Spring Street
Bicycle Lane With Connections to Bowery and Stanton St

New York City Department of Transportation
Presented March 17th, 2015 to CB3 Transportation Committee and April 2nd, 2015 to CB2 Transportation Committee
Background

- October 2013 Community Board 2 request for bicycle lane on Spring St between Washington St and Hudson St
- Spring St could provide an eastbound cycling connection through SoHo
6 Citibike stations (190 docks) within 500 feet of Spring St

High bicycle volume on Spring St:

<table>
<thead>
<tr>
<th>block</th>
<th>weekday</th>
<th>weekend</th>
<th>month</th>
<th>time range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Washington St to Greenwich St</td>
<td>243</td>
<td>285</td>
<td>November 2013</td>
<td>7am-7pm</td>
</tr>
<tr>
<td>Sullivan St to Thompson St</td>
<td>465</td>
<td>432</td>
<td>November 2013</td>
<td>7am-7pm</td>
</tr>
<tr>
<td>Crosby St to Broadway</td>
<td>1,141</td>
<td>729</td>
<td>September 2014</td>
<td>1pm-11pm</td>
</tr>
</tbody>
</table>
Existing Conditions on Spring St
Existing Conditions on Spring St (Washington St to Greenwich St)

43 feet wide one-way roadway
Proposed Conditions on Spring St (Washington St to Greenwich St)

Existing

South Sidewalk

43’ Combined Parking and Travel Lanes

North Sidewalk

Proposed

South Sidewalk

14’ Parking Lane

11’ Travel Lane

5’ 0.50’ Parking Lane

North Sidewalk

43’
Example of Buffered Bicycle Lane

Warren St, Manhattan
Existing Conditions on Spring St (Greenwich St to Wooster St)

32 to 35 feet wide one-way roadway
Proposed Conditions on Spring St (Greenwich St to Wooster St)

**Existing**

- Combined Parking and Travel Lanes: 32'

**Proposed**

- South Sidewalk:
  - 8' Parking
  - 10' Travel Lane
  - 5'
  - 9' Parking

- North Sidewalk:
  - 32'
Example of Bicycle Lane

Greenwich St, Manhattan
Existing Conditions on Spring St (Wooster St to Broadway)

30 feet wide one-way roadway
Proposed Conditions on Spring St (Wooster St to Broadway)

**Existing**
- 30’ Combined Parking and Travel Lanes

**Proposed**
- 8’ Parking Lane
- 13’ Shared Lane
- 8’ Parking Lane
Example of Shared Lane

Thompson St, Manhattan
Existing Conditions on Spring St (Broadway to Lafayette St)

- Parking and truck loading on north side
- "No Standing Anytime" regulation on south side

25 feet wide one-way roadway
Proposed Conditions on Spring St (Broadway to Lafayette St)

- Move loading/parking from north side to south side
Example of Curbside Green Bicycle Lane

Stanton St, Manhattan
Existing Conditions on Spring St (Lafayette St to Bowery)

25 feet wide one-way roadway
Proposed Conditions on Spring St (Lafayette St to Bowery)

**Existing**
- South Sidewalk
- Combined Parking and Moving Lanes
- North Sidewalk

25’

**Proposed**
- South Sidewalk
- Combined Parking and Shared Lanes
- 8’ Parking Lane
- North Sidewalk

25’
Bicycle Route Connection to Stanton St

- Washington to Greenwich, 7am - 7pm, November 2013
  - 243 bicyclists (weekday), 285 bicyclists (weekend)

- Sullivan St to Thompson St, 7am - 7pm, November 2013
  - 465 bicyclists (weekday), 432 bicyclists (weekend)

- Crosby to Broadway, 1pm - 11pm, September 2014
  - 1,141 bicyclists (weekday), 729 bicyclists (weekend)

Proposed Project Route
- Stanton St
- Bowery to Chrystie St

Potential Future Route
- Bowery (northbound only)
  - Spring St to Stanton St
Existing Conditions on Bowery (Spring St to Stanton St)

- Existing northbound shared lane between Rivington St and Prince St

35 feet wide one-way northbound portion two-way roadway
Proposed Conditions on Bowery (Spring St to Stanton St)

Facing North

Existing

<table>
<thead>
<tr>
<th>West Sidewalk</th>
<th>13’ Parking Lane</th>
<th>11’ Travel Lane</th>
<th>11’ Travel Lane</th>
<th>11’ Travel Lane</th>
<th>11’ Travel Lane</th>
<th>13’ Parking Lane</th>
<th>East Sidewalk</th>
</tr>
</thead>
</table>

Proposed

<table>
<thead>
<tr>
<th>West Sidewalk</th>
<th>13’ Parking Lane</th>
<th>11’ Travel Lane</th>
<th>11’ Travel Lane</th>
<th>11’ Travel Lane</th>
<th>11’ Travel Lane</th>
<th>5’</th>
<th>8’ Parking Lane</th>
<th>East Sidewalk</th>
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</thead>
</table>

Facing North
Existing Conditions on Stanton St (Bowery to Chrystie St)

25 feet wide one-way roadway
Proposed Conditions on Stanton St (Bowery to Chrystie St)
Proposed Pedestrian Safety Enhancements at Spring St/Varick St

Parking regulations:
• Remove “No Standing 4pm-7pm” parking regulation from the east side of Varick St between Spring St and Vandam St
• Extend metered parking hours to 7pm
• Benefits: Discourages speeding and slows turning vehicles

Signal changes:
• Add 7 second leading pedestrian interval (LPI) for eastern crosswalk
• Benefits: more pedestrian crossing time with additional protected crossing time
Proposed Enhancement: Turn Lane Approaching Lafayette St

- Spring St is often congested approaching Lafayette St

- Through traffic gets stuck behind turning vehicles

- FDNY has requested that a turn lane be added on Spring St approaching Lafayette St to help reduce congestion

- Benefit: improved vehicular flow

- Drawback: requires the removal of approx. 6 loading spaces (100 feet)
Summary of Proposal

Spring Street:
- Washington St to Greenwich St: buffered bicycle lane
- Greenwich St to Wooster St: bicycle lane
- Wooster St to Broadway: shared lane
- Broadway to Lafayette St: curbside green bicycle lane
- Lafayette St to Bowery: shared lane
- LPI on eastern crosswalk of Spring St/Varick St
- New turn lane on Spring St approaching Lafayette St

Bowery:
- Spring St to Stanton St: bicycle lane

Stanton St:
- Bowery to Chrystie St: shared lane
Questions?

Thank You