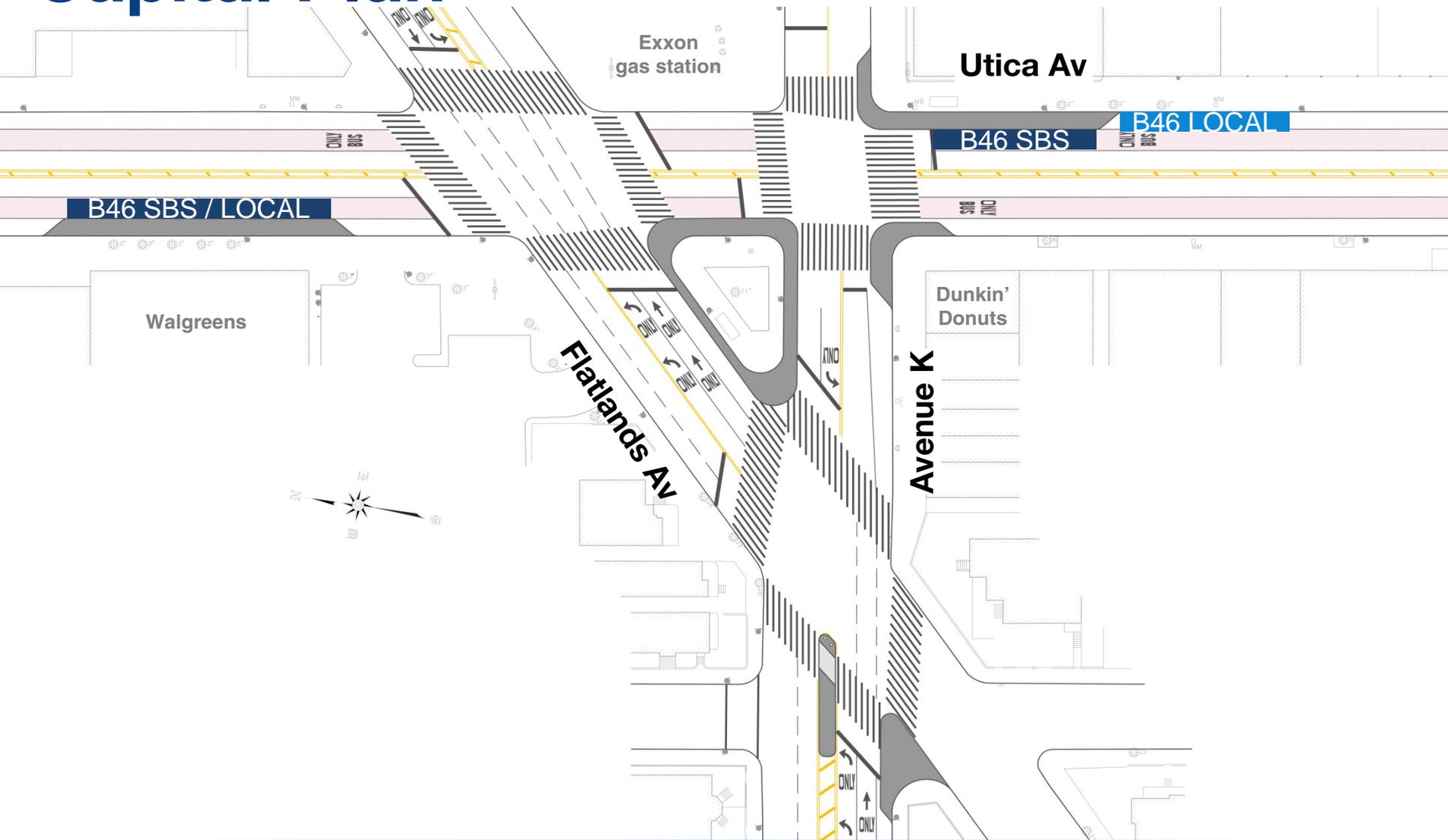
# Utica Avenue and Flatlands Avenue



# Utica Avenue and Flatlands Avenue 2016 Plan



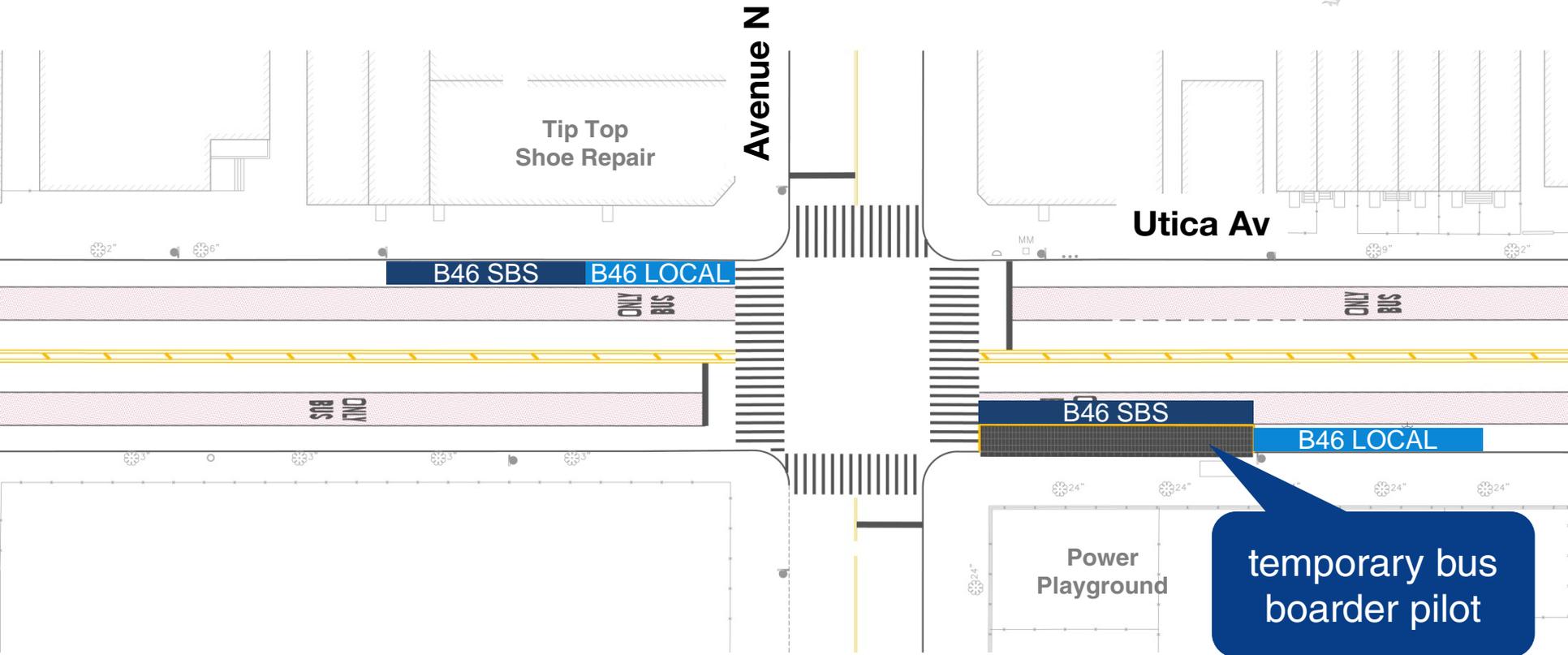
# Utica Avenue and Flatlands Avenue Capital Plan



# Utica Avenue and Avenue N



# Utica Avenue and Avenue N 2016 Plan



temporary bus boarder pilot

# Utica Avenue and Avenue N Bus Boarder

- Pilot test of bus boarder for SBS launch at southbound B46 SBS stop
- Temporary treatment until construction begins on permanent bus bulb

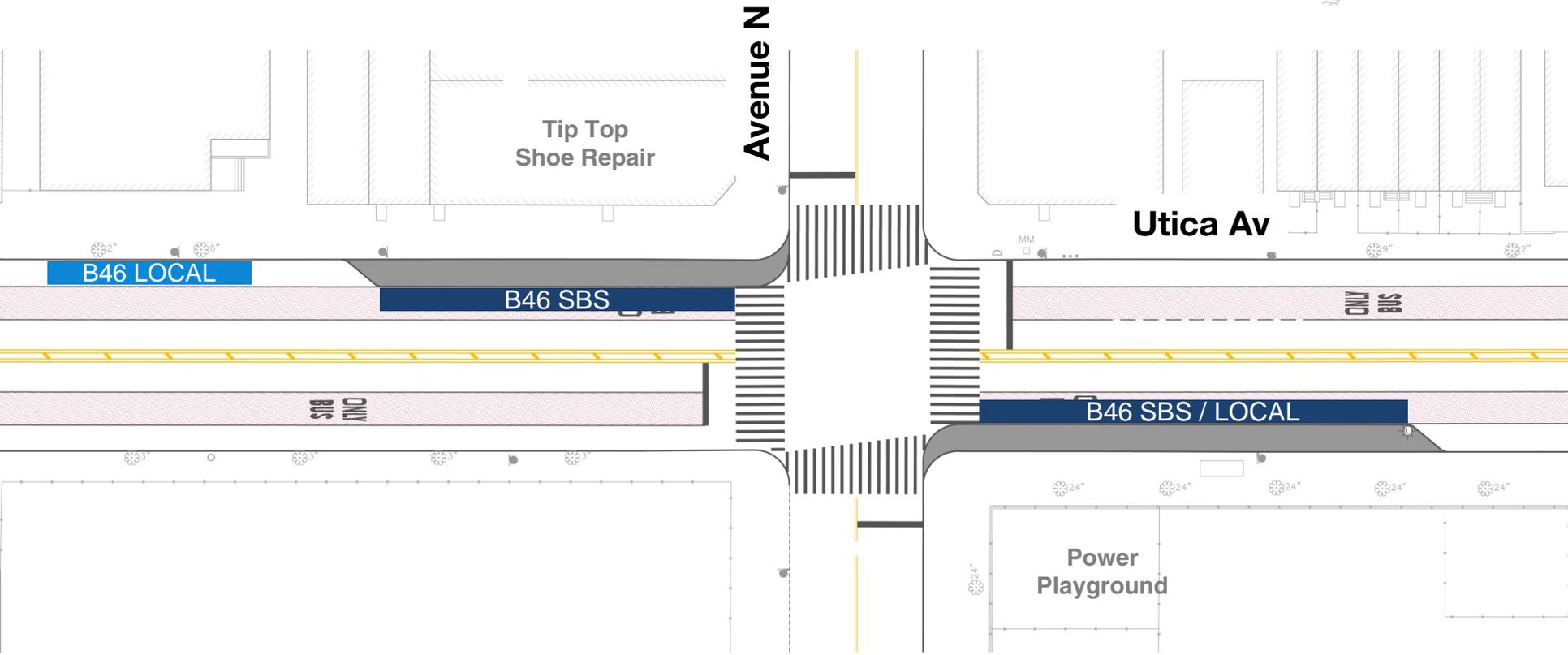


Proposed Bus Boarder Example



Proposed Bus Boarder Rendering  
Utica Avenue and Avenue N

# Utica Avenue and Avenue N Capital Plan



# Next Steps

## SBS Launch

- Winter 2016
  - Begin fare machine installation
- Spring 2016
  - Resurface Utica Avenue (Clarkson Avenue to Kings Highway)
  - Restore markings and paint red bus lane on new pavement
  - Launch SBS service

## Capital Improvements

- 2016: preliminary and final design
- 2017-2018: construction

# Questions?



# Appendix Slides

# Select Bus Service Fare Payment



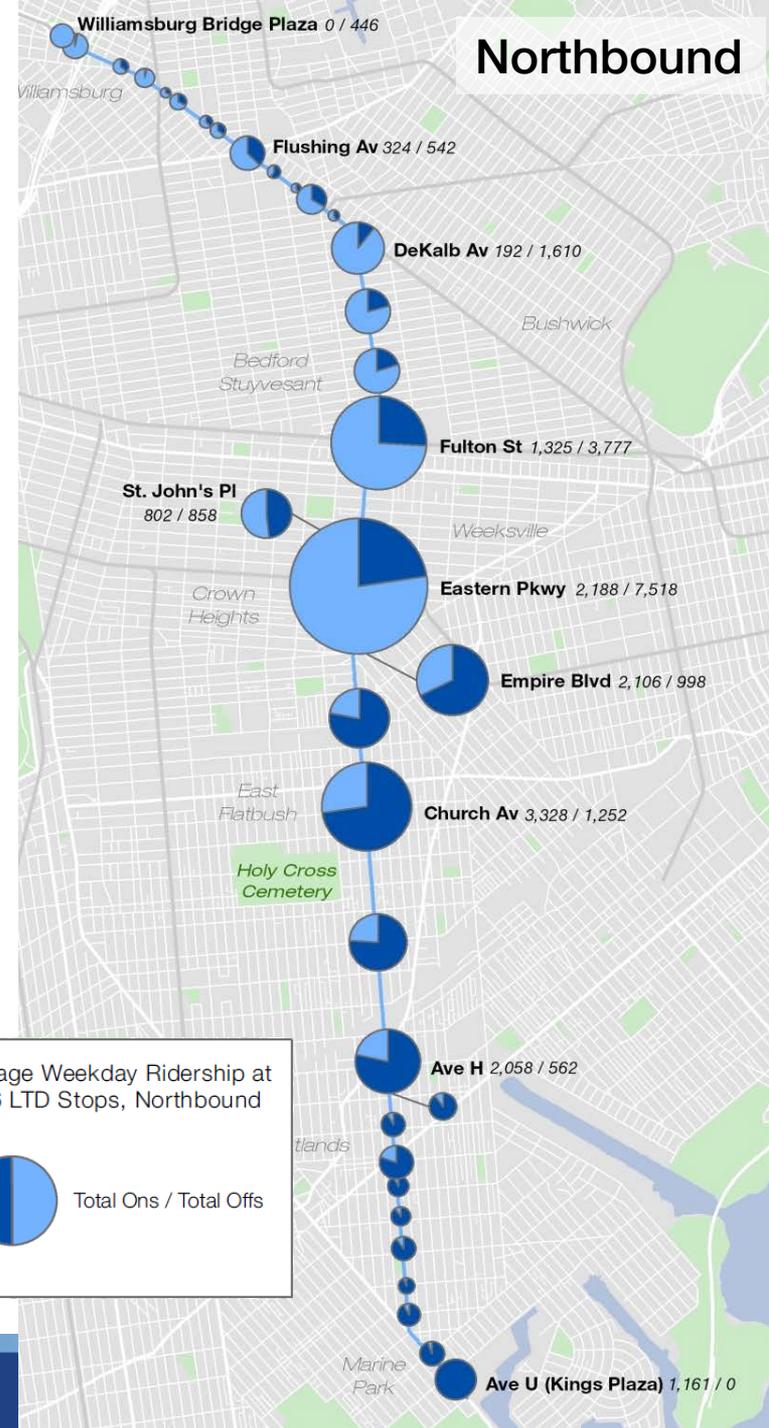
Riders pay with MetroCard or coins before boarding, receive ticket

MTA NYCT conducts random fare payment inspections

# Ridership

- High ridership at many existing B46 Limited stops, particularly those with subway/bus transfers
- Largest percentage of riders are traveling north to or south from **3** **4** at Eastern Pkwy or **A** **C** at Fulton St
- Only 9% of riders travel between Broadway and the rest of the route

Top 5 Busiest Stops	Top 5 Least Busy Stops
Eastern Pkwy	Broadway & Arion Pl
Fulton St	Broadway & Boerum St
Church Ave	Broadway & Willoughby
Empire Blvd	Broadway & Malcolm X
Ave H	Broadway & Hooper St



# Utica Avenue Design Proposal

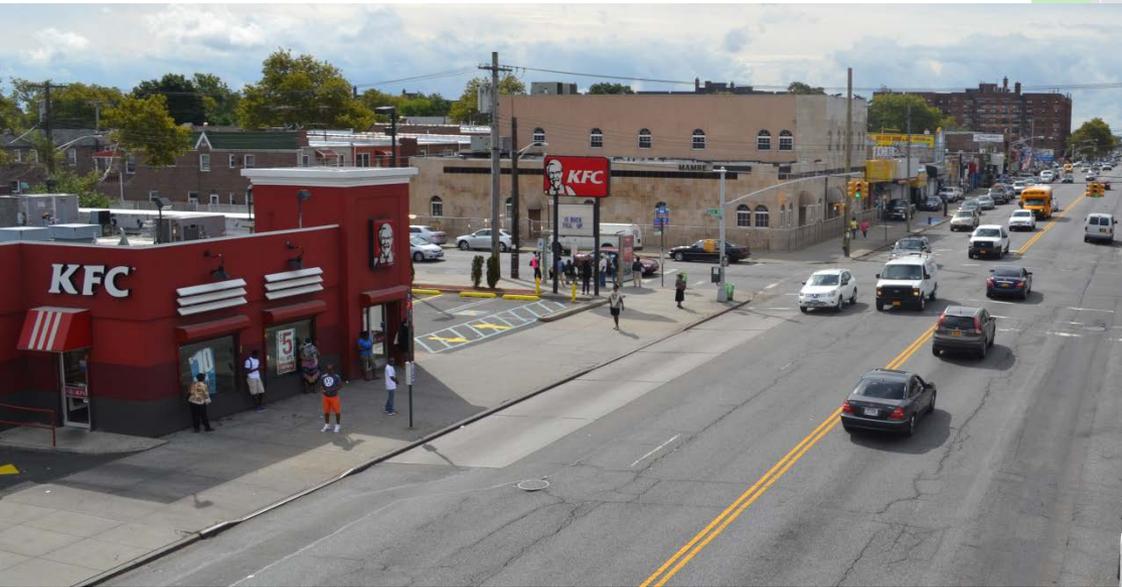
## Brooklyn Community Board 18

- Bus lanes extended
- Left-turn bays, left-turn restrictions, pedestrian islands added at intersections

	Left-turn ban both directions from Utica Ave onto cross street
	Left-turn bay both directions from Utica Ave onto cross street
	Pedestrian island



# B46 Short-Turns at Avenue H



- Avenue H northbound stop currently in KFC driveways
- Unwelcoming waiting environment for 2,600 bus riders who use stop daily
- Propose to move from farside (NE corner) to nearside (SE corner)
- Two new turnaround paths

