

Broadway: W 135th St to W 153rd St

Corridor Safety Conditions

2015



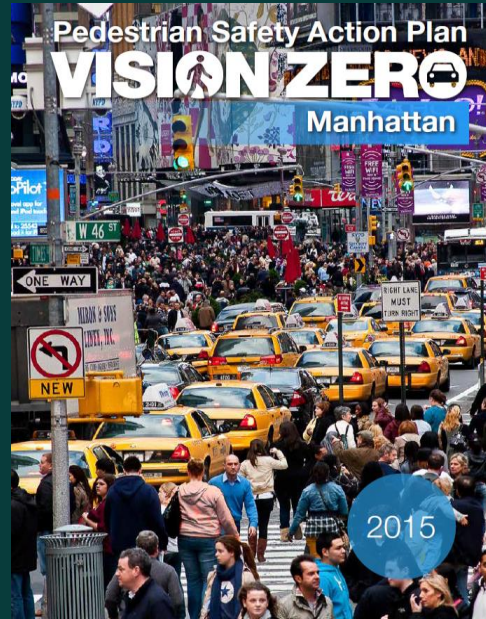
New York City Department of Transportation

Presented by Research, Implementation, and Safety on May 7, 2015 to Manhattan Community Board 9

Why Broadway? Vision Zero Priority Corridor

Vision Zero

- Multi-agency effort to reduce traffic fatalities in NYC
- Borough Action Plans released in 2015
- Priority Intersections, Corridors, and Areas identified for each borough
 - Broadway identified as a Priority Corridor for Manhattan
 - Broadway and W 135th St identified as a Priority Intersection

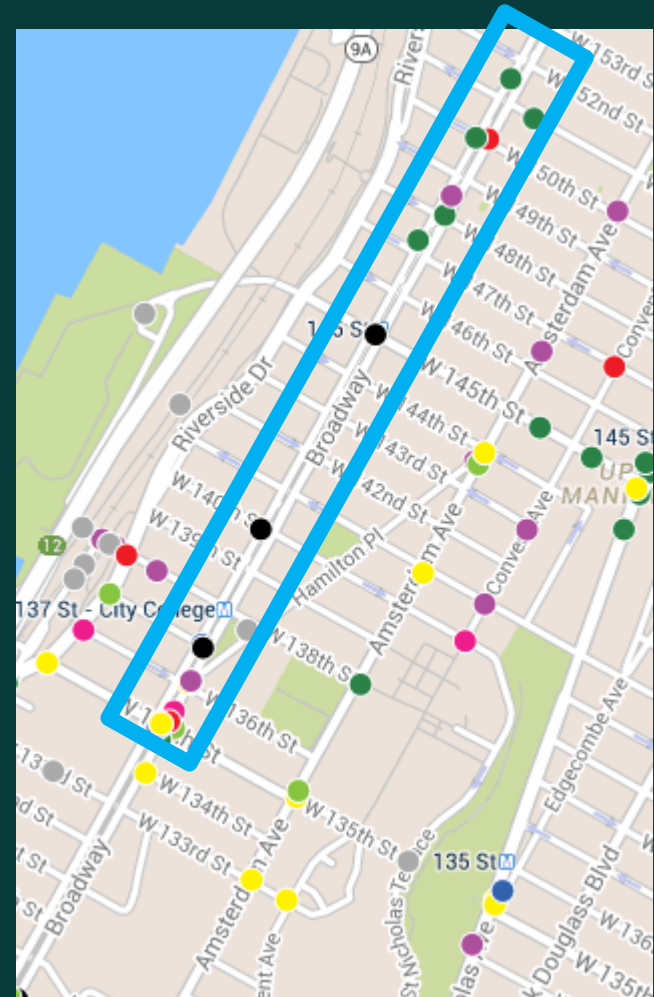


Manhattan Priority Map



Project Background

- Vision Zero Priority Corridor
- Vision Zero Priority Intersection at W 135th St
- 6 fatalities in study area since 2007
 - 5 pedestrians, 1 passenger
- High rate of left-turn and right angle crashes (41% vs 30% MN avg)
- 30% of vehicles traveling over speed limit
- Comments about Broadway via Vision Zero public feedback:
 - Double Parking
 - Speeding
 - Failure to Yield to pedestrians



2015 Vision Zero Public Feedback

<http://www.nyc.gov/visionzeromap>

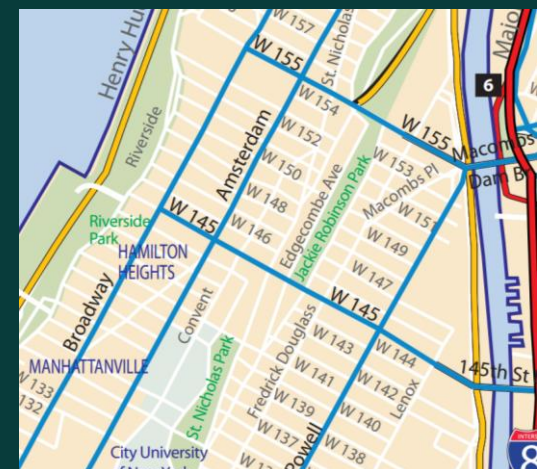
Project Limits: W 135th St to W 153rd St

Existing Conditions

- 3 lanes in each direction
- Planted medians (Broadway Malls)
- Residential and retail land uses
- 1-train subway, M4/M5 (Broadway), M11 (W 135th St); Bx19 (W 145th St) buses
- Broadway is a Local Truck Route



Bus Routes



Truck Routes

Issues on Broadway 135th-153rd

Long crossing distances



30% of vehicles traveling over speed limit



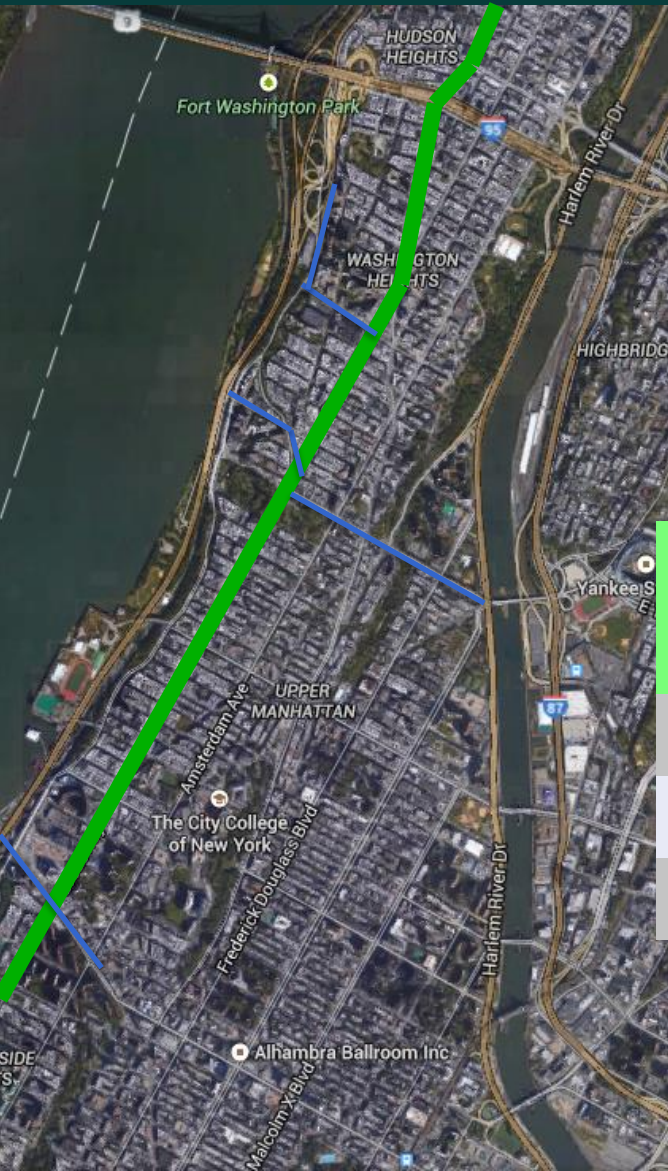
Truck loading Activity



Main Street, Parallel to Highway



Existing: Traffic Volumes



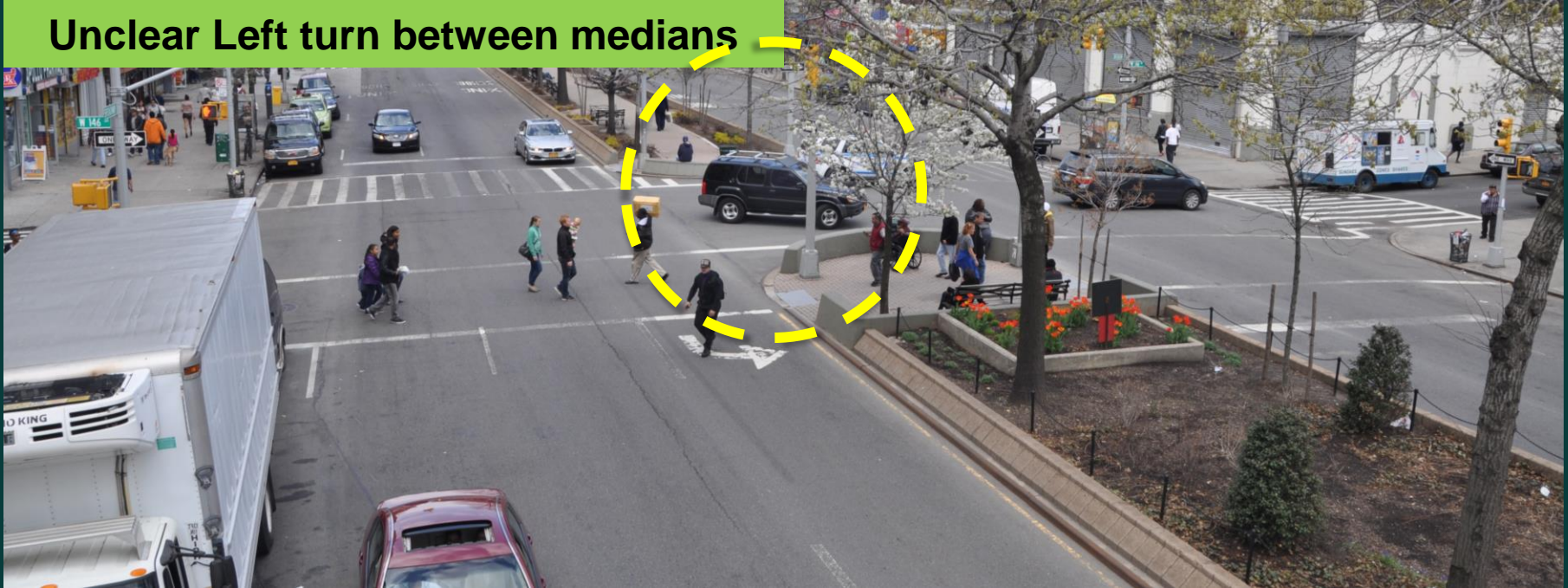
- Broadway is a parallel alternate route to the Henry Hudson Pkwy (9A), toward the GWB
- Friday PM northbound is up to 15-36% higher than other days of the week
- Summer August volumes are about 25% lower than June, when school is in session

Northbound Broadway PM	June 2012			August 2014		
	Midweek	Fri	Fri % higher	Midweek	Fri	Fri % higher
W 135th St	722	1073	33%	650	763	15%
W 145th St	949	1474	36%	783	1093	29%
W 155th St	985	1334	26%	762	1,100	31%

- Broadway traffic volumes are below capacity for 3 lanes

Why Broadway?

Unclear Left turn between medians



- Do you have to wait in the intersection?
 - DOT observes 70% of left turners wait for the green light on the side street to finish their turn
- High percentages of crashes involve turn or right angle crashes

Why Broadway?

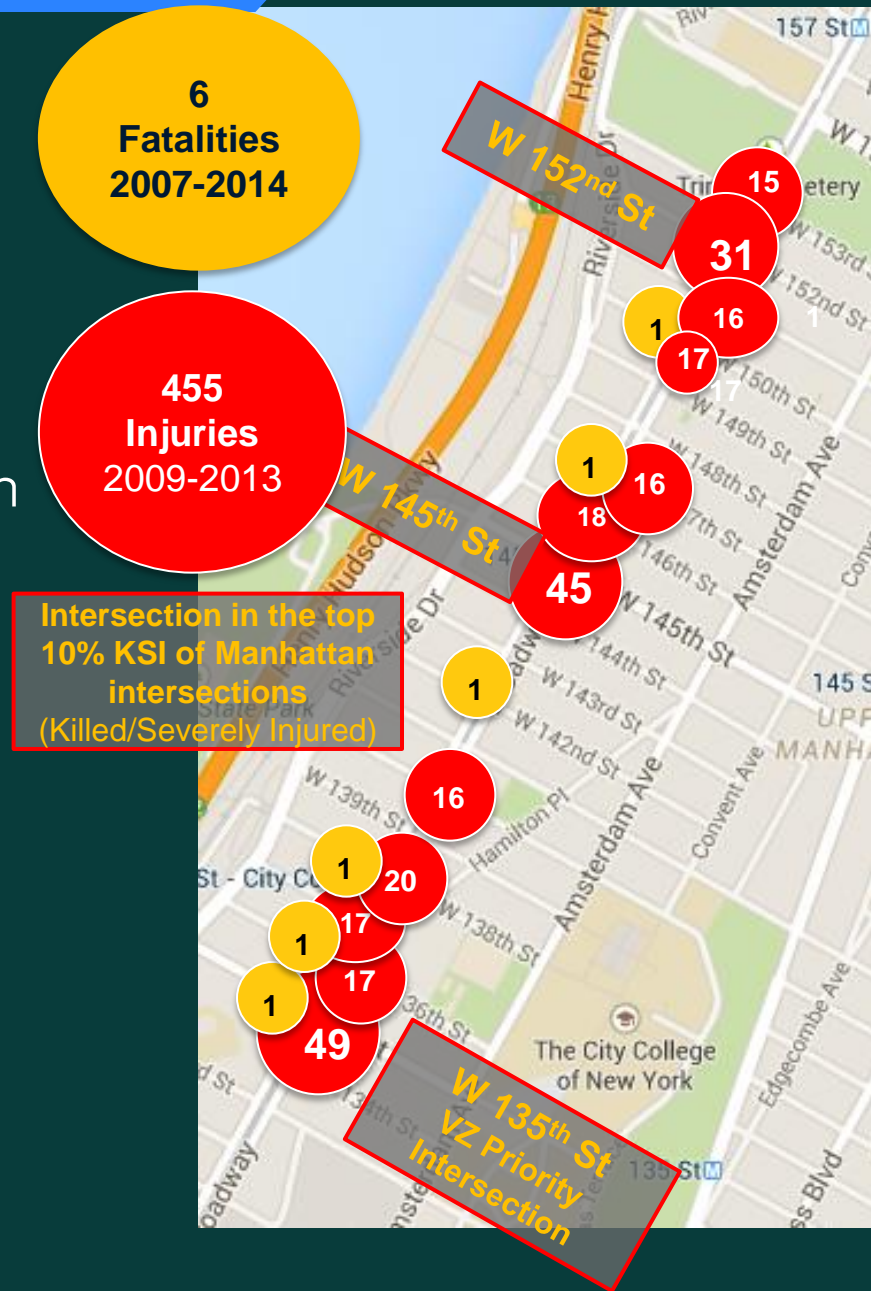
Truck loading lowers visibility and blocks moving lanes



- Broadway is operating as two lanes
- Truck loading lowers visibility
 - Hard for drivers to see pedestrians in the crosswalk
 - Blocks access to and from curbside parking

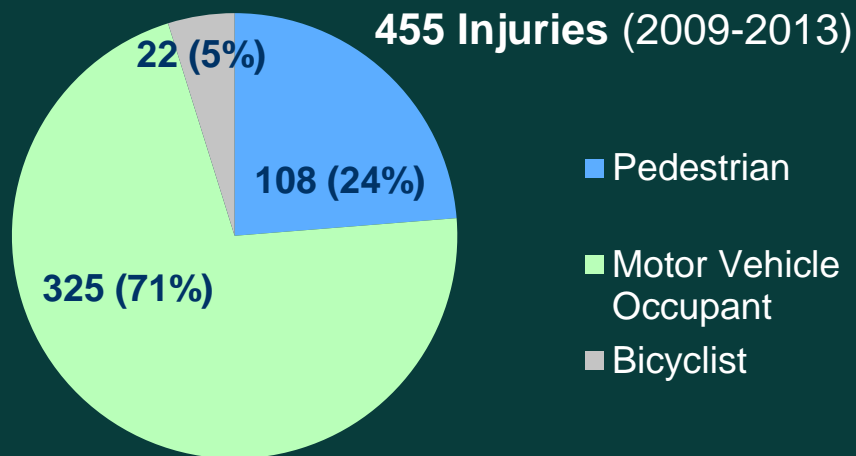
Crash Data: Injuries

- Injuries highest: 135th, 145th, 152nd
 - Among top 10% highest injury Manhattan intersections
- Of 455 injuries 135th and 153rd Sts in 5 years (2009-2013), 24% pedestrians, 71% motor vehicle occupants
- Among the 108 pedestrians injured:
 - 53% crossing with the signal
 - 27% crossing against the signal

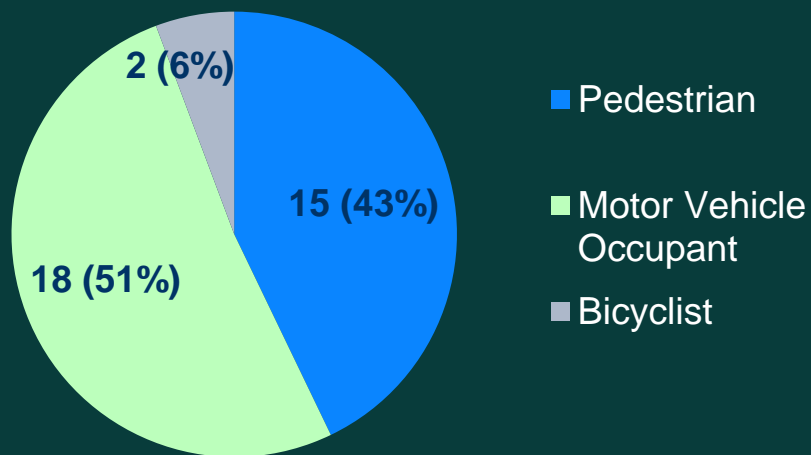


Who is being injured?

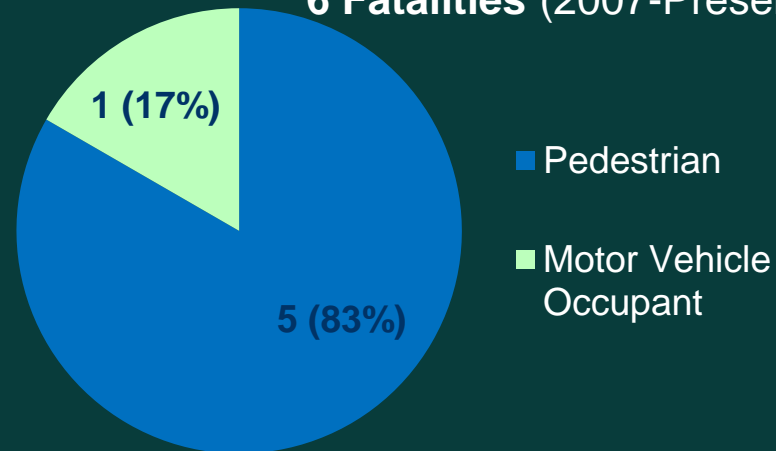
Of 455 injuries 135th and 153rd Sts in 5 years (2009-2013):



35 Severe Injuries (2009-2013)



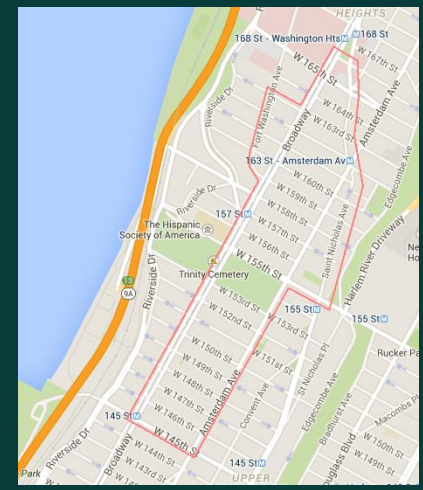
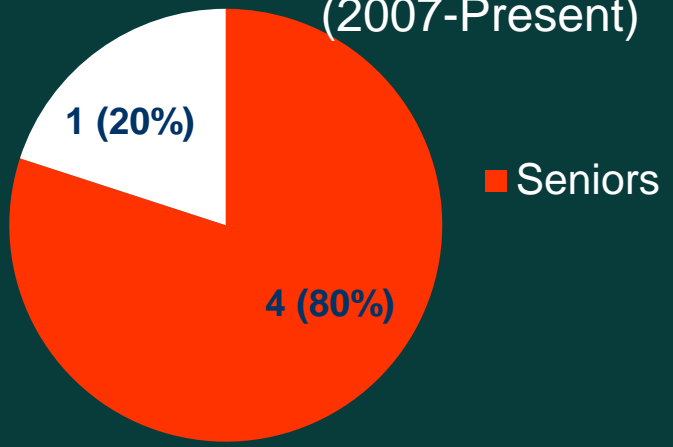
6 Fatalities (2007-Present)



Who is being injured?

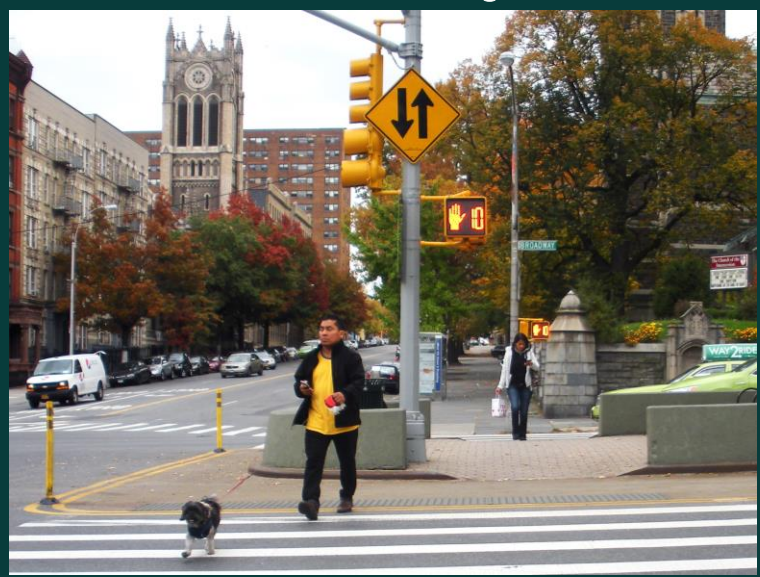
Of 455 injuries 135th and 153rd Sts in 5 years (2009-2013):

5 Pedestrian Fatalities (2007-Present)



Hamilton Heights Senior Area

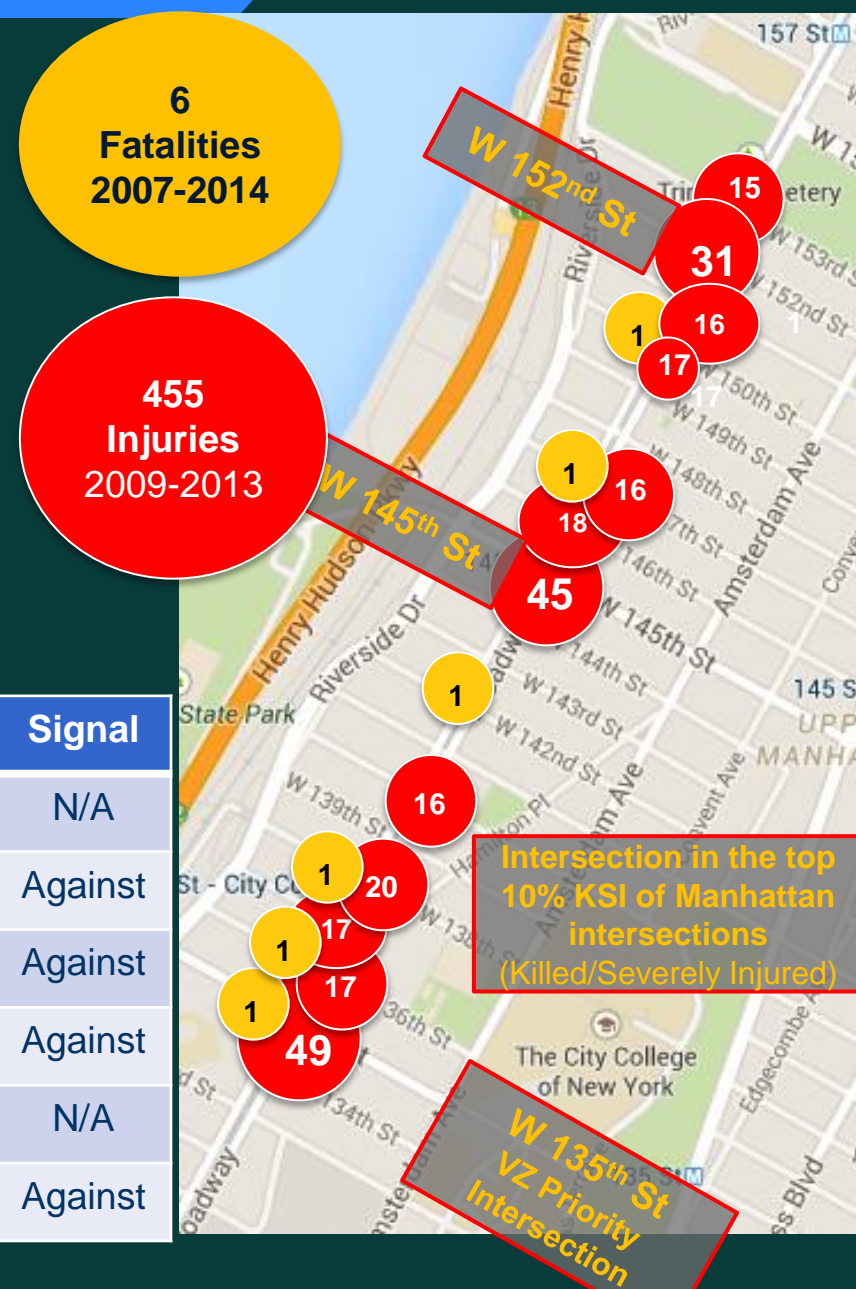
Broadway runs through the NYCDOT Hamilton Heights senior pedestrian focus area from W 145th St to W 166th St



Safety improvement built at Bway/155th St

Crash Data: Fatalities

- 6 fatalities since 2007:
 - 5 are pedestrians
 - 4 are senior pedestrians
 - 4 are pedestrians against signal
 - 4 vehicles going southbound
 - 3 drivers of taxi or livery vehicles



B'way at	When	NB/SB	Fatality	Signal
W 135 th	Feb 2013	SBL/NBT	SB vehicle occupant	N/A
W 136 th	Oct 2009	SB	NYPD hit senior ped	Against
W 138 th	Feb 2012	SB	Livery hit senior ped	Against
W 142 nd	Dec 2008	NB	Taxi hit senior ped	Against
W 147 th	Mar 2007	?	Backed into senior ped	N/A
W 150 th	Dec 2009	SB	Taxi hit 24 year old	Against

2013 fatality at W 135th St

Crash kills one, injures six on Broadway

Lisette Ventura and two children were in one car, but she died after going into cardiac arrest. Six other victims were taken to nearby hospitals.

BY CHELSIA ROSE MARCIUS, SHANE DIXON KAVANAUGH / NEW YORK DAILY NEWS /

Wednesday, February 6, 2013, 5:46 PM

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ANDREW SAVULICH/NEW YORK DAILY NEWS

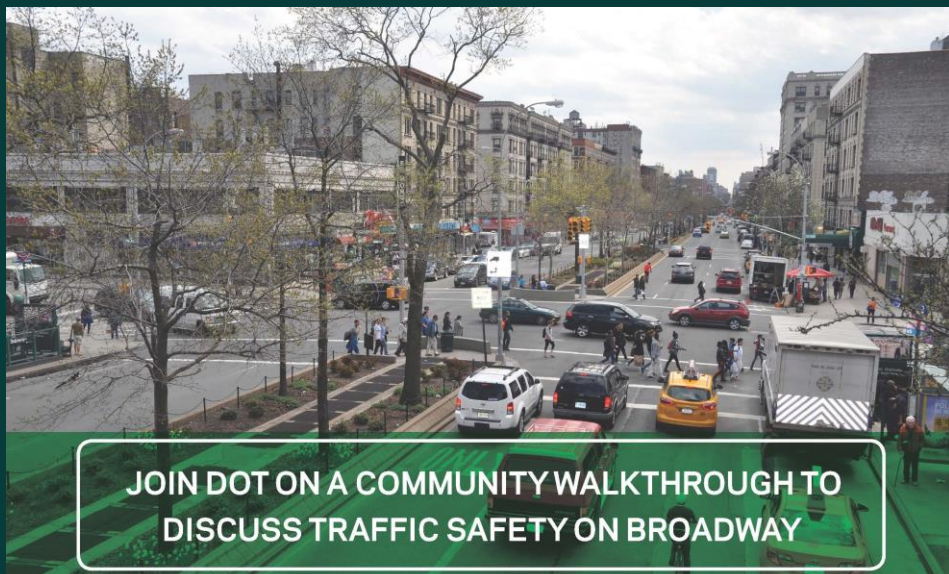
A woman in this car died, and two children were injured, in the red car, which collided with another car on Broadway and 135th St. in Manhattan.

One woman was killed and six people injured in a horrific crash that sent two vehicles smashing into pedestrians on a Harlem sidewalk Wednesday, officials said.

A white delivery van plowed into a Ford Focus at Broadway and W. 135th St. about 2:15 p.m., cops said.

- Protected SB left signal phase was approved at Broadway/W 135th St
- Installation pending completion of MTA NYCT capital project on south side of intersection

Next Steps: Walk through



Join DOT (and invite your friends) to discuss traffic safety on Broadway:

Weds May 13 at 4pm – Meet at Broadway and W 135th St (in front of the Bus Stop Diner)

Thurs May 19 at 10am – Meet at Broadway and W 145th St (in front of McDonald's)

Subject: Join DOT on a community walkthrough to discuss traffic safety on Broadway
(Please join us for both or either walkthrough)

DATE:

Wednesday, May 13, 2015

TIME:

4:00 p.m.

LOCATION:

Meet at 135th and Broadway on the northwest corner
(in front of the Bus Stop Diner)

Tuesday, May 19, 2015

10:00 a.m.

Meet at 145th and Broadway on the northwest corner
(in front of McDonald's)

Contact: Josh Orzeck at NYC DOT, 212-839-6218 or jorzeck@dot.nyc.gov, for all questions, including accessibility accommodations. Please provide as much advance notice as possible to allow us to provide optimal access.

Discussion Involves:

Traffic Safety

Current Street Design

Parking Regulations

Pedestrian Crossings



Questions?

**Thank
You**