Columbus Avenue Parking-Protected Bicycle Path
Preliminary Assessment

Commissioner Janette Sadik-Khan  New York City Department of Transportation
Presentation to Community Board 7  October 11, 2011
Project Background

October 2009: CB 7 requests DOT proposal for protected bicycle paths on Columbus and Amsterdam Aves

May 2010: DOT presents proposed design on Columbus Avenue between West 96th – West 77th Streets to CB 7 Transportation Committee

Spring 2010: DOT collects fresh “before” data for proposed corridor

June 2010: CB 7 Full Board approves proposed design on Columbus Ave

August 2010: Implementation begins

March 2011: Split-phase signals at two-way crosstown streets completed

Spring/summer 2011: DOT collects ongoing “after” data for project corridor

October 2011: DOT reports 6-month preliminary assessment to CB 7
Roadway Design – Before & After

2010

2011

Columbus Ave @ West 79th St
Improvements to Columbus Avenue:

- Protected Bike Path
- Pedestrian Safety Islands
- Shorter Crossing Distance
- Mixing Zones
- Left-turn Lanes
- Freight Loading & Unloading Zones
Ongoing Design Updates

- Parking/loading space added between W. 82 – W. 81 Sts
- Eight commercial loading zones added/expanded
- Improved markings on West 81 St
- Split-phase signal installation
Columbus Avenue – Before/After Preliminary Crash Analysis
from W. 96th Street to W. 77th Street

<table>
<thead>
<tr>
<th></th>
<th>Before Period</th>
<th>After: 6-month Average</th>
<th>Percent Change</th>
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<tbody>
<tr>
<td></td>
<td>Total Before</td>
<td>Average of Before Period</td>
<td></td>
</tr>
<tr>
<td>Crashes</td>
<td>357</td>
<td>119.0</td>
<td>-33.6%</td>
</tr>
<tr>
<td>Crashes w/ Injury</td>
<td>50</td>
<td>16.7</td>
<td>-28.0%</td>
</tr>
<tr>
<td>Total Injuries</td>
<td>53</td>
<td>17.7</td>
<td>-26.4%</td>
</tr>
</tbody>
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- Crashes are down 34%
- Preliminary data shows safety improvements
- DOT will continue to monitor corridor crashes
Safety Data – Vehicle Speeds

Columbus Avenue Average Vehicle Speeds
May 5, 2011

29% Over 30mph Speed Limit

17% Over 30mph Speed Limit

8% Over 30mph Speed Limit

29% Over 30mph Speed Limit

Higher rates of speeding in segments without re-design

Note: Radar speed study taken May 5, 2011
Decreased rates of sidewalk ridership at all monitored locations
Vehicle traffic volumes processed along avenue remain similar

Traffic Data – Bicycle Counts

Columbus Avenue Bicycle Volumes (7a-7p) Before and After

56% increase in weekday volumes

Bicycle counts conducted: 5/25/2010; April – September 2011 average. Location: Bet. West 91st and West 90th Streets
Traffic Data – Commercial Loading

Columbus Ave btw West 94th and West 93rd Sts

Commercial Loading Zones

Before Project: 1
After Project: 8

Space Hours/Week Before Project: 233
Space Hours/Week After Project: 1,343
Space Hours/Week Increased: 475%
Double Parking – Before and After

Lower total number of commercial vehicles parked in travel lanes
Lower proportion of commercial vehicles parked in travel lanes

Questions?

Thank You