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

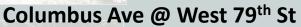
March 2011: Split-phase signals at two-way crosstown streets completed

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







Project Summary



Project Summary

Improvements to Columbus Avenue:

Columbus Ave @ West 89th St

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

Project Summary







Columbus Ave @ West 90th St



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 Ave @ West 81st St



Columbus Ave @ West 82nd St

Safety Data – Preliminary Crash Analysis

Columbus Avenue – Before/After Preliminary Crash Analysis

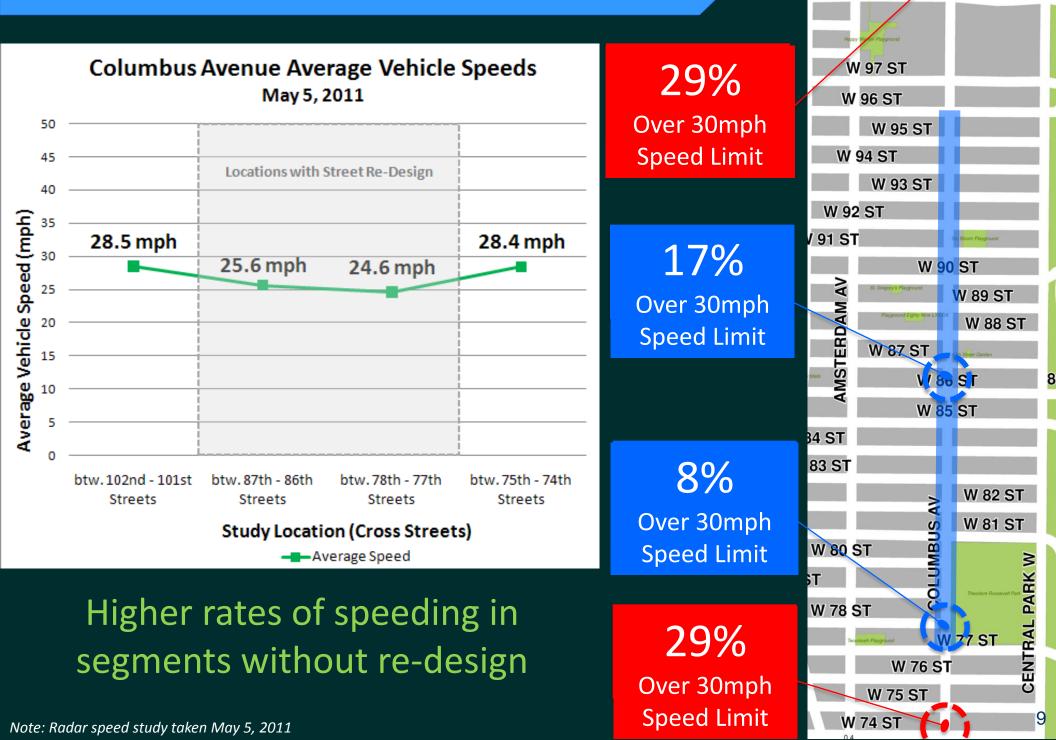
from W. 96th Street to W. 77th Street

	Before Period		After:	Percent
	Total Before	Average of Before Period	6-month Average	Change
Crashes	357	119.0	79.0	-33.6%
Crashes w/ Injury	50	16.7	12.0	-28.0%
Total Injuries	53	17.7	13.0	-26.4%

- Crashes are down 34 %
- Preliminary data shows safety improvements
- DOT will continue to monitor corridor crashes

Before period: August - September 2007, April - September 2008, April - September 2009, April - July 2010; (Average of three 6-month periods); After period: 04/01/11 - 09/30/11 (6 months) Signals installed on West 86th, West 81st and West 77th Streets Feb-March 2011; project considered complete: 03/31/11 Crash Data from NYPD Accident Database (TAMS data)

Safety Data – Vehicle Speeds

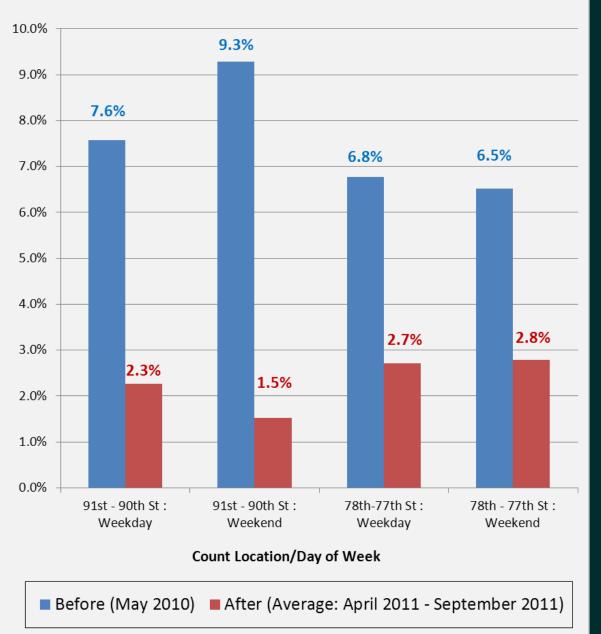


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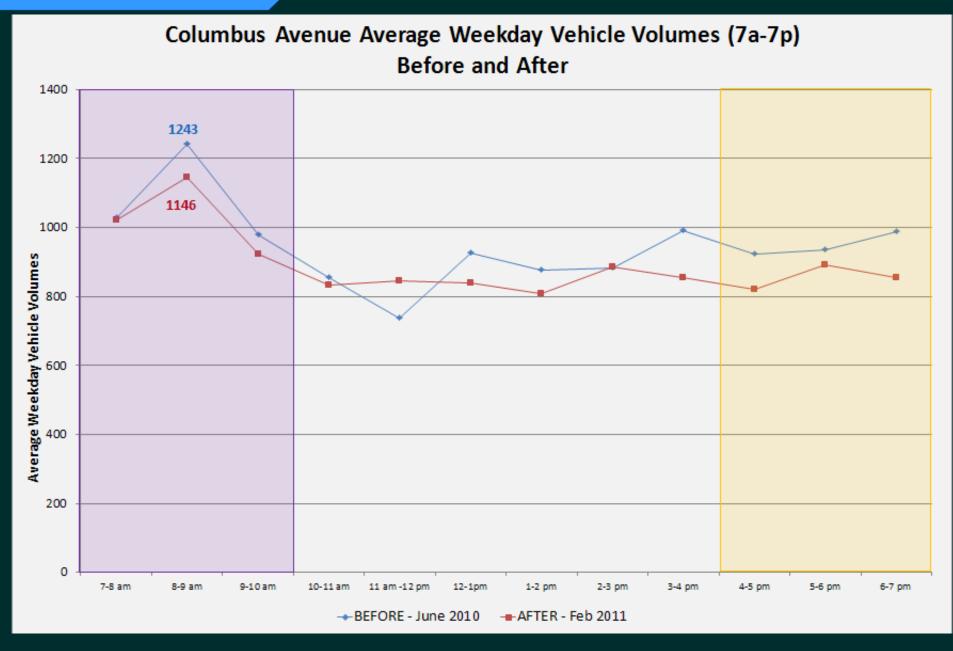
Safety Data – Sidewalk Ridership

Columbus Avenue Before/After Sidewalk Ridership Rates



Decreased rates of sidewalk ridership at all monitored locations

Traffic Data

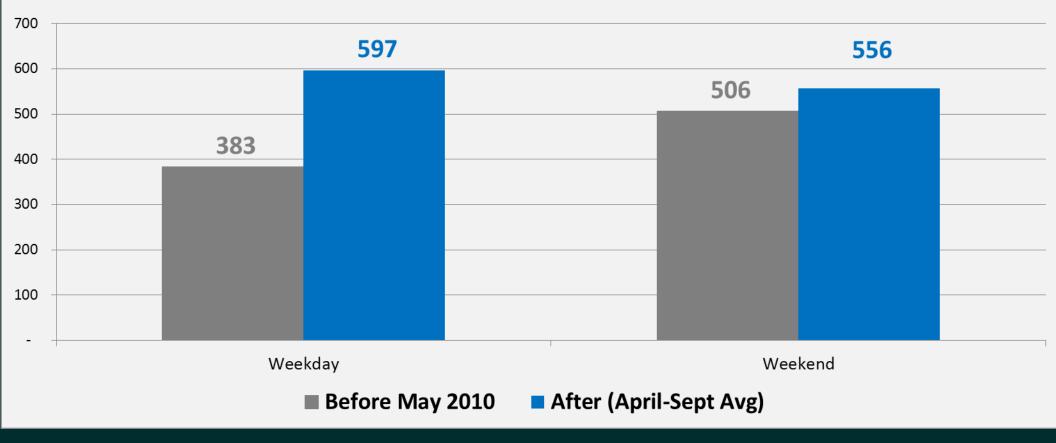


Vehicle traffic volumes processed along avenue remain similar

Note: Traffic counts conducted 6/4/2010 – 6/10/2010; 2/23/2011 – 3/1/2011. Location: Between W. 96th and W. 95th Streets

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

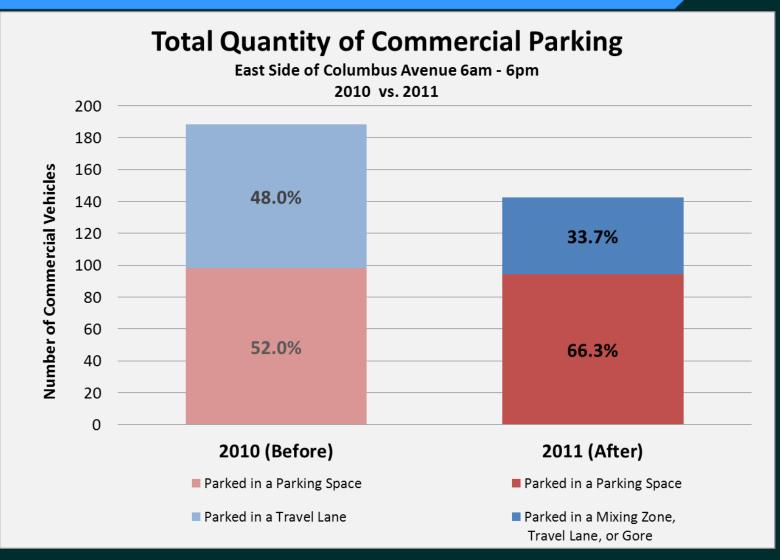
Columbus Ave btw West 94th and West 93rd Sts

Commercial Loading Zones Before Project: 1 Commercial Loading Zones After Project: 8

Pay at

Space Hours/Week Before Project:233Space Hours/Week After Project:1,343Space 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

Commercial loading survey (6a-6p) average of two observation days 7/27/2010 & 7/30/2010 (before) and average of two observation days 7/19/2011 & 7/29/2011; Locations: Btw. W. 95th and W. 94th Sts, btw. W. 94th and W. 93rd Sts, btw. W. 91st and W. 90th Sts, btw. W. 90th and W. 89th Sts, btw. W. 83rd and W. 82nd Sts, btw. W. 82nd and W. 81st Sts.

Questions?

Thank You