



DOT & NYPD  
Accomplishments  
2018

# Vision Zero DOT & NYPD Accomplishments

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## Enforcement

- **Failure to Yield**
  - Over 220,000 summonses since the start of Vision Zero
  - Over 50,000 summonses in 2018. More than 5 times the pre-VZ annual average
- **Speeding (Manual)**
  - Nearly 700,000 summonses since the start of Vision Zero
  - Over 150,000 in 2018. Nearly twice from the pre-VZ annual average
- **Speeding (Automated)**
  - More than 5 million Notices of Liability issued since start of Vision Zero
  - More than 1 million Notices of Liability issued in 2018
  - More than 50% of Notices of Liability issued at Priority Locations

## Design

- **Leading Pedestrian Intervals (LPIs)**
  - Nearly 3,000 new LPIs since the start of Vision Zero vs 254 citywide prior to Vision Zero (LPIs began in late 1970s)
  - 869 new LPIs in 2018 vs. pre-VZ annual average of 16
  - 1,954 LPIs on Priority Corridors & 142 LPIs at Priority Intersections since the start of Vision Zero
  - 301 LPIs in Senior Pedestrian Focus Areas in 2018
- **Corridor Safety Retiming**
  - 560 miles since the start of Vision Zero
  - 90 miles of Priority Corridors retimed in 2018
  - 37 miles retimed in Senior Pedestrian Focus Areas
- **Left Turn Traffic Calming**
  - 330 intersections received a treatment since the start of Vision Zero
  - Treatments installed at 113 intersections in 2018 (110 in 2017)
  - More than 250 intersections treated at Priority Locations since start of Vision Zero
- **Turning Safety Signal Treatments**
  - Includes Split Phases, Delayed Turns (Split LPIs) for Ped/Bike, Left Turn Signals & Phases
  - Nearly 200 Turning Safety Signal Treatments since the start of Vision Zero
  - 43 Turning Safety Signal Treatments in 2018
  - Nearly 140 Turning Safety Signal Treatments at Priority Locations since the start of Vision Zero
- **Vision Zero Lighting**
  - Extra lighting fixtures added at locations where injuries were higher in darkness
  - Nearly 1100 locations completed since the start of Vision Zero
  - More than 850 in Priority Locations since start of Vision Zero
  - 93 locations in 2018

# Vision Zero DOT & NYPD Accomplishments

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## Design (continued)

- **Total Safety Projects**
  - Over 460 total safety engineering projects completed since the start of Vision Zero
  - In 2018, 139 projects completed, more than triple the pre-VZ annual average
  - 386 safety engineering projects completed at Priority Locations since start of Vision Zero (97 in 2018)
- **Protected Bicycle Lane Miles**
  - Over 80 miles of Protected Bike Lanes installed since start of Vision Zero
  - Over 20 miles installed in 2018, more than triple the pre-VZ annual average
- **Dedicated Bicycle Lane Miles**
  - More than 235 miles of dedicated cycling space (conventional and protected bicycle lanes) installed since start of Vision Zero
  - In 2018, 55 miles of dedicated cycling space (conventional and protected bicycle lanes) installed, more than double the pre-VZ annual average
- **Speed Reducers**
  - Nearly 1,900 new speed humps & speed cushions since the start of Vision Zero
  - More than 360 new in 2018, nearly double the pre-VZ annual average
  - Over 500 new speed reducers installed in Priority Areas since start of Vision Zero
- **Bus Safety & Operations**
  - 27 projects implemented in 2018 that enhance bus safety & operations (13 in 2017)
  - 261 Leading Pedestrian Intervals (LPis) installed at bus turn locations (223 since start of Vision Zero, 49 in 2018)

## Safety Education

- NYPD & DOT Street Teams visited over 600 Priority Locations since start of Vision Zero (nearly 2 million flyers distributed)
- More than 120 Priority Locations visited in 2018 (nearly 280,000 flyers distributed)
- DOT Safety Education conducted more than 1,500 school visits at Priority Locations since start of Vision Zero
- More than 250 school visits in Priority Locations in 2018
- DOT Safety Education visited more than 350 senior centers at Priority Locations since start of Vision Zero
- Nearly 90 senior center visits in Priority Locations in 2018

## Public Awareness Campaigns

- DOT expanded the Vision Zero “Signs” campaign in 2018
- An annual performance study tracks the impact of Vision Zero advertising across key metrics
- Awareness of Vision Zero increased significantly in 2018 among New York City Residents (69% to 77%) and New York City Drivers (71% to 79%)
- Performance on key metrics remains statistically consistent year-over-year

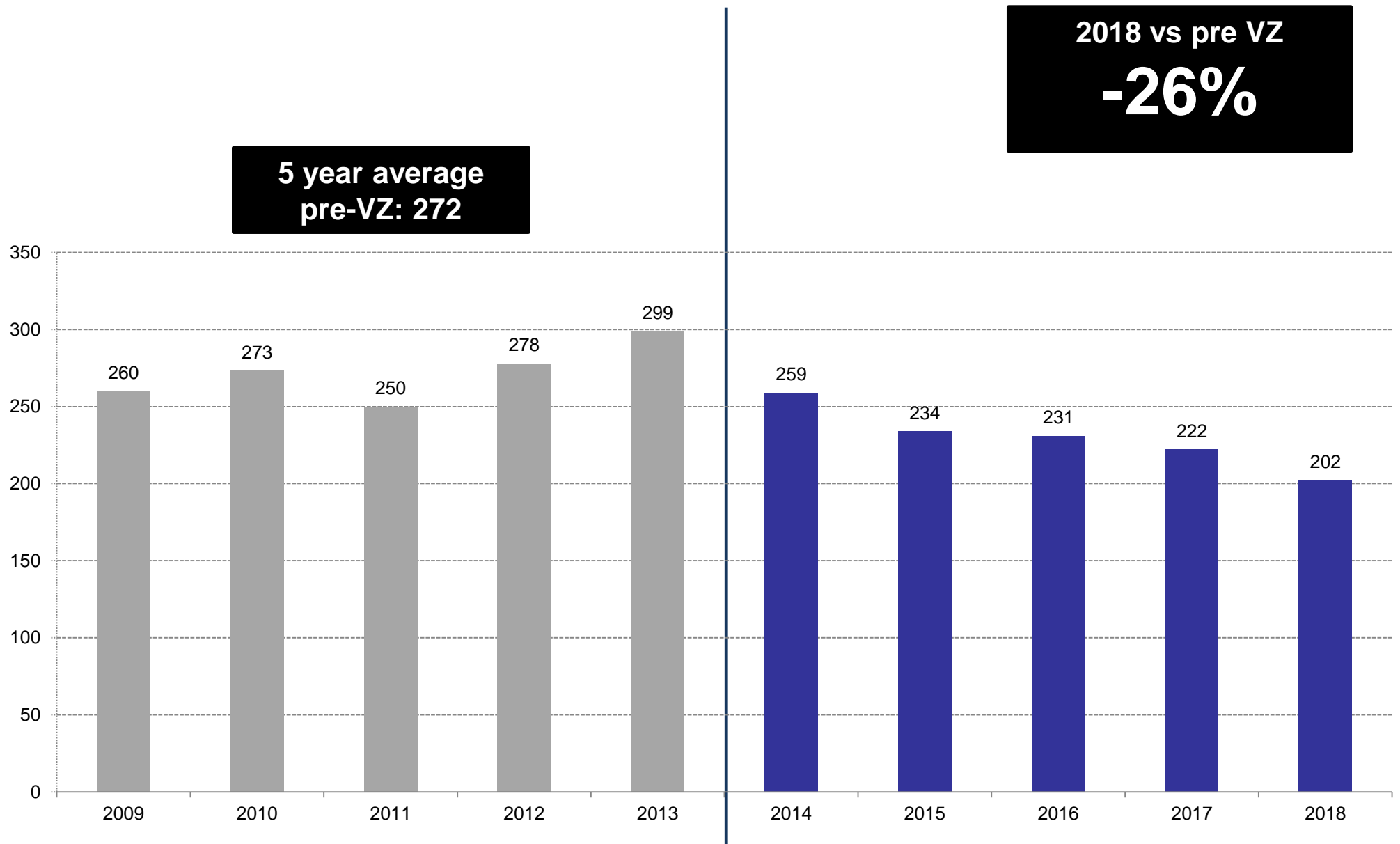


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**Traffic Fatalities**

# All Traffic Fatalities Before & After Vision Zero

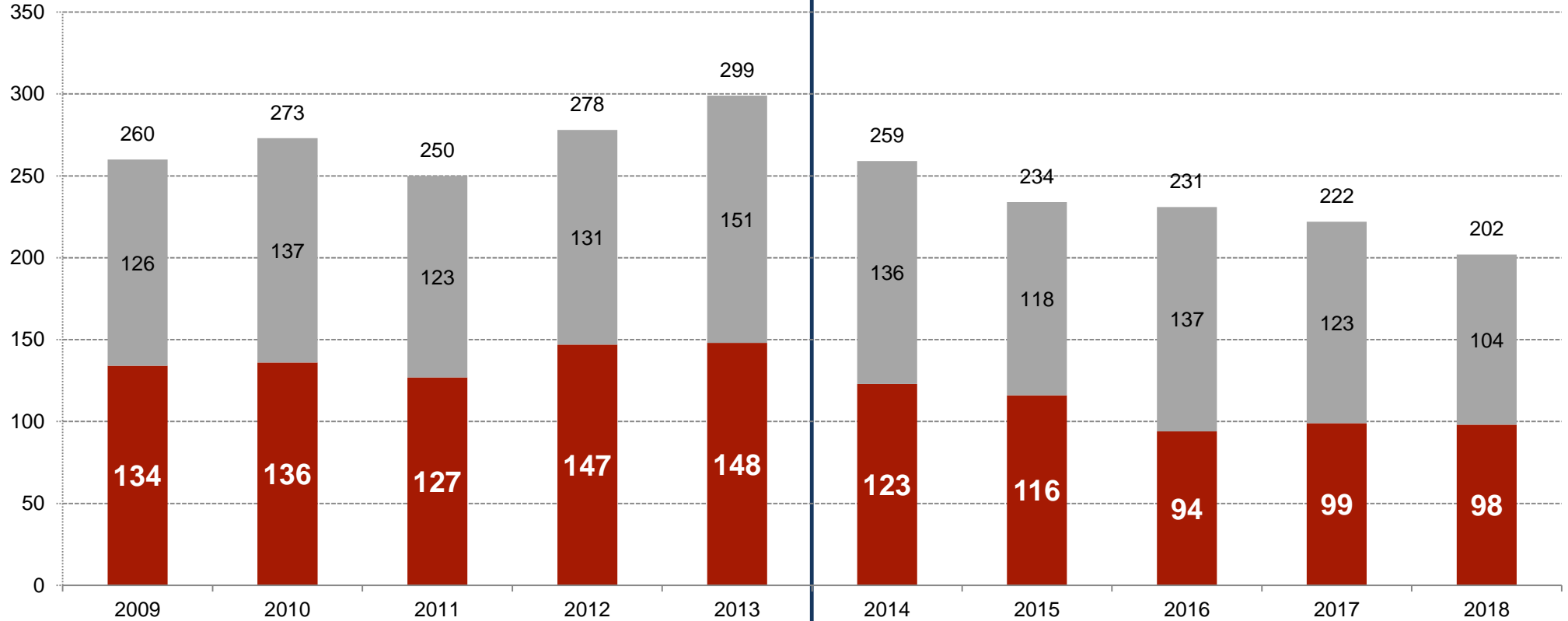


# All Traffic Fatalities Before & After Vision Zero

- Fatalities at Priority Locations have fallen **29%**, from **138** to **98**. Not at Priority Locations, fatalities were down 22% in 2018 versus the pre-Vision Zero average (134 vs. 104)

**2018 vs pre VZ  
At Priority Locations:  
-29%**

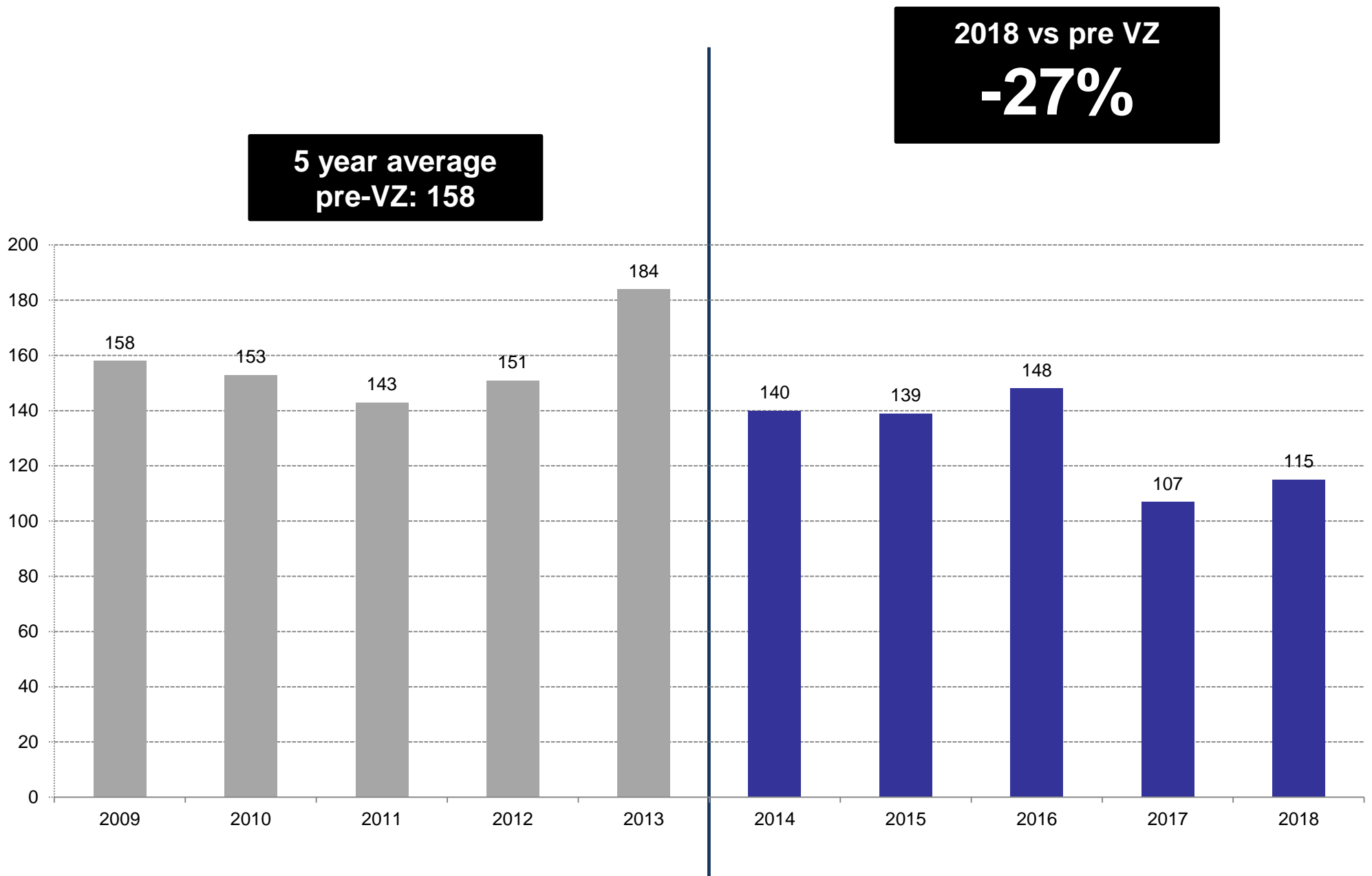
**5 year average  
pre-VZ at Priority  
Locations: 138**



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



# Pedestrian Fatalities Before & After Vision Zero

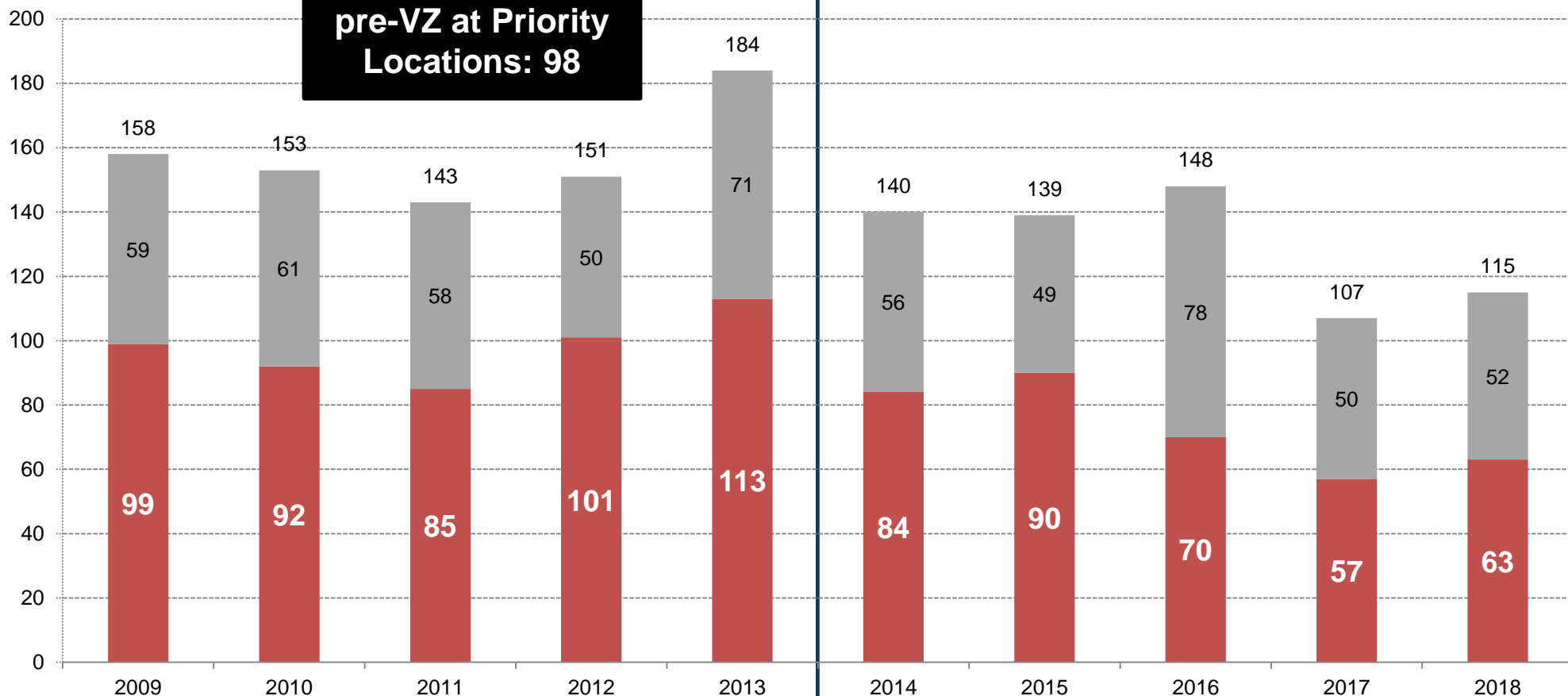


# Pedestrian Fatalities Before & After Vision Zero

- Pedestrian fatalities at Priority Locations have fallen **36%**, from **98** to **63**. Not at Priority Locations, pedestrian fatalities were down 13% in 2018 versus the pre-Vision Zero average (60 vs. 52)

**2018 vs pre VZ  
at Priority Locations:  
-36%**

**5 year average  
pre-VZ at Priority  
Locations: 98**



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







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**Enforcement**

# Failure to Yield

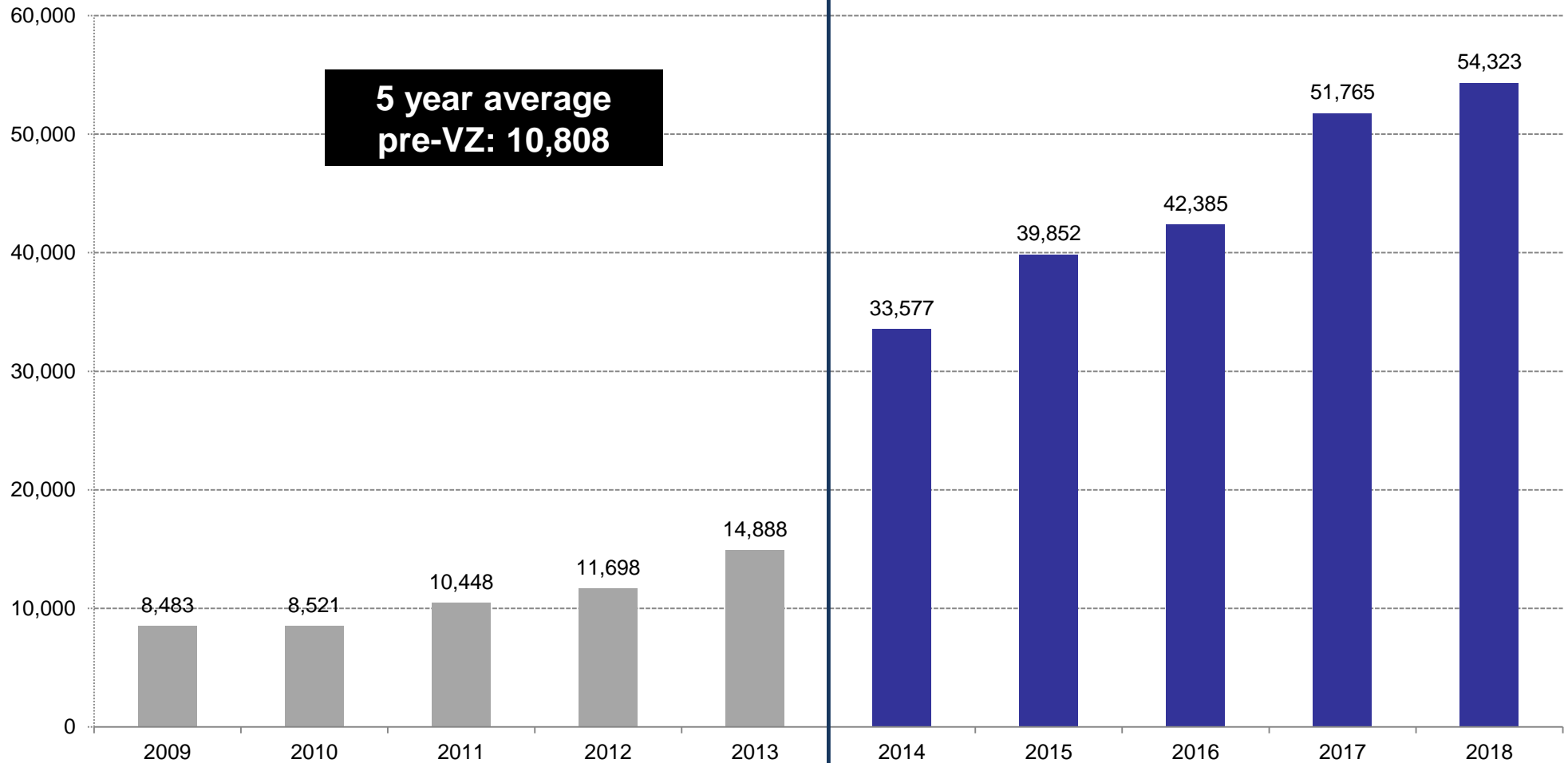
## Summons Before & After Vision Zero

- Over **220,000** summonses since the start of Vision Zero
- Over **50,000** summonses in 2018. More than **5 times** the pre-VZ annual average

2018 vs pre VZ

**+ 403%**

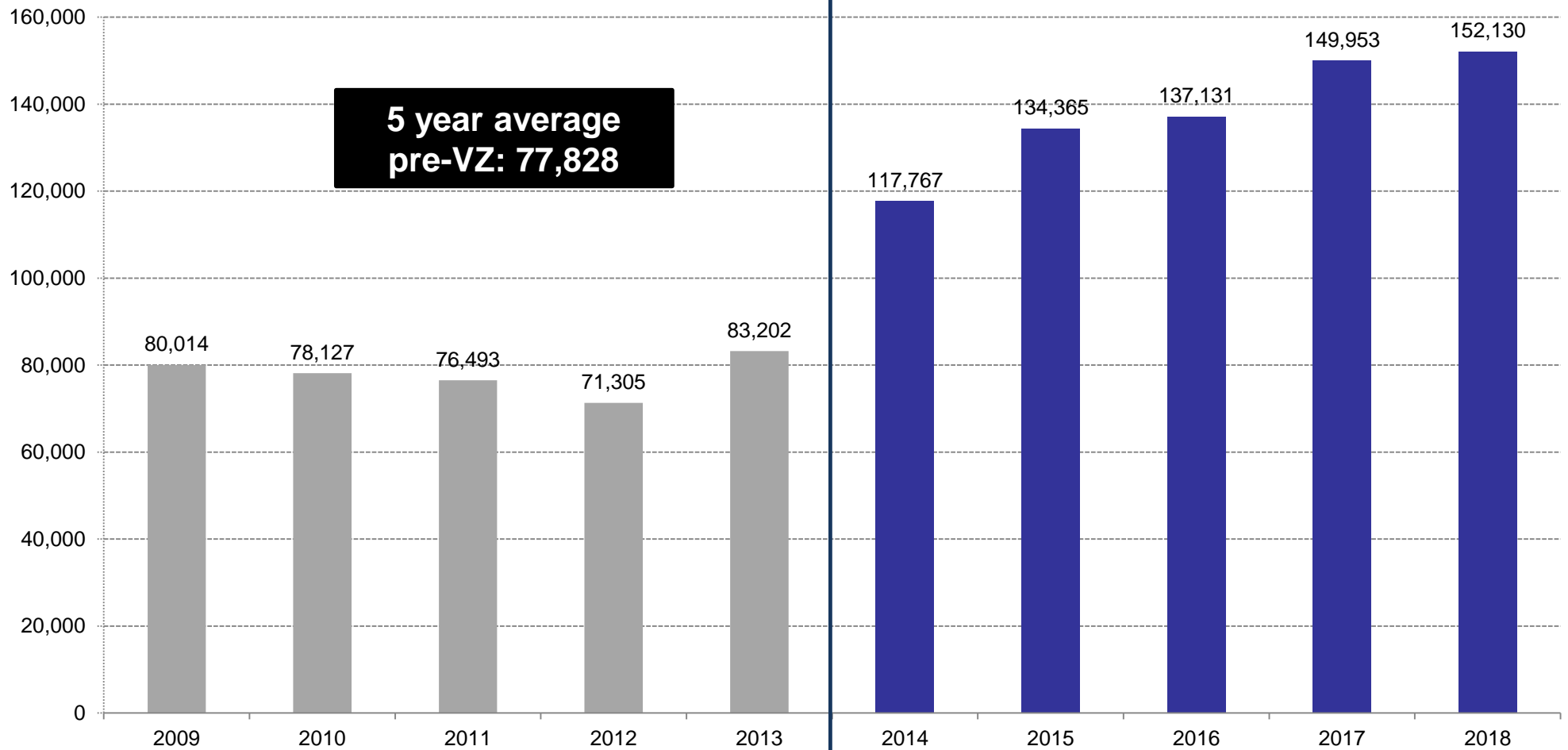
5 year average  
pre-VZ: 10,808



# Speeding Manual Summons Before & After Vision Zero

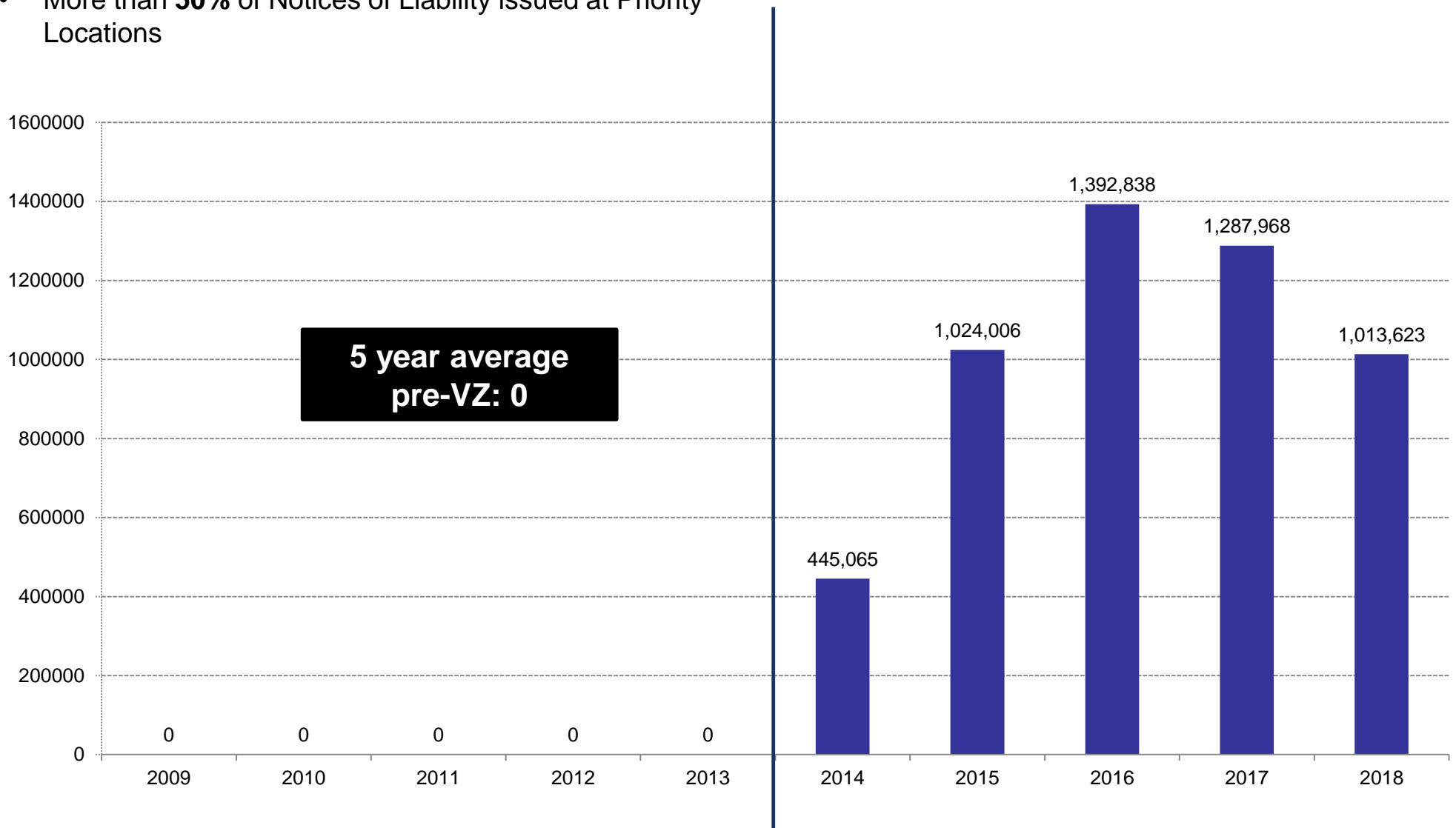
- Nearly **700,000** summonses since the start of Vision Zero
- Over **150,000** in 2018. Nearly twice from the pre-VZ annual average

**2018 vs pre VZ**  
**+95%**



# Speeding Automated Violations Before & After Vision Zero

- More than **5 million** Notices of Liability issued since start of Vision Zero
- More than **1 million** Notices of Liability issued in 2018
- More than **50%** of Notices of Liability issued at Priority Locations





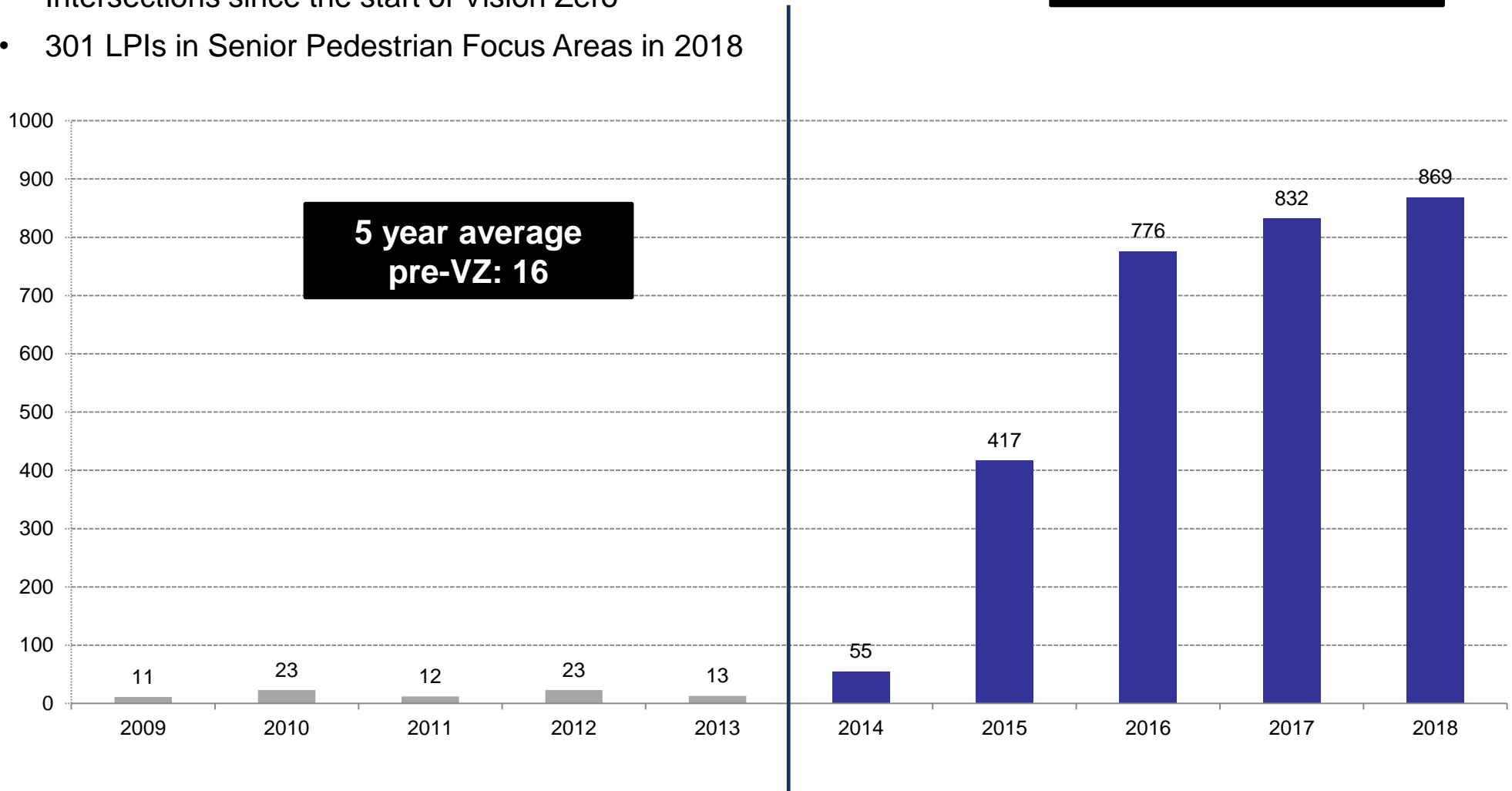
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Design

# Leading Pedestrian Intervals

## Installs Before & After Vision Zero

- Nearly 3,000 new LPIs since the start of Vision Zero vs 254 citywide prior to Vision Zero (LPIs began in late 1970s)
- 869 new LPIs in 2018 vs. pre-VZ annual average of 16
- 1,954 LPIs on Priority Corridors & 142 LPIs at Priority Intersections since the start of Vision Zero
- 301 LPIs in Senior Pedestrian Focus Areas in 2018

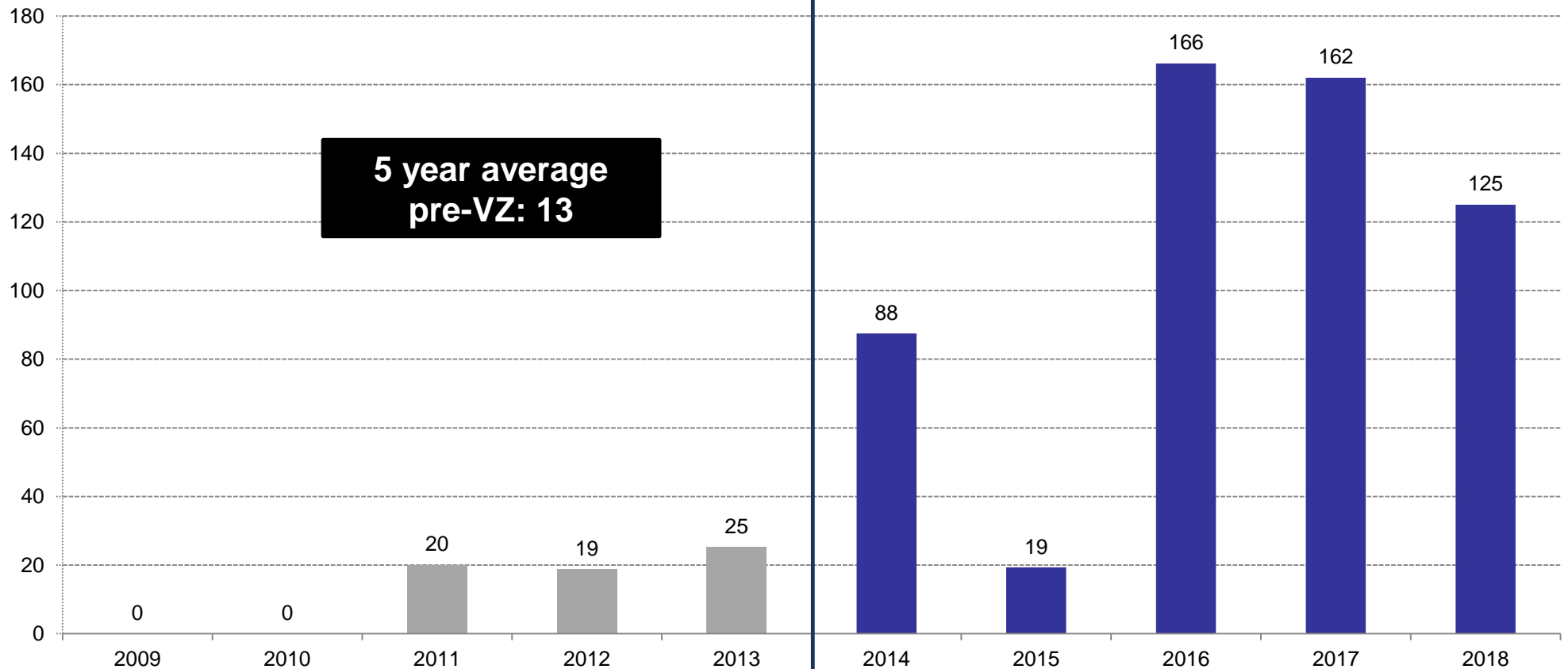
2018 vs pre VZ  
**+5,331%**



# Corridor Safety Retiming Before & After Vision Zero

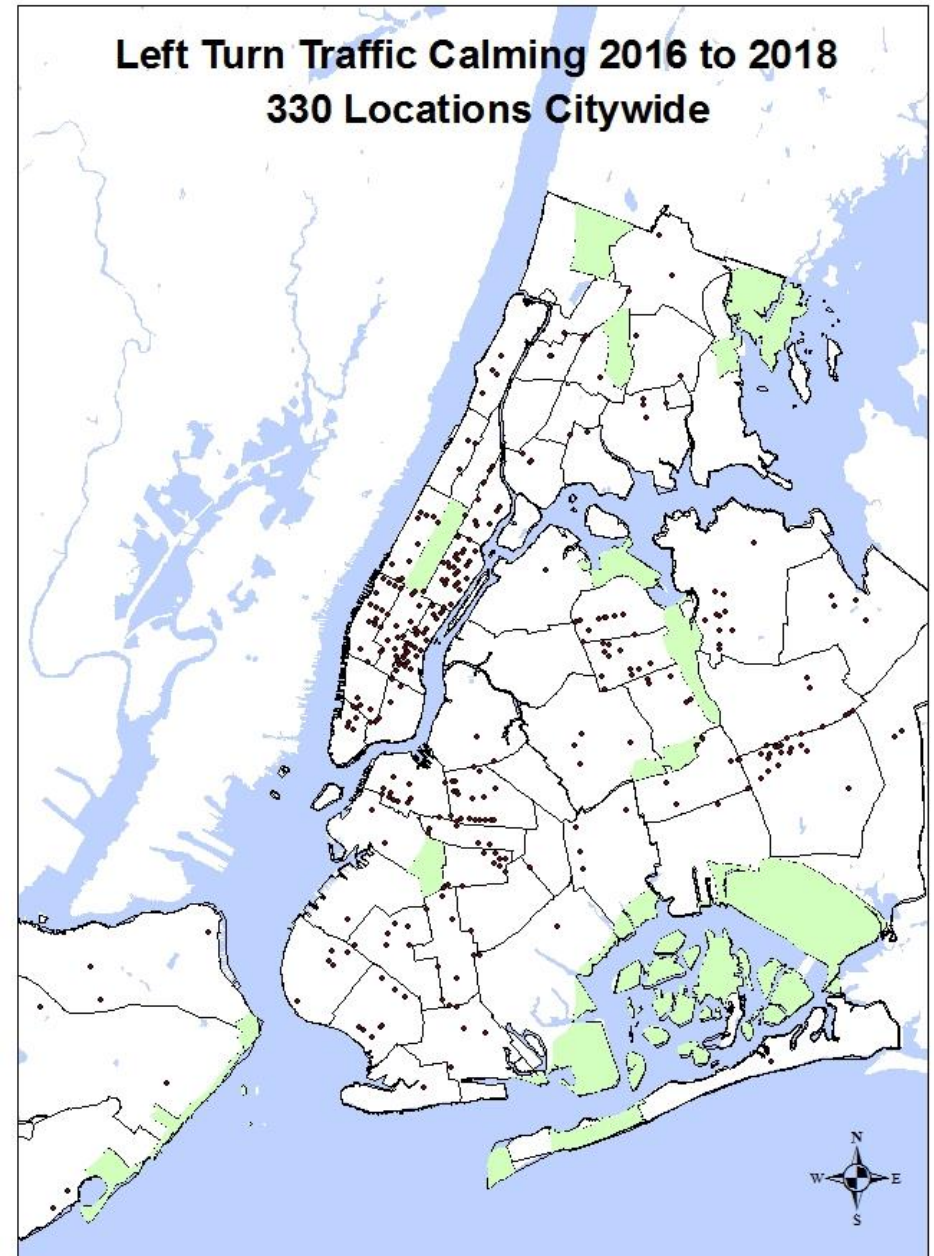
- 560 miles since the start of Vision Zero
- 90 miles of Priority Corridors retimed in 2018
- 37 miles retimed in Senior Pedestrian Focus Areas

2018 vs pre VZ  
**+862%**



# Left Turn Traffic Calming Program

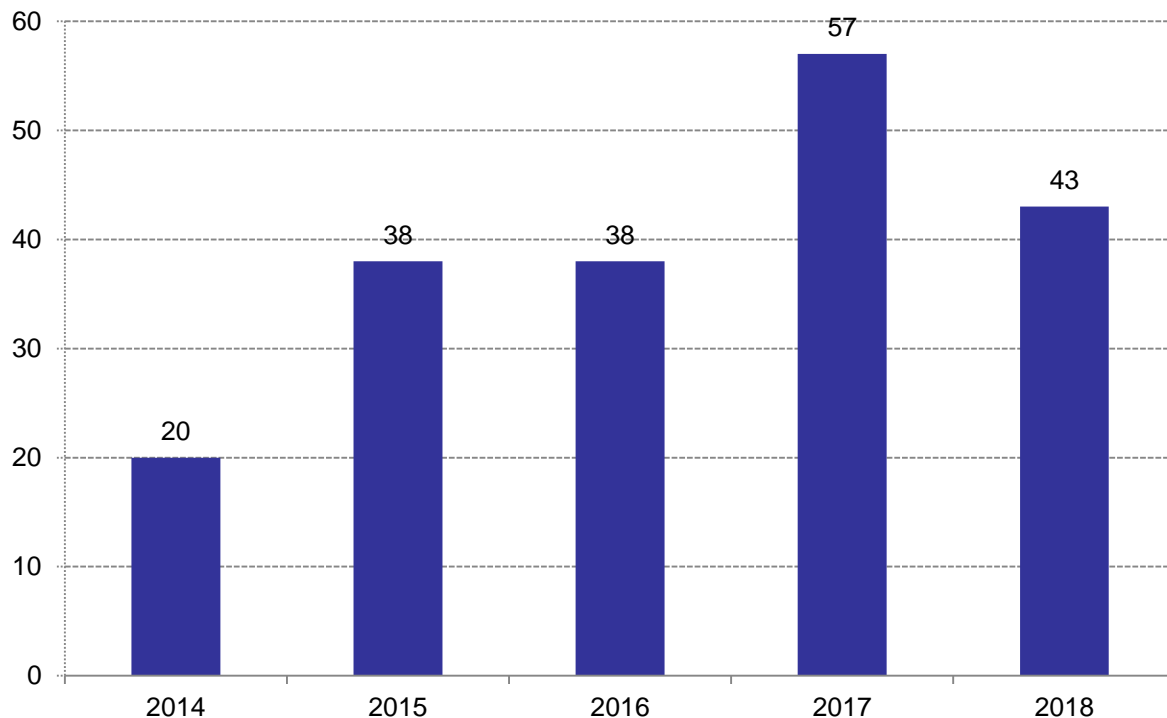
- 330 intersections received a treatment since the start of Vision Zero
- Treatments installed at 113 intersections in 2018 (110 in 2017)
- More than 250 intersections treated at Priority Locations since start of Vision Zero





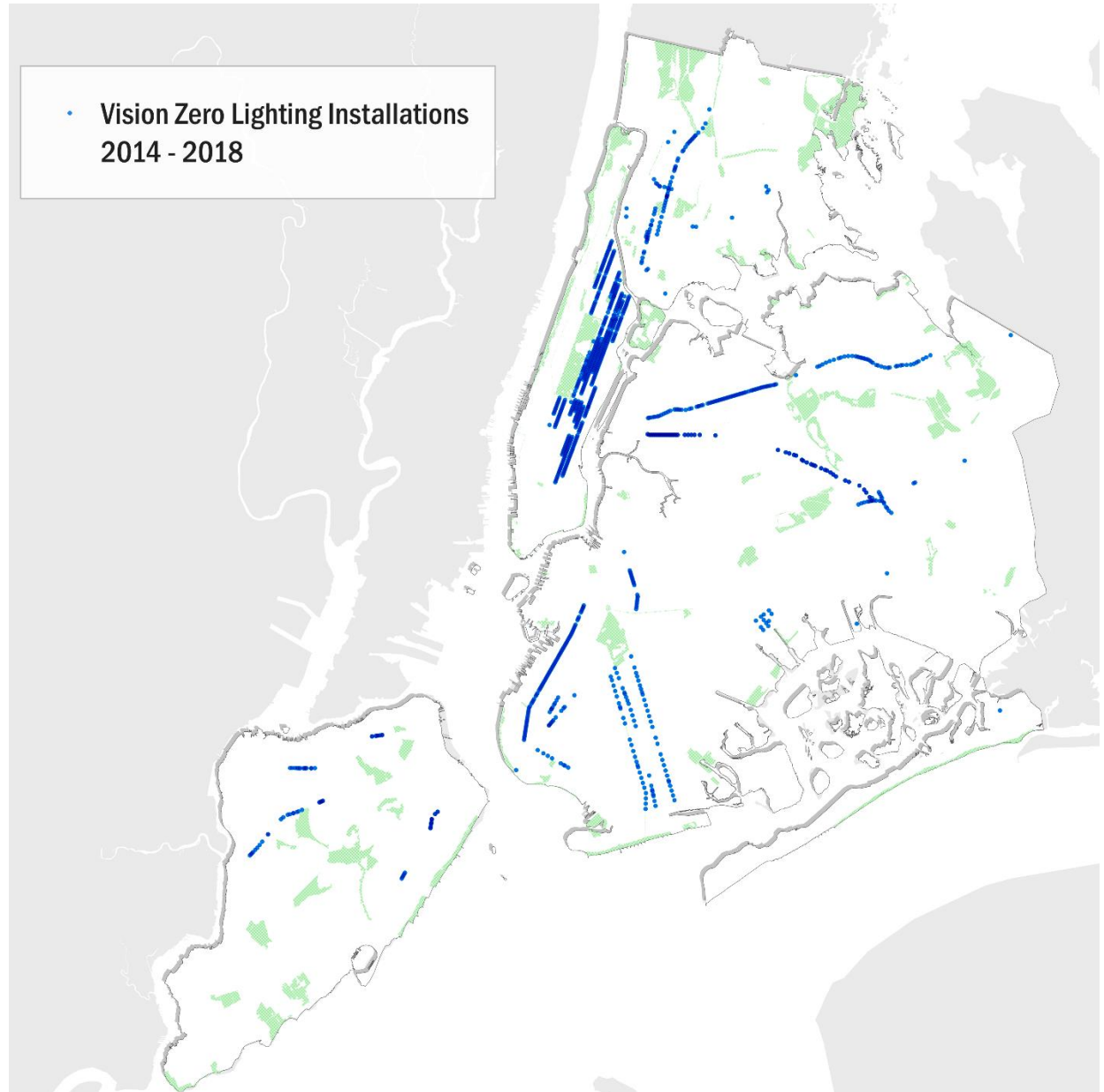
# Turning Safety Signal Treatments Since Vision Zero

- Includes Split Phases, Delayed Turns (Split LPIs) for Ped/Bike, Left Turn Signals & Phases
- Nearly 200 Turning Safety Signal Treatments since the start of Vision Zero
- 43 Turning Safety Signal Treatments in 2018
- Nearly 140 Turning Safety Signal Treatments at Priority Locations since the start of Vision Zero



# Vision Zero Lighting

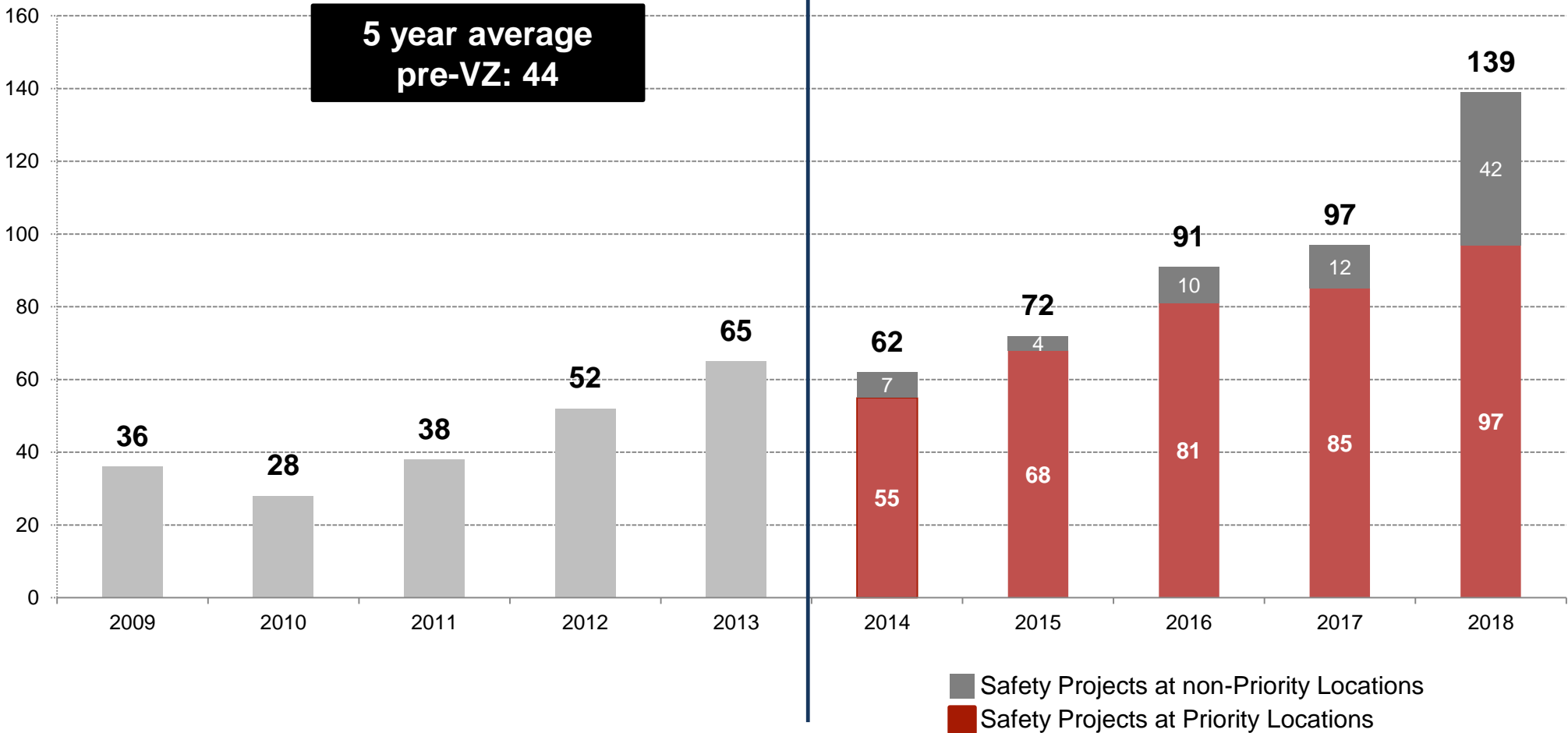
- Extra lighting fixtures added at locations where injuries were higher in darkness
- Nearly 1100 locations completed since the start of Vision Zero
- More than 850 in Priority Locations since start of Vision Zero
- 93 locations in 2018



# Total Safety Projects Before & After Vision Zero

- **Over 460** total safety engineering projects completed since the start of Vision Zero
- In 2018, **139** projects completed, more than **triple** the pre-VZ annual average
- **386** safety engineering projects completed at Priority Locations since start of Vision Zero (97 in 2018)

**2018 vs pre VZ  
+216%**



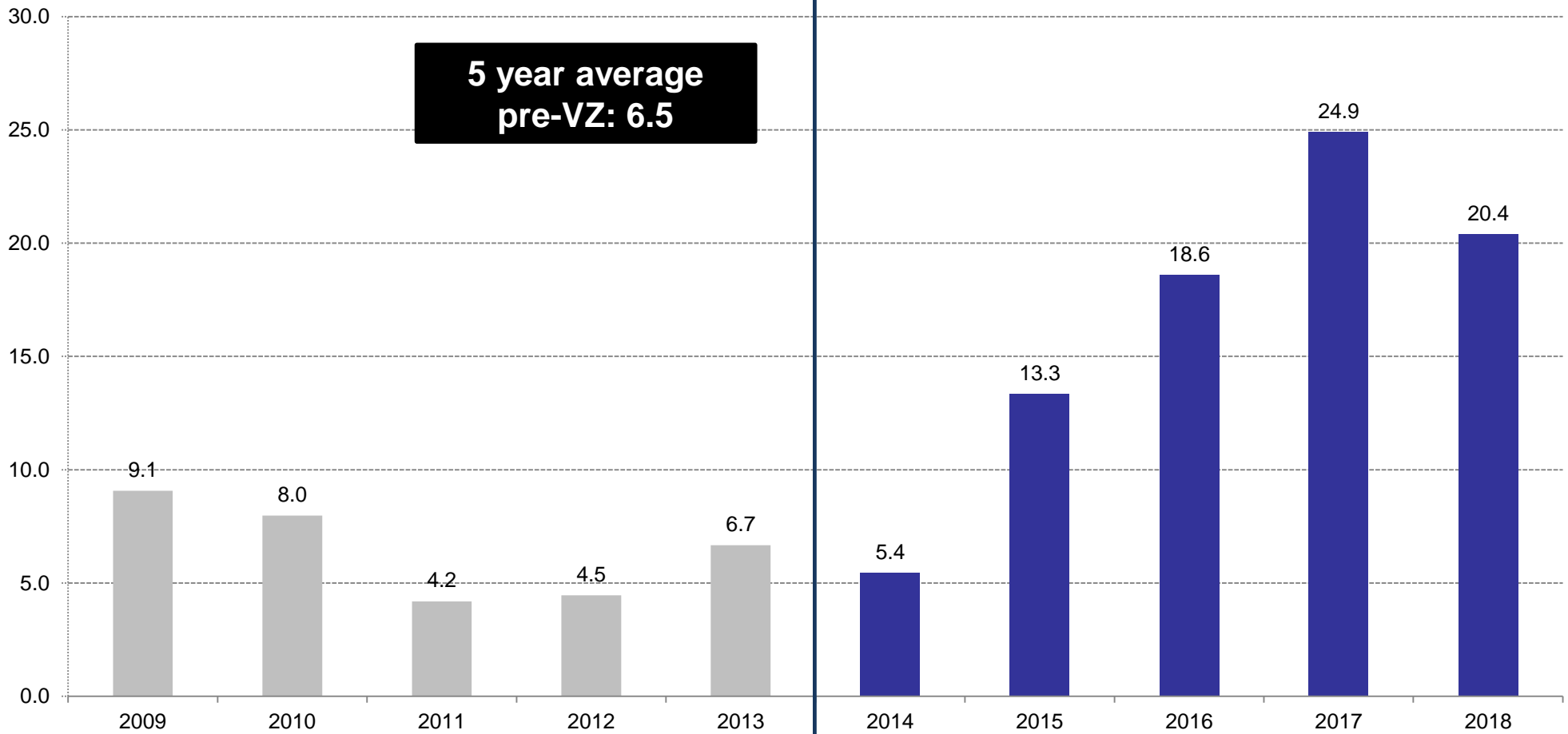
# Protected Bike Lane Miles Before & After Vision Zero

- Over **80** miles of Protected Bike Lanes installed since start of Vision Zero
- **Over 20** miles installed in 2018, more than **triple** the pre-VZ annual average

2018 vs pre VZ

**+214%**

5 year average  
pre-VZ: 6.5

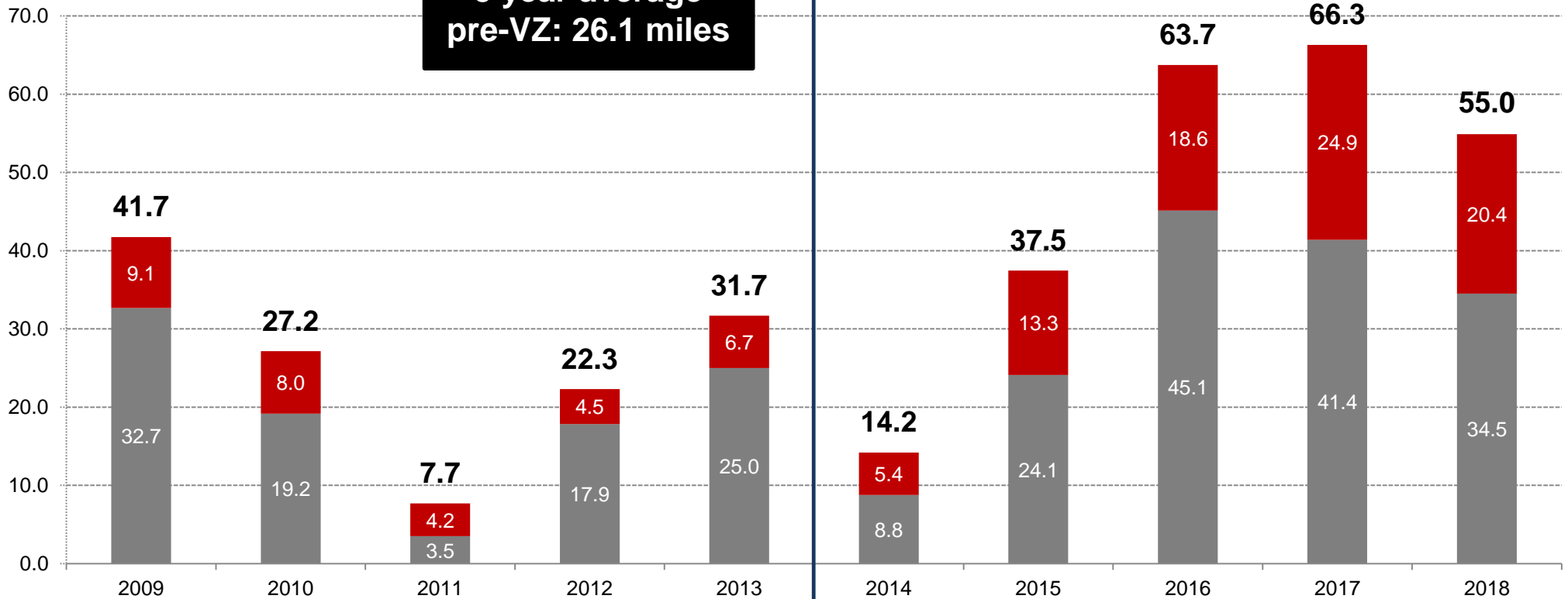


# Dedicated Cycling Space Before & After Vision Zero

- **More than 235 miles** of dedicated cycling space (conventional and protected bicycle lanes) installed since start of Vision Zero
- In 2018, **55 miles** of dedicated cycling space (conventional and protected bicycle lanes) installed, more than **double** the pre-VZ annual average

**2018 vs pre VZ  
+111%**

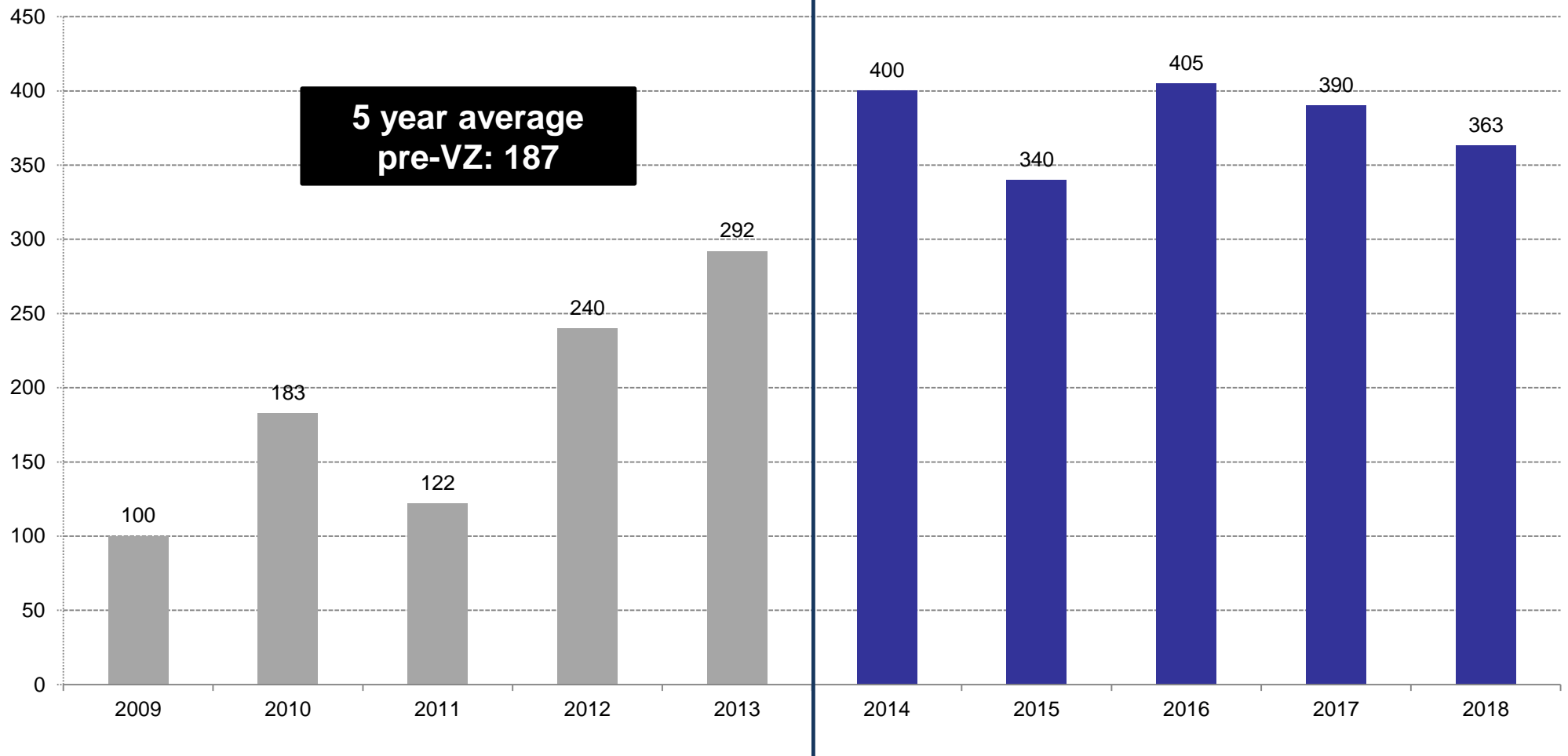
**5 year average  
pre-VZ: 26.1 miles**



■ Protected Bicycle Lanes (miles)  
■ Conventional Bicycle Lanes (miles)

# Speed Reducers Installs Before & After Vision Zero

- Nearly **1,900** new speed humps & speed cushions since the start of Vision Zero
- More than **360** new in 2018, nearly **double** the pre-VZ annual average
- Over **500** new speed reducers installed in Priority Areas since start of Vision Zero





# Bus Safety & Operations

- 27 projects implemented in 2018 that enhance bus safety & operations (13 in 2017)
- 261 Leading Pedestrian Intervals (LPis) installed at bus turn locations (223 since start of Vision Zero, 49 in 2018)

## Completed 2018 Projects

- 10th Ave and 39th St, Manhattan
- 211th St and 23rd Ave, Queens
- 32nd St, 6th Ave to 7th Ave, Manhattan
- 7th Ave, 42nd St to 34 St, Manhattan
- Atlantic Ave and Flatbush Ave, Brooklyn
- Baychester Ave, E 241st St, E 233rd St to Carpenter Ave, Bronx
- Bedford Ave and Nassau Ave, Brooklyn
- Broadway, W 242nd St to Caryl Ave, Bronx
- Driggs Ave and Union Ave, Brooklyn
- E 20th St, 1st Ave to Ave C, Manhattan
- E 98th St, E New York Ave to Hegeman Ave, Brooklyn
- E Fordham Rd and Southern Blvd, Bronx
- Flatbush Ave, Ave U and Ave V, Brooklyn
- Grand Concourse, 156th St to 158th St, Bronx
- Kings Hwy, Bay Pkwy to Ave K, Brooklyn
- Midtown Split Phases, Manhattan
- New Dorp Ln, Mill Rd to Hylan Blvd, Staten Island
- Park Lane S and 115th St, Queens
- Pennsylvania Ave, Flatlands Ave to Seaview Ave, Brooklyn
- Seaview Ave and E 108th St, Brooklyn
- Staten Island Ferry Improvements, Staten Island
- Vanderbilt Ave, Clermont Ave, Brooklyn
- Vernon Blvd, 30th Ave, 8th St and Astoria Blvd, Queens
- Victory Blvd at Arlene St and Sideview Ave, Staten Island
- Westchester Ave, Colgate Ave and Manor Ave, Bronx
- White Plains Rd and Burke Ave, Bronx
- Woodhaven Blvd and Cross Bay Blvd, Queens





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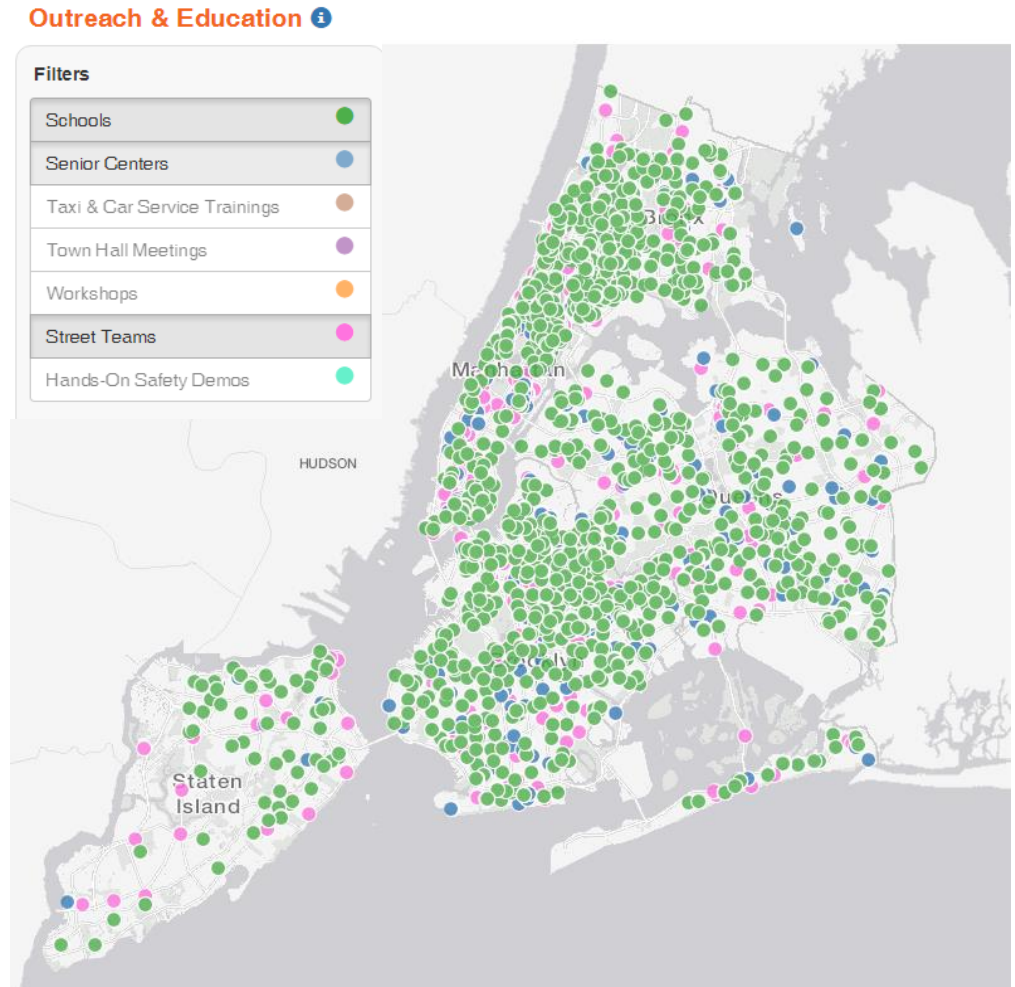
Accomplishments

Safety Education



# Safety Education Since Vision Zero

- NYPD & DOT Street Teams visited over **600** Priority Locations since start of Vision Zero (nearly **2 million** flyers distributed)
- More than **120** Priority Locations visited in 2018 (nearly **280,000** flyers distributed)
- DOT Safety Education conducted more than **1,500** school visits at Priority Locations since start of Vision Zero
- More than **250** school visits in Priority Locations in 2018
- DOT Safety Education visited more than **350** senior centers at Priority Locations since start of Vision Zero
- Nearly **90** senior center visits in Priority Locations in 2018





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Accomplishments

# Public Awareness Campaigns

# “Signs”

- DOT expanded the Vision Zero “Signs” campaign in 2018
  - A :30 television ad brought the “Signs” campaign to life in spring 2018. The ad, two :15, and Spanish versions were produced by DOT, Burson Marsteller, Loveless Creative, Framestore Pictures and directed by cinematographer, Nick Hooker
  - Five new ads, focusing on speeding, turns and dusk visibility aired on drive time radio
  - DOT added new images to the “Signs” outdoor and online ads. New layouts feature cyclists and expand the campaign’s diverse representation of New Yorkers



# “Signs”

- An annual performance study tracks the impact of Vision Zero advertising across key metrics
- Awareness of Vision Zero increased significantly in 2018 among New York City Residents (69% to 77%) and New York City Drivers (71% to 79%)
- Performance on key metrics remains statistically consistent year-over-year



In 2018, DOT analyzed the influence of Vision Zero messaging on male drivers, age 25-54, the primary audience of targeted advertising efforts.

- Awareness of Vision Zero: 2015 – 58%, 2018 – 86%,  $\Delta +28$
- Support of Vision Zero as a valuable government program: 2015 – 80%, 2018 – 87%,  $\Delta +7$
- Campaign encouraged me to be a more responsible driver: 2015 – 64%, 2018 – 82%,  $\Delta +18$
- Campaign made me more supportive of new street designs to increase safety: 2015 – 67%, 2018 – 79%,  $\Delta +12$
- Will give more thought to speed approaching crosswalks: 2015 – 70%, 2018 – 83%,  $\Delta +13$
- Will pay more attention to pedestrians and cyclists: 2015 – 72%, 2018 – 81%,  $\Delta +19$
- Will avoid texting/making calls while driving: 2015 – 71%, 2018 – 85%,  $\Delta +14$
- Campaign made me a more careful pedestrian: 2015 – 68%, 2018 – 79%,  $\Delta +10$
- Campaign made me expect more enforcement of traffic laws: 2015 – 72%, 2018 – 80%,  $\Delta +8$



# Southern Blvd & 179th St Pedestrian Safety Improvements Bronx, 2018







# E. 138<sup>th</sup> St

## Protected Bike Lanes & Pedestrian Safety Improvements

Bronx, 2018





# Broadway (Van Cortlandt Park) Bike Lane & Pedestrian Safety Improvements Bronx, 2018





# Ralph Ave, Marion St, Patchen Ave Pedestrian Safety Improvements Brooklyn, 2018





# Cropsey Ave & Bay 37<sup>th</sup> St Bus Stop & Pedestrian Safety Improvements Brooklyn, 2018





# Seaview Ave & E. 108<sup>th</sup> St Bus Stop, Protected Bike Lanes & Pedestrian Safety Improvements Brooklyn, 2018





# 26<sup>th</sup> St & 29<sup>th</sup> St Protected Bike Lanes Manhattan, 2018







# 7th Ave

## Pedestrian Safety Improvements

### Manhattan, 2018





# 153rd Ave & 88<sup>th</sup> St Roundabout Queens, 2018





# 211<sup>th</sup> St & 23<sup>rd</sup> Ave

## Pedestrian Safety Improvements

Queens, 2018





# Victory Blvd & Arlene St Pedestrian Safety & Bus Stop Improvement Staten Island, 2018

