



 New York City Transit



First Avenue/Second Avenue Select Bus Service

Community Board 8 Transportation Committee
Thursday, February 25, 2010

Agenda

Project Overview

Project Schedule

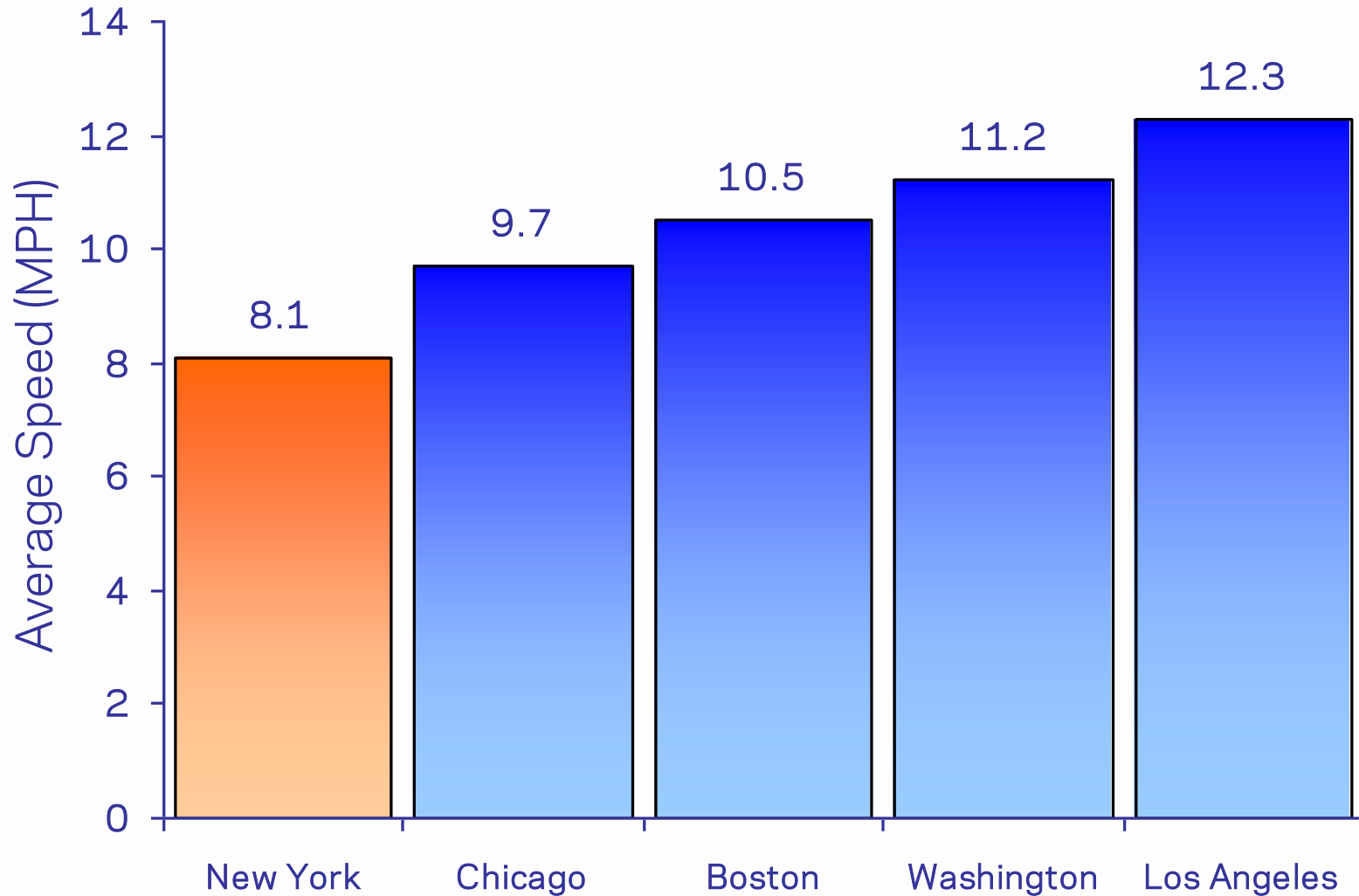
Design Goals

Proposed Design

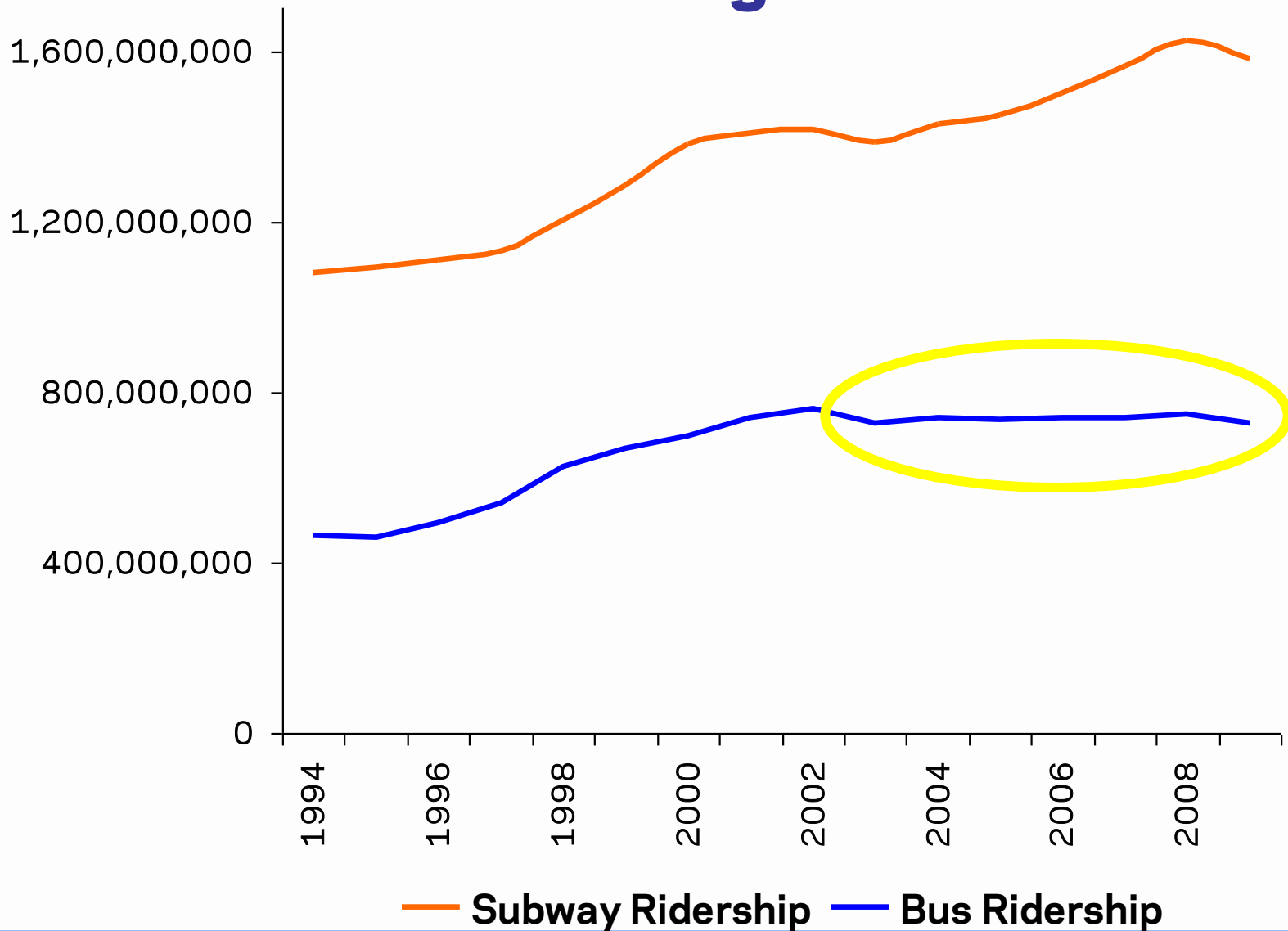
CB8 Issues

Next Steps

Bus Speeds in NYC vs. Other Cities



Challenges

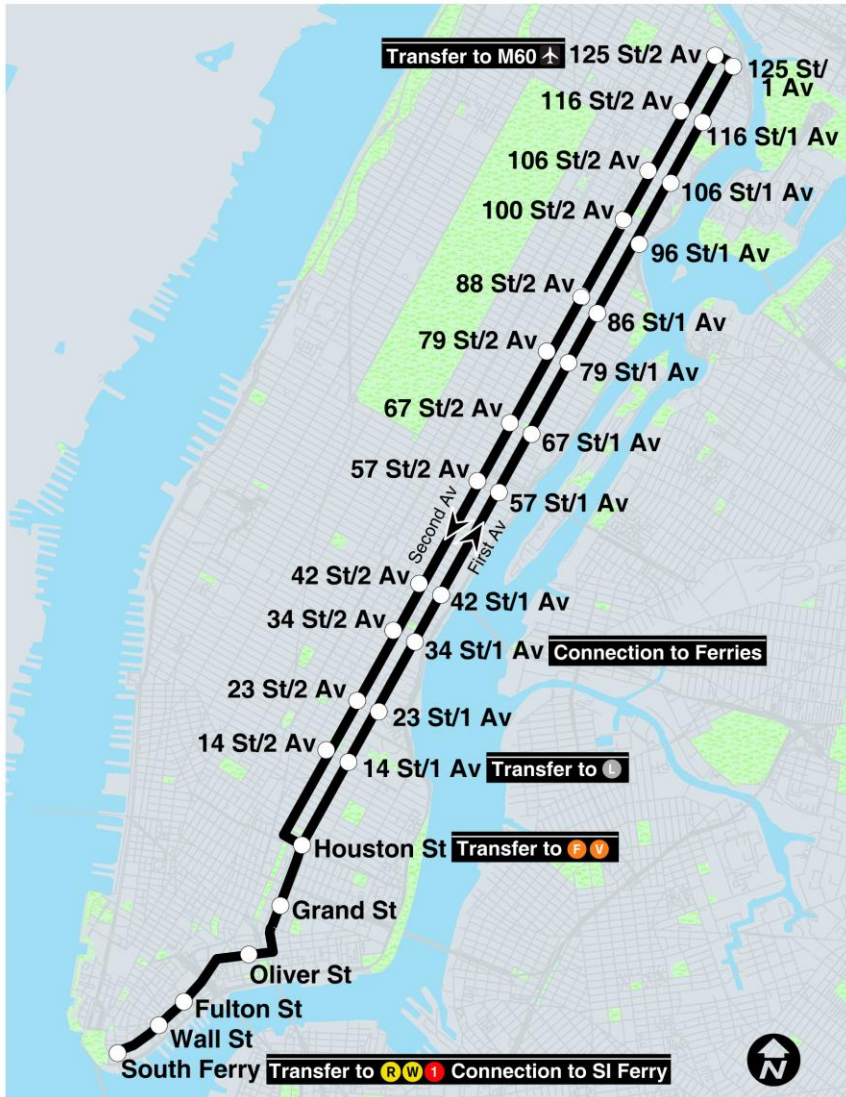


Phase I BRT Corridors

NYC BRT Study identified First/Second Avenue M15 as a top Bus Rapid Transit corridor in 2006



About the Corridor



8.5 miles from South Ferry to 125th Street

Currently served by M15 bus route

Over 57,000 weekday riders

Bus speeds have been declining

Ridership has been decreasing

Within a ¼ mile:

537,000 residents

78% of households do not own a car

57% of residents commute by transit

First Ave/Second Ave SBS Features

Improved Service

Increased hours of service and simpler service pattern

Signal Priority

Transit signal priority between Houston Street and South Ferry

Fare Collection

Proof-of-payment fare system with fare pre-payment

Bus Lanes

Curbside or offset bus lanes between Houston and 125th Streets



Public Outreach

Community Advisory Committee

Composed of:

Elected Officials

Community Organizations

Community Boards

Business Representatives

Major Institutions

Transit Customers

Meetings in May 2009, September 2009, January 2010

Community Board Meetings

Board 1 meeting: December 2009

Meetings with Boards 3, 6, 8 and 11: February/March 2010

Public Open Houses

March 18 and 23, 2010

2009 Schedule

Outreach

CAC
meeting
#1

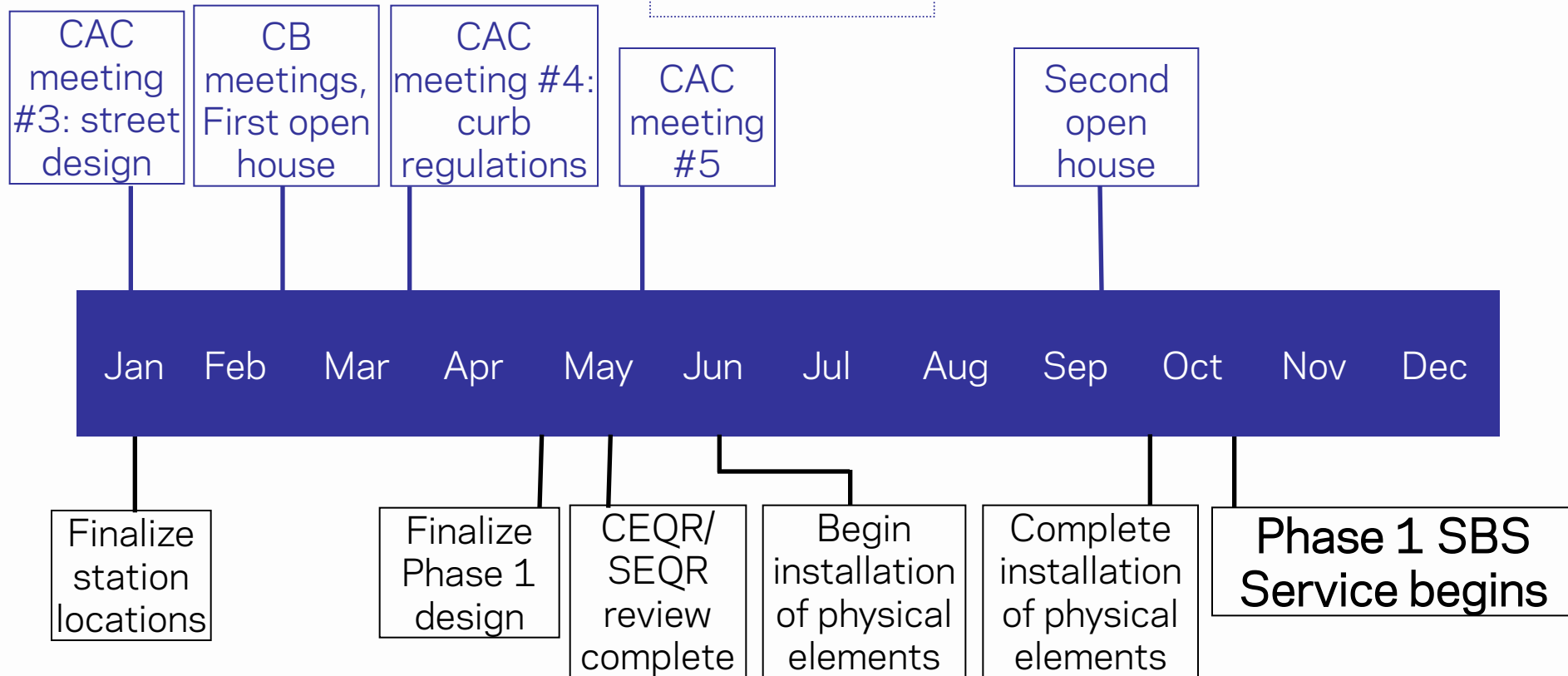
Fordham
Rd SBS
CAC tour

CAC
meeting
#2:
Station
locations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

2010 Schedule

Outreach



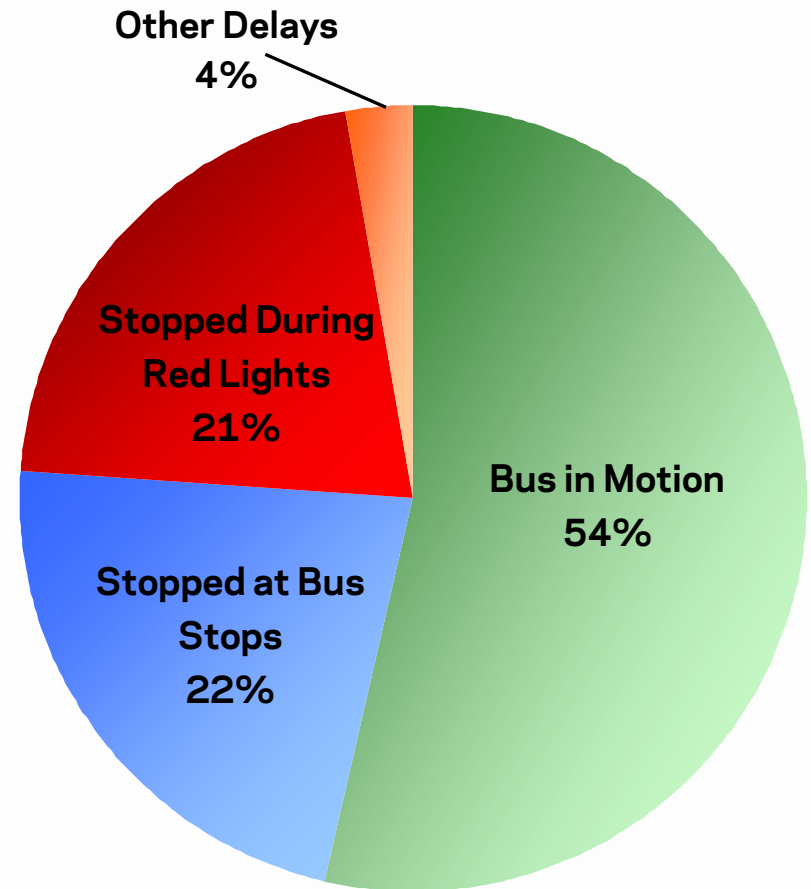
Project Milestones

Design Goals

Design Goals

Improve bus service

Sources of delay on M15 Limited



34th Street Enhanced Bus Priority

Features:

- Curbside bus lane
- Real-time arrival information
- Left-turn signal priority
- Taxi video enforcement

Results:

- 17% improvement in travel time
- 29% less time stopped at red lights



Fordham Road Select Bus Service

Features:

Curbside Bus Lane

Off-Board Fare Collection

Transit Signal Priority

Results:

Travel Time: 20% reduction
in running time

Ridership: 10% increase
from October 2007 to
October 2008

Customer Satisfaction:
98% satisfied or very
satisfied



Design Goals

Improve bus service

Improve pedestrian safety

Pedestrian safety data, 2006-2008

	Pedestrian fatalities	Pedestrian crashes
First Avenue	7	538
Second Avenue	4	597

Protected Bicycle Paths and Pedestrian Improvements

Features:

- Physically separated right-of-way
- Pedestrian refuge islands
- Floating Parking
- Trees and plantings

Results:

- Pedestrian injuries on Broadway: ↓ 40%
- Ninth Avenue: ↓ 29%
- Grand Street: ↓ 28%

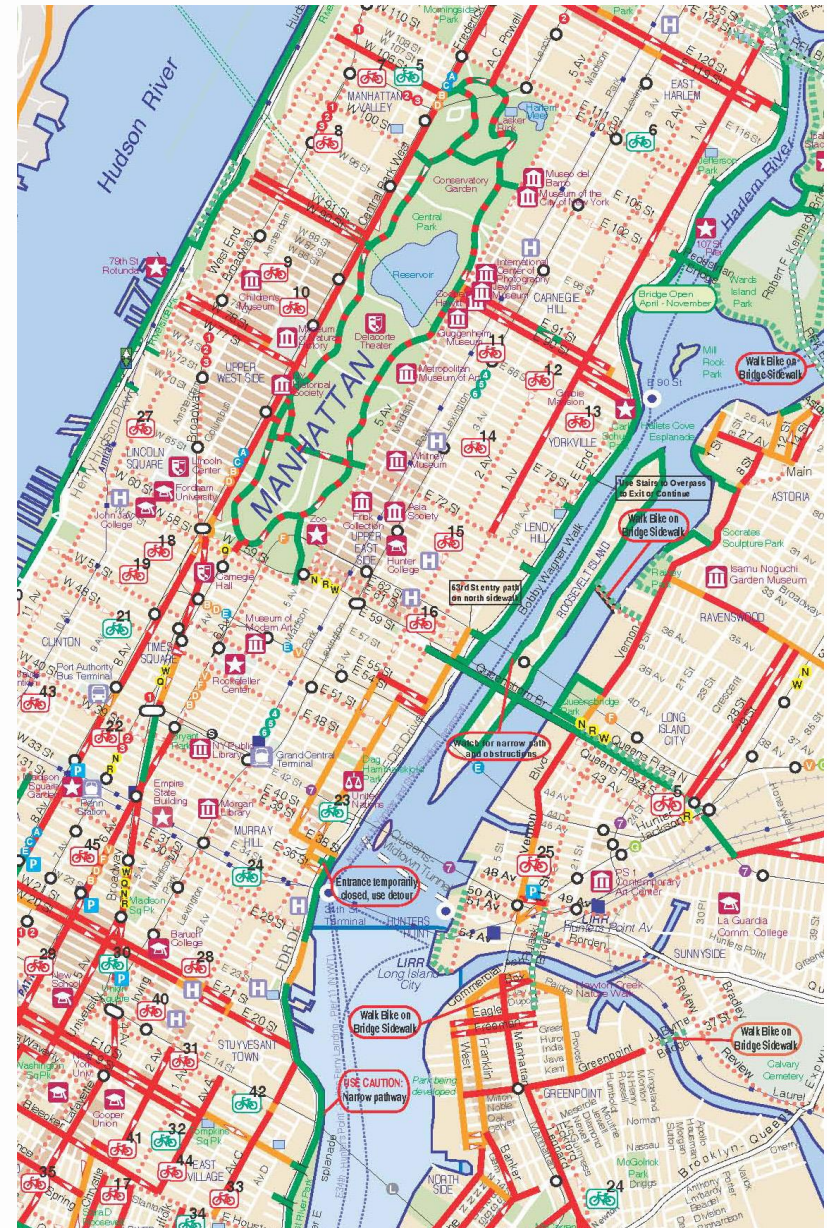


Design Goals

Improve bus service

Improve pedestrian safety

Improve bicycle access on the East Side



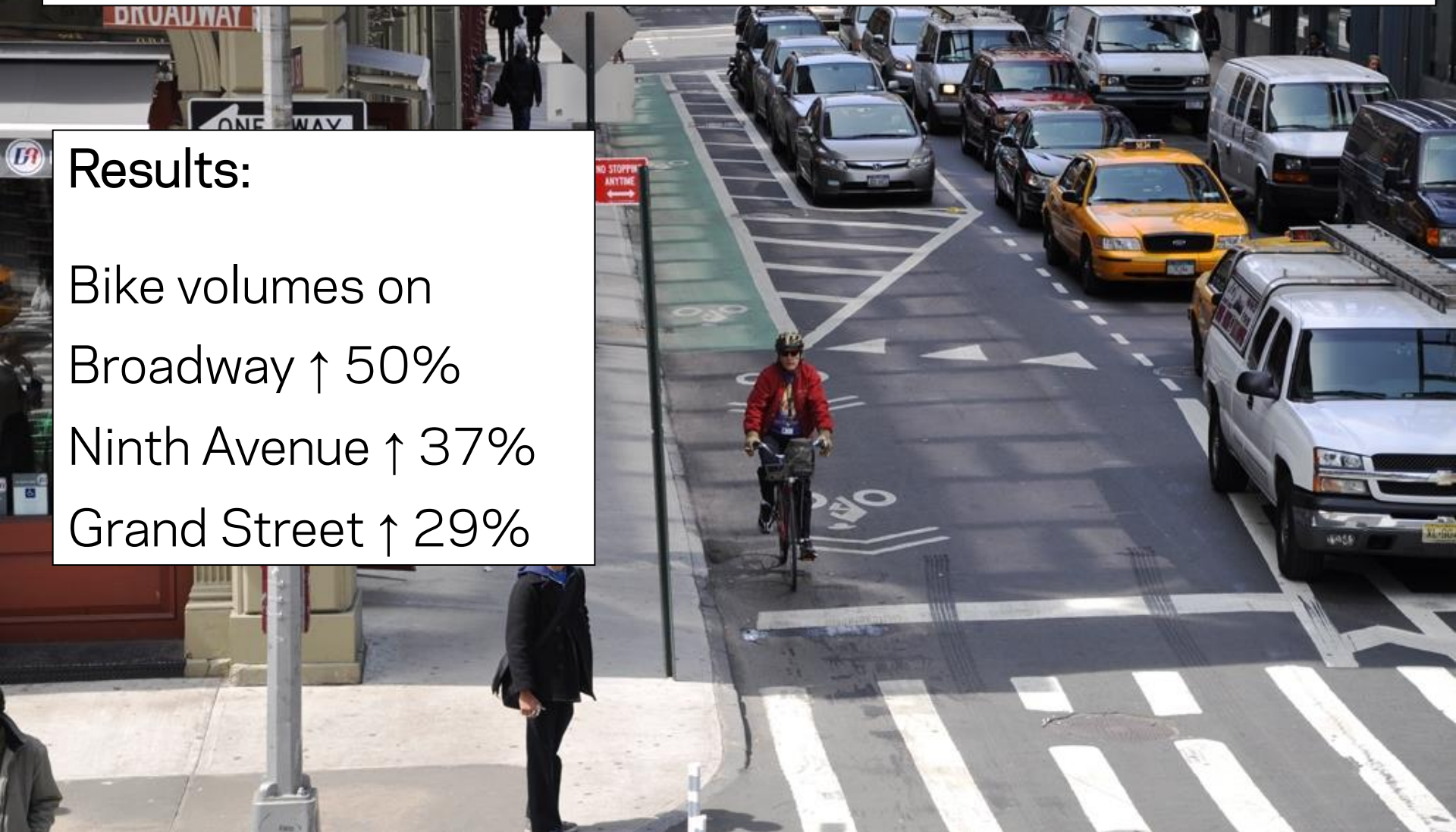
Protected Bicycle Paths and Pedestrian Improvements

Results:

Bike volumes on
Broadway ↑ 50%

Ninth Avenue ↑ 37%

Grand Street ↑ 29%



Design Goals

Improve bus service

Improve pedestrian safety

Improve bicycle access on the East Side

Maintain traffic flow

Allow curb access for deliveries, dropoffs and short-term parking

Street Design

Range of treatments throughout the corridor due to:

- Traffic levels

- Changes in street width

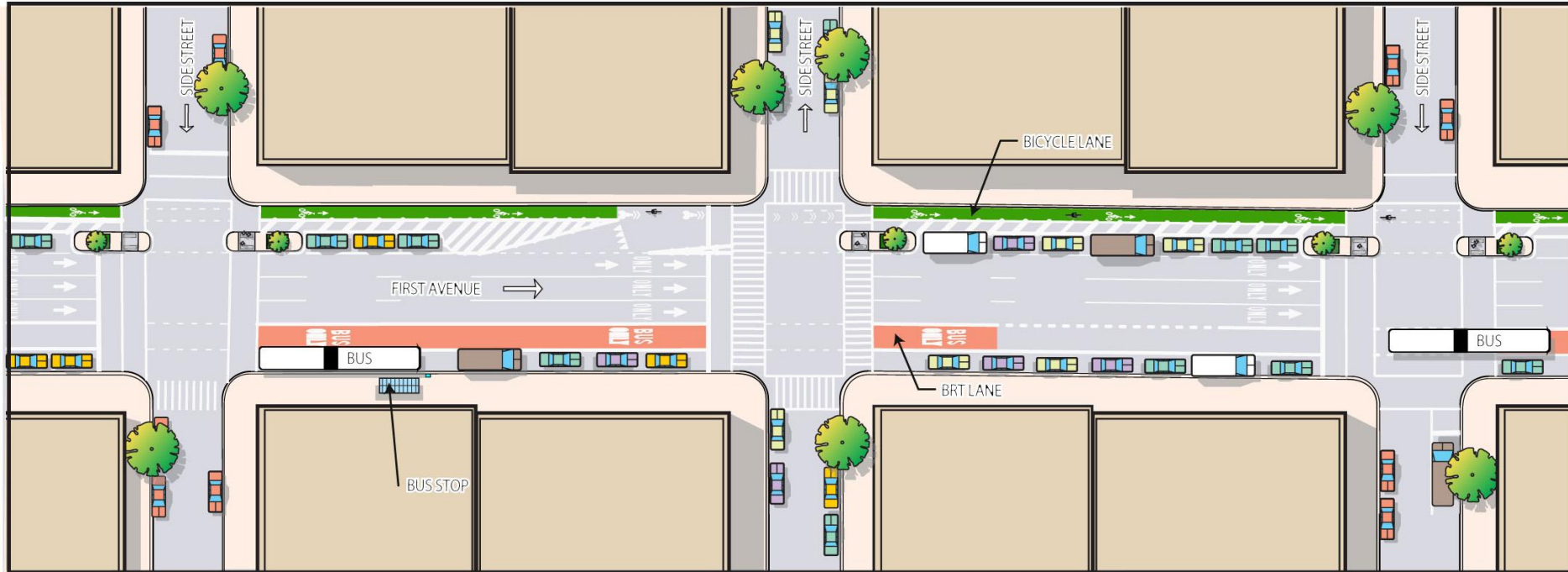
- Curbside access needs

First Avenue/Second Avenue SBS

Design A



Design A



Design A with bus bulb



Design A with bus bulb



First Avenue/Second Avenue SBS

Typical Bus Bulb

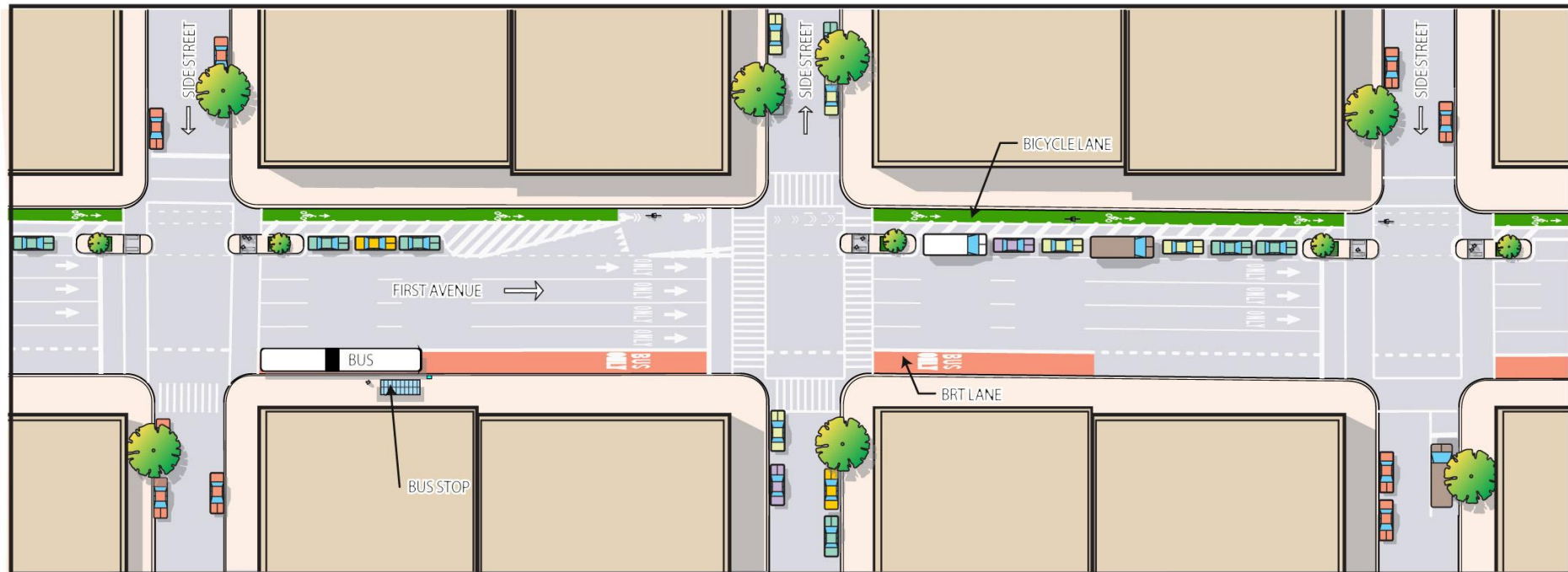


First Avenue/Second Avenue SBS

Design B



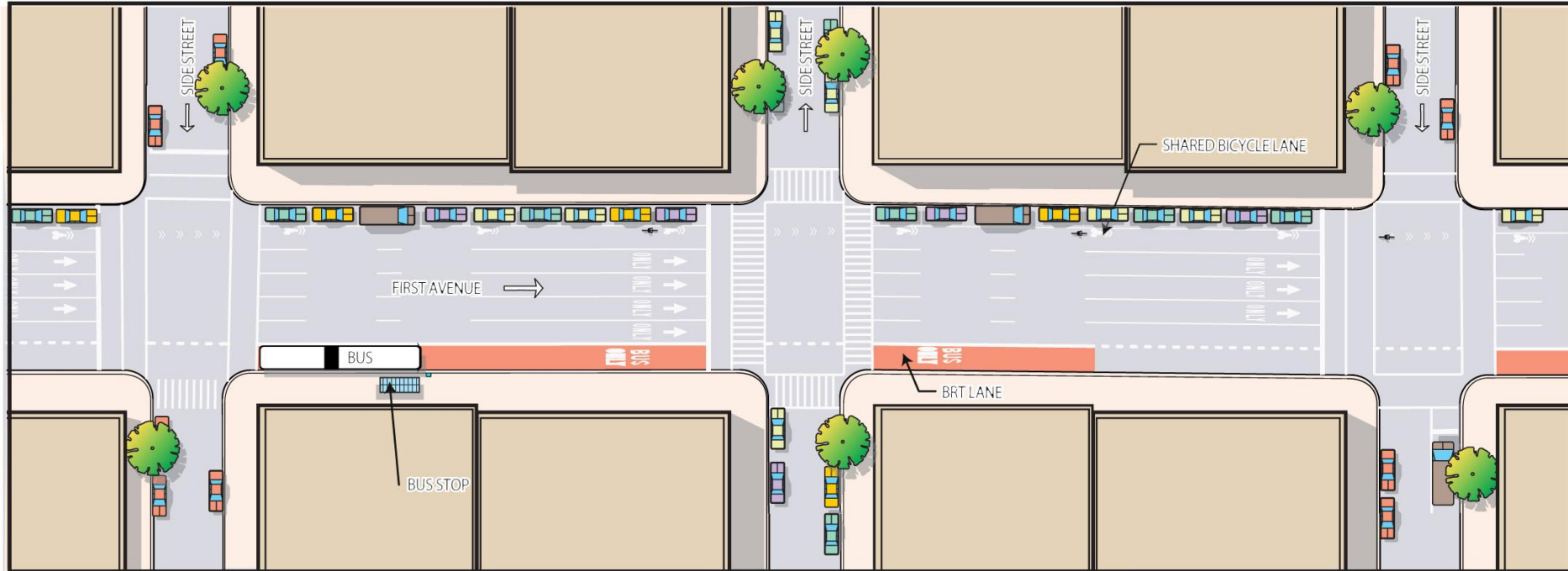
Design B



Design C

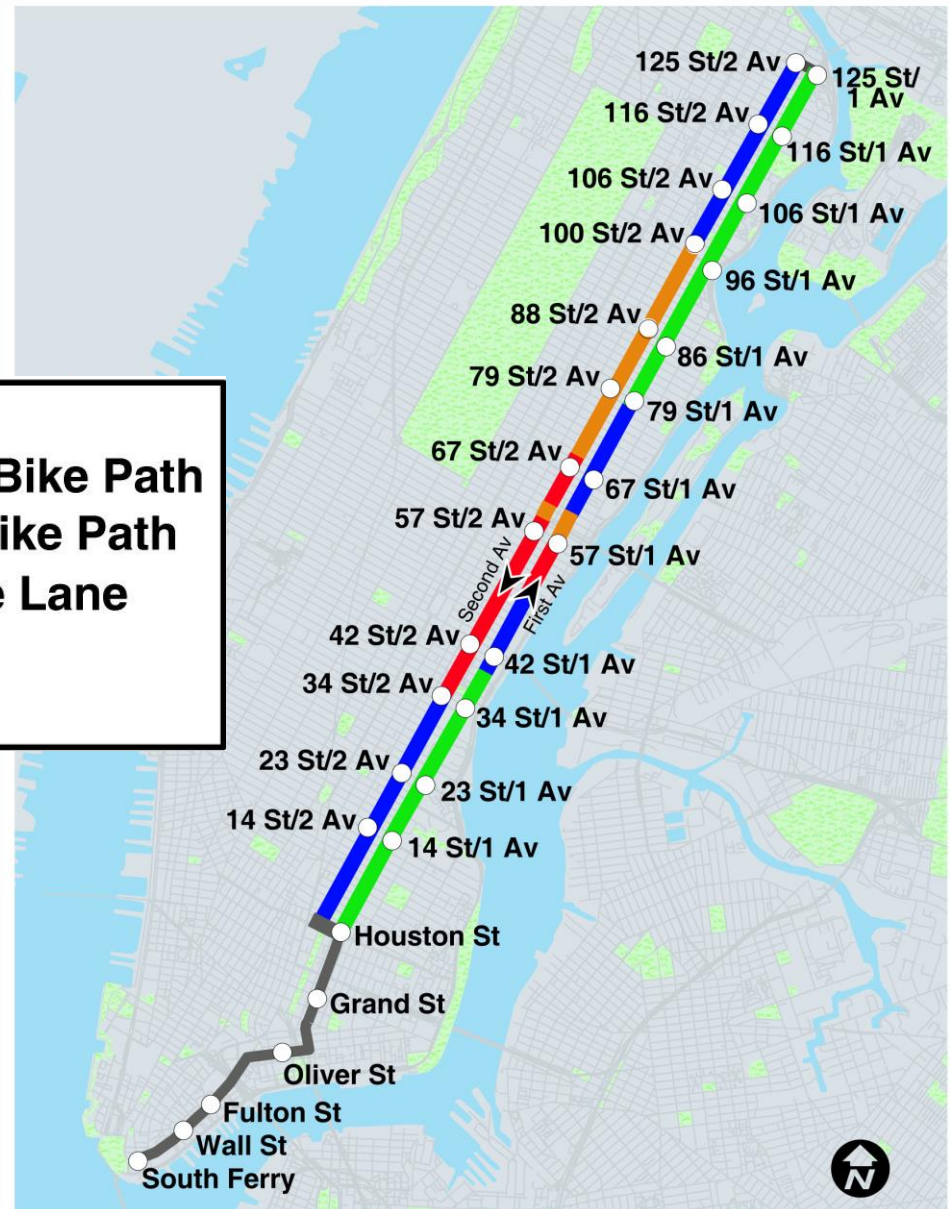


Design C



Corridor Map

- SBS Station
- A: Offset Bus Lane, Protected Bike Path
- B: Curb Bus Lane, Protected Bike Path
- C: Curb Bus Lane, Shared Bike Lane
- No change to street design
- Construction Zone



Corridor Map

First Avenue

Design A:

Houston St to 40th St

79th St to 125th St

Design B:

40th St to 49th St

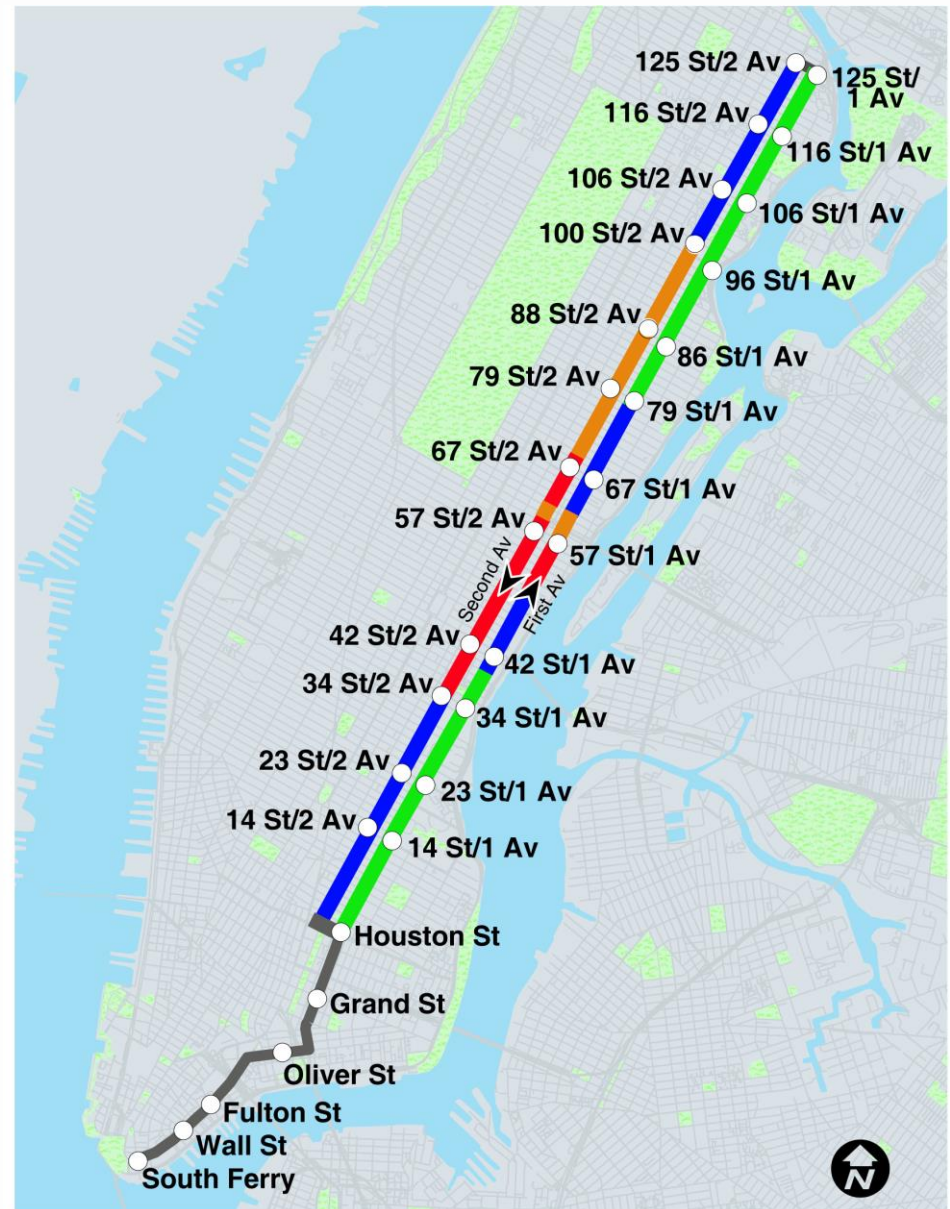
61st St to 79th St

Design C:

49th St to 57th St

Construction Zone:

57th St to 61st St



Corridor Map

Second Avenue

Design B:

125th St to 100th St

34th St to Houston St

Design C:

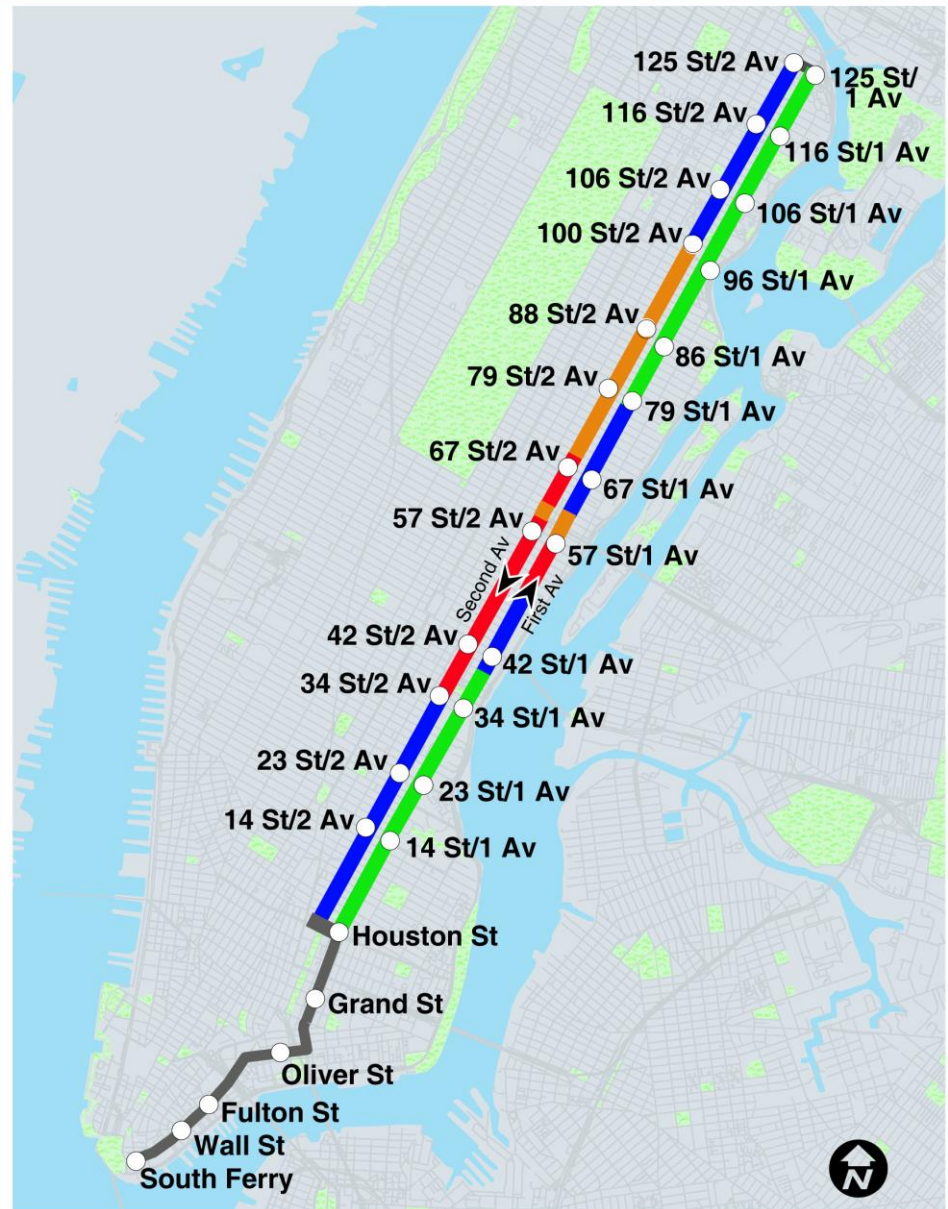
68th St to 61st St

59th St to 34th St

Construction Zone:

100th St to 68th St

61st St to 59th St



First Avenue/Second Avenue SBS

Community Board 8

SAS Construction



Design A



Design B



Design C



First Avenue/Second Avenue SBS

CB8 Issues

Transitions into and out of construction zones

Curbside access for area hospitals, businesses

Second Avenue Subway construction

Street Design in Construction Zone

Off-board fare collection machines to be installed at

East 100th Street

East 88th Street

East 79th Street

East 67th Street

No other planned changes to street design in construction zone (East 100th to East 68th Streets)



Second Avenue Subway construction

During Construction

NYCT and DOT are working with SAS team to:

- Eliminate SBS station/routing conflicts

- Ensure inclusion of SBS elements in service restoration

In Operation

Under Phase 1 and full-build of SAS, passenger demand on M15 will remain high



CB8 Station Locations

First Avenue/Second Avenue SBS

67th Street/First Avenue (Northbound)

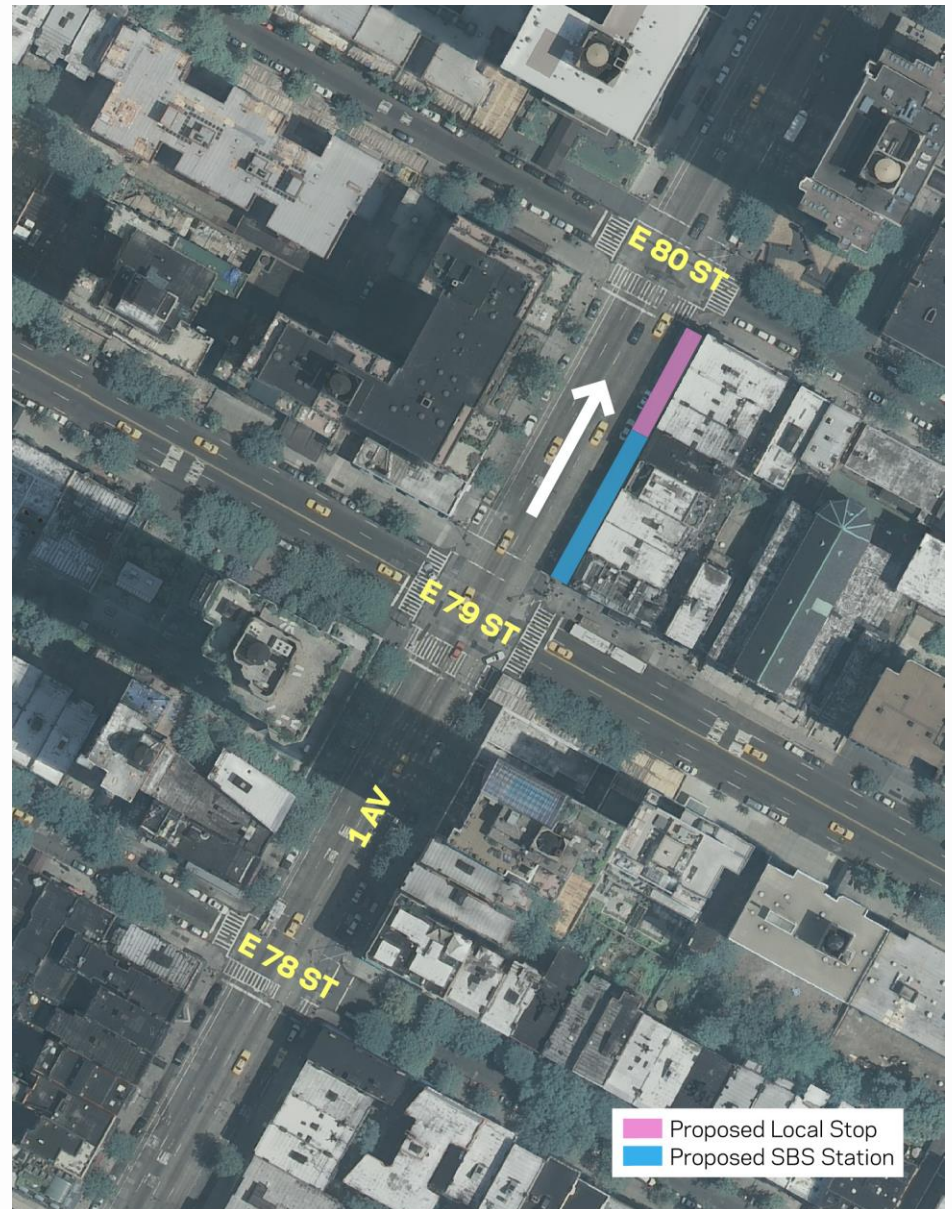
SBS at near side of 68th
Street

Local between 66th and 67th
Streets



79th Street/First Avenue (Northbound)

SBS south of local between
79th and 80th Streets



86th Street/First Avenue (Northbound)

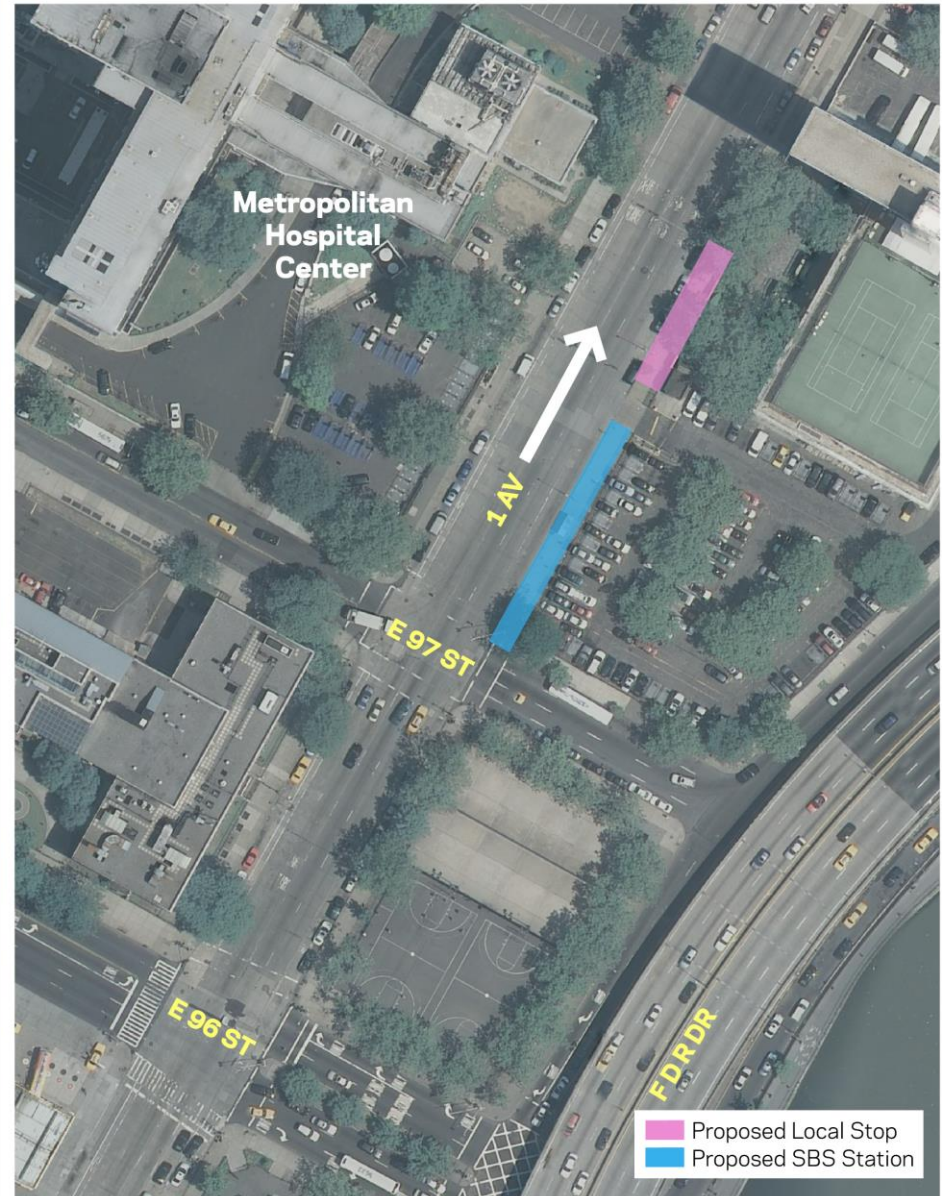
SBS north of local between
86th and 87th Streets



First Avenue/Second Avenue SBS

96th Street/First Avenue (Northbound)

SBS south of local north of
97th Street

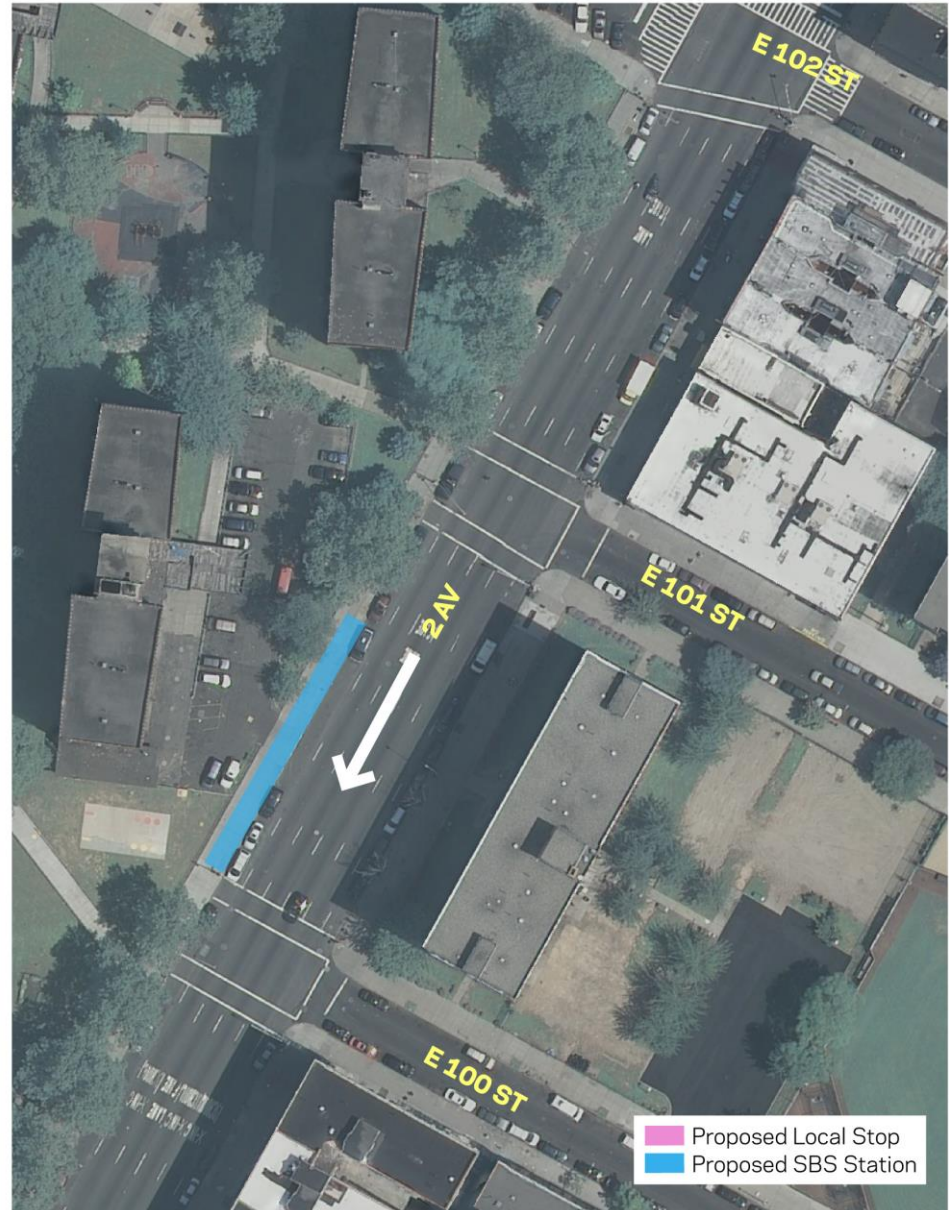


First Avenue/Second Avenue SBS

100th Street/Second Avenue (Southbound)

SBS between 101st and 100th
Streets

Location during Second Avenue
Subway construction



First Avenue/Second Avenue SBS

88th Street/First Avenue (Southbound)

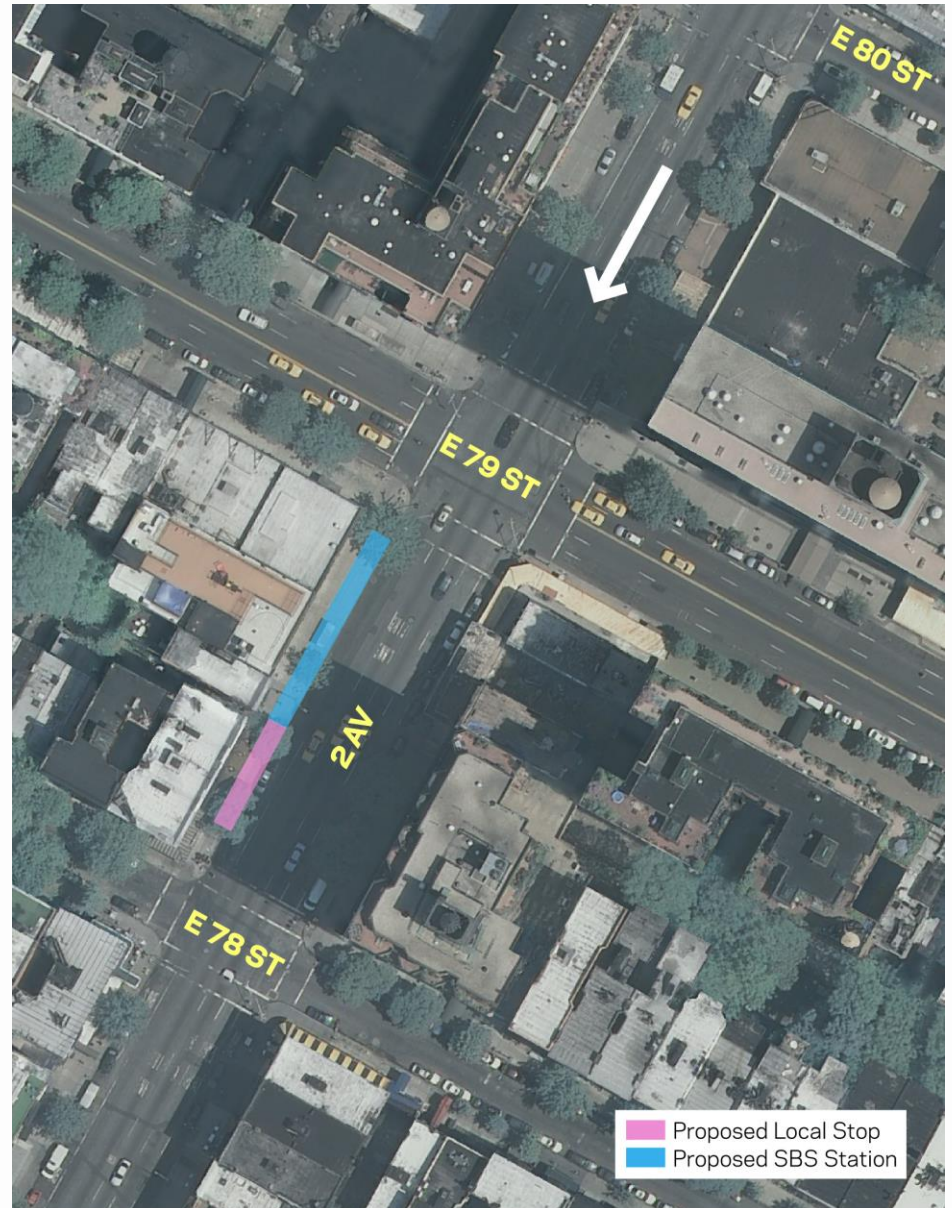
SBS south of local between
89th and 88th Streets



First Avenue/Second Avenue SBS

79th Street/First Avenue (Southbound)

SBS north of local between
79th and 78th Streets

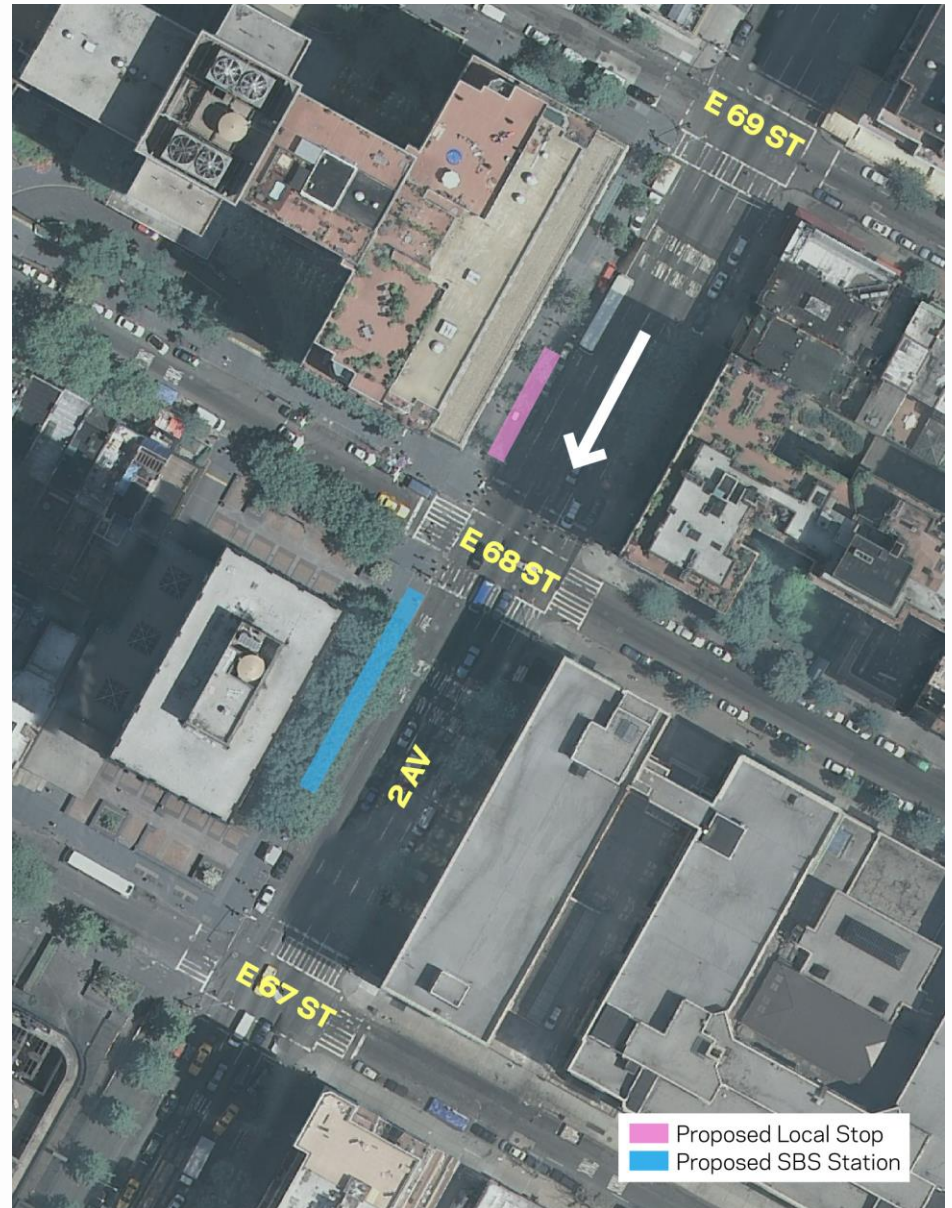


First Avenue/Second Avenue SBS

67th Street/First Avenue (Southbound)

SBS at far side of 68th Street

Local at near side of 68th
Street



Next Steps

Next meetings

Community Board Meetings – February/March 2010

Public Open Houses – March 2010

Fourth CAC meeting – April 2010

Questions and Comments?