Agenda

- Project Overview
- Project Schedule
- Design Goals
- Proposed Design
- CB8 Issues
- Next Steps
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
## SBS Features

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<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>Local service</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Limited service</td>
<td>Yes</td>
<td>No</td>
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<tr>
<td>Simpler service pattern</td>
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<td>Yes</td>
</tr>
<tr>
<td>Off-board fare collection</td>
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</tr>
<tr>
<td>Regular bus fare</td>
<td>Yes</td>
<td>Yes</td>
<td></td>
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<tr>
<td>Improved bus lanes</td>
<td>No</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>Low-floor, three-door articulated buses</td>
<td>No</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>Bus bulbs</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Transit Signal Priority</td>
<td>No</td>
<td>No</td>
<td>Yes (below Houston St)</td>
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Public Outreach

Community Advisory Committee

Composed of:
- Elected Officials
- Community Boards
- Major Institutions
- Community Organizations
- Business Representatives
- 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
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
First Avenue/Second Avenue SBS

2010 Schedule

Outreach

CAC meeting #3: street design
CB meetings, First open house
CAC meeting #4: curb regulations
CAC meeting #5
Second open house

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

Finalize station locations
Finalize Phase 1 design
CEQR/SEQR review complete
Begin installation of physical elements
Complete installation of physical elements
Phase 1 SBS Service begins

Project Milestones
Design Goals

Improve bus service

Sources of delay on M15 Limited:
- Bus in Motion: 54%
- Stopped at Bus Stops: 22%
- Stopped During Red Lights: 21%
- Other Delays: 4%
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

<table>
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<tr>
<th>Avenue</th>
<th>Pedestrian fatalities</th>
<th>Pedestrian crashes</th>
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<tbody>
<tr>
<td>First Avenue</td>
<td>7</td>
<td>538</td>
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<tr>
<td>Second Avenue</td>
<td>4</td>
<td>597</td>
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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%
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
Design A

First Avenue/Second Avenue SBS

New York City Transit
Design A

First Avenue/Second Avenue SBS

New York City Transit
Design A with bus bulb
Design B

First Avenue/Second Avenue SBS
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

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
**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
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

First Avenue/Second Avenue SBS
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
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
First Avenue/Second Avenue SBS

86th Street/First Avenue (Northbound)

SBS north of local between 86th and 87th Streets
96th Street/First Avenue (Northbound)

SBS south of local north of 97th Street
100th Street/Second Avenue (Southbound)

SBS between 101st and 100th Streets
Location during Second Avenue Subway construction
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?