Columbus Avenue Bicycle Path 1-Year Post-Implementation Report





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 supports proposed design on Columbus Ave

August 2010: Implementation begins

March 2011: Split-phase signals at two-way crosstown streets installed, project is completed

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

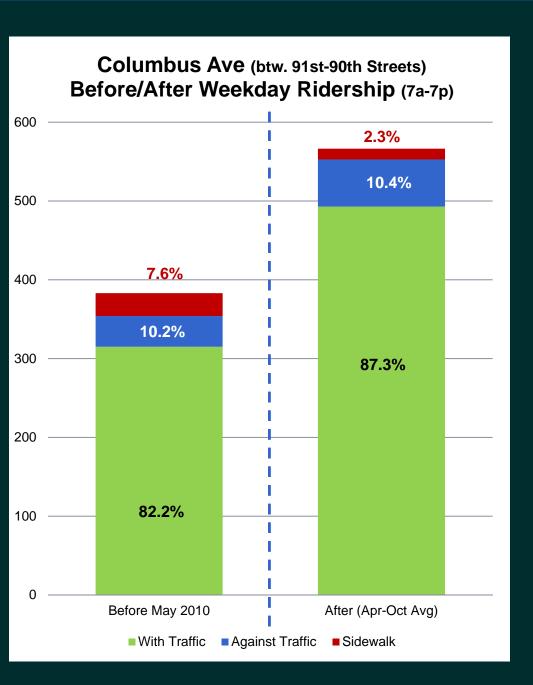
October 2011: DOT reports 6-month preliminary assessment to CB 7

December 2012: DOT reports 1-year assessment to CB 7

Project Summary



Traffic Data - Cycling Volume & Characteristics



48% increase in weekday volumes

Illegal sidewalk cycling decreased at all monitored locations

Wrong way cycling volume remained constant

Traffic Data - Bicycle Facility Usage

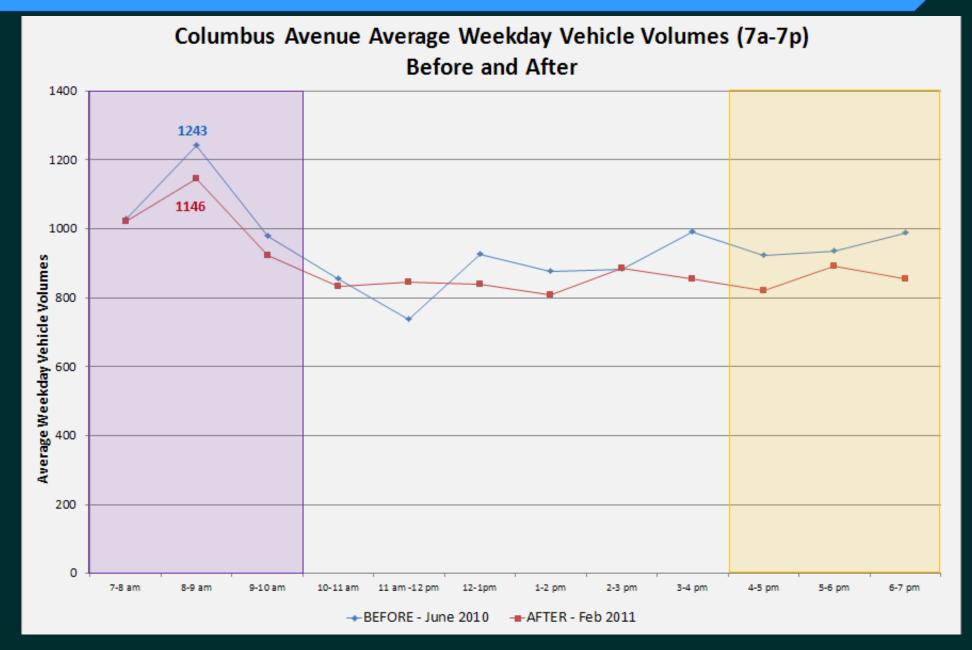


Bike Path usage over 65%

Cyclists use of street varies by location

Sidewalk riding remains constant by location

Traffic Data – Vehicle Volumes

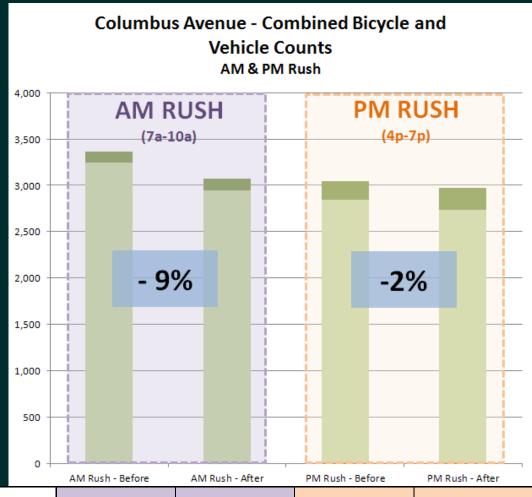


Vehicle traffic volumes processed along avenue remain similar

Traffic Data – Roadway Mobility

 14% and 18% increase in AM and PM weekday cycling volumes

 9% and 2% decrease in overall traffic on corridor



	Before	After	Before	After
Bicycle Counts	111	127	200	236
Motor Vehicle Counts	3,250	2,948	2,847	2,739
Total	3,361	3,075	3,047	2,975

Safety Data – Vehicle Speeds

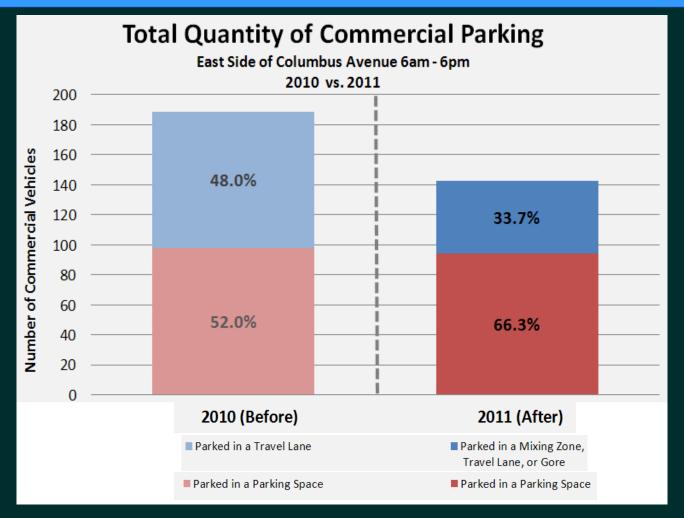
Columbus Avenue – Before/After Radar Speed Studies

Between W. 87th and W. 86th Streets

	BEFORE	AFTER		
	May 2010	March 2012		
	87th - 86th Sts	87th - 86th Sts		
Average Speed (mph)	26.8	22.3		
Percent of Vehicles Over 30 mph Speed Limit	14%	6%		

Percentage of vehicles exceeding the speed limit decreased to 6% from 14%

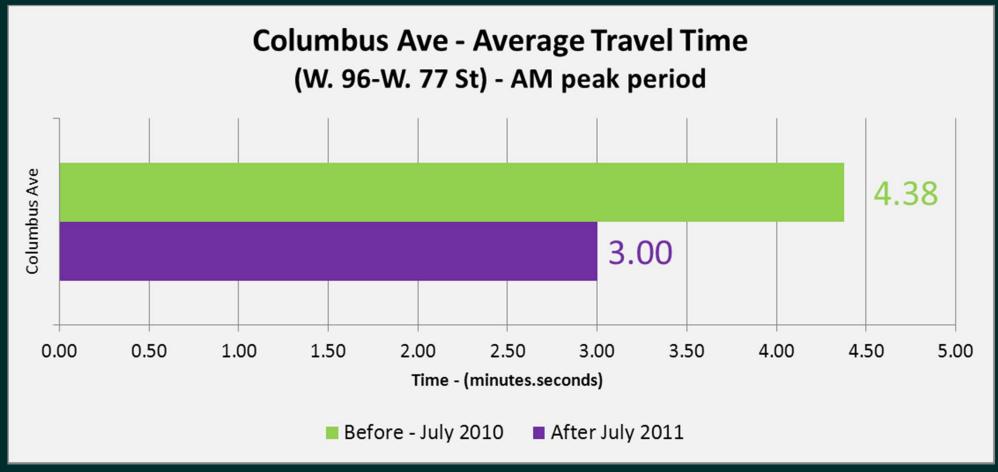
Double Parking – Before and After



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.

Travel Times – Before and After



Weekday travel times are derived from average of runs conducted once every 30 minutes along the corridor

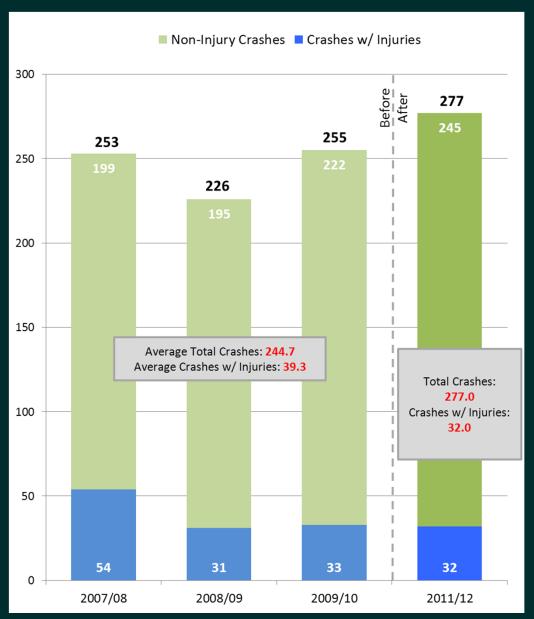
Increased roadway capacity contributes to shorter travel times

Safety Data – Crash Analysis

Columbus Avenue – Before/After Preliminary Crash Analysis

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

Crashes w/injuriesdecreased 19 %



Each before year period is the 12-month period beginning August 1 and ending July 31. The 1-yr after period is April 1, 2011 to March 31, 2012. The implementation period of August 1, 2010 to March 31, 2011 is excluded. Source: NYPD AIS/TAMS Crash Database

Safety Data – Crash Analysis

Columbus Avenue – Before/After Preliminary Crash Analysis

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

		Before		After		Change			
	'07/ '08	'08/ '09	'09/ '10	Average		'11/ '12	Average	Actual	Percent
Total Crashes	253	226	255	244.7		277	277.0	32.3	13%
Crashes w/ Injuries	54	31	33	39.3		32	32.0	-7.3	-19%
Motor Vehicle Occupant	28	10	12	16.7		16	16.0	-0.7	-4%
Pedestrian	27	20	19	22.0		13	13.0	-9.0	-41%
Cyclist	8	2	5	5.0		7	7.0	2.0	40%
Total Injuries	63	32	36	43.7		36	36.0	-7.7	-18%

Each before year period is the 12-month period beginning August 1 and ending July 31. The 1-yr after period is April 1, 2011 to March 31, 2012. The implementation period of August 1, 2010 to March 31, 2011 is excluded.

Source: NYPD AIS/TAMS Crash Database

Total crashes w/ injuries are down 19%

Economic Vitality

Columbus Avenue BID at 100% Occupancy

(March 2012)





Economic Vitality

Trees planted in all applicable concrete pedestrian island locations

Local groups have adopted each pit adding additional greenery





Community Response to Design

Councilmember Brewer Community Survey
73% respondents support current bike path design
(October 2011)

