Columbus Avenue
Bicycle Path and Mobility Enhancements
Community Board 7

Commissioner Janette Sadik-Khan, New York City Department of Transportation
December 11, 2012
Background

- 2010: Protected bicycle path installed on Columbus Avenue
  - W 96th St to W 77th St
  - Worked with the Columbus Avenue Working Group

- 2012: Protected bicycle path installed on 9th Avenue
  - W 59th St to W 31st St
- Lack of continuity in the bicycle network
  - Resulting in lower bicycle volumes on existing Columbus Avenue bike path

- Long pedestrian crossings
  - 60 foot wide roadway

- Desire for beautification of commercial corridor
  - Street trees and plantings

- Corridor with variable traffic conditions
  - Motor vehicle congestion approaching Broadway intersection
  - Water main construction near Lincoln Center
Project Proposal

- Extend design on Columbus Avenue
  - W 110 to W 96 Streets
  - W 77 to W 59th Streets

- Provide connections to existing bicycle facilities
  - 106th St
  - 9th Avenue
  - Columbus Avenue

- Tailor design to improve traffic flow in congested areas

- Provide loading zones for businesses with need
Existing Conditions

Columbus Avenue at W 70th St
Existing Conditions

- Wide Roadway, Long Pedestrian Crossing Distances
- Wide Parking Lanes
- 60 Feet
- 3 Travel Lanes + 1 Curbside Rush Hour Travel Lane
- 2 Parking Lanes, No Dedicated Cycling Space
- Rush Hour Travel Lane
Proposal Summary

Bicycle Path

Enhanced Shared Lane

Existing Bicycle Facilities
Design Treatments

Pedestrian Island

- Shortens pedestrian crossings

Mixing Zone

- Safely accommodates vehicle/bike turning conflict

Enhanced Shared Lane

- Additional bike symbols, over head
- No passing sign, solid lane line
Proposal Summary

Bicycle Path

Existing Bicycle Facilities

Construction

Columbus Av
Proposed Roadway Configuration

**Peak Hour Volume Compared to Proposed Number of Travel Lanes**

<table>
<thead>
<tr>
<th>Segment</th>
<th>Planned # of Travel Lanes</th>
<th>Volume**</th>
</tr>
</thead>
<tbody>
<tr>
<td>W. 110th to W. 96th</td>
<td>3+</td>
<td>868</td>
</tr>
</tbody>
</table>

Peak Hour Vehicle Volumes: Average of three consecutive weekdays (Monday-Thursday) taken the week of 10/1/12
Proposed Roadway Configuration

Columbus Avenue, Manhattan
## Parking Impact

<table>
<thead>
<tr>
<th>East Side Repurposed Parking Space (west side not affected by islands &amp; turn lanes)</th>
<th>Parking Space Equivalents (Approx.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turn Lanes/ Mixing Zones</td>
<td>110&lt;sup&gt;th&lt;/sup&gt; to 96&lt;sup&gt;th&lt;/sup&gt;</td>
</tr>
<tr>
<td></td>
<td>23</td>
</tr>
<tr>
<td>Pedestrian Islands</td>
<td>9</td>
</tr>
<tr>
<td><strong>Total Spaces Repurposed</strong></td>
<td>32</td>
</tr>
<tr>
<td><strong>Total Existing Parking Spaces</strong></td>
<td>149</td>
</tr>
<tr>
<td><strong>Percent of Spaces Repurposed</strong></td>
<td>21%</td>
</tr>
</tbody>
</table>

Note: Upper Section, 17 islands, 4 mixing zones, 1 turn lane; Lower 12 islands, 3 mixing zone, 1 turn lane
Existing Conditions: Lincoln Center

Columbus Avenue at Broadway
Existing Conditions: Lincoln Center

- Complex Intersection,
- Wide Roadway,
- Long Pedestrian Crossing Distances

- 3 Travel Lanes
- 1 Turn Lane
- 1 Bus Stop Lane

- Short Curbside Turn Lane

- 60 Feet

- Existing Conditions: Lincoln Center
Existing Conditions: Columbus Ave

Columbus Avenue at W 68th St Facing South
Proposal Summary

Shared Lane

Existing Bicycle Facilities

Columbus Av
Proposed Roadway Configuration

**Peak Hour Volume Compared to Proposed Number of Travel Lanes**

<table>
<thead>
<tr>
<th>Segment</th>
<th>Planned # of Travel Lanes</th>
<th>Volume**</th>
</tr>
</thead>
<tbody>
<tr>
<td>W. 66th to W. 65th</td>
<td>4</td>
<td>1,255 (8:00p – 9:00p)</td>
</tr>
</tbody>
</table>

Peak Hour Vehicle Volumes: Average of three consecutive weekdays (Monday-Thursday) taken the week of 10/1/12

- Add 1 travel lane
Proposed Roadway Configuration

Second Avenue, Manhattan
• Transition from bicycle path to shared lane through intersection
Proposal Summary

Bicycle Path

Shared Lane

Existing Bicycle Facilities

Columbus Av
Turn Treatments

- Location of Split Phase
- Location of Mixing Zone

Potential Bike Path
Potential Shared Lane
Existing Bicycle Facilities
Potential Bike Path
• DEP water main project: Late 2013 Completion
  • Columbus Ave: Broadway to W 60th St
  • W 60th St: West End Ave to Columbus Ave
  • W 63rd St: Broadway to Columbus
  • W 62nd St: Amsterdam and Columbus

• Fordham University Construction
  • Columbus Ave: W 62nd to W 60th Streets

• Install bicycle path upon completion of construction on Columbus Ave
  • Columbus Ave: W 63rd to W 59th St
Bike Path Construction Detour

- Install temporary path through work zone
Business Outreach

- Working with businesses to review their needs for potential loading regulations
  - 107-108: WS Movers
  - 106-105: NY Plumbing Supply
  - 105-104: Klausner Plumbing
  - 100-99: PETCO, Home Goods
  - 99-98: Modell’s
  - 98-97: Duane Reade
  - 97-96: Rite Aid, Sleepy’s
  - 76-75: Duane Reade
  - 74-73: Pioneer Supermarket
  - 67-68: 67th St Wine and Spirit
  - 67-68: Reebok Sports Club
  - 67-66: ABC Studio

- Business outreach completed between W 110 St and W 96 St
Proposal Benefits

- Increased safety for all roadway users
- Better continuity of the Bicycle Network, promotes healthy activity
- Reduces traffic congestion approaching Broadway by adding a travel lane
- Shorter Pedestrian Crossings – Helps seniors and children
- Greener Streets – Planting beds on pedestrian islands provide more green space
- Convenient delivery zones for businesses
Thank You

nyc.gov/dot