



 New York City Transit



First Avenue/Second Avenue Select Bus Service

Manhattan Community Board 8 Transportation Committee
Thursday, March 11, 2010

Agenda

Project Overview

Project Schedule

Design Goals

Proposed Design

CB8 Issues

Next Steps

First Avenue/Second Avenue SBS

Phase I BRT Corridors

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



First Avenue/Second Avenue SBS

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 Avenue/Second Avenue SBS

SBS Features

Features	Current M15	M15 SBS (2010)	M15 SBS (2012)
Local service	Yes	Yes	Yes
Limited service	Yes	No	No
Simpler service pattern	No	Yes	
Off-board fare collection	No	Yes	
Regular bus fare	Yes	Yes	
Improved bus lanes	No	Yes	
Low-floor, three-door articulated buses	No	Yes	
Bus bulbs	No	No	Yes
Transit Signal Priority	No	No	Yes (below Houston St)

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

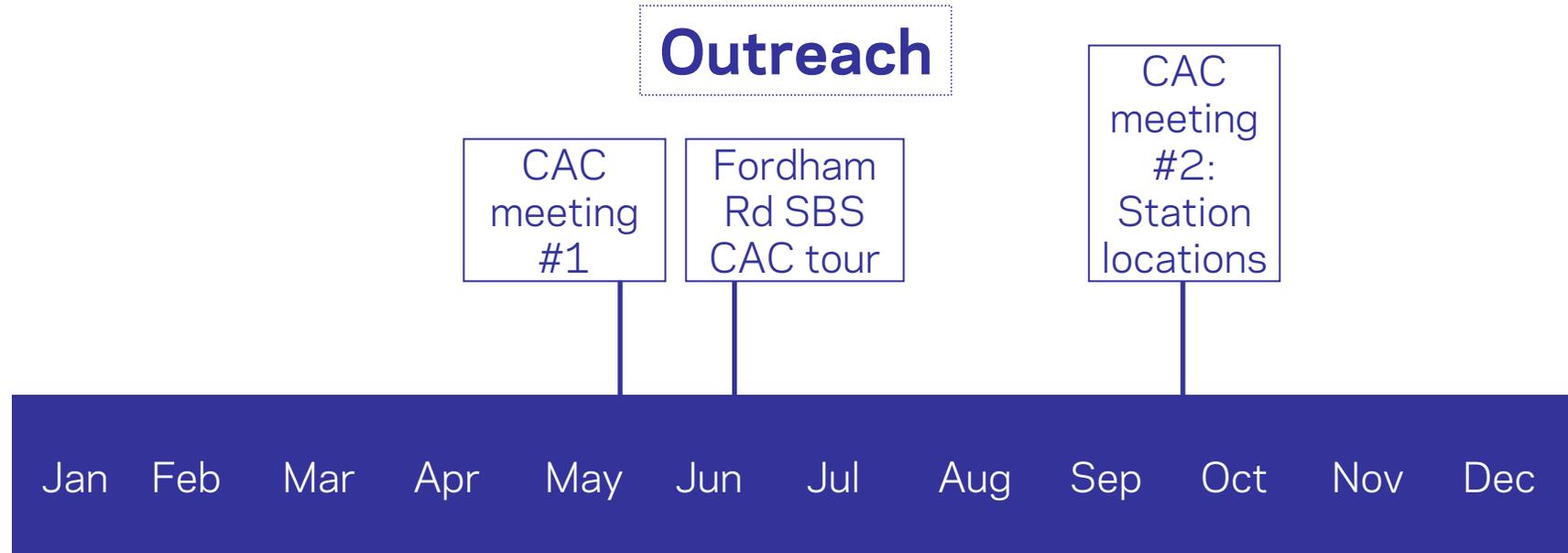
Meetings with Boards 3, 6, 8 and 11: February/March 2010

Public Open Houses

March 18 and 24, 2010

First Avenue/Second Avenue SBS

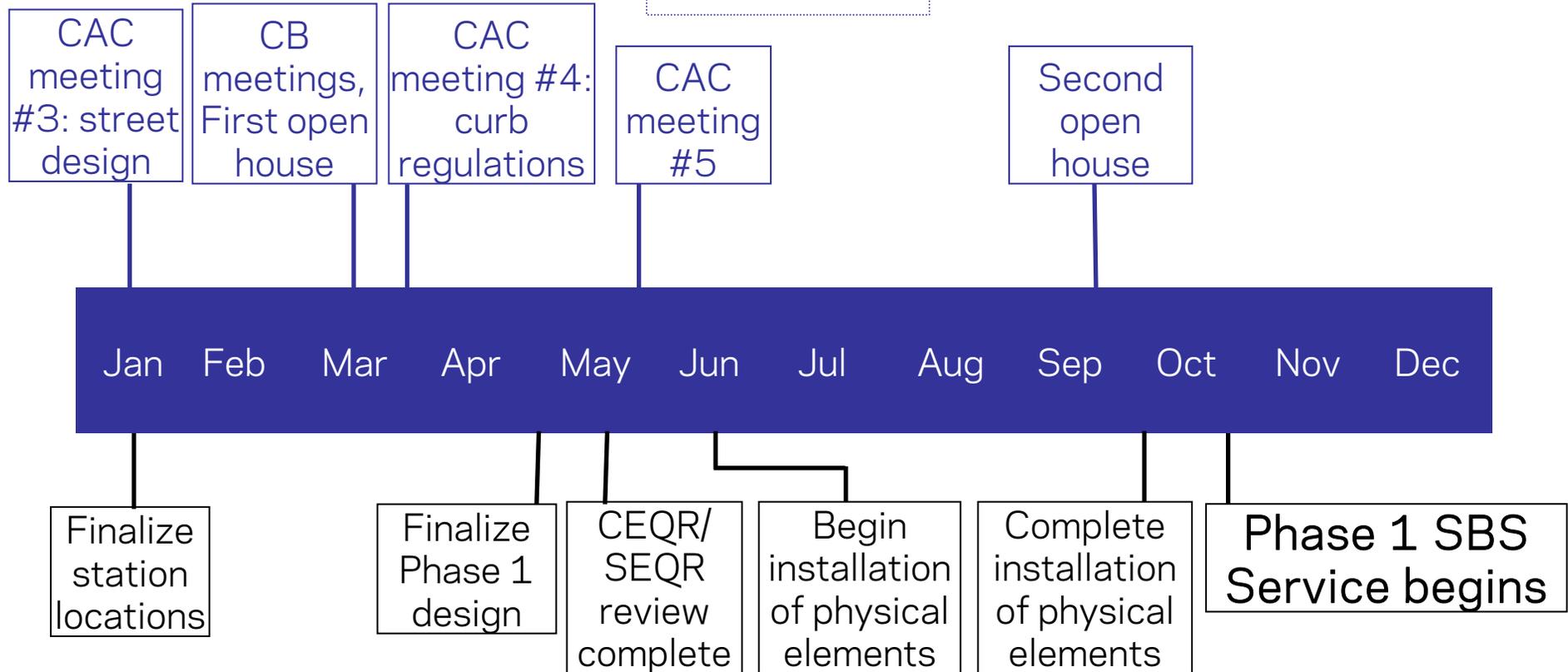
2009 Schedule



First Avenue/Second Avenue SBS

2010 Schedule

Outreach

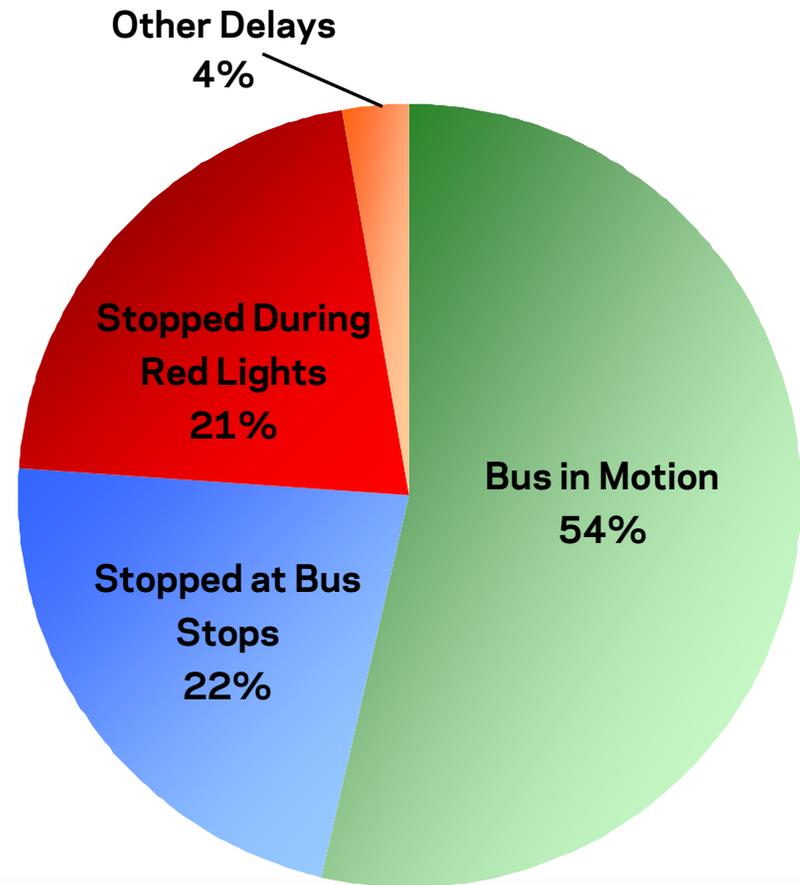


Project Milestones

Design Goals

Improve bus service

Sources of delay on M15 Limited



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

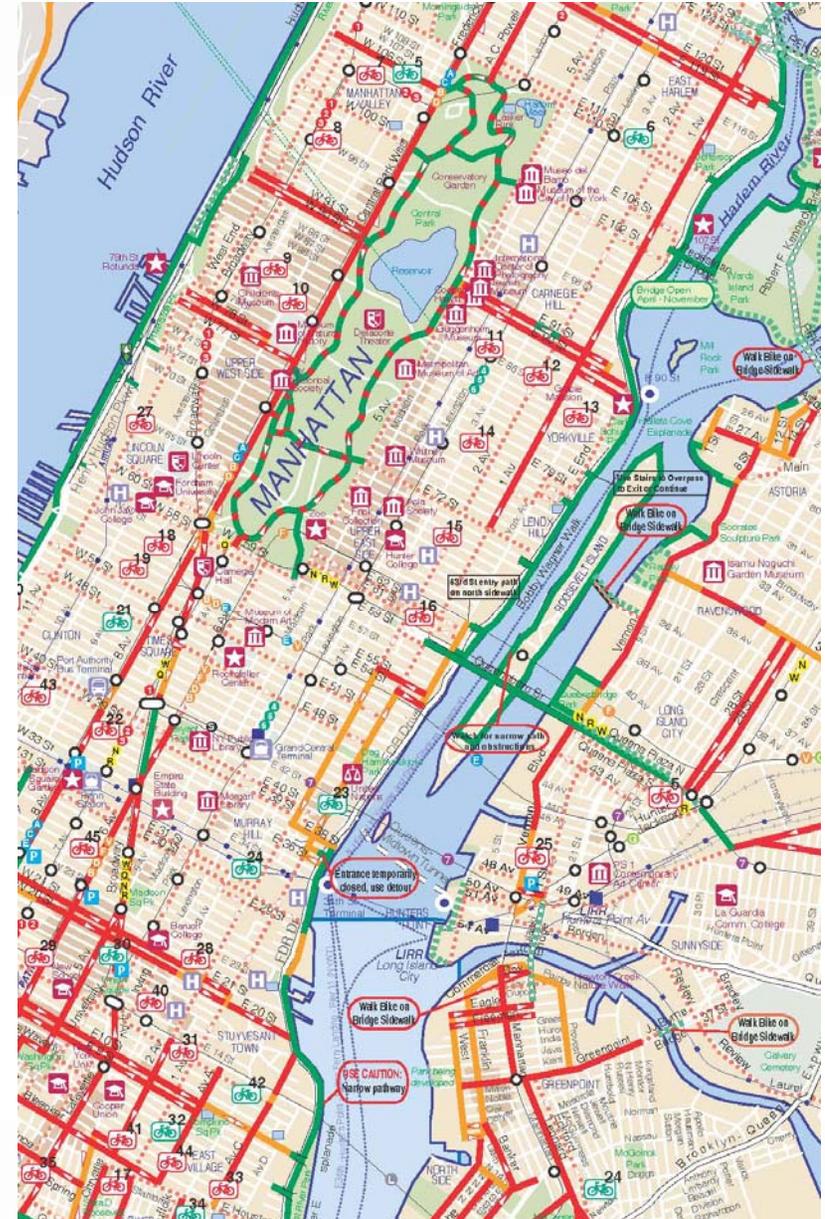
First Avenue/Second Avenue SBS

Design Goals

Improve bus service

Improve pedestrian safety

Improve bicycle access on the East Side



First Avenue/Second Avenue SBS

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%

First Avenue/Second Avenue SBS

Protected Bicycle Paths and Pedestrian Improvements

Results:

Bike volumes on

Broadway \uparrow 50%

Ninth Avenue \uparrow 37%

Grand Street \uparrow 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

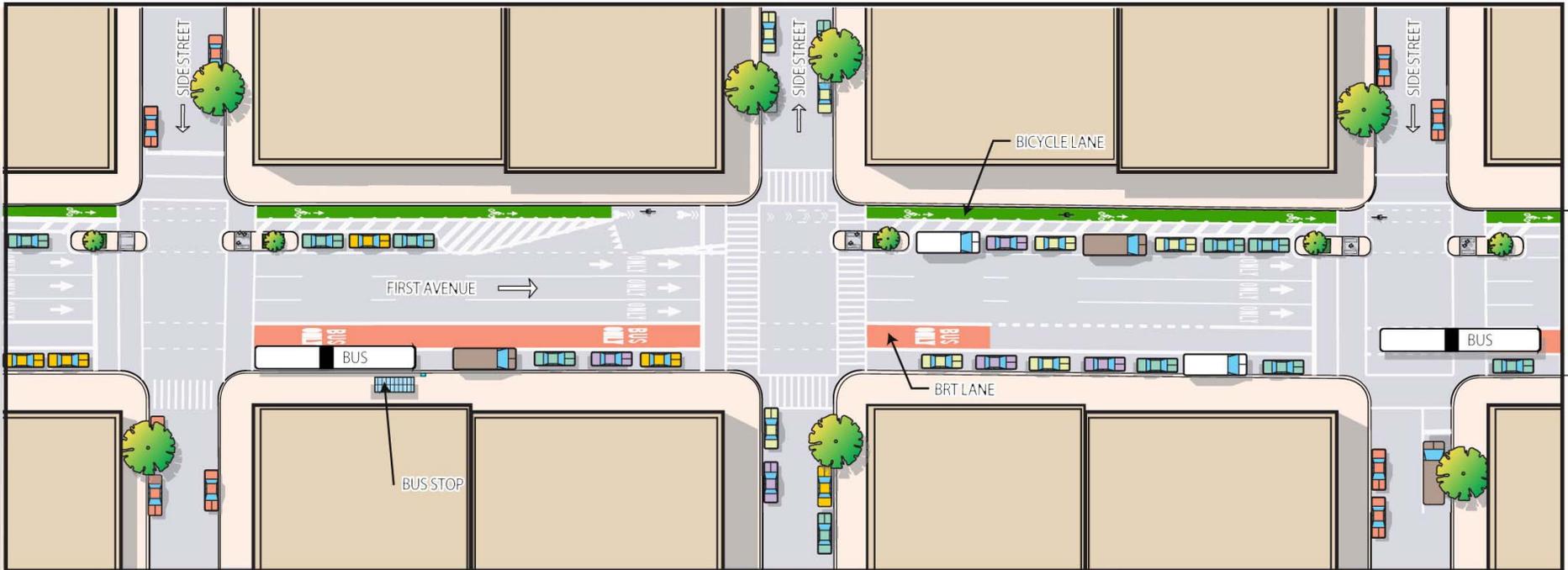
First Avenue/Second Avenue SBS

Design A



First Avenue/Second Avenue SBS

Design A



First Avenue/Second Avenue SBS

Design A



First Avenue/Second Avenue SBS

Design A with bus bulb



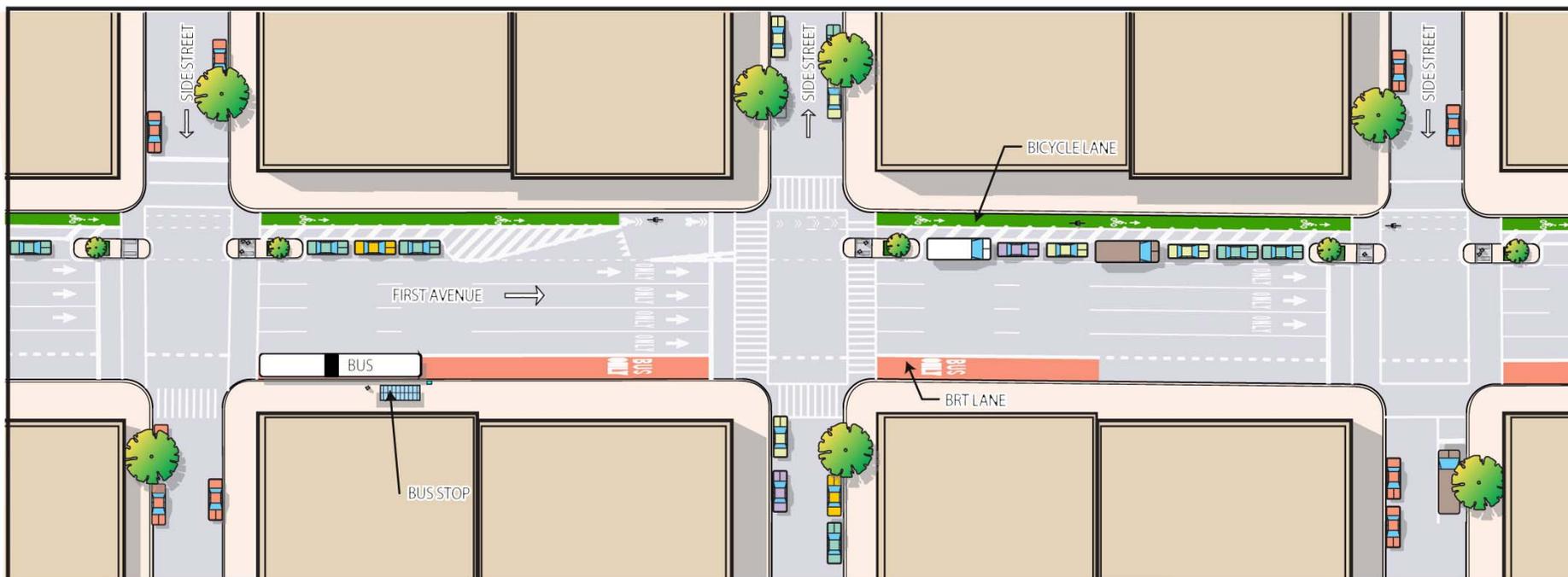
First Avenue/Second Avenue SBS

Design B



First Avenue/Second Avenue SBS

Design B



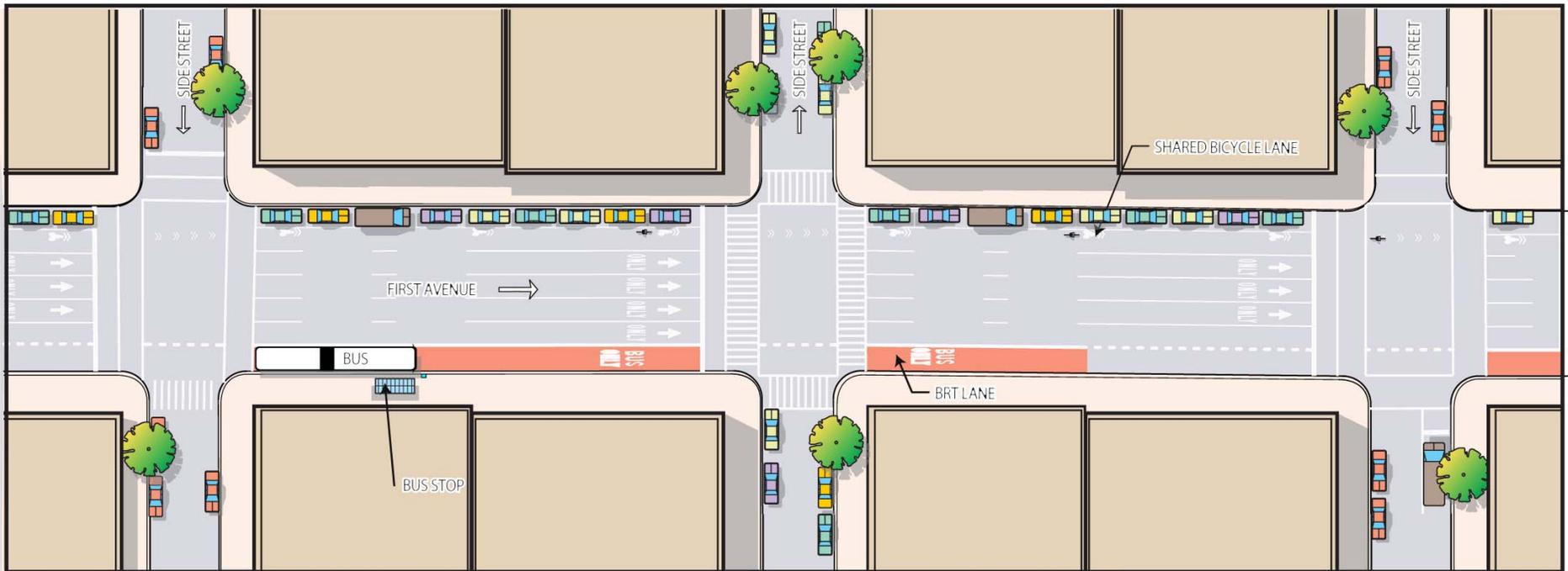
First Avenue/Second Avenue SBS

Design C



First Avenue/Second Avenue SBS

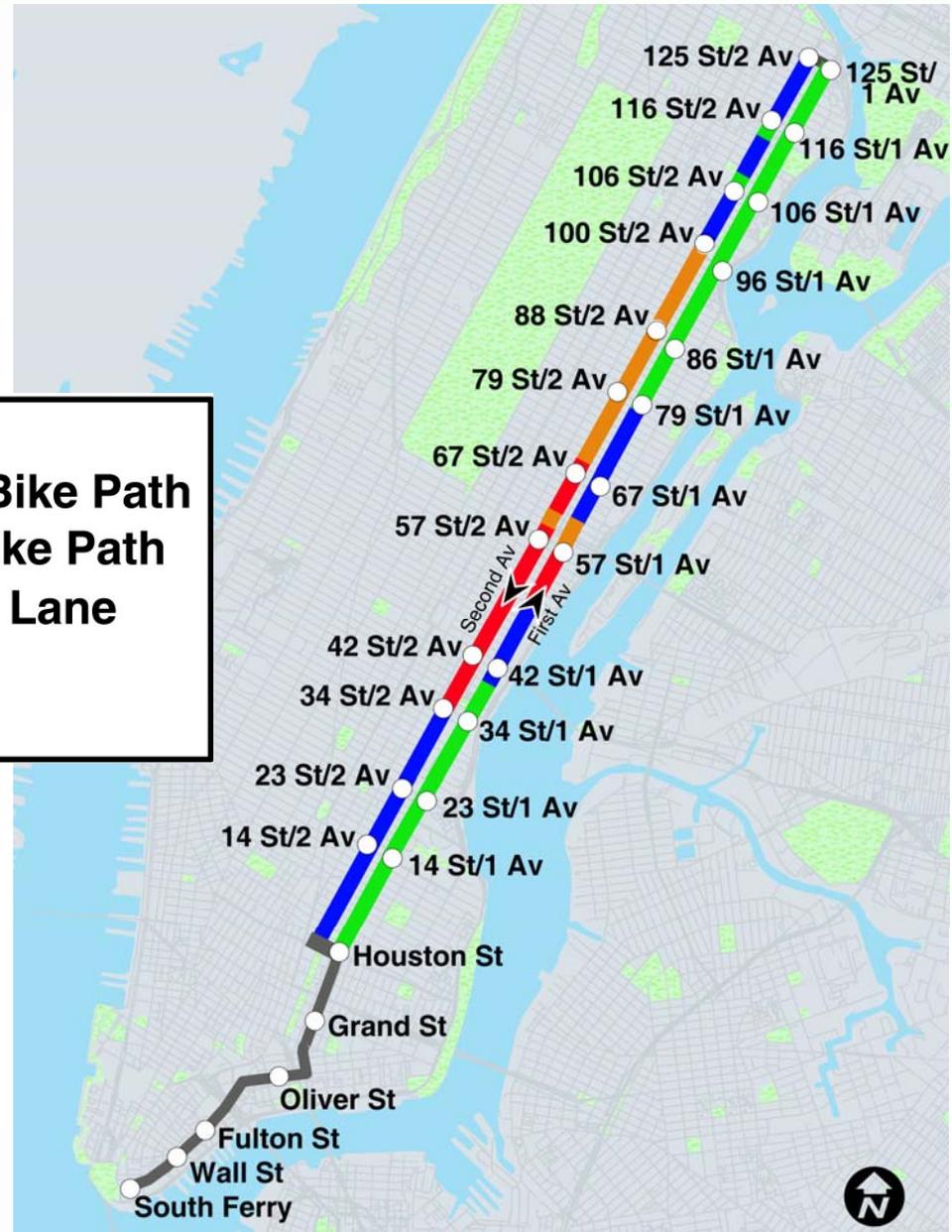
Design C



First Avenue/Second Avenue SBS

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



First Avenue/Second Avenue SBS

Corridor Map

First Avenue

Design A:

Houston St to 40th St

79th St to 125th St

Design B:

40th St to 49th St

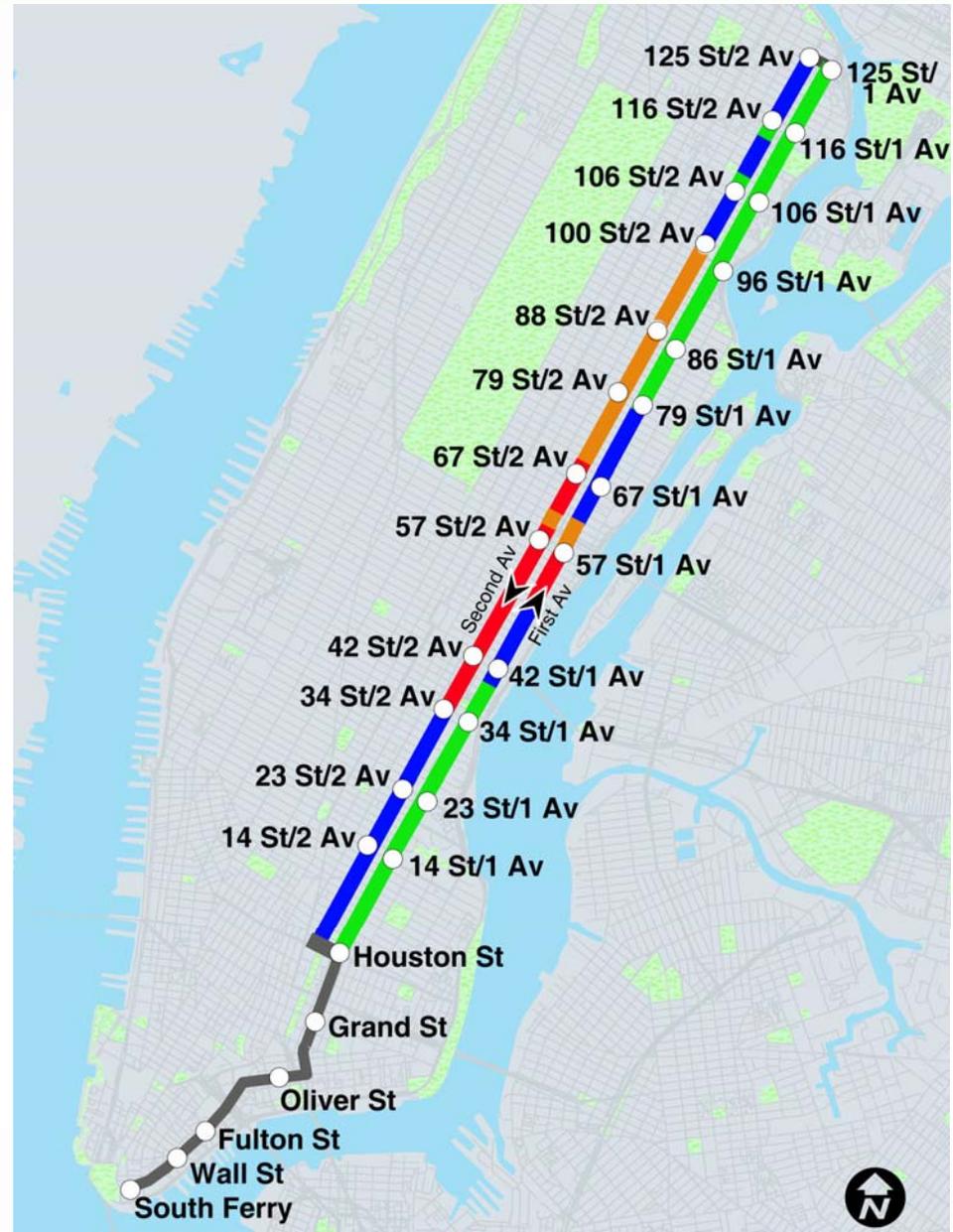
61st St to 79th St

Design C:

49th St to 57th St

Construction Zone:

57th St to 61st St



First Avenue/Second Avenue SBS

Corridor Map Second Avenue

Design A:

115th St to 113th St
108th St to 106th St

Design B:

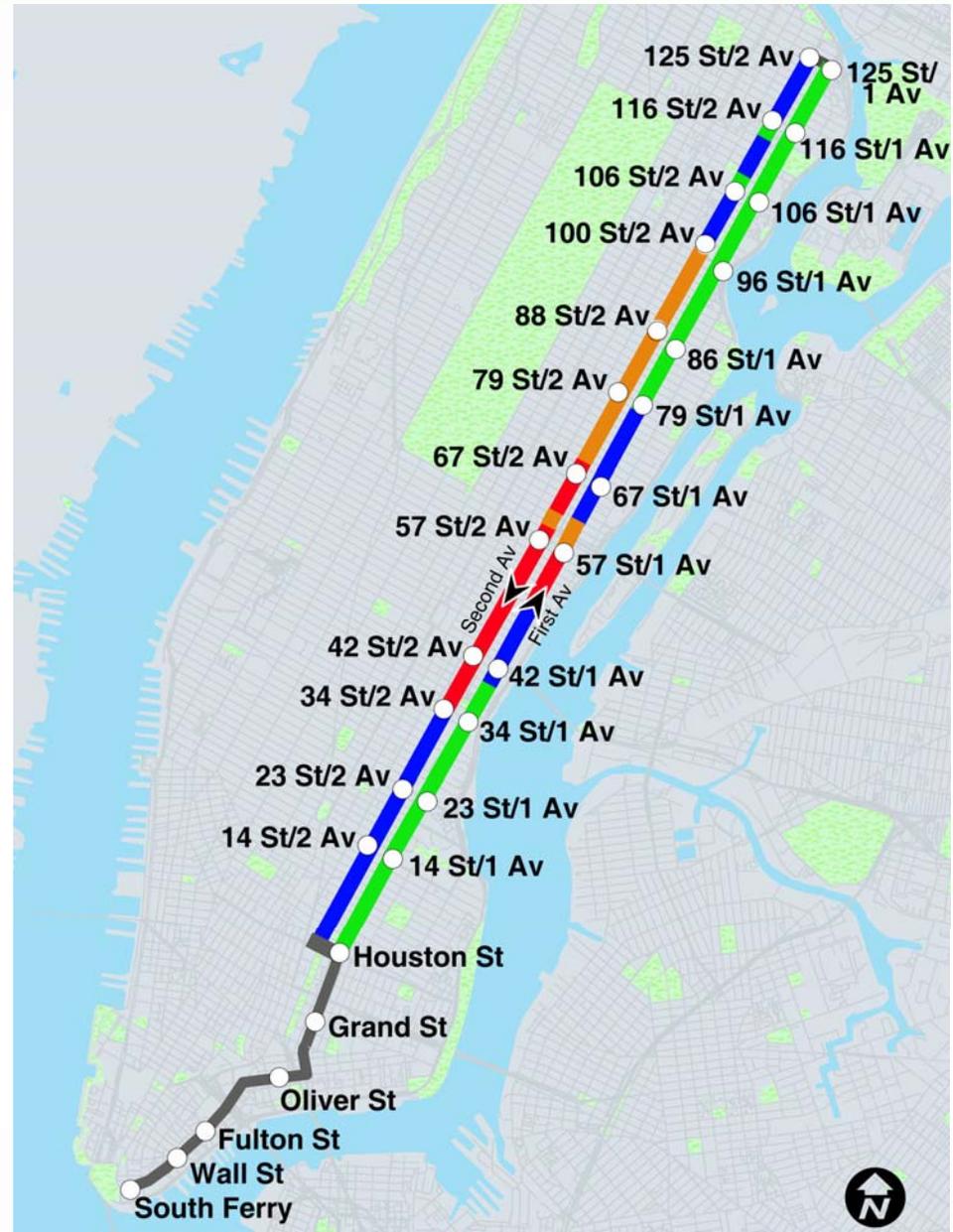
125th St to 115th St
113th St to 108th St
106th St to 100th St
34th St to Houston St

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



100 St/2 Av

96 St/1 Av

88 St/2 Av

86 St/1 Av

79 St/2 Av

79 St/1 Av

67 St/2 Av

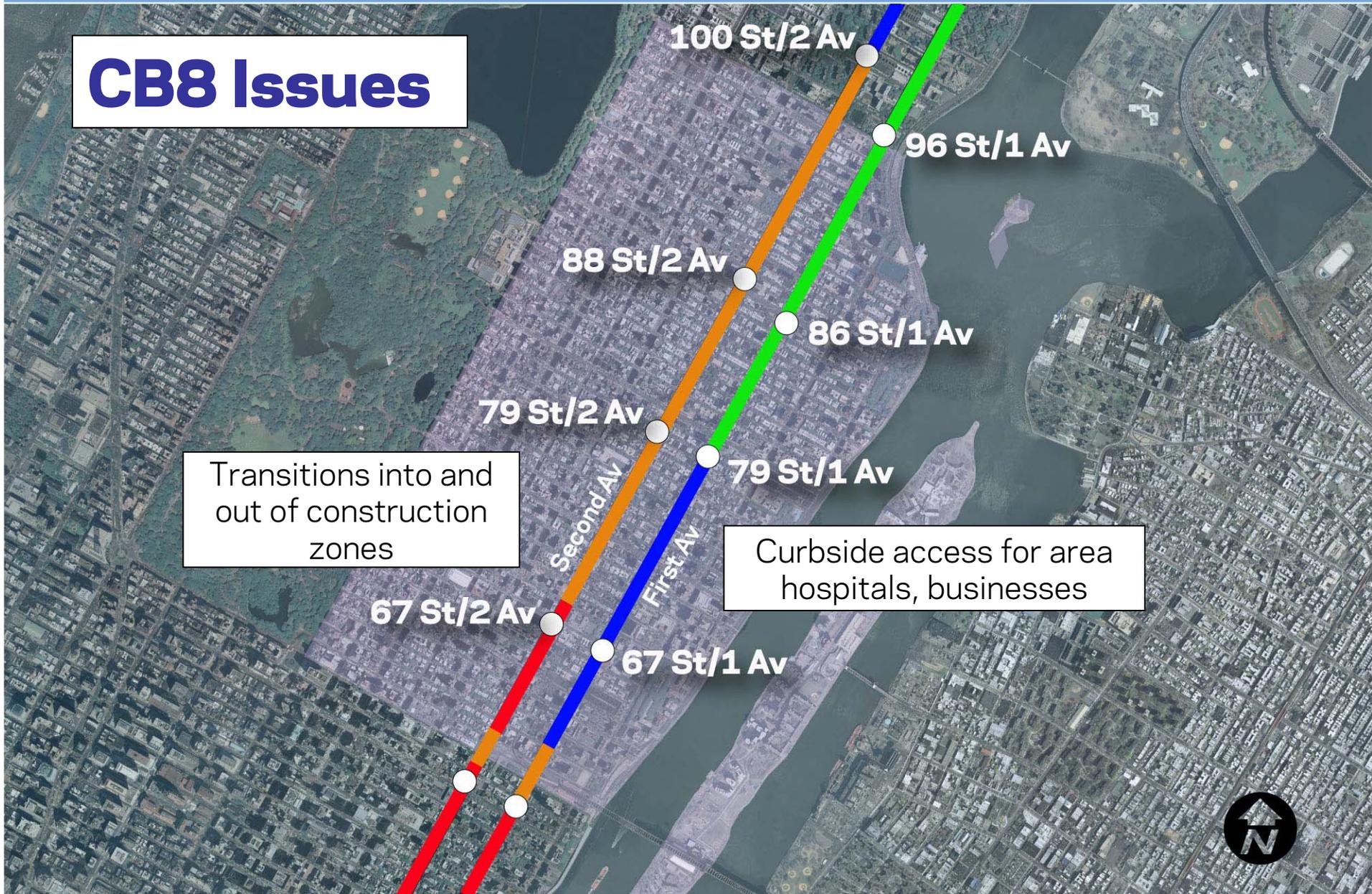
67 St/1 Av

Second Av
First Av



First Avenue/Second Avenue SBS

CB8 Issues



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

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



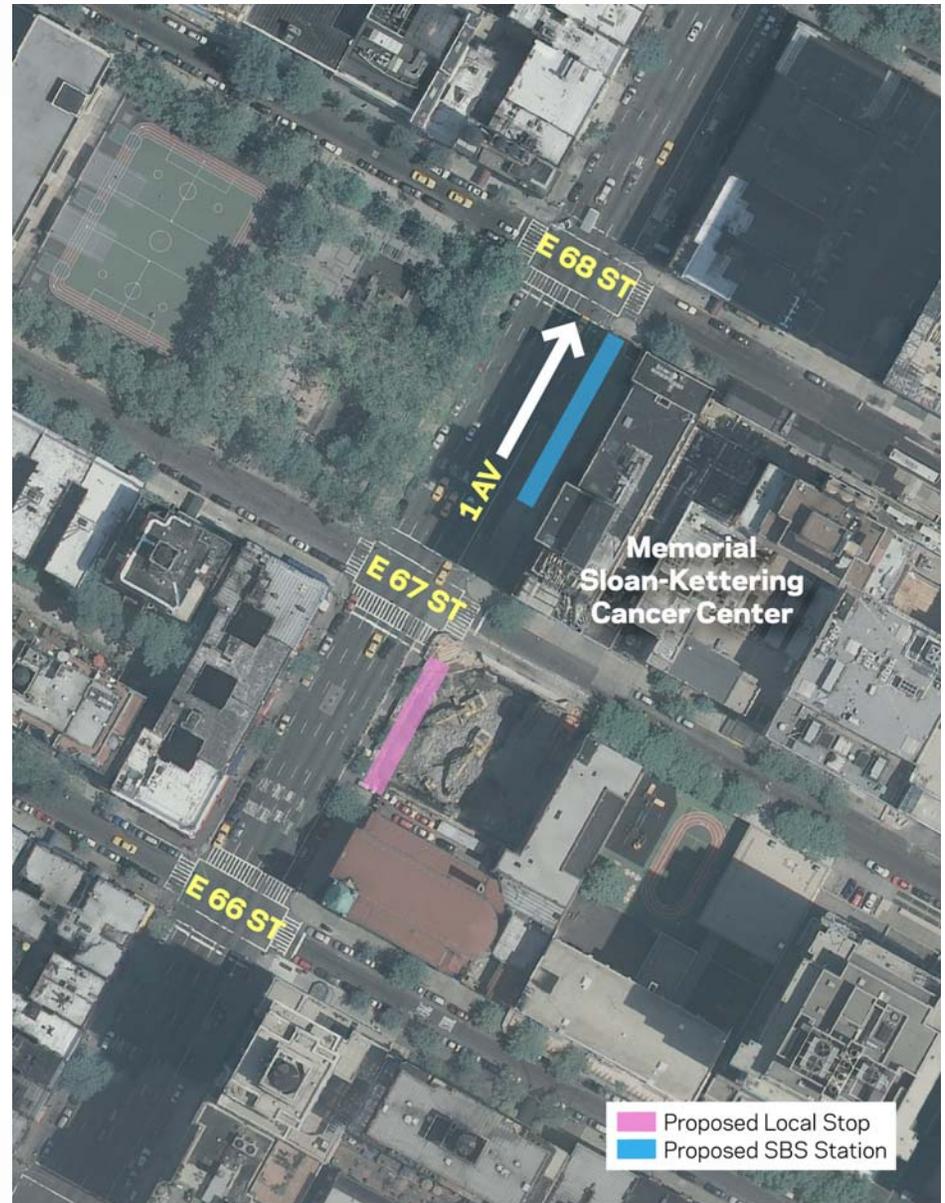
CB8 Station Locations

First Avenue/Second Avenue SBS

67th Street/First Avenue (Northbound)

SBS at near side of 68th
Street

Local between 66th and 67th
Streets



First Avenue/Second Avenue SBS

79th Street/First Avenue (Northbound)

SBS south of local between
79th and 80th Streets



First Avenue/Second Avenue SBS

86th Street/First Avenue (Northbound)

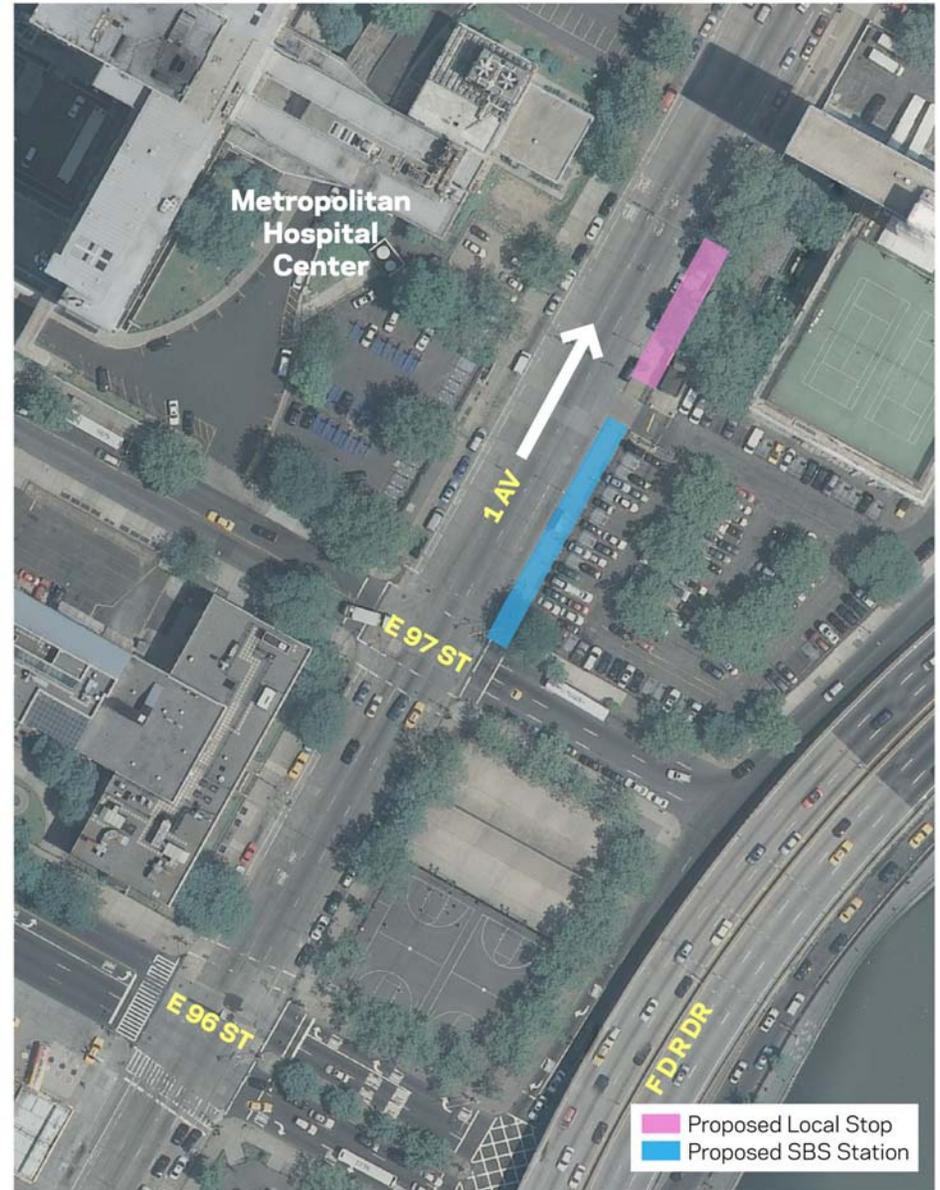
SBS north of local between
86th and 87th Streets



First Avenue/Second Avenue SBS

96th Street/First Avenue (Northbound)

SBS south of local north of
97th Street

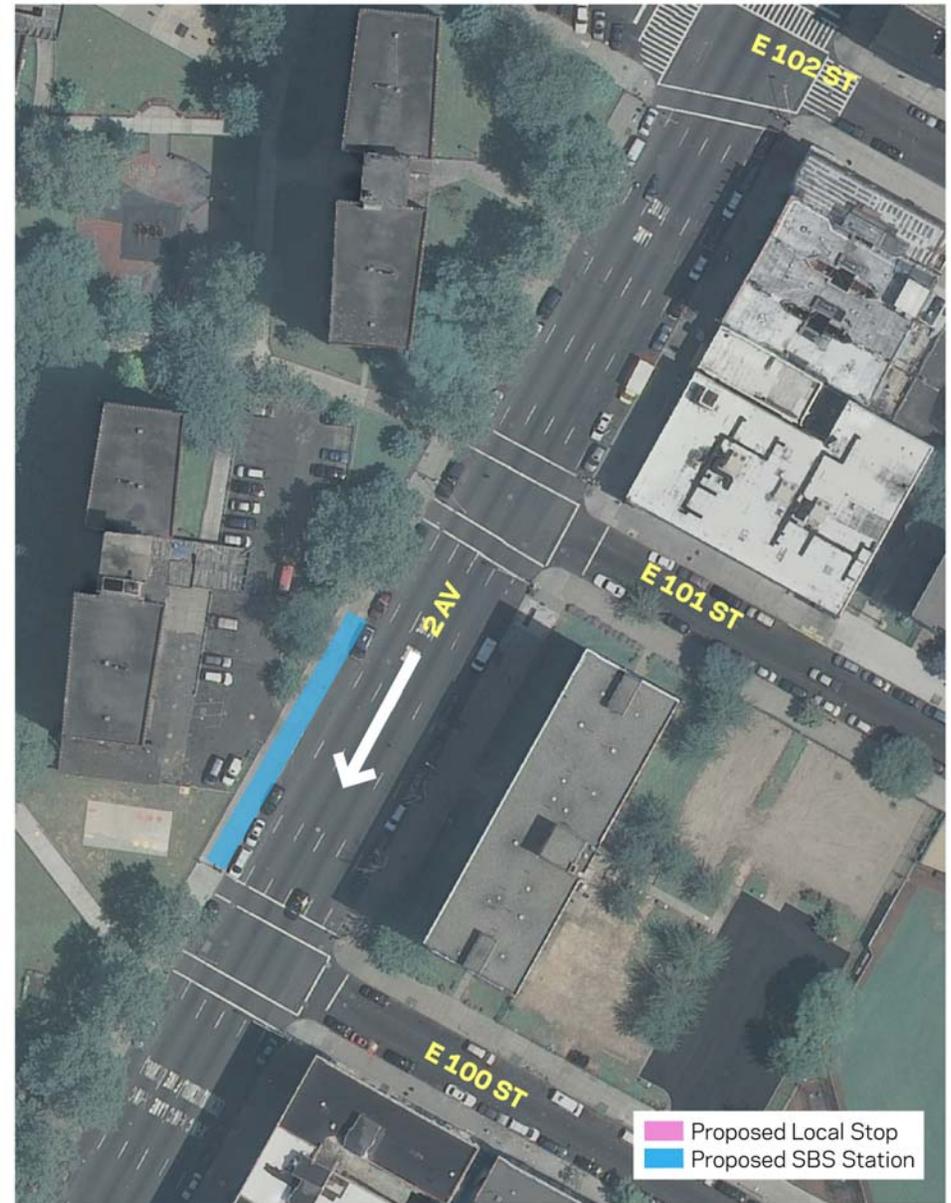


First Avenue/Second Avenue SBS

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)

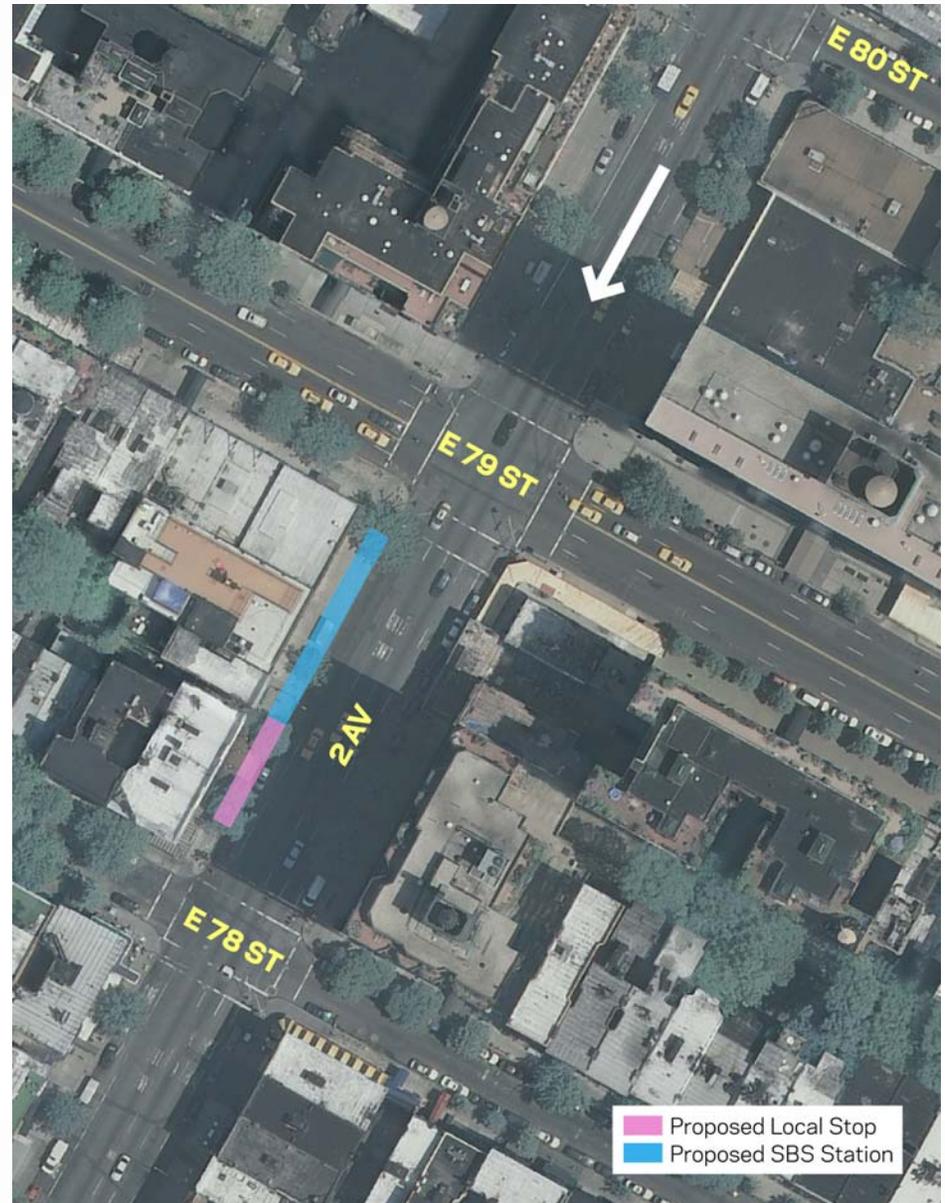
SBS south of local between
89th and 88th Streets



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?