



DOT & NYPD
Accomplishments

Vision Zero DOT & NYPD Accomplishments

Design

- **Left Turn Traffic Calming (new for 2016)**
 - Treatments installed at 107 intersections
 - 86 installations at Priority Locations
 - Median left-turn speeds at installations decreased 24.4 % (11.5 to 8.7 MPH)
- **Leading Pedestrian Intervals (LPIs)**
 - Over 1,200 new LPIs since the start of Vision Zero vs 254 citywide prior to Vision Zero (LPIs began in late 1970s)
 - 776 new LPIs in 2016 vs. pre-VZ annual average of 16
 - 1005 LPIs on Priority Corridors & 116 LPIs at Priority Intersections since the start of Vision Zero
- **Corridor Safety Retiming**
 - 100 (65%) Priority Corridors retimed, covering 317 miles (72% of Priority Corridor mileage)
 - 65 Priority Corridors (165 miles) retimed in 2016
 - 33 other corridors (108 miles) retimed for safety
- **Speed Bumps**
 - Over 1,100 new speed bumps since the start of Vision Zero
 - More than 400 new in 2016, more than double the pre-VZ annual average
 - Nearly 350 new speed bumps installed in Priority Areas since start of Vision Zero
- **Total Safety Projects**
 - 242 total safety engineering projects completed since the start of Vision Zero
 - In 2016, 105 projects completed, more than double the pre-VZ annual average
- **Safety Projects at Priority Locations**
 - 178 safety engineering projects completed at Priority Locations since start of Vision Zero
 - In 2016, 76 projects at Priority Locations, more than double the pre-VZ annual average (72% of total safety projects)
- **Protected Bicycle Lane Miles**
 - More than 37 miles of Protected Bike Lanes installed since start of Vision Zero
 - 18.5 miles installed in 2016, the most of any year and nearly triple the pre-VZ annual average
- **Dedicated Bicycle Lane Miles**
 - 115.3 miles of dedicated cycling space (conventional and protected bicycle lanes) installed since start of Vision Zero
 - In 2016, 63.6 miles of dedicated cycling space (conventional and protected bicycle lanes) installed, more than double the pre-VZ annual average
- **Bus Projects**
 - 23 projects implemented in 2016 that enhance bus safety & operations (16 in 2015)
 - 157 Leading Pedestrian Intervals (LPIs) installed at bus turn locations (119 since start of Vision Zero, 77 in 2016)
- **Traffic Signals**
 - More than 100 new traffic signals installed at Priority Locations since start of Vision Zero
 - In 2016, over 50 new traffic signals installed at Priority Locations
- **25 MPH Speed Limit Signage**
 - More than 400 Miles of Priority Corridors were signed for 25 MPH since the start of Vision Zero
 - More than 2,400 25 MPH speed limit signs installed on Priority Corridors

Vision Zero DOT & NYPD Accomplishments

Enforcement

- **Failure to Yield**
 - Greater than 115,000 summonses since the start of Vision Zero
 - Greater than 40,000 summonses in 2016. Nearly 4 times the pre-VZ annual average
- **Speeding (Manual)**
 - Greater than 385,000 summonses since the start of Vision Zero
 - More than 135,000 in 2016. Up more than 75% from the pre-VZ annual average
- **Speeding (Automated)**
 - More than 2.8 million Notices of Liability issued since start of Vision Zero
 - More than 1.3 million Notices of Liability issued in 2016
 - More than 50% of Notices of Liability issued at Priority Locations in 2016
 - The consistent and predictable enforcement provided by speed cameras leads to fewer violations over time. The typical speed camera reduces speeding violations by 50% within its first year
- **Bicycle Safety Enforcement (Manual) – Operation Safe Passage (new for 2016)**
 - More than 7,000 Parking in Bicycle Lane summons issued
 - More than 50,000 Vision Zero moving violations issued

Safety Education

- NYPD & DOT Street Teams visited over 350 Priority Locations since start of Vision Zero (more than 1.7 million flyers distributed)
- More than 100 Priority Locations visited in 2016 (over 500,000 flyers distributed)
- DOT Safety Education visited nearly 1,000 schools at Priority Locations since start of Vision Zero
- More than 300 schools in Priority Locations visited in 2016
- DOT Safety Education visited nearly 200 senior centers at Priority Locations since start of Vision Zero
- More than 50 senior centers in Priority Locations visited in 2016

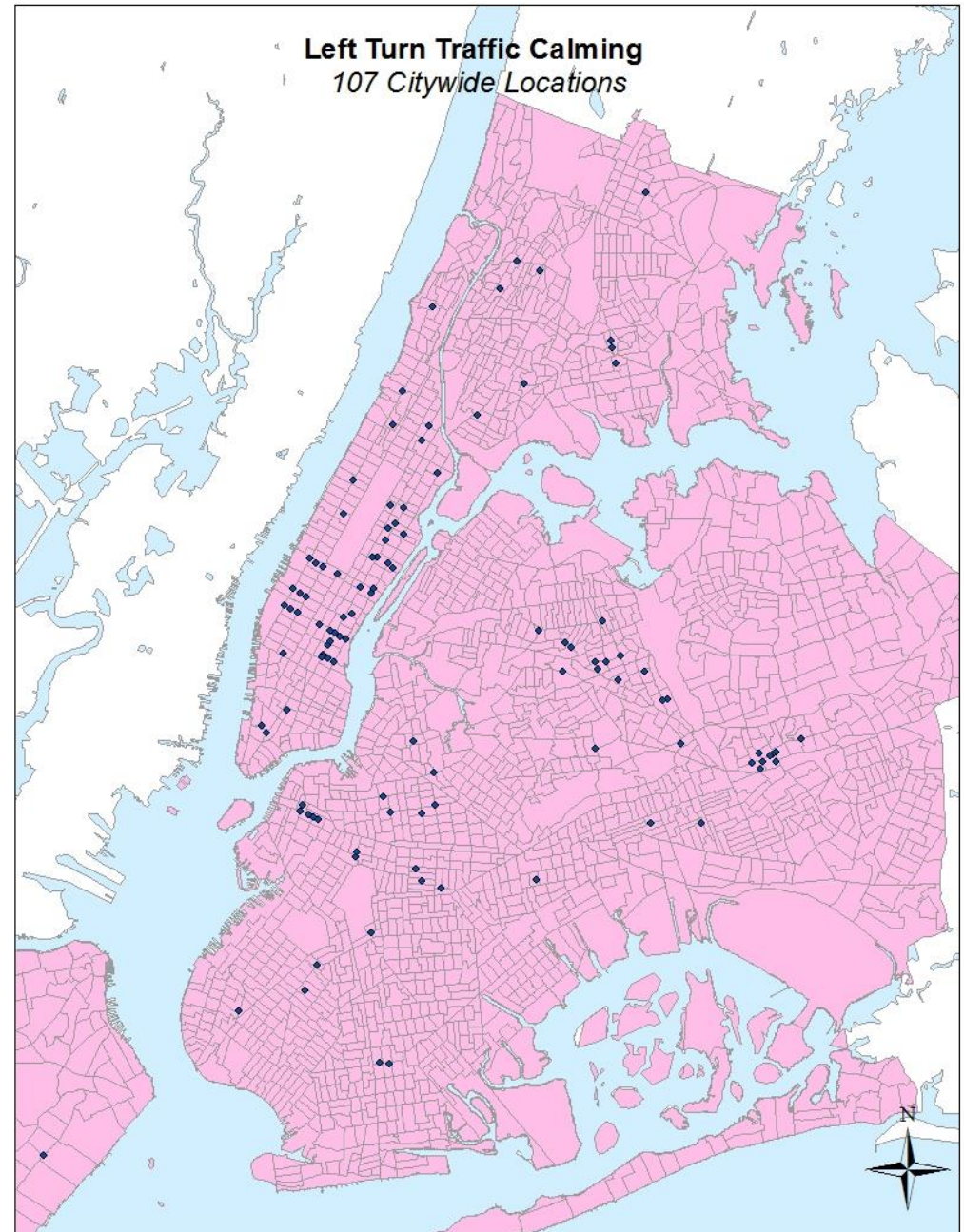


DOT & NYPD
Accomplishments
Design

Left Turn Traffic Calming 2016 Pilot Program

New for 2016

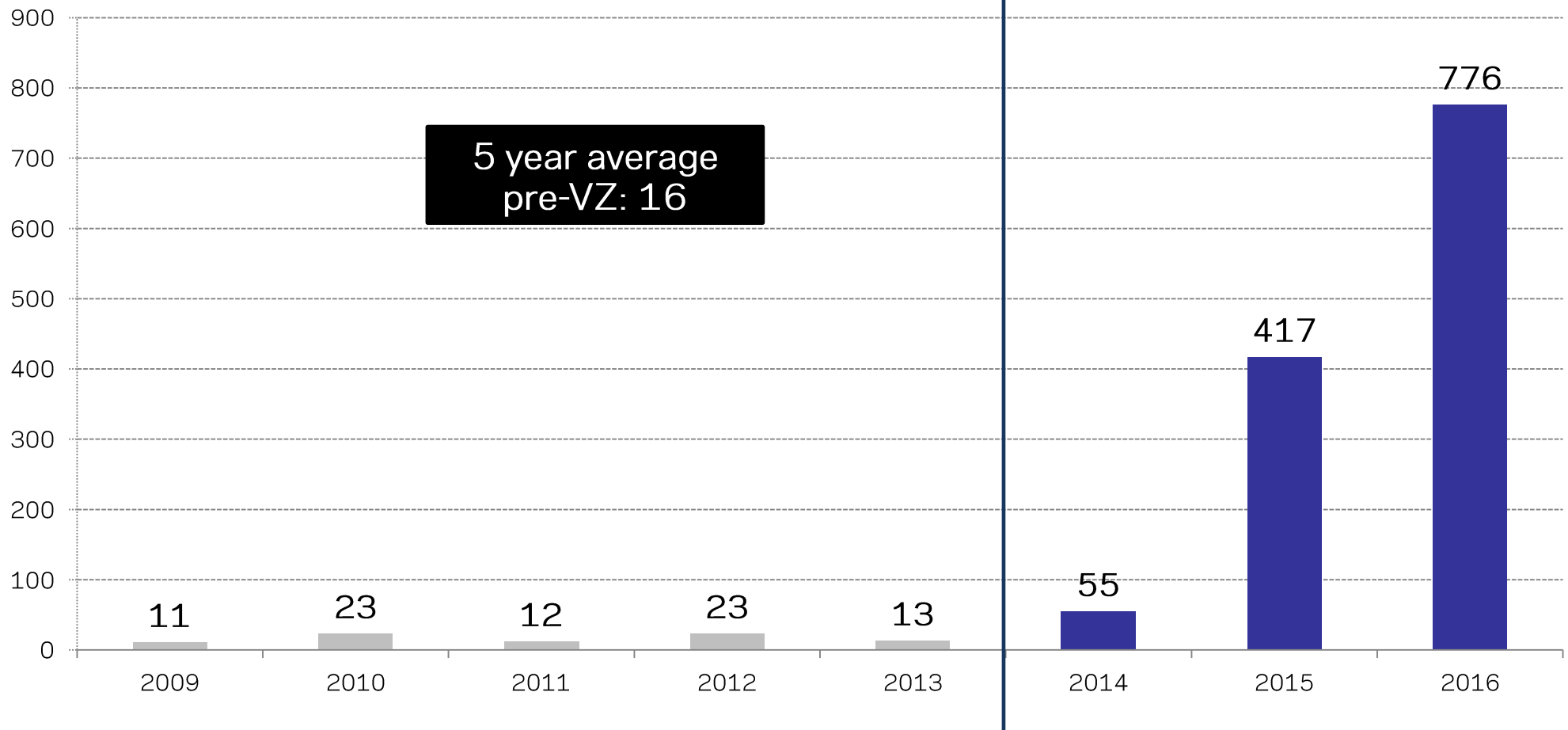
- Treatments installed at 107 intersections
- 86 installations at Priority Locations
- Median left-turn speeds at installations decreased 24.4% (11.5 to 8.7 MPH)



Leading Pedestrian Intervals

Installs Before & After Vision Zero

- Over 1,200 new LPIs since the start of Vision Zero vs 254 citywide prior to Vision Zero (LPIs began in late 1970s)
- 776 new LPIs in 2016 vs. pre-VZ annual average of 16
- 1005 LPIs on Priority Corridors & 116 LPIs at Priority Intersections since the start of Vision Zero



Corridor Safety Retiming

Includes 24/7, overnight and off-peak 25 MPH retiming and pre-Vision Zero signal calming

- 100 (65%) Priority Corridors retimed, covering 317 miles (72% of Priority Corridor mileage)
- 65 Priority Corridors (165 miles) retimed in 2016
- 33 other corridors (108 miles) retimed for safety

Borough	Priority Corridors	# Retimed	% Retimed
Bronx	25 corridors (65 miles)	19 corridors (54 miles)	76% of corridors (83% of miles)
Brooklyn	49 corridors (142 miles)	33 corridors (101 miles)	67% of corridors (71% of miles)
Manhattan	17 corridors (56 miles)	12 corridors (46 miles)	71% of corridors (81% of miles)
Queens	47 corridors (127 miles)	27 corridors (85 miles)	57% of corridors (67% of miles)
Staten Island	16 corridors (53 miles)	9 corridors (31 miles)	56% of corridors (58% of miles)
TOTAL	154 corridors (443 miles)	100 corridors (317 miles)	65% of corridors (72% of miles)

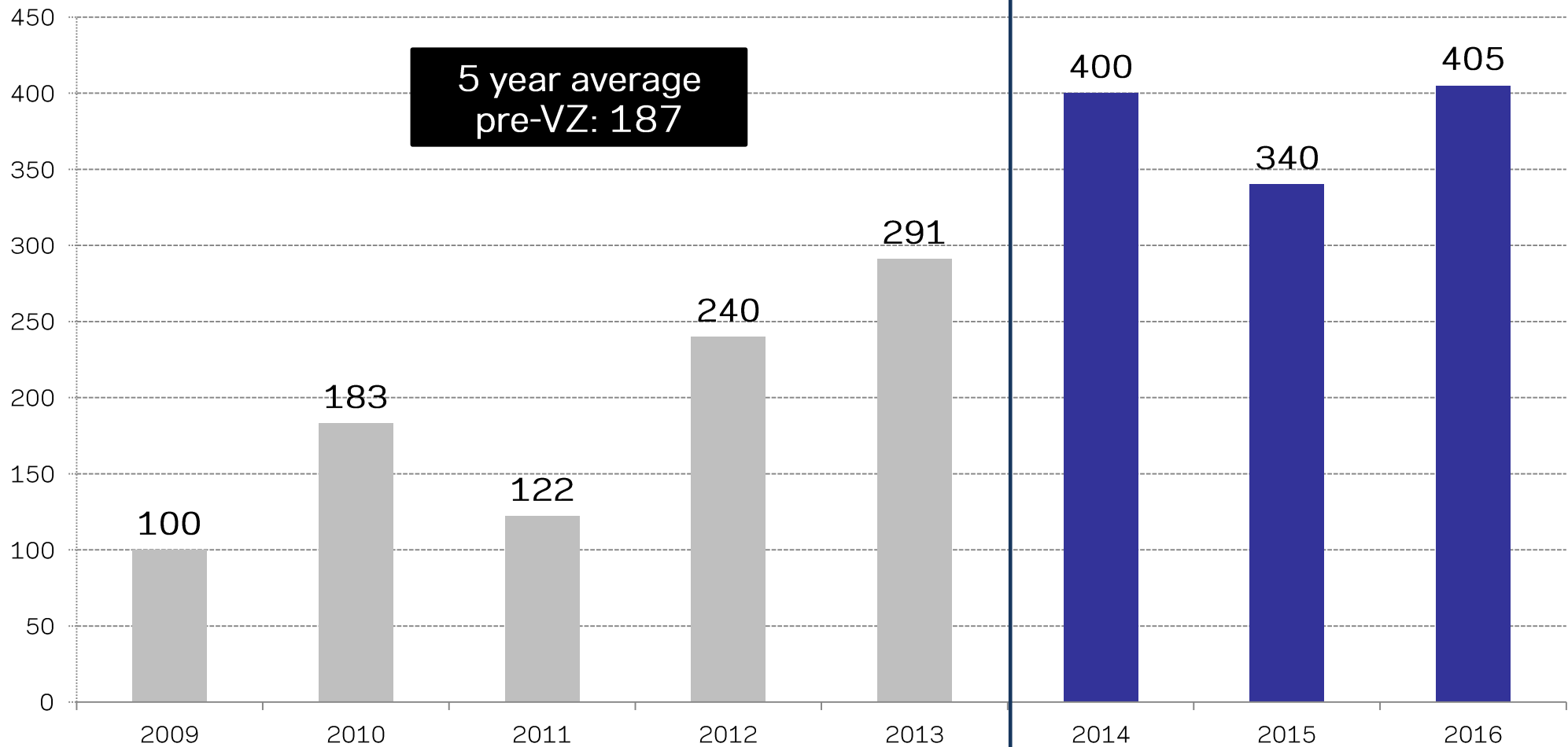
Speed Bumps

Installs Before & After Vision Zero

- Over 1,100 new speed bumps since the start of Vision Zero
- More than 400 new in 2016, more than **double** the pre-VZ annual average
- Nearly 350 new speed bumps installed in Priority Areas since start of Vision Zero

2016 vs pre VZ
+117%

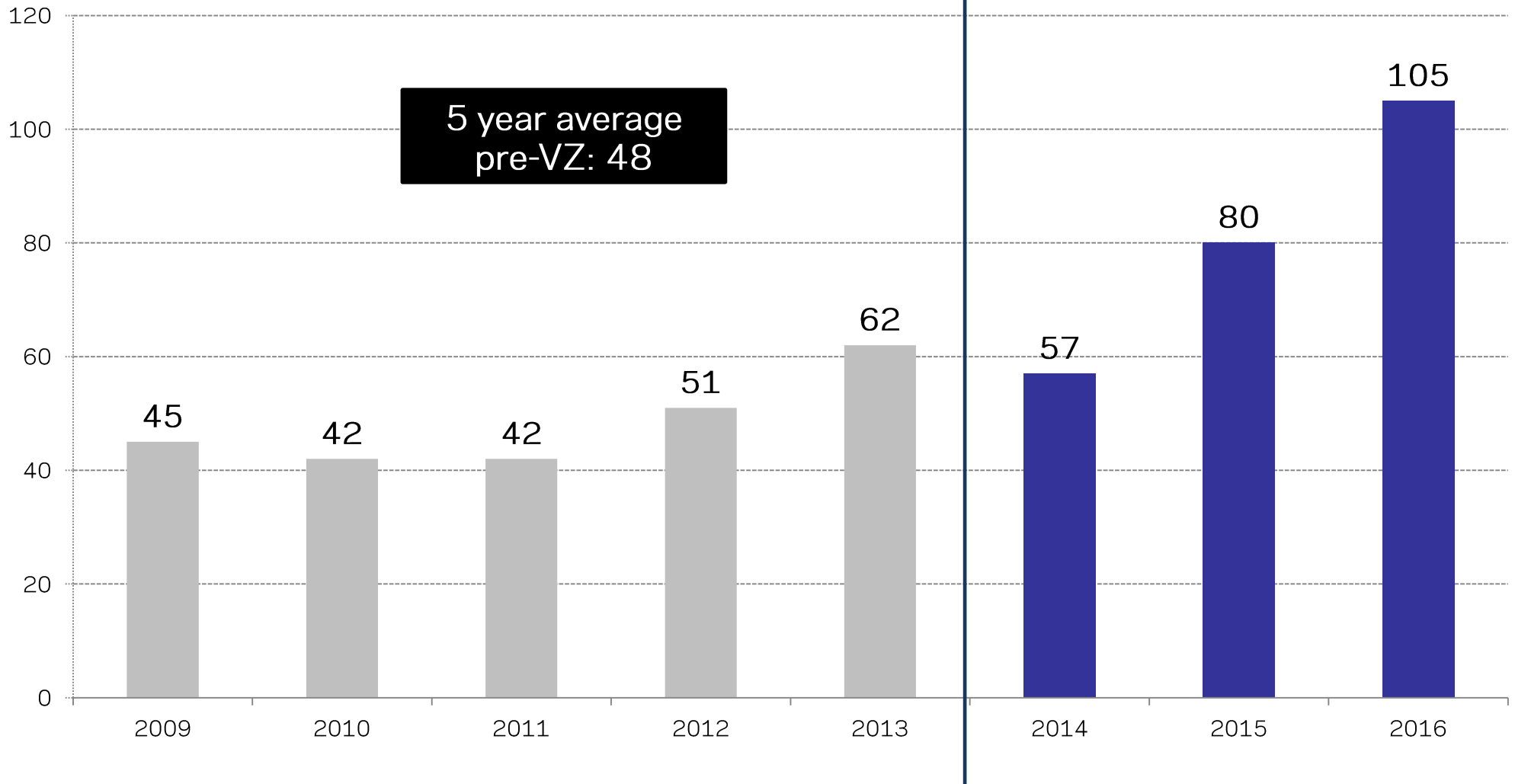
5 year average
pre-VZ: 187



Total Safety Projects Before & After Vision Zero

- 242 total safety engineering projects completed since the start of Vision Zero
- In 2016, 105 projects completed, more than **double** the pre-VZ annual average

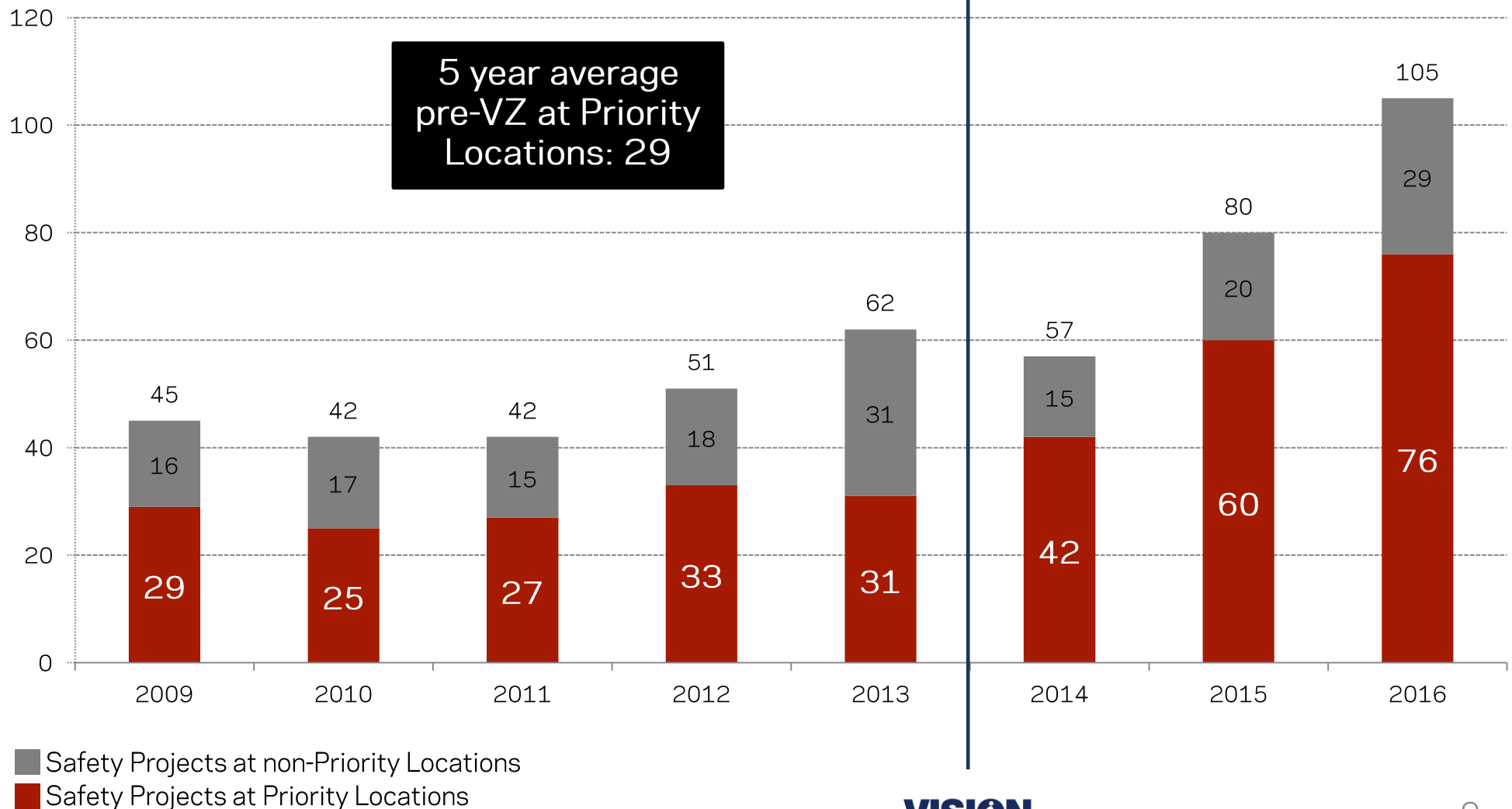
2016 vs pre VZ
+119%



Total Safety Projects Before & After Vision Zero

- 178 safety engineering projects completed at Priority Locations since start of Vision Zero
- In 2016, 76 projects at Priority Locations, more than double the pre-VZ annual average (72% of total safety projects)

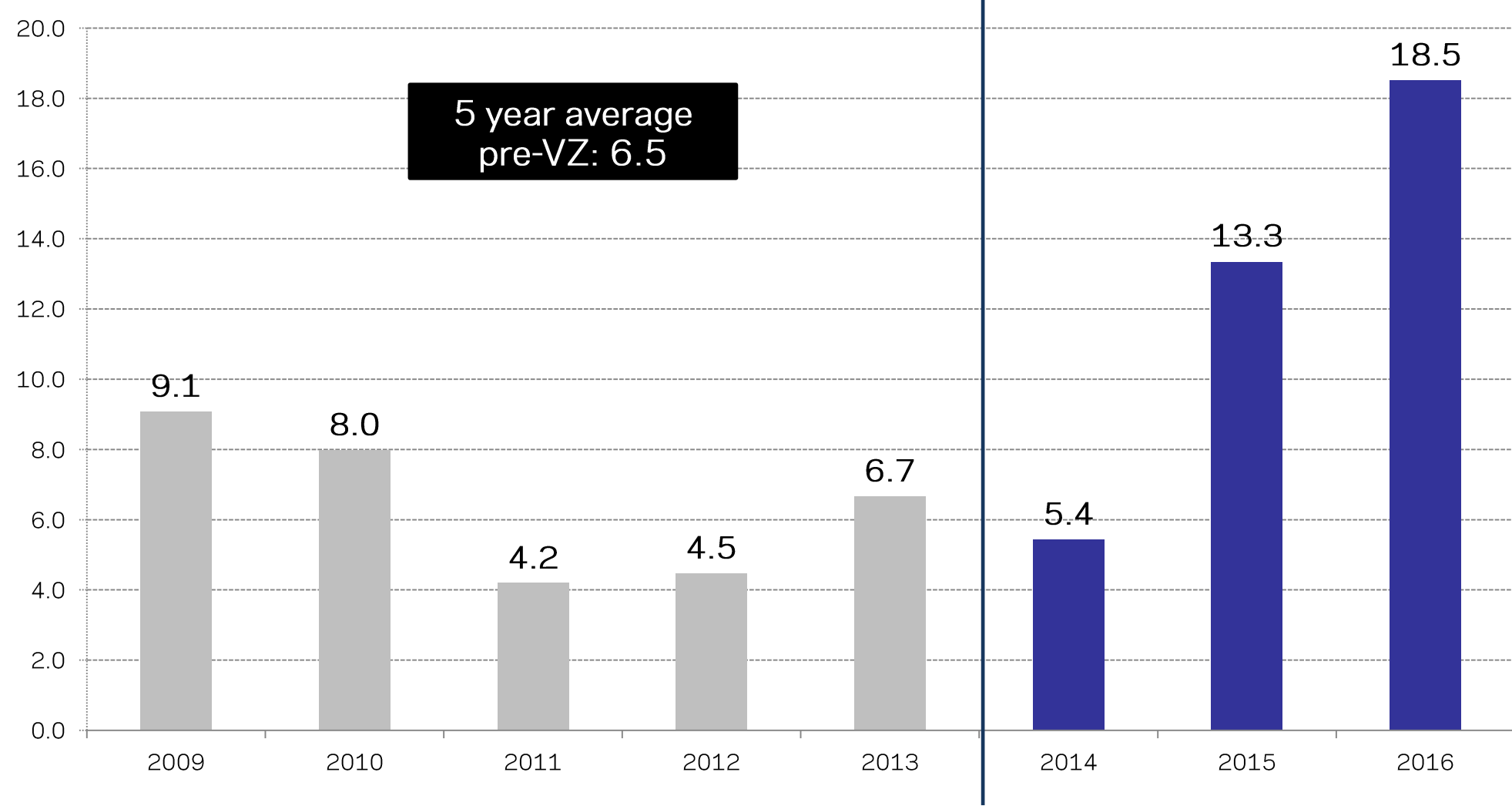
2016 vs pre VZ at
Priority Locations
+162%



Protected Bike Lane Miles Before & After Vision Zero

- More than 37 miles of Protected Bike Lanes installed since start of Vision Zero
- 18.5 miles installed in 2016, the most of any year and nearly triple the pre-VZ annual average

2016 vs pre VZ
+185%

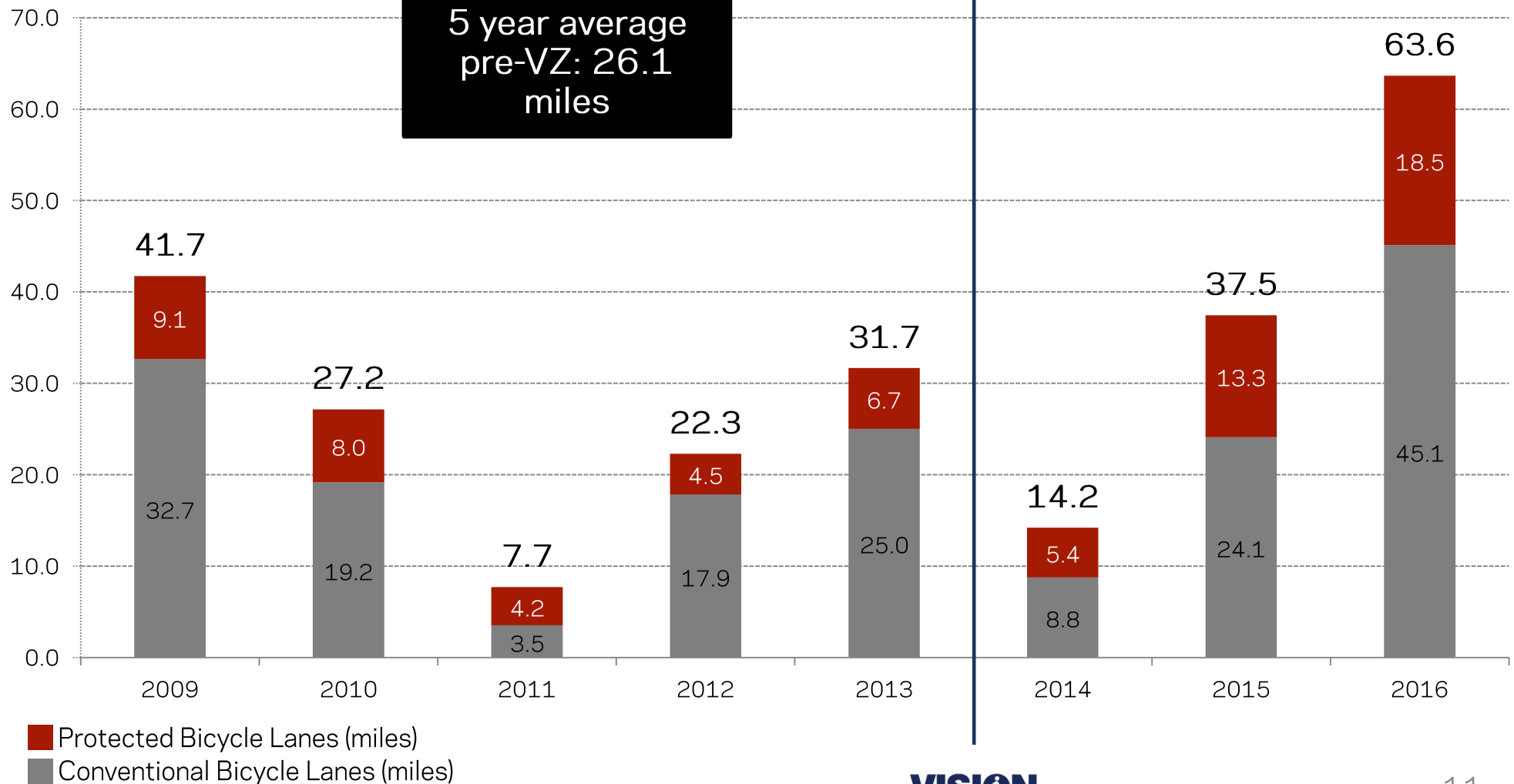


Dedicated Cycling Space Before & After Vision Zero

- 115.3 miles of dedicated cycling space (conventional and protected bicycle lanes) installed since start of Vision Zero
- In 2016, 63.6 miles of dedicated cycling space (conventional and protected bicycle lanes) installed, more than **double** the pre-VZ annual average

2016 vs pre VZ
+144%

5 year average
pre-VZ: 26.1
miles



Bus Safety & Operations

- 23 projects implemented in 2016 that enhance bus safety & operations (16 in 2015)
- 157 Leading Pedestrian Intervals (LPIs) installed at bus turn locations (119 since start of Vision Zero, 77 in 2016)

Completed 2016 Projects

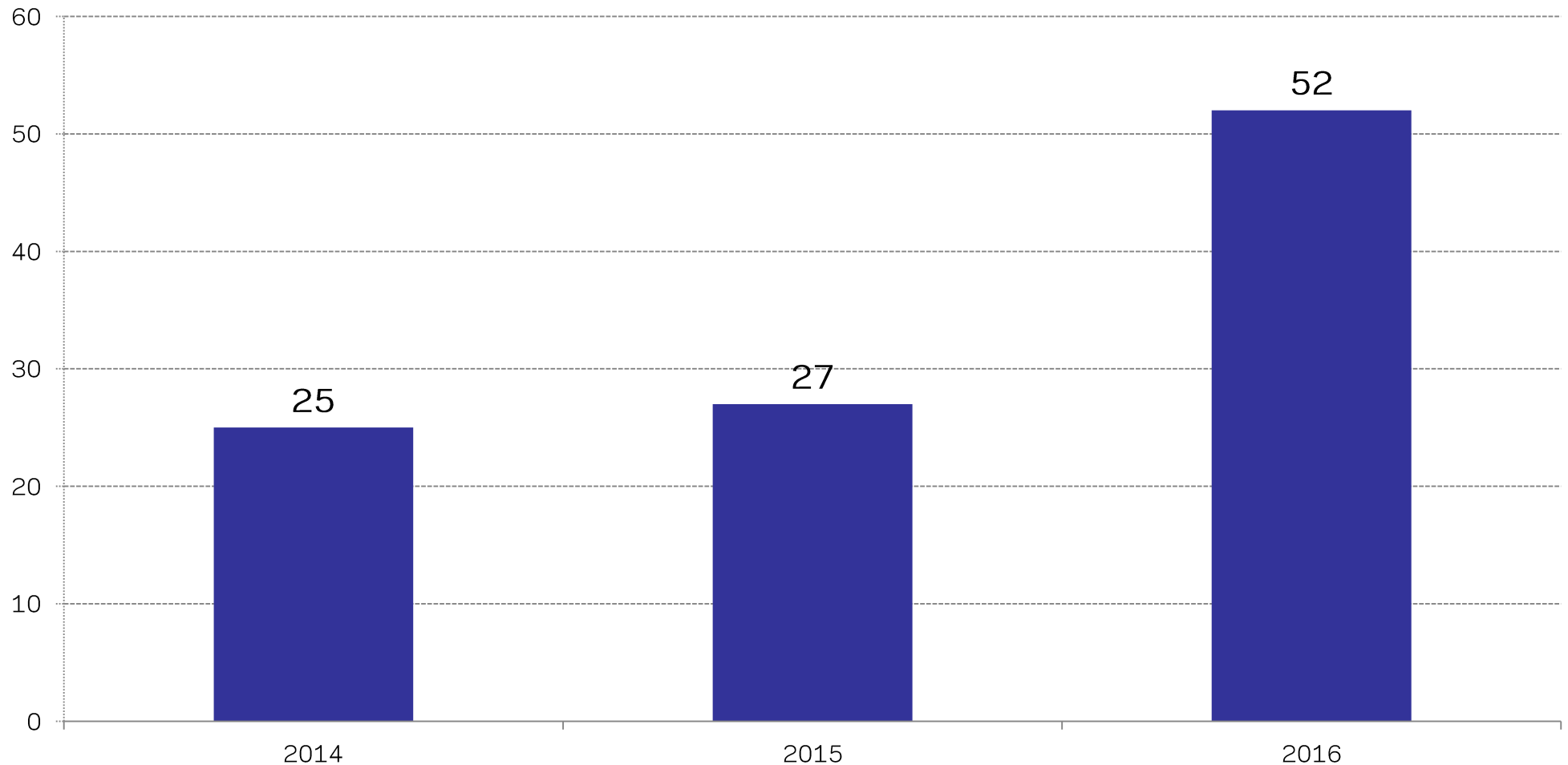
1. 20th Av, Queens
2. 23rd St SBS, Manhattan
3. Adams St & Fulton St, Brooklyn
4. Bay St & Victory Blvd, Staten Island
5. Broadway & 225th, 228th St, Bronx
6. Flatbush Av & 5th Av, Brooklyn
7. Forest Av, Staten Island
8. Grand Concourse, 138th St to 158th St, Bronx
9. Guider Ave & Coney Island Ave, Brooklyn
10. Hillside Av & Metropolitan Av, Queens
11. Jamaica Av, Alabama Av to Jackie Robinson Pkwy, Brooklyn
12. Lincoln Center Bow Tie (cont'd from 2015), Manhattan
13. Madison Av & 96th St, Manhattan
14. Meeker Av, Brooklyn
15. Myrtle Av & Wyckoff Ave, Brooklyn/Queens
16. Northern Blvd & 48th / 49th St, Queens
17. Queens Blvd, 74th St to Eliot Av
18. Richmond Terrace, Staten Island
19. Sheepshead Bay Rd, Brooklyn
20. Tremont Av, Cedar Ave to Southern Blvd, Bronx
21. Utica Av SBS, Brooklyn
22. White Plains Rd & 225th St, Bronx
23. Woodhaven Blvd / Cross Bay Blvd SBS, Queens



Traffic Signals at Priority Locations

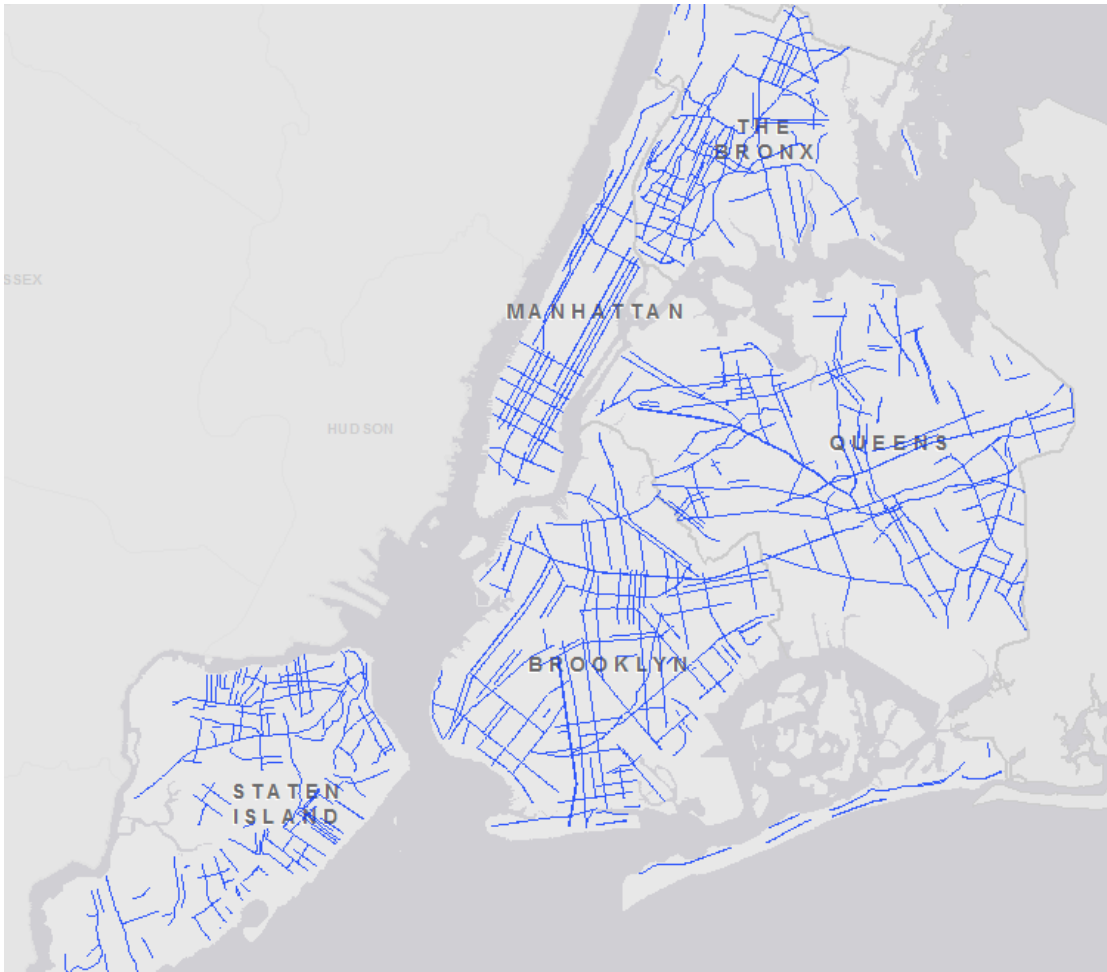
Since Vision Zero

- More than 100 new traffic signals installed at Priority Locations since start of Vision Zero
- In 2016, over 50 new traffic signals installed at Priority Locations

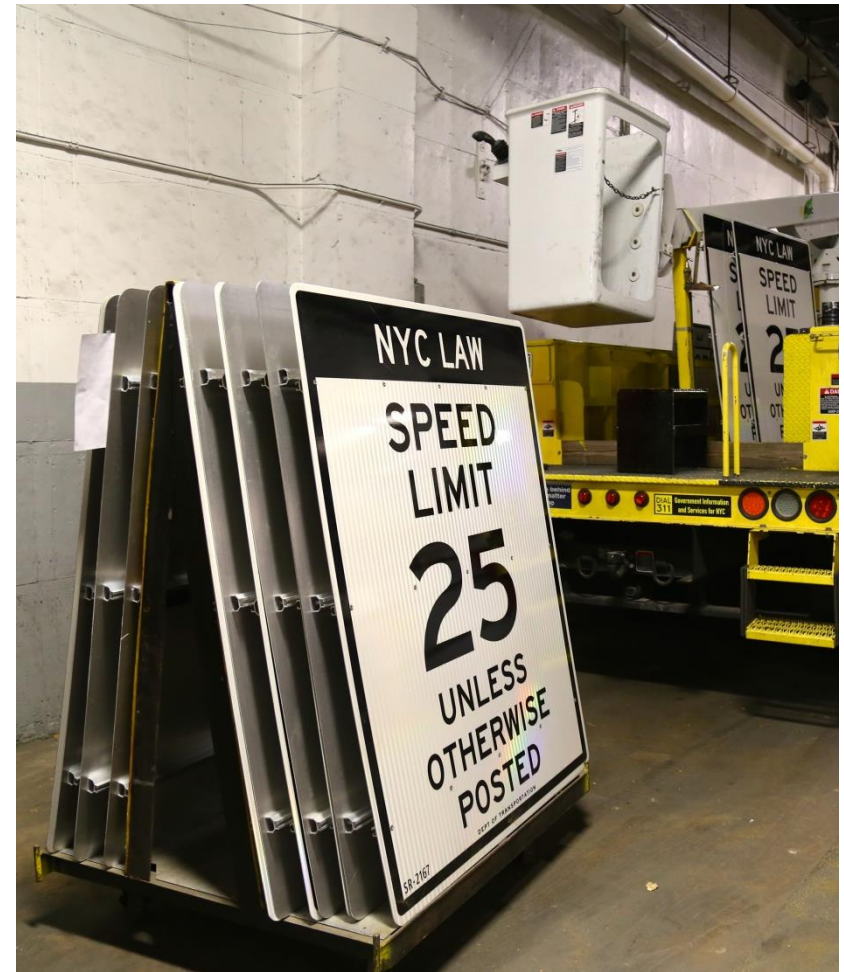


25 MPH Speed Limit Signage

Since Vision Zero



NYC streets signed for 25 MPH



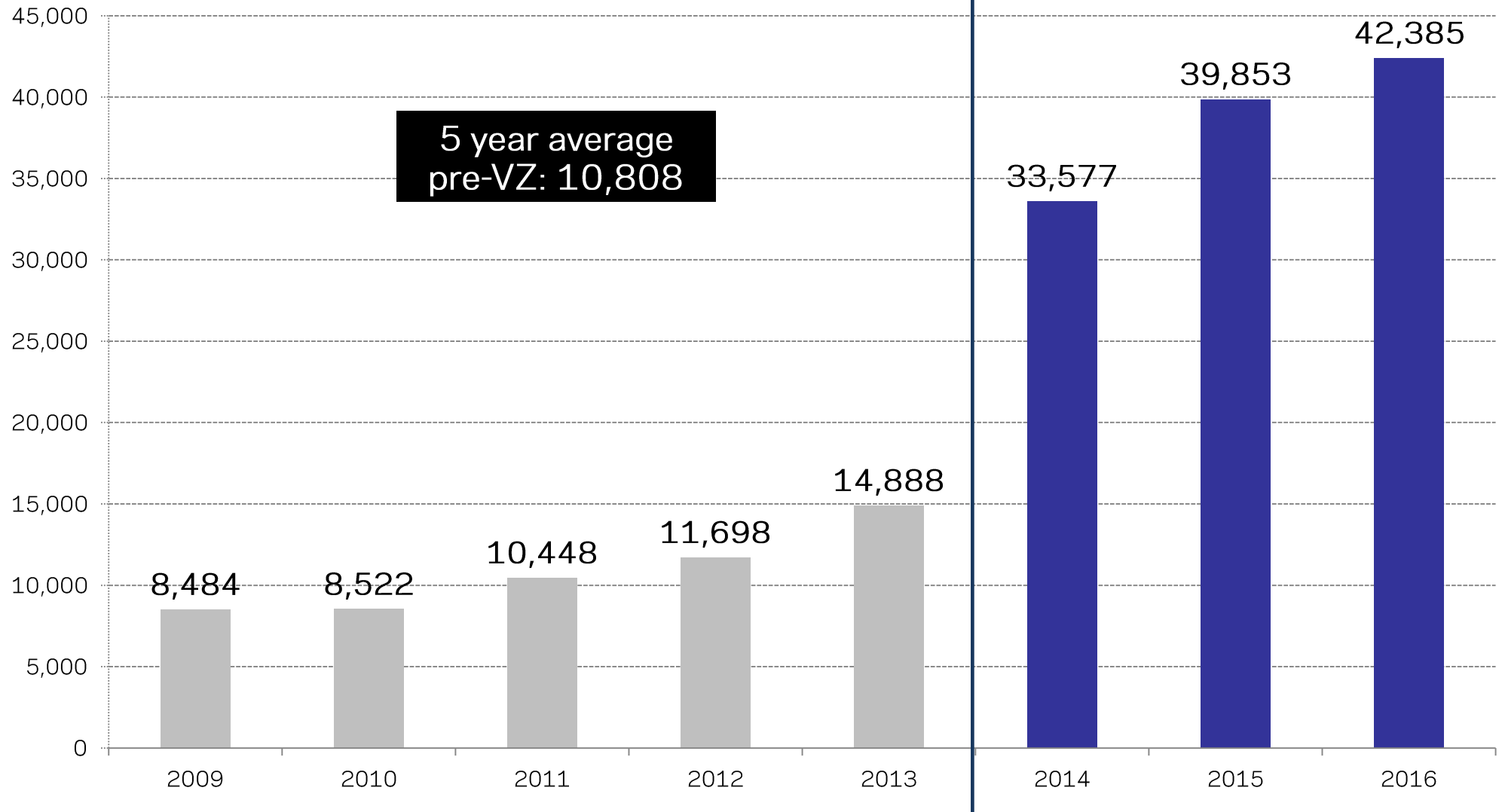
- More than **400** Miles of Priority Corridors were signed for 25 MPH since the start of Vision Zero
- More than **2,400** 25 MPH speed limit signs installed on Priority Corridors



DOT & NYPD
Accomplishments
Enforcement

Failure to Yield **Summons Before & After Vision Zero**

- Greater than 115,000 summonses since the start of Vision Zero
- Greater than 40,000 summonses in 2016. Nearly 4 times the pre-VZ annual average

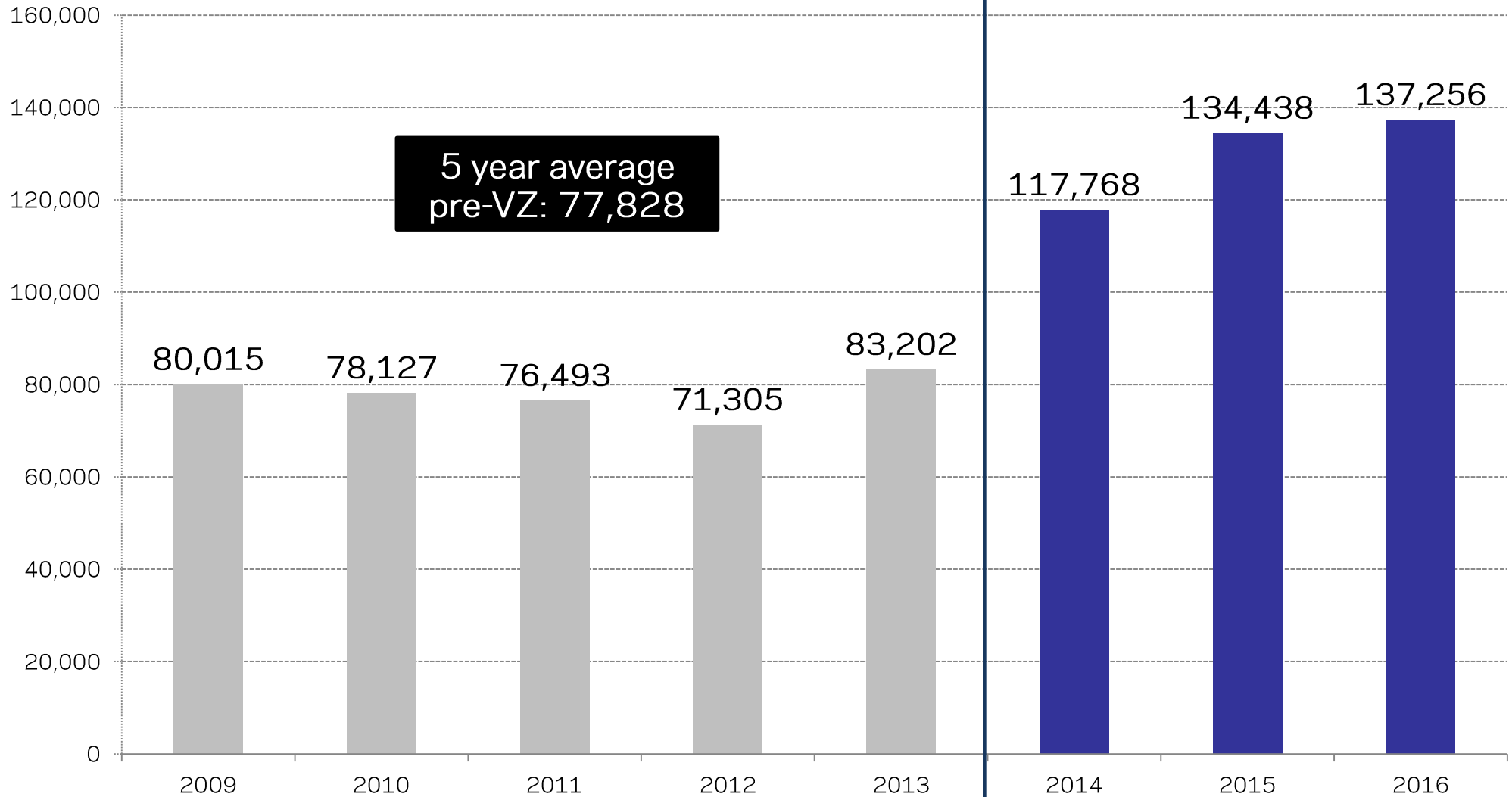


Speeding Manual Summons Before & After Vision Zero

- Greater than 385,000 summonses since the start of Vision Zero
- More than 135,000 in 2016. Up more than 75% from the pre-VZ annual average

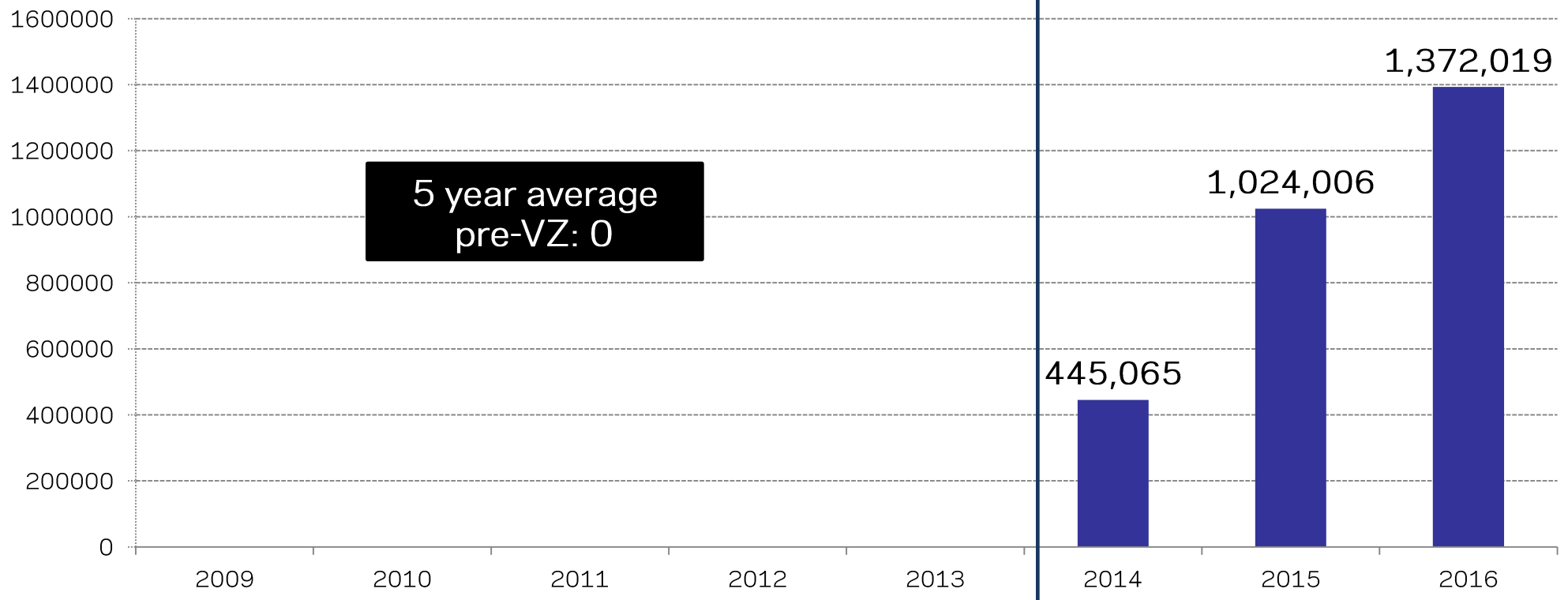
2016 vs pre VZ
+76%

5 year average
pre-VZ: 77,828



Speeding Automated Violations Before & After Vision Zero

- More than **2.8 million** Notices of Liability issued since start of Vision Zero
- More than **1.3 million** Notices of Liability issued in 2016
- More than **50%** of Notices of Liability issued at Priority Locations in 2016
- The consistent and predictable enforcement provided by speed cameras leads to fewer violations over time. The typical speed camera reduces speeding violations by **50%** within its first year



Operation Safe Passage **Bicycle Safety Enforcement**

New for 2016

- More than 7,000 Parking in Bicycle Lane summons issued
- More than 50,000 Vision Zero moving violations issued

In an effort to provide safe passage for cyclists and reduce bicycle-involved injuries, NYPD coordinated a citywide traffic initiative focused on averting hazardous parking and moving infractions which interfere with the safe passage of cyclists.

During the summer and fall of 2016, NYPD conducted four of these citywide bicycle safety initiatives: May 16-20, June 20-24, July 25-31 and September 12-16.

These initiatives resulted in a total of 530,025 hazardous parking summonses and 54,486 hazardous moving summonses being issued during these specific dates.



OPERATION SAFE PASSAGE

Vision Zero / Hazardous Parkers							Vision Zero / Hazardous Movers								
Date	Boro	Double Park	Parking Bike Lane	No Standing	Other A*	Total A	Speeding	Red Light	Disobey Traffic Control Device	FTY to Ped/Bike	Cellphone	Texting	Improper Turn	Other B	Total B
05/16 to 05/20	CW Total	8,815	1,730	14,741	123,940	149,226	916	879	2,871	605	1,499	803	1,454	5,237	14,264
06/20 to 06/24	CW Total	8,704	1,757	14,133	117,862	142,456	689	1,086	2,747	810	1,319	657	1,329	4,898	13,535
07/25 to 07/31	CW Total	8,346	1,827	11,106	81,267	102,546	761	913	2,666	435	1,137	559	1,394	5,123	12,988
09/12 to 09/16	CW Total	12,692	2,044	1,029	120,032	135,797	779	969	2,606	759	1,374	719	1,622	4,871	13,699
Total	Total	38,557	7,358	41,009	443,101	530,025	3,145	3,847	10,890	2,609	5,329	2,738	5,799	20,129	54,486

Other A refers to other parking violations such as bus stop, fire hydrant, parking meter, handicap, etc.



DOT & NYPD

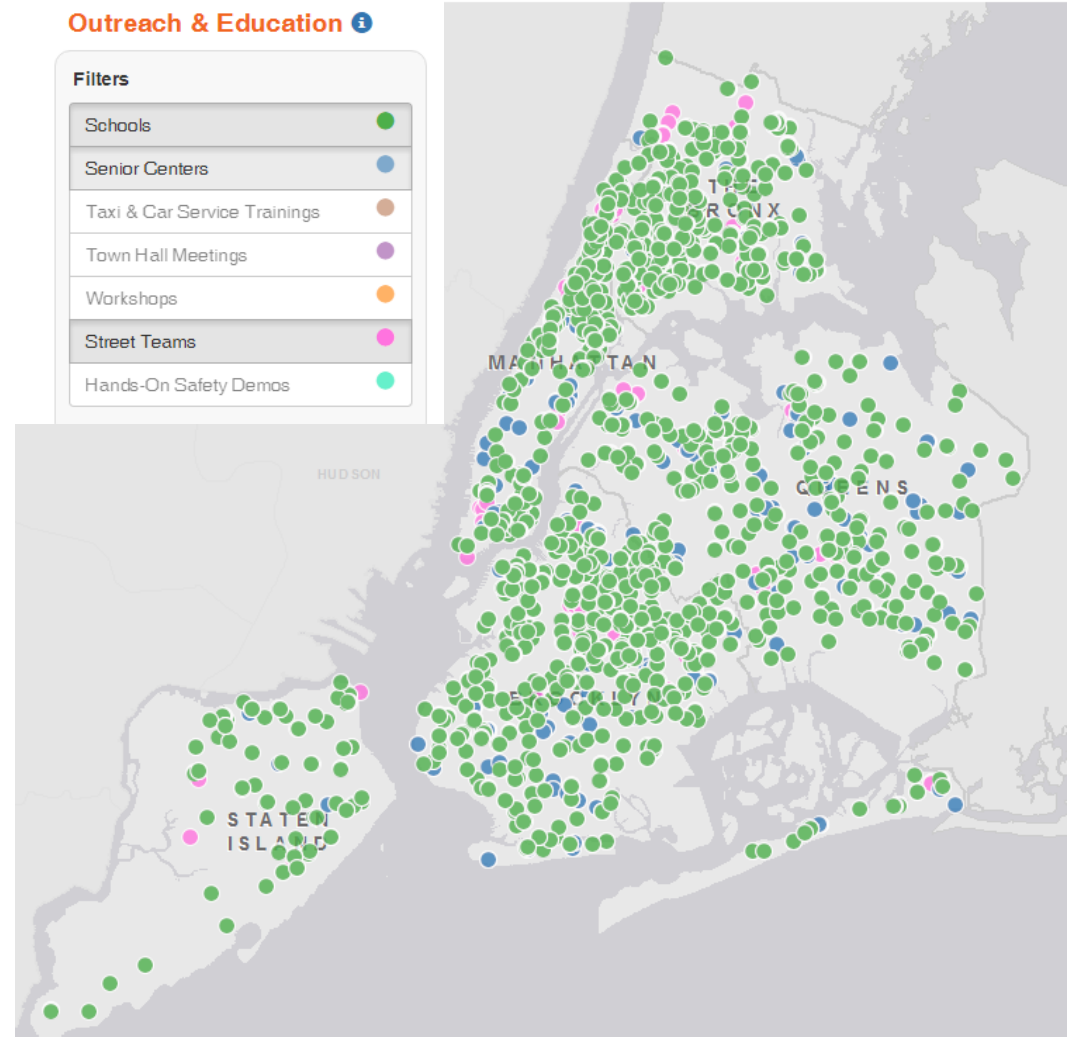
Accomplishments

Safety Education

Safety Education

Since Vision Zero

- NYPD & DOT Street Teams visited over 350 Priority Locations since start of Vision Zero (more than 1.7 million flyers distributed)
- More than 100 Priority Locations visited in 2016 (over 500,000 flyers distributed)
- DOT Safety Education visited nearly 1,000 schools at Priority Locations since start of Vision Zero
- More than 300 schools in Priority Locations visited in 2016
- DOT Safety Education visited nearly 200 senior centers at Priority Locations since start of Vision Zero
- More than 50 senior centers in Priority Locations visited in 2016



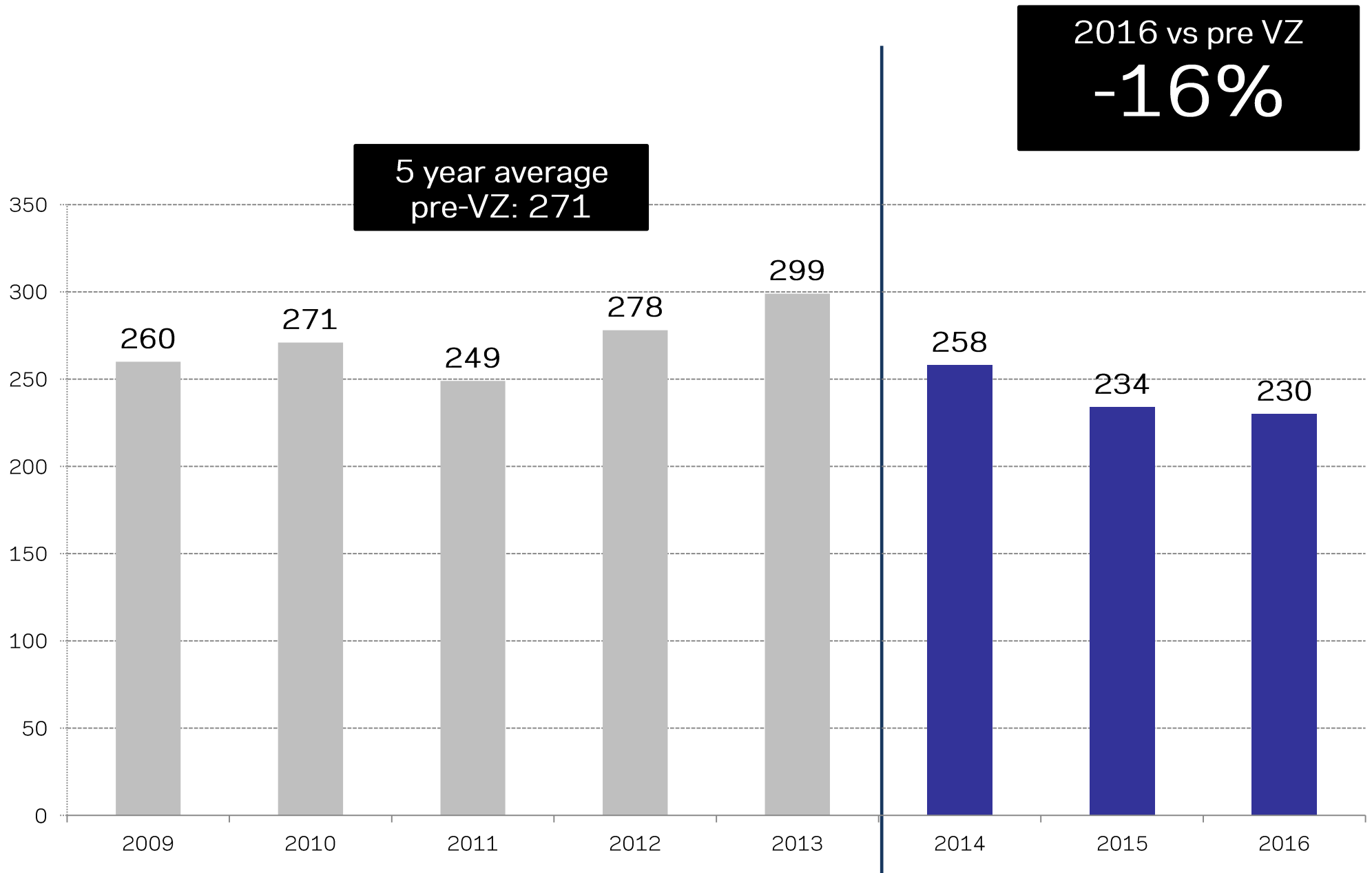


DOT & NYPD

Accomplishments

Traffic Fatalities

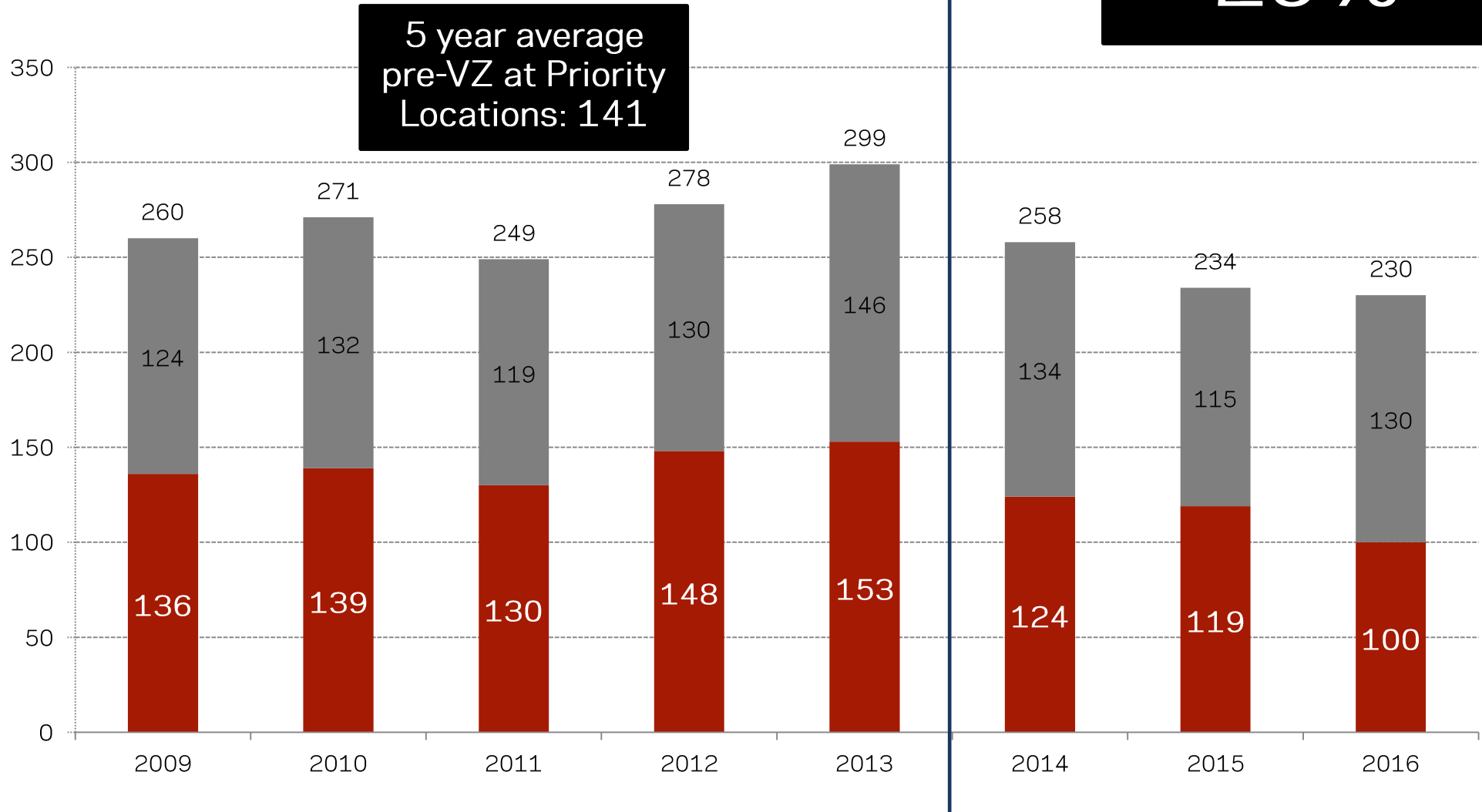
All Traffic Fatalities Before & After Vision Zero



All Traffic Fatalities Before & After Vision Zero

- Fatalities at Priority Locations have fallen 29%, from 141 to 100. Not at Priority Locations, fatalities were flat in 2016 versus the pre-Vision Zero average (130 vs. 130)

2016 vs pre VZ
At Priority Locations:
-29%

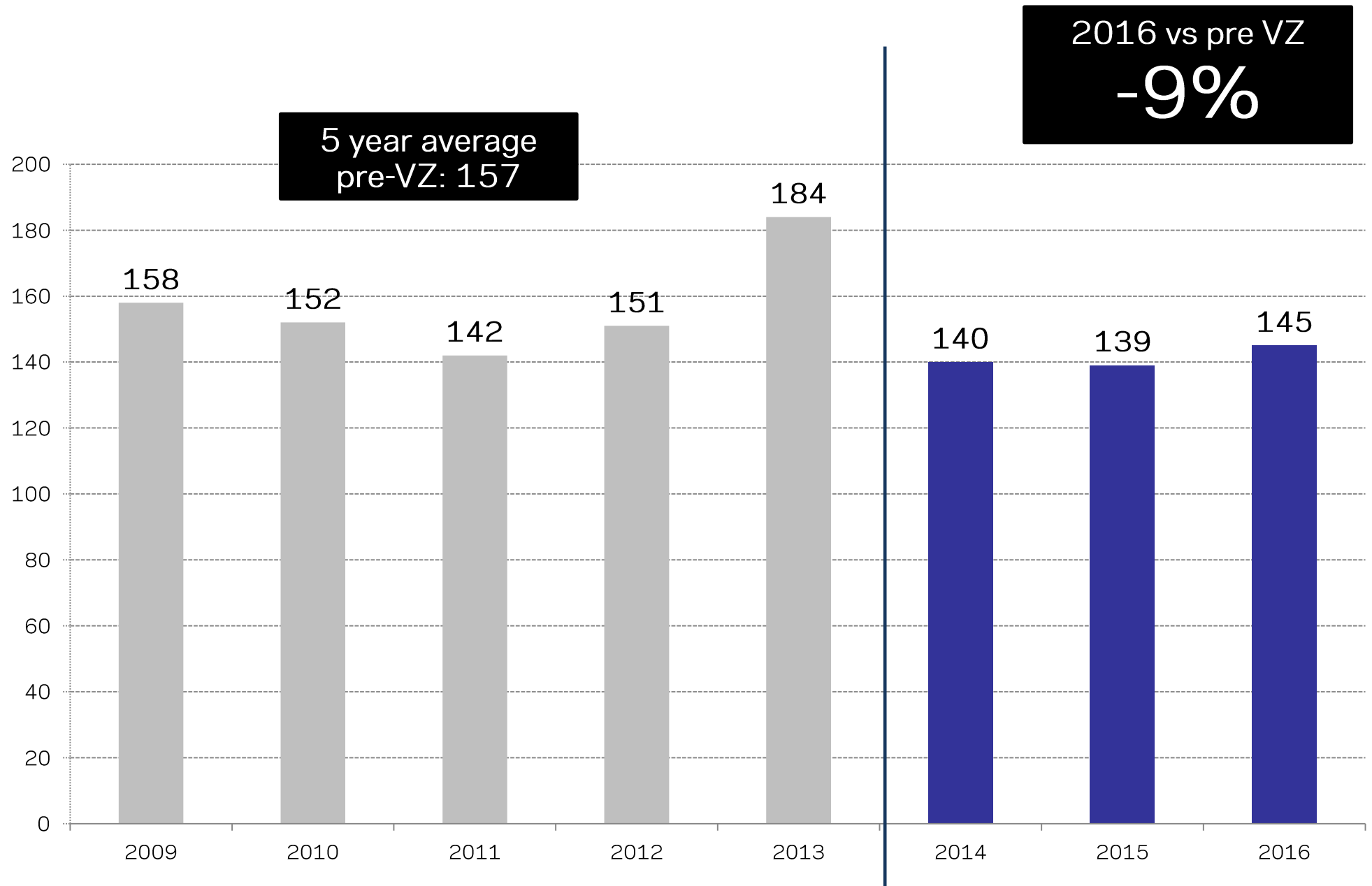


■ Fatalities at non-Priority Locations
■ Fatalities at Priority Locations



Data as of 1/20/17

Pedestrian Fatalities Before & After Vision Zero

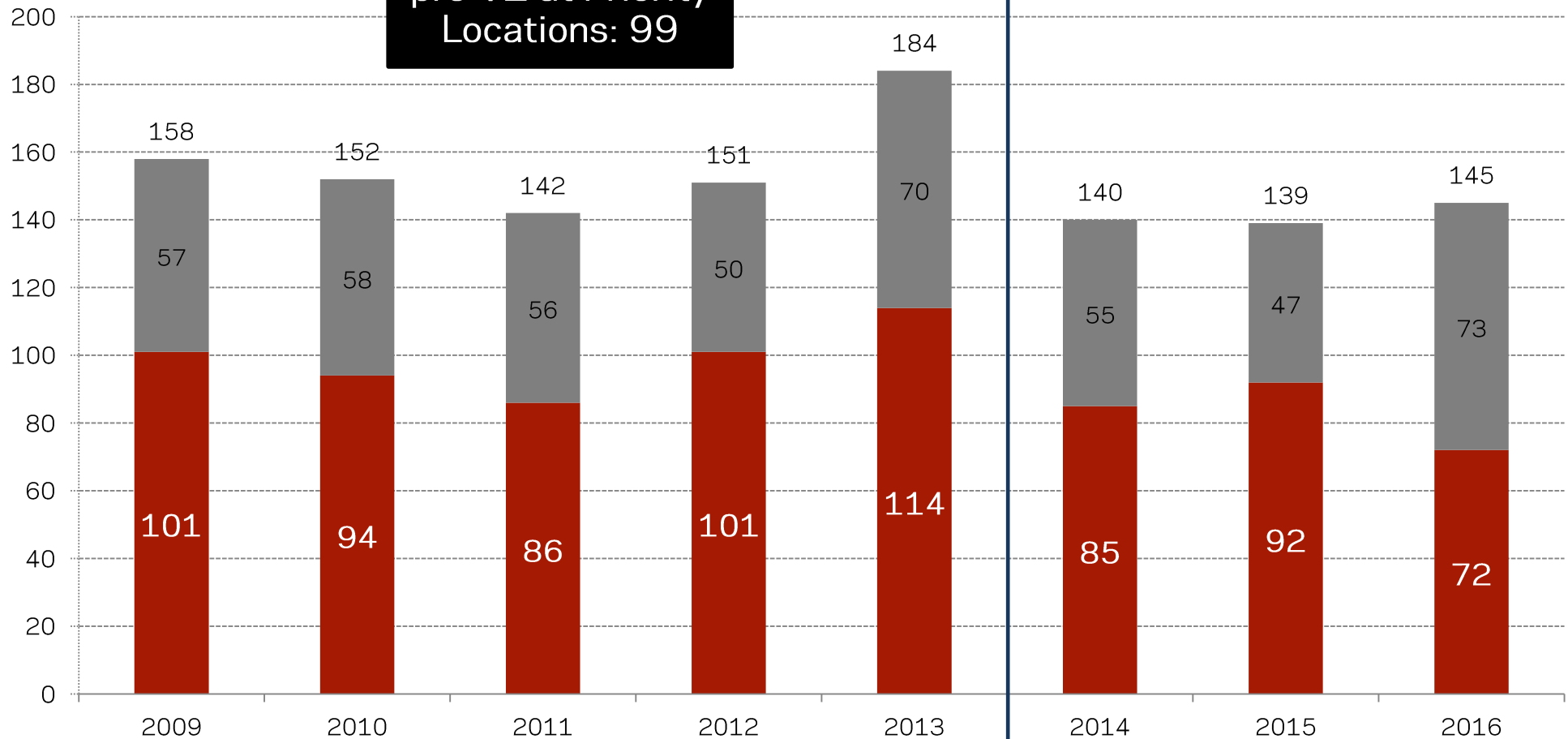


Pedestrian Fatalities Before & After Vision Zero

- Pedestrian fatalities at Priority Locations have fallen 27%, from 99 to 72. Not at Priority Locations, pedestrian fatalities were up 26% in 2016 versus the pre-Vision Zero average (58 vs. 73)

2016 vs pre VZ
at Priority Locations:
-27%

5 year average
pre-VZ at Priority
Locations: 99



■ Fatalities at non-Priority Locations
■ Fatalities at Priority Locations



Data as of 1/20/17

Amsterdam Ave

Manhattan

Parking Protected
Bicycle Lane



Street
Improvement
Project



Before



After

Bay St

Staten Island

Pedestrian Safety Improvements



Street Improvement Project



Before



After

Broadway

W 139 St-W 155 St

Manhattan

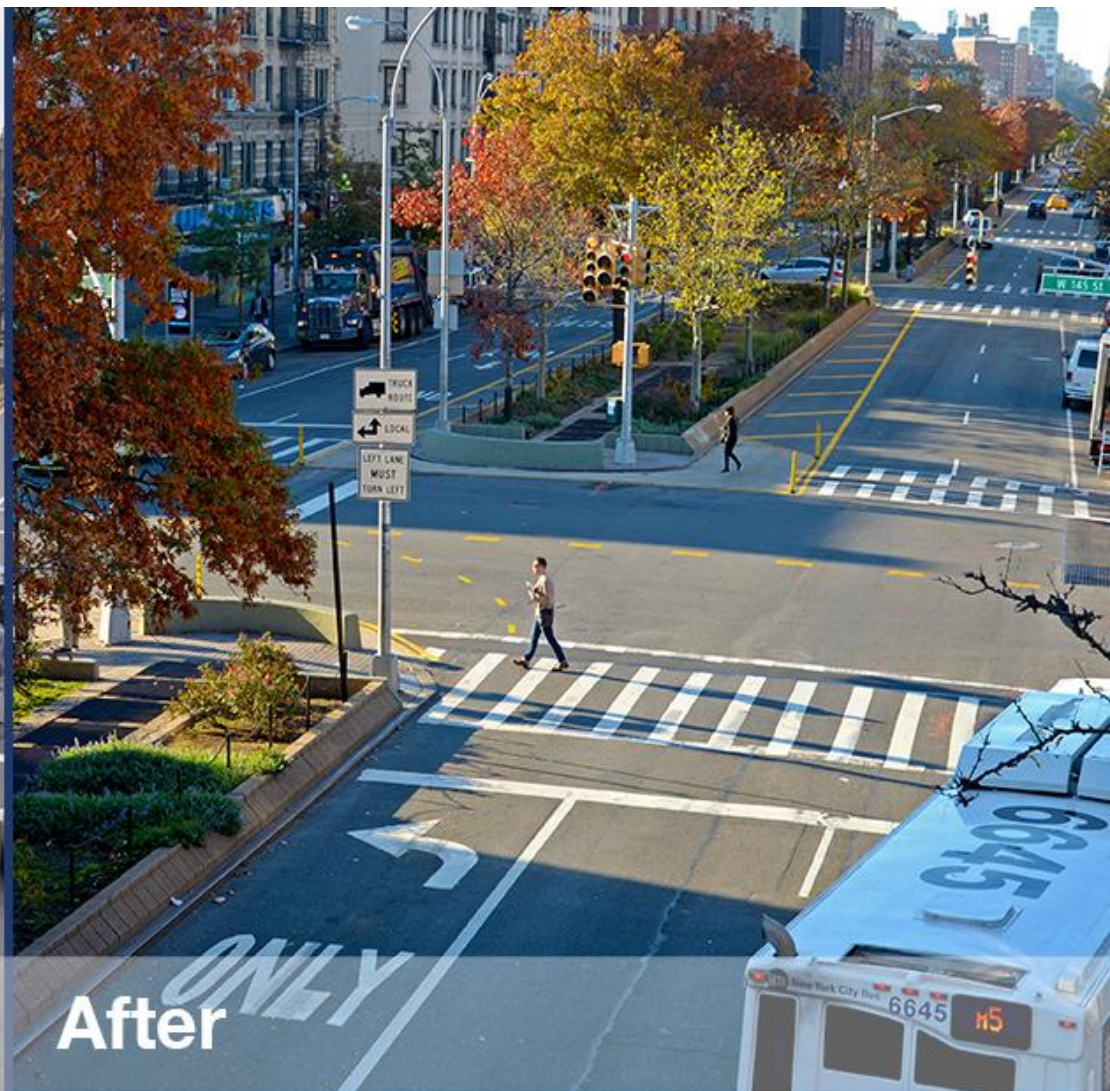
Corridor Safety Improvements



Street Improvement Project



Before



After

Guider Ave at Coney Island Ave

Brooklyn

Corridor
Improvements



Street
Improvement
Project



Jay St

Brooklyn

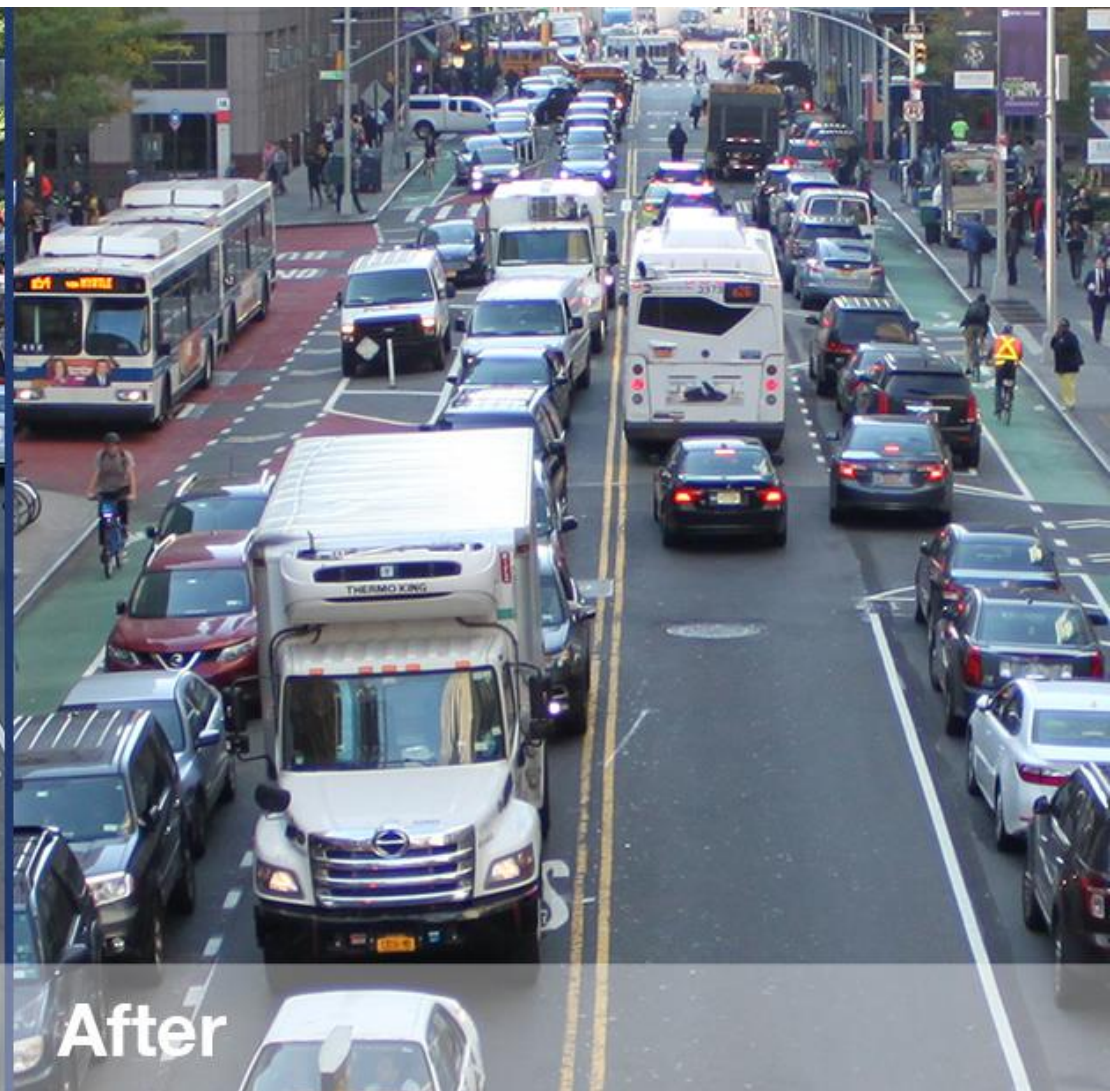
Protected
Bicycle
Lanes



Street
Improvement
Project



Before



After

Linden Blvd

Kings Hwy to Ave D

Brooklyn

Corridor Safety Improvements



Street Improvement Project



Before



After

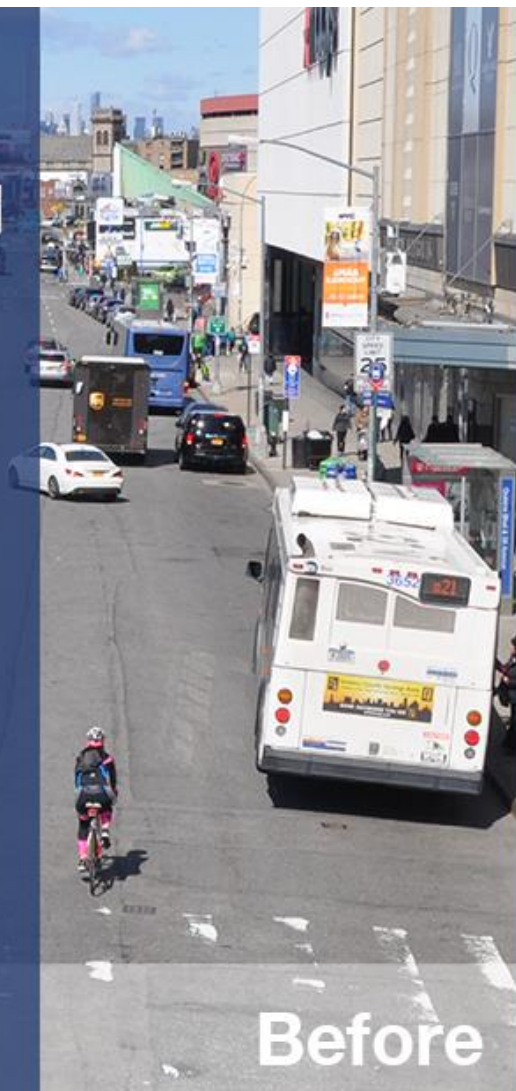
Queens Blvd

Queens

Bicycle Lanes,
Bus Lanes, &
Corridor Safety
Improvements



Street
Improvement
Project



Before



After



After



Before

Rockland Ave,
Travis Ave, &
Nome Ave



Staten Island



Bicycle Lanes



Street
Improvement
Project

138th St & 31st Rd

Queens

Pedestrian Safety
Improvements



Street
Improvement
Project



Before



After

Bruckner Blvd

Bronx

Pedestrian & Bicycle Safety Improvements



Street Improvement Project



Tremont Ave

Bronx

Pedestrian Safety
Enhancements &
Bicycle Lanes



Street
Improvement
Project



Before



After