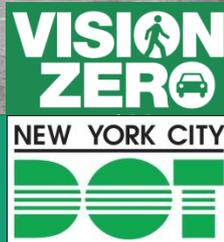


4th Avenue, Sunset Park

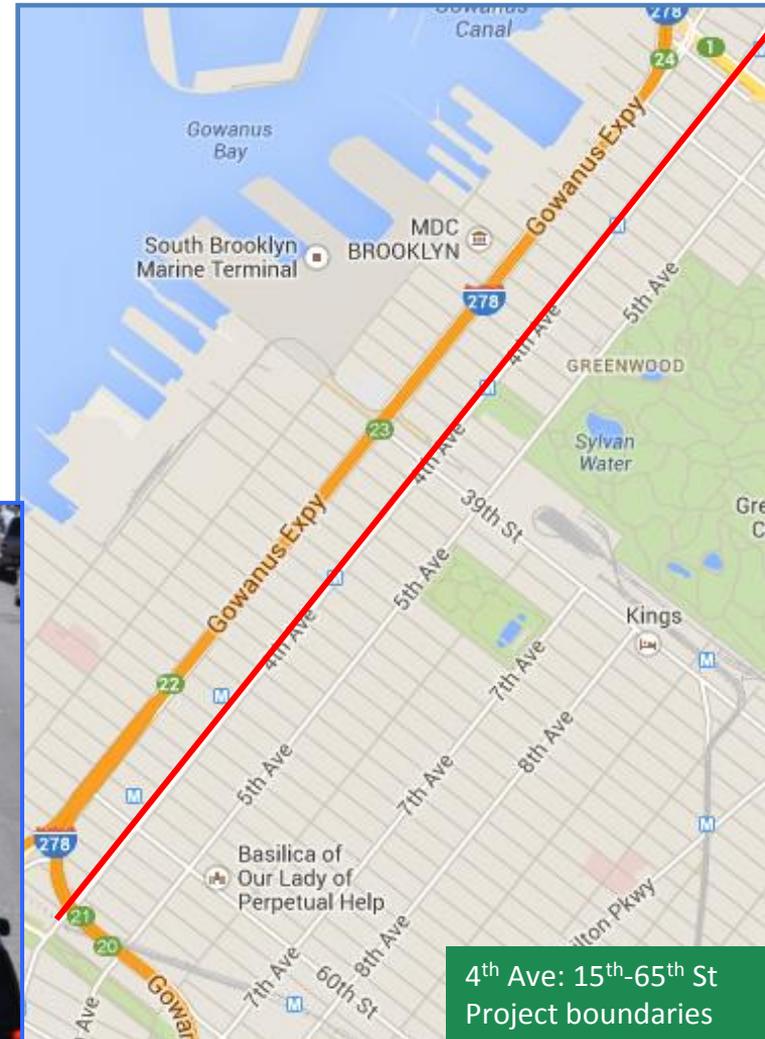


New York City Department of Transportation—Polly Trottenberg Commissioner
Presented to Brooklyn Community Board 7 on May 20, 2014

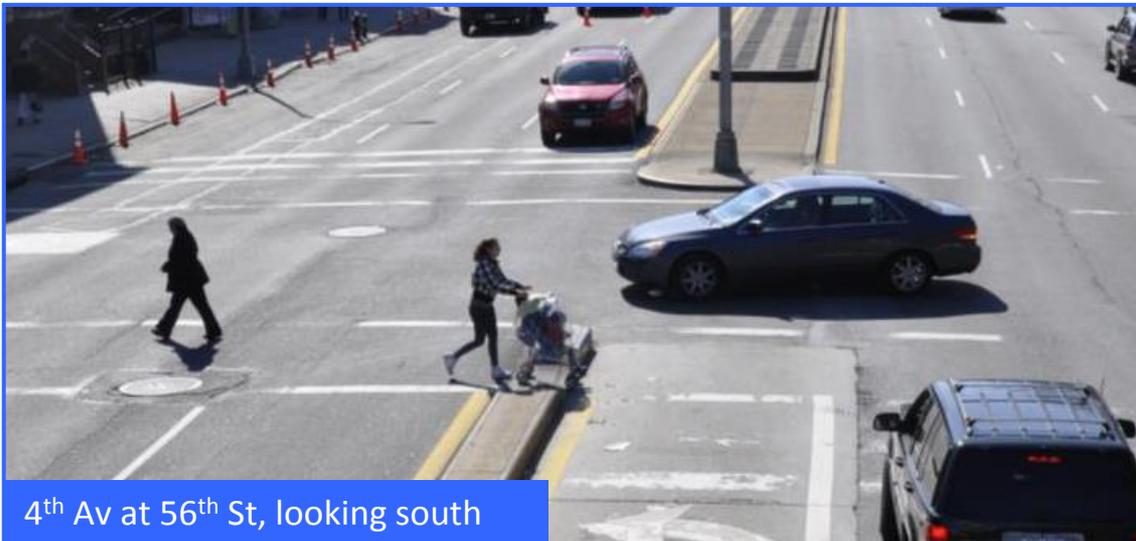


Context: 4th Ave: 15th-65th Sts

- High traffic volume
 - Parallel to Gowanus Expressway
- High pedestrian volume
 - Retail, Subways, Schools
- Very wide street (88' wide, with median)
- Very narrow medians and left turn bays
- Community request to improve safety



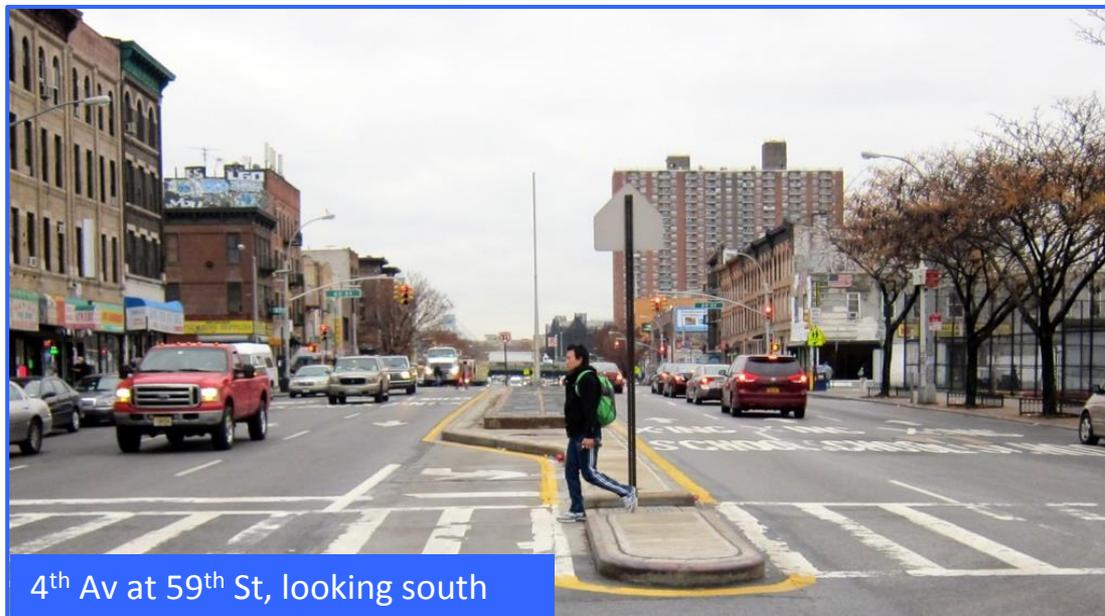
4th Ave: 15th-65th St
Project boundaries



4th Av at 56th St, looking south

Before: Why 4th Avenue?

- 7 pedestrian fatalities, 1 motor-vehicle fatality: 2006-2011
- High-crash corridor
 - Ranks in top 10% of corridors in Brooklyn
- High incidence of speeding
 - Up to 80% of vehicles speeding on 4th Avenue



Before: Why 4th Avenue?

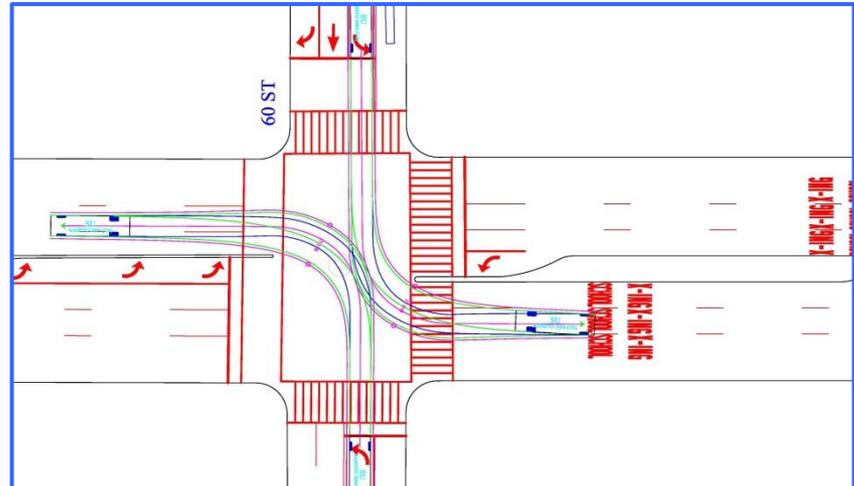
2' wide pedestrian refuges



Separated uptown/downtown subway platforms



Double parking blocked right lane, causing swerving



Opposing left in narrow intersections

Community Engagement

2009

- NYPD and CB7 safety requests to DOT

2010

- BP's *Vision Plan for the Fourth Avenue Corridor*
- DOT attends CB7 and PSCC walk-throughs

2011

- 4th Avenue Task Force created
- DOT begins 4th Ave safety project

2012

- Public workshop, open house, CB7 Outreach
- 15th-65th Sts built in temporary materials

2013

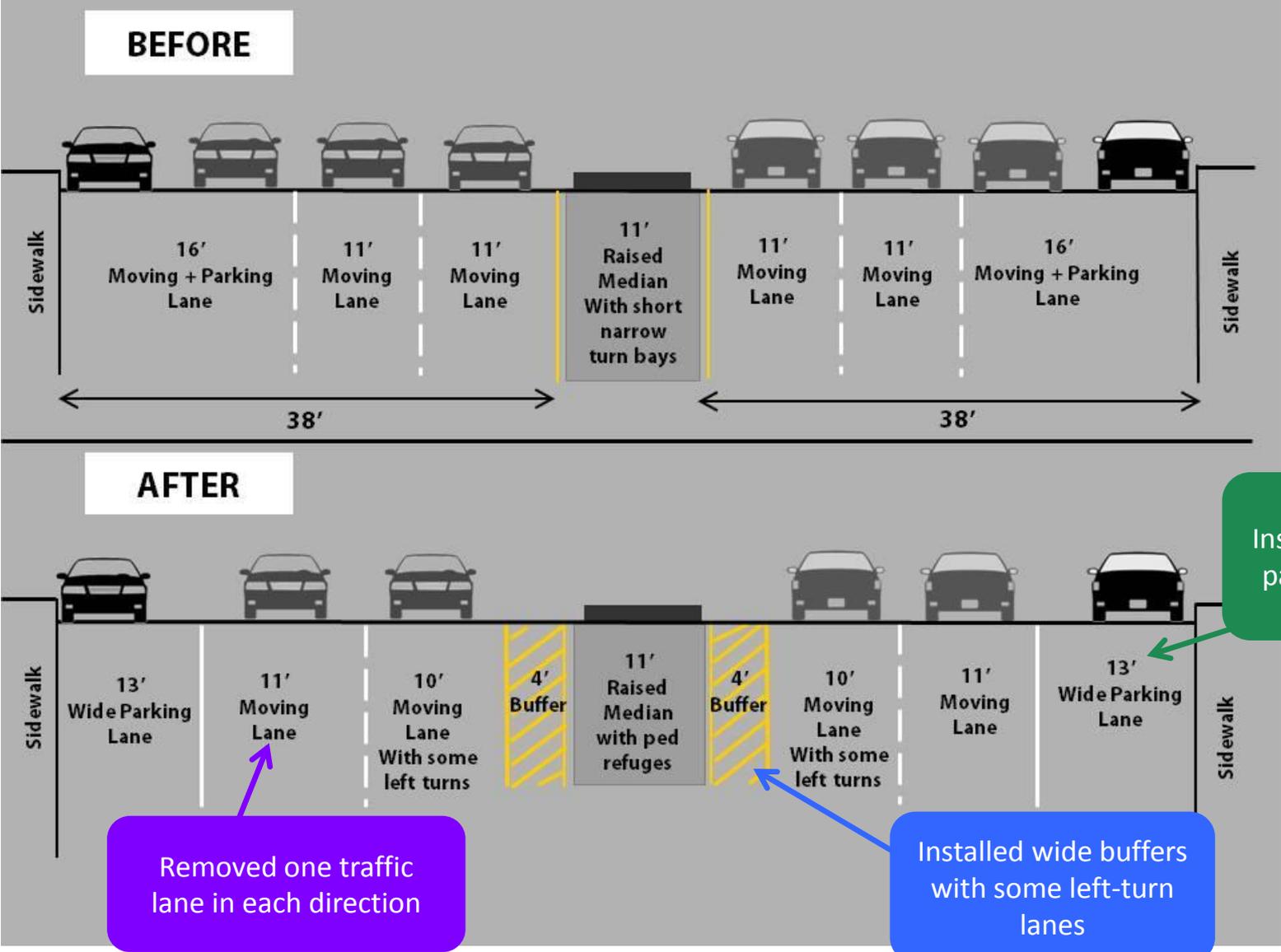
- Atlantic Ave-15th St: Outreach and build
- 15th-65th Sts: Collected after data

2014

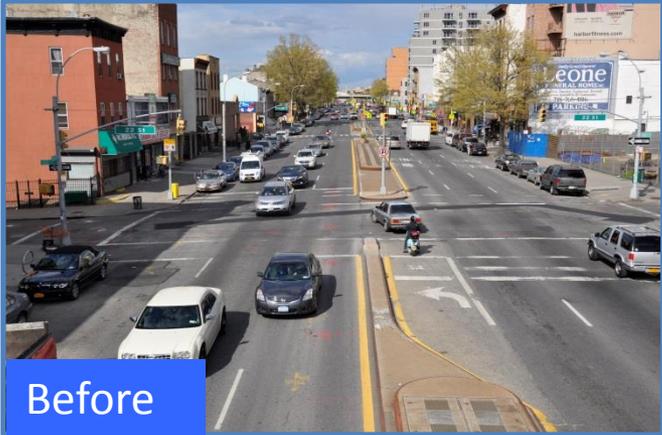
- Sunset Park: 1 Year After data presentation
- Plan for multiphase capital build out



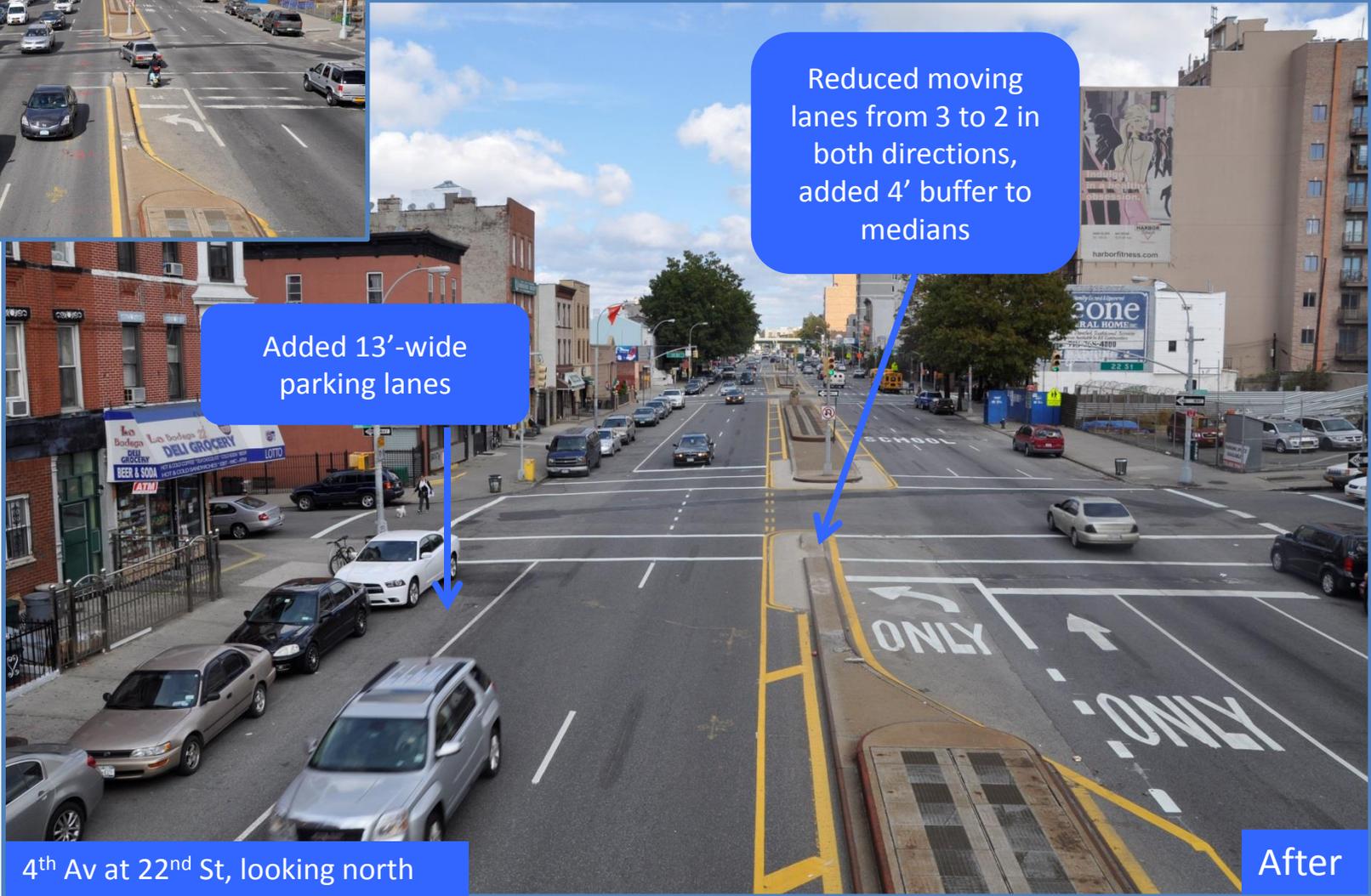
Project Summary



Before/After



Before



4th Av at 22nd St, looking north

Reduced moving lanes from 3 to 2 in both directions, added 4' buffer to medians

Added 13'-wide parking lanes

After

Before/After



Before



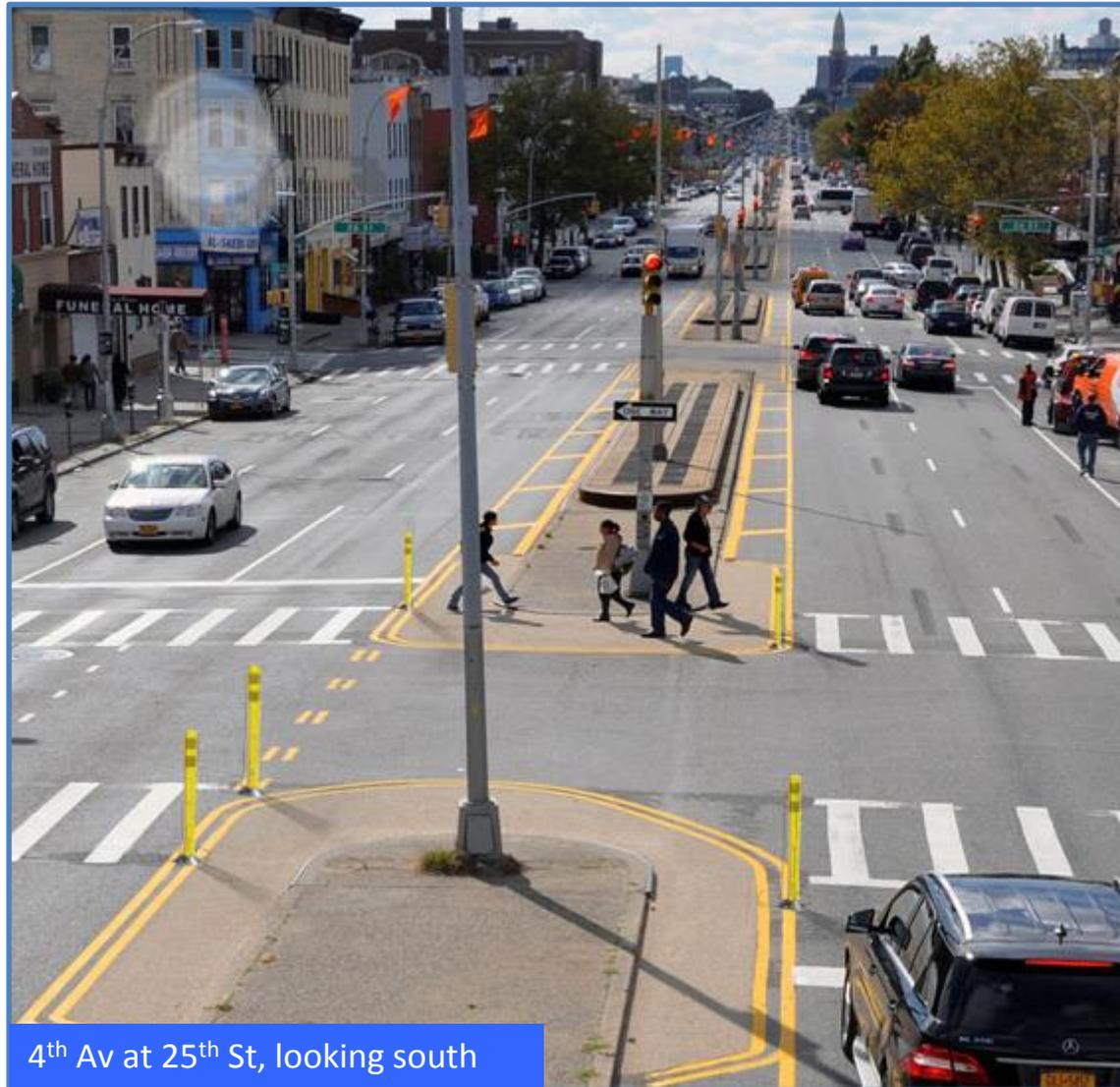
Added 4' buffer next to center medians

Banned left turns at select low-volume locations and widened pedestrian refuge

4th Av at 20th St, looking north, in front of the Al-Noor School

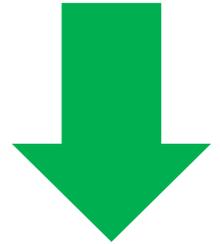
After

Safety – Results

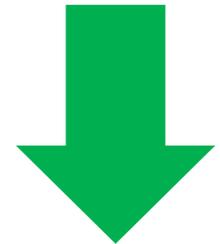


4th Av at 25th St, looking south

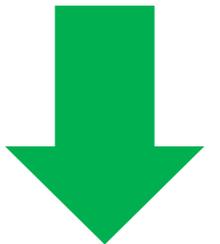
Pedestrian
injuries
decreased
29%



Total
crashes
decreased
13%



Crashes
w/injuries
decreased
8%

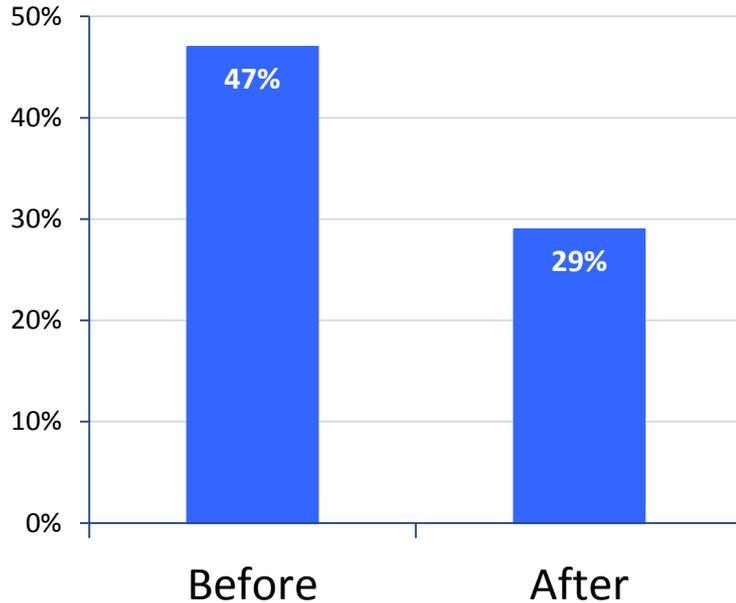


Safety – Results

- Percentage of drivers speeding reduced by 38%

**Percentage of Drivers
Traveling above Speed Limit**

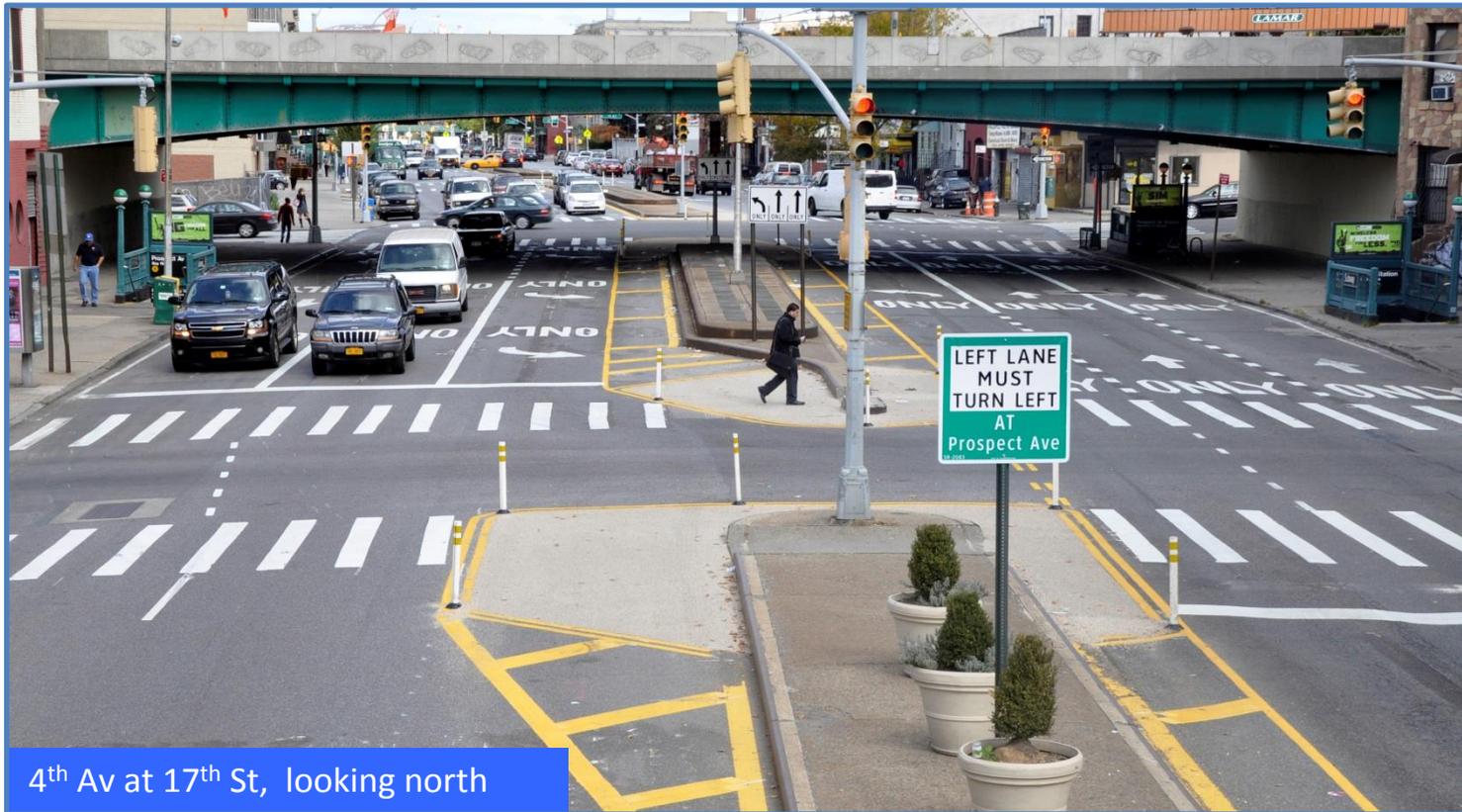
4th Avenue, 15 St to 65 St



Radars speeds taken on 4th Avenue in both directions between 22 St and 23 St, 40 St and 41 St, 61 St and 62 St.
Before: 11am-1pm January 19, 2011, After: 11am-1pm January 15, 2014

Safety – Results

- Zero fatalities in the project area since completion



2006-11: 7 fatalities occurred in the project area. One fatality occurred during the project implementation period of August 1 to November 30, 2012. Fatality data as of May 1, 2014

Mobility – Traffic Volumes

- Northbound (AM) and southbound (PM) traffic volumes increased slightly at most locations
- Pedestrian volumes generally increased at intersections throughout the corridor

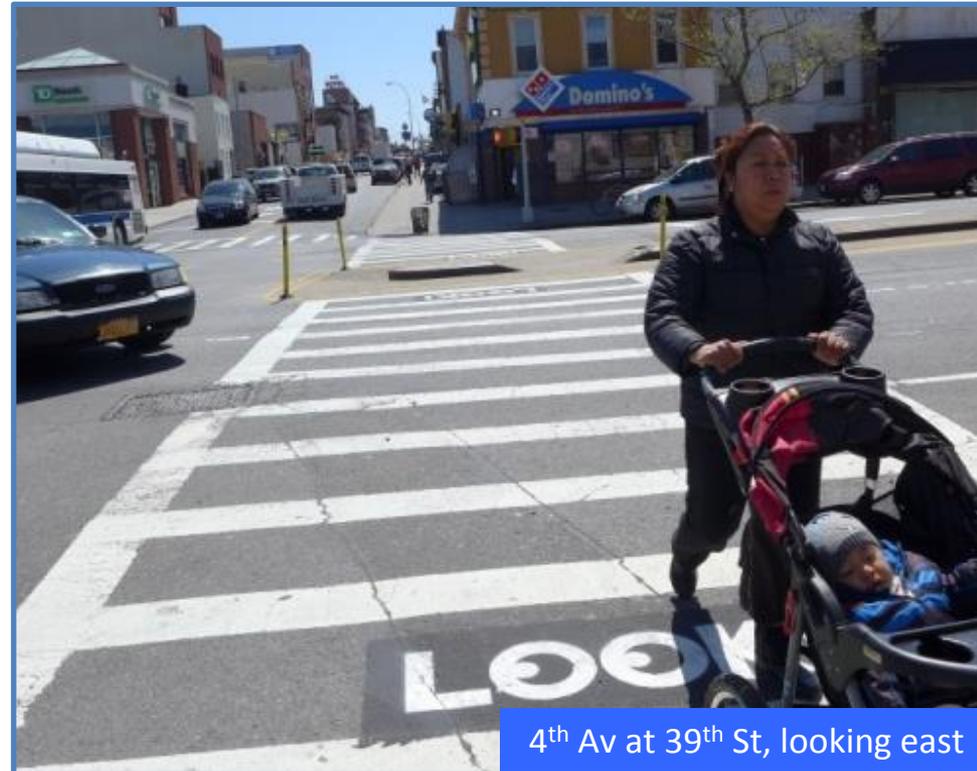
Traffic volumes:

Before: Average midweek peak hour volume week of June 14 and June 21, 2010;
After: Average midweek peak hour volume week of October 21, 2013

Pedestrian volumes:

Before: 8-9 am and 5-6pm, September 20, 2010
After: 8-9 am and 5-6pm, October 24, 2013

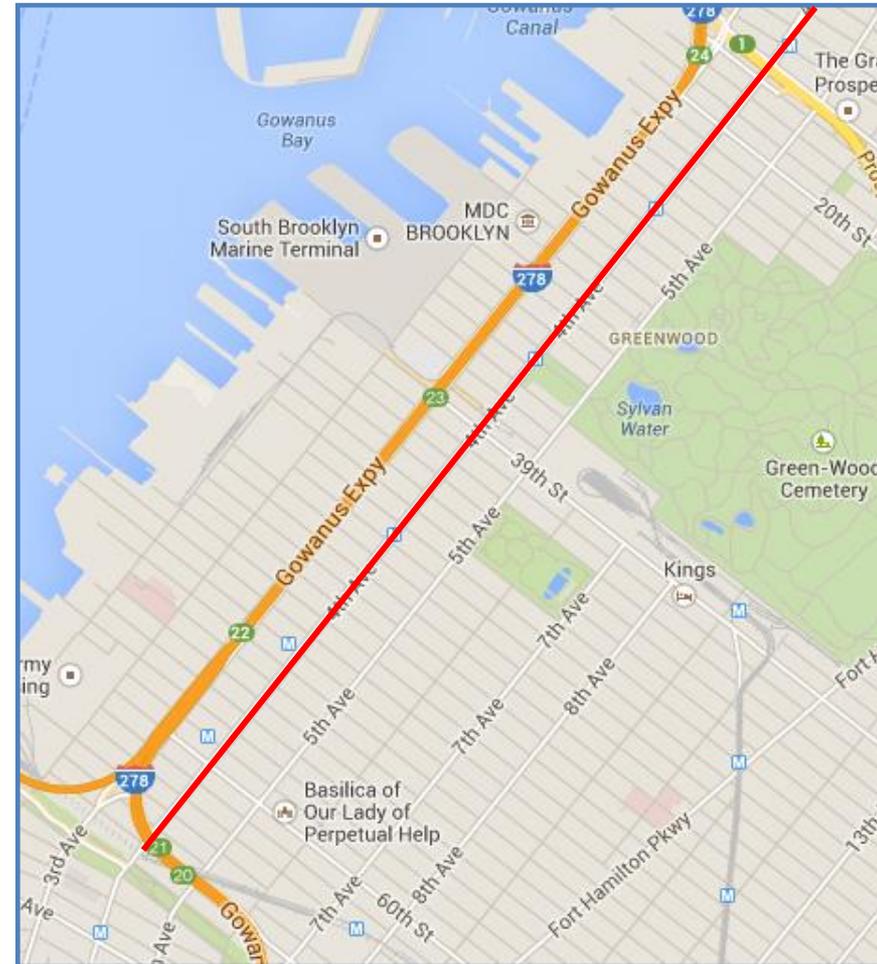
4th Av at 38th St, looking south



4th Av at 39th St, looking east

Mobility – Travel Times

Travel times were maintained in the northbound direction and increased by less than 90 seconds in the southbound direction (approx. 2.5 miles)



Before travel time runs done 11/15/2011 from 8-9 am and 5-6pm. At least 4 runs were completed for each route.

After travel time runs done 2/6/2014 and 11/09/13. At least 18 runs were completed for each route.

ROUTE	BEFORE	AFTER	+/-
	Minutes : Seconds		
NB 4 th AV (AM)	10:57	10:42	-0:15
SB 4 th AV (PM)	7:43	9:11	+1:28

Future: 4th Ave Capital Project

- New: Planned 4th Ave capital median project
- Phase 1: 33rd-47th Sts
 - Partially funded
 - Funding applications in progress
- Future Phases: all blocks from Atlantic Avenue to 65th Street



Rendering shown is schematic. Final design, including plantings, not yet determined.



nyc.gov/4thave

Thank
You

Contact: Brooklyn Borough Commissioner's Office – (718) 222-7259