

Borough Pedestrian Safety Action Plans

UPDATE



2023



White Plains Rd & E 222nd St, Bronx

Executive Summary

This report updates the Priority Locations identified in the 2019 Vision Zero Borough Pedestrian Action Plans with current data and progress on Vision Zero initiatives. Since the Vision Zero initiative was formally launched in February of 2014, the City has worked hard to use every tool available to drive down injuries and fatalities on New York City streets. From dramatically expanding the speed camera program, to doubling the scale of the Citibike program, to pushing through marquee st redesigns like White Plains Rd, 14th St Busway and 34th Ave Open Street, the City has taken an expansive approach to improving safety on New York City streets.

In New York City, from 2014 through 2022:

- Over 800 Safety Street Improvement Projects completed
- Over 5,500 intersections had Leading Pedestrian Intervals (LPis) installed
- Over 1.5 million traffic summonses issued by NYPD for Speeding and Failure to Yield
- Over 20 million automated speed camera violations issued
- Over 900 Vision Zero Priority locations visited by Vision Zero Street Teams
- Over 3,600 school and senior center visits for safety education at Priority Locations

Focusing on the Vision Zero Priority Locations (Corridors, Intersections, Areas) where most pedestrians are killed or severely injured (KSI) in New York City, DOT has continued to strategically direct our resources. In 2019, NYC DOT updated the 2015 Vision Zero Borough Pedestrian Safety Action Plans and identified a new set of Priority Locations. **Since the start of Vision Zero, NYC DOT installed safety engineering improvements at 84% of 2019 Priority Intersections and 74% of the total length of 2019 Priority Corridors.***

As pedestrian fatalities continue to rise nationwide, New York City stands out as an encouraging outlier. Between 2014 and 2021, pedestrian fatalities nationwide increased by over 50%. During that same time period, pedestrian fatalities in New York City declined by 10%. While fatalities have risen in New York City and the rest of the country since 2020, pedestrian fatalities have stayed near historic lows in the city. 2022 saw 119 pedestrian fatalities, the fourth lowest year on record. Pedestrian severe injuries also declined in recent years, with 2022 seeing 17% less severe injuries than 2017**. Although this could be partially due to post-covid changes in traffic and population, traffic has returned to typical volumes in New York City and the declines were in all five boroughs, suggesting that the city has in fact grown safer for pedestrians.

Pedestrian fatalities have also dropped more dramatically at Vision Zero Priority Locations, a promising sign given that the City's safety efforts focused on these locations. In 2022, pedestrian fatalities at Vision Zero Priority Locations were down 23% from the early Vision Zero (2014–2017) average and nearly the same as the prior three-year average (2019–2021).

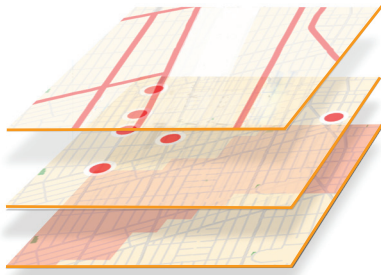
*Safety engineering improvements include Street Improvement Projects (SIP), new traffic signal construction, Turn Calming (TC), Leading Pedestrian Intervals (LPI), and Corridor Safety Signal Retiming.

**2017 is the earliest year of comparable KSI data available



39th Ave, Queens

Priority Corridors, Intersections & Areas



New York City has nearly 6,000 miles of roadway and nearly 47,000 intersections. To focus safety interventions where treatments will have the greatest effect, the City identified the locations where pedestrian deaths and severe injuries are most concentrated. Using pedestrian KSI data from the last five available years (2017-2021), NYC DOT duplicated the process for selecting Priority Corridors, Priority Intersections, and Priority Areas that NYC DOT employed in the 2019 Pedestrian Safety Action Plans (see Priority Geography Methodology in Appendix). Over the next three years, DOT will prioritize the resulting locations for safety interventions—including engineering, enforcement, and education. Actions will follow applicable sections of the 2019 Vision Zero

Borough Pedestrian Action Plans, as well as the recommendations of the Vision Zero or safety sections of recent DOT plans such as Green Wave (2019), Vision Zero Year 7 Report (2021), NYC Streets Plan (2021) and Pedestrian Safety & Older New Yorkers (2022).

To determine the Priority Corridors, NYC DOT ranked all corridors in each borough based on pedestrian KSI per mile. The agency selected corridors from the top of this list until the cumulative number of pedestrian KSI reached at least 50% of the borough's total.

To determine the Priority Intersections, NYC DOT selected the intersections with the highest number of pedestrian KSI that cumulatively account for at least 15% of each borough's total pedestrian KSI. This is a lower percentage than that used for corridors because crashes resulting in pedestrian KSI are spread out widely among 3,109 intersections in New York City and the vast majority of these intersections account for only one pedestrian KSI.

To determine the Priority Areas, NYC DOT transformed the pedestrian KSI crash dataset into a kernel density map—or “heat map”—which indicates where the density of these crashes is highest. The agency determined Priority Areas by identifying the “hottest” areas on the map that, when combined, account for at least half of all of pedestrian KSI in the borough.

For the updated Borough Plans (using 2017-2021 crash data), NYC DOT delisted 42 corridors, added 97, and retained 94, while eight prior corridors were partially retained/delisted. In terms of intersections, the agency delisted 244, added 252, and retained 51. Due to changes in the New York City street map, parts of some previous corridors were split into multiple corridors, while others were combined or extended. As a result, some portions of previous priority corridors were delisted either because of low KSI rates or because the new portions did not meet the minimum length requirements for corridor analysis. Please refer to the Appendix for a full list of partially retained/delisted corridors.

Note on pedestrian KSI data (2017–2021):

During the study period, several changes to the underlying pedestrian KSI data occurred. Starting in 2019, the USDOT mandated following the Model Minimum Uniform Crash Criteria for collecting Serious Injury crashes, causing the inclusion of some injuries not previously classified as serious. In addition, NYC DOT moved from using New York State Department of Transportation/Department of Motor Vehicles crash data to employing data directly supplied from the NYPD. Finally, two years of study data were affected by travel pattern changes stemming from the COVID-19 pandemic. Some combination of these factors has likely led to a destabilizing of longstanding crash patterns, causing more dramatic swings in pedestrian KSI in the study period.

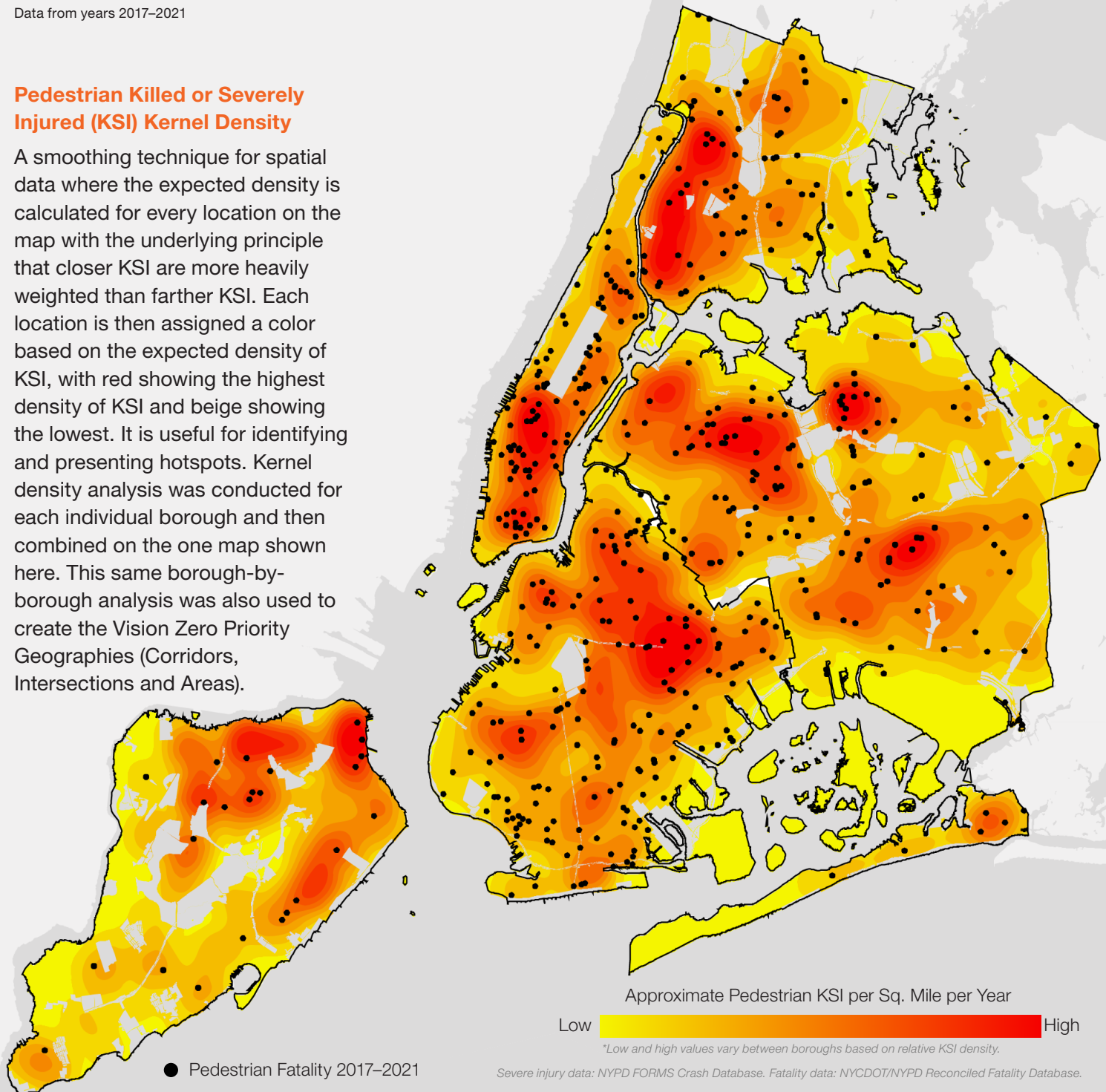
New York City Pedestrian KSI Heat Map & Pedestrian Fatalities

	Pop (2020)	% of Total Pop	Share of Ped KSI	% of Total Ped Fatalities
Bronx	1,472,654	17%	69	14%
Brooklyn	2,736,074	31%	174	34%
Manhattan	1,694,251	19%	99	19%
Queens	2,405,464	27%	145	28%
Staten Island	495,747	6%	24	5%
Combined Total	8,804,190	100%	511	100%

Data from years 2017–2021

Pedestrian Killed or Severely Injured (KSI) Kernel Density

A smoothing technique for spatial data where the expected density is calculated for every location on the map with the underlying principle that closer KSI are more heavily weighted than farther KSI. Each location is then assigned a color based on the expected density of KSI, with red showing the highest density of KSI and beige showing the lowest. It is useful for identifying and presenting hotspots. Kernel density analysis was conducted for each individual borough and then combined on the one map shown here. This same borough-by-borough analysis was also used to create the Vision Zero Priority Geographies (Corridors, Intersections and Areas).



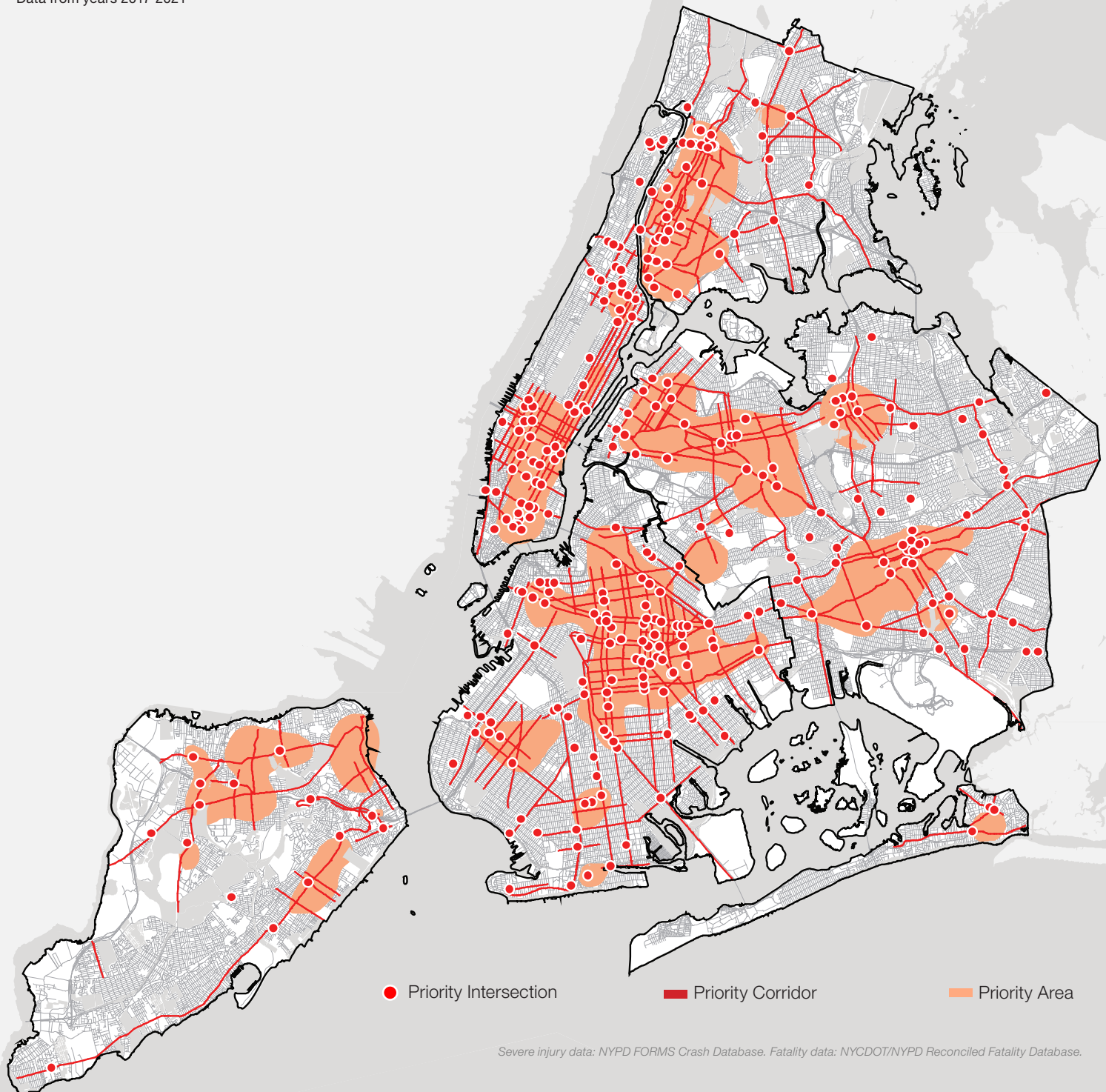
*Low and high values vary between boroughs based on relative KSI density.

Severe injury data: NYPD FORMS Crash Database. Fatality data: NYCDOT/NYPD Reconciled Fatality Database.

New York City Vision Zero Priority Map

Type	Share of City	Citywide	% of the City	Share of Ped KSI	Total Ped KSI	% of Total Ped KSI	% of Total Ped Fatalities
Priority Corridors	531 miles	6012	9 %	2513	-	51 %	50 %
Priority Intersections	303 intersections	41078 intersections	1 %	782	-	16 %	18 %
Priority Areas	67 sq. miles	302 sq. miles	22 %	2562	-	52 %	43 %
Combined Total				3,520	4,936	71%	67%

Data from years 2017-2021



Severe injury data: NYPD FORMS Crash Database. Fatality data: NYCDOT/NYPD Reconciled Fatality Database.



Delisted Priority Corridors and Intersections

- Delisted Intersection
- Intersection Retained
- Delisted Corridor
- Corridor Retained



New Priority Corridors and Intersections

- New Intersection
- Intersection Retained
- New Corridor
- Corridor Retained

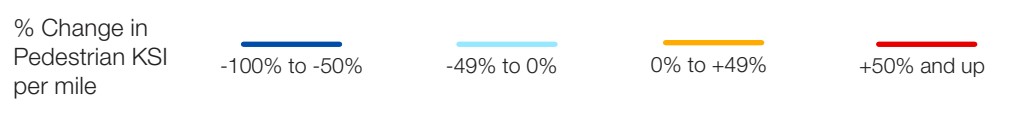
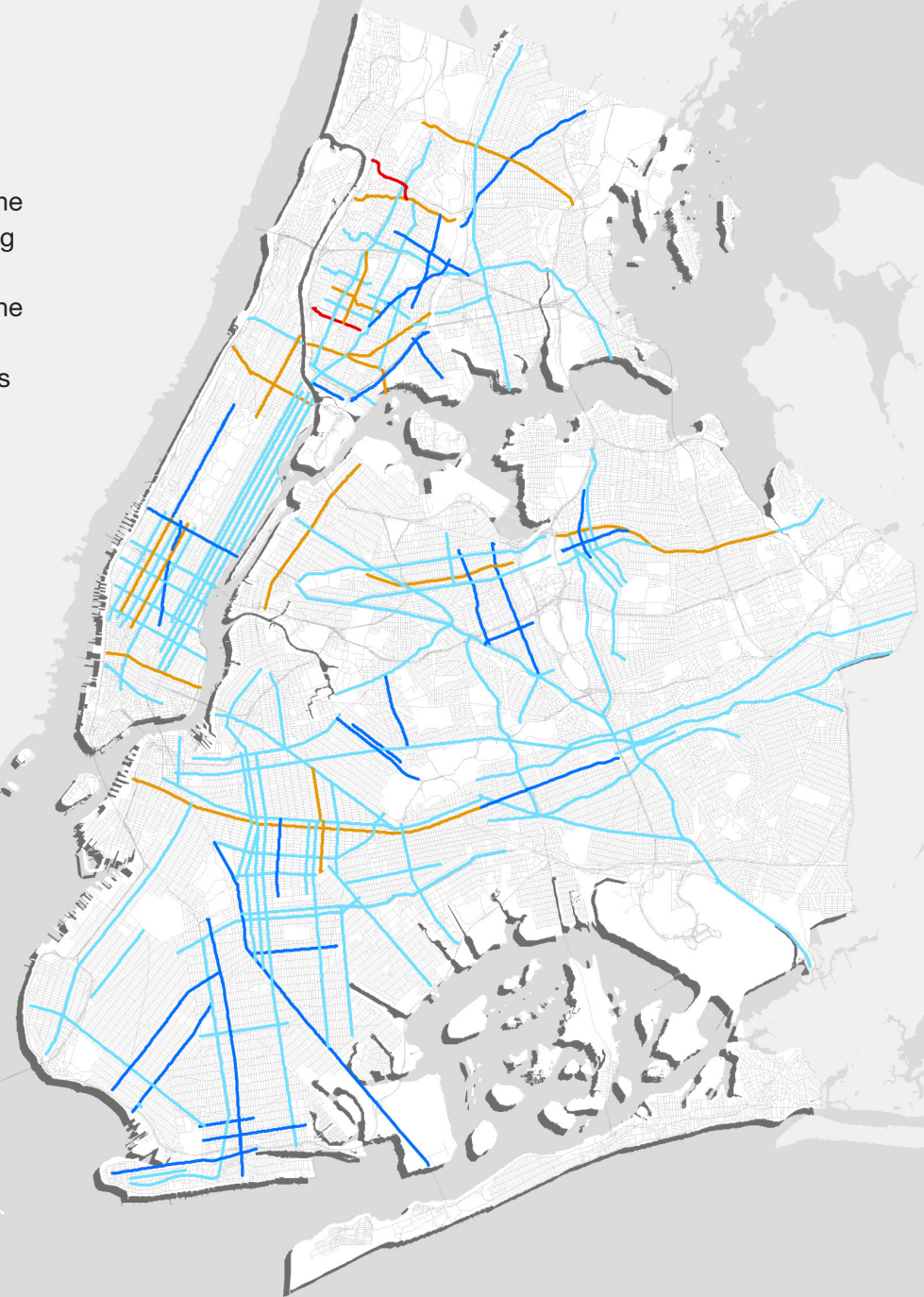
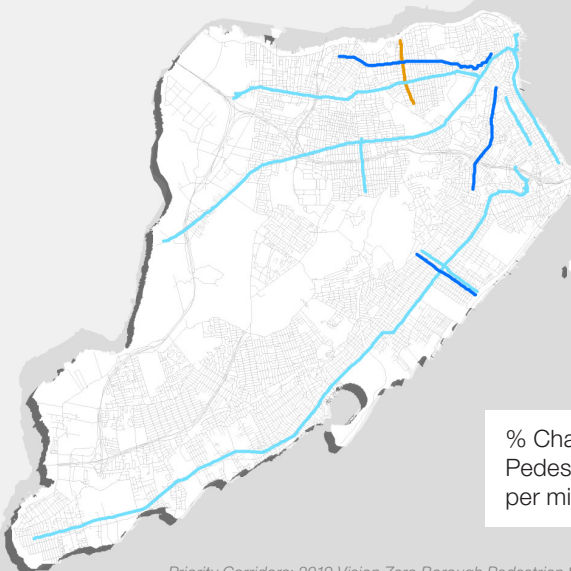
New York City Vision Zero Priority Corridors Change

Between 2012–2016 and 2017–2021, the number of pedestrians killed or seriously injured on 144 Priority Corridors declined 28%

Pedestrian KSI decreased on 121 out of 144 corridors

Tracking Change on Priority Corridors

Pedestrian fatalities dropped sharply at the Vision Zero Priority Locations, a promising sign given that the City focused safety efforts at these locations. Compared to the 2019 report study period, the Bronx experienced a 40% decline in pedestrians killed, Brooklyn, 38%, Manhattan, 45%, Queens, 25% and Staten Island, 38%.



Priority Corridors: 2019 Vision Zero Borough Pedestrian Safety Action Plans, Severe injury data: NYPD FORMS Crash Database. Fatality data: NYCDOT/NYPD Reconciled Fatality Database.



Bronx



Morris Park Ave, Bronx

Bronx

Priority Corridors

Street Name	From	To	Ped Fatalities (2017-2021)	Ped KSI (2017-2021)	Miles	Ped KSI per mile (2017-2021)
Fordham Rd	University Heights Bridge	Bronx River Pkwy	2	38	2.3	16.5
Kingsbridge Rd	Exterior St	E Fordham Rd	0	18	1.2	14.6
149 St	145 St Bridge	Oak Point Ave	1	28	2.1	13.2
161 St	Elton Ave	Jerome Ave	0	14	1.1	12.9
138 St	Exterior St	Locust Ave	4	18	1.6	11.4
167 St	Jerome Ave	Boston Rd	0	13	1.2	11.1
Ogden Ave	Jerome Ave	University Ave	0	11	1.1	10.1
170 St	University Ave	Clay Ave	0	11	1.1	9.8
Westchester Ave	3 Ave	Edgewater Rd	1	18	2	9.1
Westchester Ave	Bronx River Ave	Hugh J Grant Cr	2	11	1.2	8.8
165 St	Jerome Ave	3 Ave	0	9	1	8.8
Gun Hill Rd	Mosholu Pkwy	Stillwell Ave	0	30	3.5	8.5
Grand Concourse	E 138 St	Mosholu Pkwy	4	41	5.3	7.7
Jerome Ave	Sedgwick Ave	E 233 St	4	40	5.7	7.1
Morris Ave	E 161 St	E 175 St	1	11	1.6	7.1
Sheridan Ave	E 161 St	Mt Eden Pkwy	0	8	1.3	6.3
3 Ave	E 138 St	E Fordham Rd	1	26	4.3	6.1
Prospect Ave	Southern Blvd	Crotona Park S	1	6	1	6
Broadway	W 230 St	W 262 St	3	14	2.5	5.5
Valentine Ave	E Kingsbridge Rd	E Tremont Ave	0	7	1.3	5.5
Tremont Ave	Sedgwick Ave	Schurz Ave	6	39	7.2	5.4
White Plains Rd	243 St	Boston Rd	1	21	3.9	5.4
Allerton Ave	Bronx Park E	E Gun Hill Rd	1	10	1.8	5.4
White Plains Rd	Boston Rd	Bronx River Ave	0	18	3.5	5.2
Boston Rd	Bronx Park E	E 233 St	3	17	3.3	5.1
Morris Ave	Grand Concourse	E Fordham Rd	1	6	1.2	5.1
Bronx River Ave	Story Ave	Cross Bronx Expwy	2	6	1.2	5

Bronx

Priority Corridors

Street Name	From	To	Ped Fatalities (2017-2021)	Ped KSI (2017-2021)	Miles	Ped KSI per mile (2017-2021)
Nereid Ave	Webster Ave	Mundy Ln	0	6	1.2	5
Gerard Ave	Major Deegan Expwy	Jerome Ave	0	9	1.8	4.9
Prospect Ave	Southern Blvd	Crotona Park S	0	8	1.6	4.9
169 St	Webster Ave	E 167 St	0	5	1.1	4.6
184 St	Aqueduct Ave E	Arthur Ave	0	5	1.1	4.6
Eastchester Rd	Williamsbridge Rd	Laconia Ave	0	13	2.9	4.4

Bronx

Priority Intersections

Intersection	Ped KSI (2017–2021)	Ped Fatalities (2017–2021)
Sedgwick Ave & W Fordham Rd	7	0
Bruckner Blvd & E 138 St	6	1
Park Ave & E 149 St	6	0
Jerome Ave & E Burnside Ave	5	0
University Ave & W Kingsbridge Rd	5	0
Bruckner Blvd & Hunts Point Ave	4	1
Grand Concourse & E 192 St	4	1
E 149 St & Melrose Ave	4	0
Jerome Ave & Ogden Ave	4	0
Morris Ave & E 165 St	4	0
Park Ave & E Tremont Ave	3	1
Pelham Pkwy & Wallace Ave	3	1
Westchester Ave & Bronx River Ave	3	1
Allerton Ave & Olinville Ave	3	0
E 135 St & Willis Ave Br	3	0
E 161 St & Sheridan Ave	3	0
E 167 St & Webster Ave	3	0
E Fordham Rd & E 188 St	3	0
E Fordham Rd & Marion Ave	3	0
E Gun Hill Rd & Hering Ave	3	0
E Gun Hill Rd & Webster Ave	3	0
E Kingsbridge Rd & Elm Pl	3	0
Grand Concourse & E 149 St	3	0
Grand Concourse & E 158 St	3	0
Grand Concourse & E Kingsbridge Rd	3	0
Morris Ave & E 161 St	3	0

Intersection	Ped KSI (2017–2021)	Ped Fatalities (2017–2021)
Reservoir Ave & W Kingsbridge Rd	3	0
Undercliff Ave & Major Deegan Expwy	3	0
University Ave & W Fordham Rd	3	0
Valentine Ave & E 188 St	3	0
Walton Ave & E 170 St	3	0
White Plains Rd & Nereid Ave	3	0
3 Ave & Morris Ave	2	0
E Fordham Rd & Valentine Ave	2	0
Eastchester Rd & Waters Pl	2	0
Grand Ave & W Fordham Rd	2	0
Grand Concourse & E 167 St	2	0
Macombs Rd & Featherbed Ln	2	0
Morris Ave & E 149 St	2	0
White Plains Rd & Westchester Ave	2	0

Bronx

Change in Priority Corridors

Status	Street	From	To	Ped KSI per mile (2012-2016)	Ped KSI per mile (2017-2021)	Corridor Length (miles)	Change	Change per Status Group
Delisted	165 St	Whitlock Ave	Westchester Ave	4	0	0.2	-100%	-52%
	Soundview Ave	Bruckner Blvd	White Plains Rd	6.6	1.5	1.3*	-77%	
	180 St	Webster Ave	Bronx River Ave	8.1	2.9	1.7	-64%	
	Southern Blvd	Louis Nine Blvd	Fordham Rd	10.8	4.8	2.1*	-55%	
	Boston Rd	3 Ave	Bronx Park E	6.9	3.5	2.6*	-50%	
	Bruckner Blvd	Cypress Ave	Bruckner Expwy	11.3	5.9	3*	-48%	
	3 Ave	Morris Ave	Bruckner Blvd	7.7	7.7	0.3	0%	
Retained	Hunts Point Ave	E Bay Ave	Southern Blvd	12.9	6	1	-54%	-12%
	Boston Rd	E 233 St	Bronx Park E	10.8	5.1	3.3	-53%	
	169 St	E 167 St	Webster Ave	8.4	4.6	1.1	-45%	
	170 St	Clay Ave	University Ave	16.9	9.8	1.1	-42%	
	Grand Concourse	Mosholu Pkwy	E 138 St	12.8	7.7	5.3*	-40%	
	Prospect Ave	Southern Blvd	Crotona Park S	8	4.9	1.6	-38%	
	3 Ave	E 138 St	E Fordham Rd	8.4	6.1	4.3	-28%	
	White Plains Rd	243 St	Boston Rd	7	5.4	3.9*	-25%	
	White Plains Rd	Boston Rd	Bronx River Ave		5.2	3.5*		
	Tremont Ave	Schurz Ave	Sedgwick Ave	6.5	5.4	7.2	-17%	
	165 St	3 Ave	Jerome Ave	9.8	8.8	1	-10%	
	Westchester Ave	Hugh J Grant Cir	Bronx River Ave	9.7	8.8	1.2	-8%	
	138 St	Locust Ave	Exterior St	11.7	11.4	1.6	-3%	
	Gun Hill Rd	Stillwell Ave	Mosholu Pkwy	7.4	8.5	3.5*	15%	
	167 St	Boston Rd	Jerome Ave	9.4	11.1	1.2	18%	
	Morris Ave	E 161 St	E 175 St	5.8	7.1	1.6*	21%	
	149 St	Oak Point Ave	145 St Bridge	9.4	13.2	2.1	40%	
	Westchester Ave	3 Ave	Edgewater Rd	6.3	9.1	2*	45%	
	Fordham Rd	University Heights Bridge	Bronx River Pkwy	11.2	16.5	2.3*	46%	
	Kingsbridge Rd	E Fordham Rd	Exterior St	9	14.6	1.2	62%	
161 St	Jerome Ave	Elton Ave	6.5	12.9	1.1*	99%		

Bronx

Change in Priority Corridors

Status	Street	From	To	Ped KSI per mile (2012-2016)	Ped KSI per mile (2017-2021)	Corridor Length (miles)	Change	Change per Status Group
New	184 St	Aqueduct Ave E	Arthur Ave	8.3	4.6	1.1	-44%	53%
	Nereid Ave	Webster Ave	Mundy Ln	5	5	1.2	0%	
	Jerome Ave	Sedgwick Ave	E 233 St	5.5	7.1	5.7	29%	
	Bronx River Ave	Story Ave	Cross Bronx Expwy	3.3	5	1.2	50%	
	Allerton Ave	Bronx Park E	E Gun Hill Rd	3.3	5.4	1.8	67%	
	Broadway	W 230 St	W 262 St	3.2	5.5	2.5	75%	
	Gerard Ave	Major Deegan Expwy	Jerome Ave	2.7	4.9	1.8	80%	
	Ogden Ave	Jerome Ave	University Ave	5.5	10.1	1.1	83%	
	Eastchester Rd	Williamsbridge Rd	Laconia Ave	2.4	4.4	2.9	86%	
	Valentine Ave	E Kingsbridge Rd	E Tremont Ave	2.4	5.5	1.3	133%	
	Morris Ave	Grand Concourse	E Fordham Rd	1.7	5.1	1.2	200%	
	Sheridan Ave	E 161 St	Mt Eden Pkwy	0.8	6.3	1.3	700%	

For the updated Bronx Borough Plan (using 2017–2021 crash data), NYC DOT delisted five corridors, added 12, and retained 19, while two Priority Corridors were partially retained/delisted. In terms of intersections, the agency delisted 36, added 32, and retained nine. Please refer to the Appendix for a full list of partially retained/delisted Priority Corridors and the list of Priority Corridors delisted due to mapping changes.

Note on percent change on Priority Corridors:

A small number of corridors experienced an unusually large percentage increase in KSI over the study period (2017–2021). This scale of increase was not observed in the previous 2019 update, and typically, traffic injury statistics tend to be fairly stable over time. While the exact reason for this increase is not known, there are a few possible explanations, including changes to crash reporting and data processing, and changes in travel patterns due to Covid. Please refer to the Appendix for a full explanation.

*** Street network changes since the 2019 Borough Plans update led to slight differences in corridor length, as compared to this report.**



White Plains Rd from 243 St to Sunset Blvd was a 2019 Priority Corridor, with six pedestrian fatalities and 7.0 pedestrians killed or severely injured per mile from 2012-2016. Although the street is still considered a Priority Corridor, pedestrian KSI dropped -25% in 2017-2021, with 5.4 pedestrians killed or severely injured and only one pedestrian fatality.

After

**White Plains Rd from Burke Ave to E 241 St
(2021, 2022–planned completion 2023)**

- Bus Boarding Islands
- Signalized Pedestrian Crossings
- Protected Bicycle Lanes
- Painted Pedestrian Refuge Islands
- Turn Bans
- Marking Upgrades





Brooklyn

Brooklyn

Priority Corridors

Street Name	From	To	Ped Fatalities (2017–2021)	Ped KSI (2017–2021)	Miles	Ped KSI per mile (2017–2021)
Malcolm X Blvd	Broadway	Fulton St	0	18	1.1	15.8
Utica Ave	Fulton St	Ave S	4	41	4.6	8.9
Rockaway Ave	Broadway	Rockaway Pkwy	4	22	2.5	8.7
Atlantic Ave	Bridge Park Dr	Eldert Ln	7	62	7.3	8.5
Church Ave	E 98 St	37 St	4	34	4	8.5
Eastern Pkwy	Plaza St E	Bushwick Ave	4	33	3.9	8.5
Emmons Ave	E 14 St	Belt Pkwy	1	10	1.3	7.8
Rochester Ave	E New York Ave	Fulton St	0	8	1	7.6
Fulton St	Adams St	Broadway	1	37	4.9	7.5
Ave P	Bay Pkwy	Kings Hwy	1	14	1.9	7.4
Empire Blvd	Flatbush Ave	E New York Ave	1	12	1.7	7.2
Remsen Ave	Utica Ave	Seaview Ave	3	21	3	7.1
Ralph Ave	E 98 St	Broadway	1	13	1.9	7
Nostrand Ave	Flushing Ave	Emmons Ave	5	54	8	6.7
9 St	Gowanus Canal	Prospect Park W	2	8	1.2	6.6
Pennsylvania Ave	Jamaica Ave	Belt Pkwy	3	18	2.8	6.5
Clarkson Ave	Flatbush Ave	Remsen Ave	0	12	1.8	6.5
Glenwood Rd	Flatbush Ave	E 56 St	1	9	1.4	6.5
Ocean Pkwy	Sea Breeze Ave	Church Ave	4	31	4.9	6.4
Mermaid Ave	W 37 St	Stillwell Ave	1	7	1.1	6.2
Court St	Bryant St	Montague St	1	11	1.9	5.9
E New York Ave	Broadway	Pitkin Ave	0	7	1.2	5.9
Rockaway Pkwy	E New York Ave	Ditmas Ave	1	8	1.4	5.8
Knickerbocker Ave	Moffat St	Morgan Ave	0	11	1.9	5.7
Rockaway Pkwy	Shore Pkwy	Ave D	2	10	1.8	5.6
Gates Ave	Fulton St	St Nicholas Ave	1	19	3.5	5.5
65 St	6 Ave	Ave P	1	16	3	5.4

Brooklyn

Priority Corridors

Street Name	From	To	Ped Fatalities (2017–2021)	Ped KSI (2017–2021)	Miles	Ped KSI per mile (2017–2021)
Rogers Ave	Farragut Rd	Dean St	0	15	2.8	5.3
Broadway	Bedford Ave	Jamaica Ave	1	24	4.6	5.2
Rutland Rd	Flatbush Ave	E 98 St	0	11	2.1	5.2
Metropolitan Ave	Grand St	River St	0	10	1.9	5.2
Linden Blvd	Flatbush Ave	Sapphire St	5	28	5.7	5
Ocean Ave	Emmons Ave	Flatbush Ave	4	28	5.5	5
Hegeman Ave	Williams Ave	Fountain Ave	0	7	1.4	5
Marcus Garvey Blvd	Broadway	Fulton St	1	7	1.4	4.9
Flatbush Ave	Grand Army Plaza	Marine Pkwy Bridge	5	39	8	4.8
Throop Ave	Fulton St	Broadway	0	9	1.9	4.8
Ave H	Nostrand Ave	Paerdegat Ave S	1	7	1.5	4.8
Grand St	Rodney St	Metropolitan Ave	3	6	1.2	4.8
Bushwick Ave	Maspeth Ave	Jamaica Ave	5	17	3.6	4.7
New Utrecht Ave	86 St	9 Ave	2	13	2.8	4.7
Blake Ave	E 98 St	Fountain Ave	1	12	2.5	4.7
Schenectady Ave	Fulton St	Winthrop St	0	7	1.5	4.7
Ralph Ave	Ave T	Remsen Ave	1	12	2.6	4.6
Franklin Ave	Wallabout St	Empire Blvd	0	12	2.6	4.6
Howard Ave	E 98 St	Broadway	1	9	2	4.5
Kingston Ave	Winthrop St	Fulton St	0	7	1.5	4.5
Ave X	Boynton Pl	E 15 St	1	5	1.1	4.5
Myrtle Ave	Duffield St	Palmetto St	2	17	3.9	4.4
58 St	1 Ave	16 Ave	1	10	2.3	4.4
11 Ave	86 St	New Utrecht Ave	1	9	2	4.4
Surf Ave	W 37 St	Sea Breeze Ave	1	8	1.8	4.4
St Johns Pl	Plaza St E	E New York Ave	0	12	2.8	4.3
St Marks Ave	Schenectady Ave	Eastern Pkwy	0	5	1.2	4.3
Ave U	Stillwell Ave	Bergen Ave	5	20	4.9	4.1

Brooklyn

Priority Corridors

Street Name	From	To	Ped Fatalities (2017–2021)	Ped KSI (2017–2021)	Miles	Ped KSI per mile (2017–2021)
8 Ave	73 St	39 St	1	7	1.7	4.1
Ave R	Kings Hwy	Gerritsen Ave	0	6	1.4	4.1
Clinton Ave	Atlantic Ave	Flushing Ave	0	5	1.2	4.1
Saratoga Ave	Broadway	E New York Ave	0	5	1.2	4.1
5 Ave	4 Ave	Flatbush Ave	3	22	5.5	4
Bay Pkwy	Ocean Pkwy	Cropsey Ave	3	11	2.8	4
Lafayette Ave	3 Ave	Broadway	1	11	2.8	4
13 Ave	86 St	36 St	2	10	2.5	4
Fountain Ave	Belt Pkwy	Atlantic Ave	1	8	2	4
Ave D	Flatbush Ave	E 57 St	1	7	1.7	4

Brooklyn

Priority Intersections

Intersection	Ped KSI (2017–2021)	Ped Fatalities (2017–2021)
Atlantic Ave & Nostrand Ave	6	1
Atlantic Ave & Rockaway Ave	5	2
Loring Ave & Fountain Ave	5	1
Ocean Pkwy & Ave U	5	1
Malcolm X Blvd & Fulton St	5	0
9 St & 5 Ave	4	2
Emmons Ave & Ocean Ave	4	1
Flatbush Ave & Ave U	4	1
Atlantic Ave & Court St	4	0
Atlantic Ave & Bedford Ave	3	1
Atlantic Ave & Milford St	3	1
E 4 St & Church Ave	3	1
Ocean Pkwy & Brighton Beach Ave	3	1
Ocean Pkwy & Church Ave	3	1
Pennsylvania Ave & Blake Ave	3	1
Rockaway Ave & Belmont Ave	3	1
Atlantic Ave & Clinton St	3	0
Atlantic Ave & Eastern Pkwy	3	0
Atlantic Ave & Utica Ave	3	0
Broadway & Lafayette Ave	3	0
Eastern Pkwy & St Marks Ave	3	0
Flatbush Ave & Ave H	3	0
Flatbush Ave & Farragut Rd	3	0
Flatlands Ave & E 105 St	3	0
Fulton St & Nostrand Ave	3	0
Pennsylvania Ave & Belmont Ave	3	0
Pennsylvania Ave & Fulton St	3	0
Riverdale Ave & Rockaway Ave	3	0

Intersection	Ped KSI (2017–2021)	Ped Fatalities (2017–2021)
Shore Pkwy & Bay Pkwy	3	0
Utica Ave & Church Ave	3	0
Utica Ave & Empire Blvd	3	0
Utica Ave & St Johns Pl	3	0
55 St & 7 Ave	2	1
Ave J & Ocean Ave	2	1
Dekalb Ave & Ashland Pl	2	1
Hamilton Ave & Court St	2	1
Myrtle Ave & Gold St	2	1
Ocean Pkwy & Ave X	2	1
3 Ave & 60 St	2	0
56 St & 5 Ave	2	0
60 St & 8 Ave	2	0
65 St & Gowanus Expwy / 65 St	2	0
65 St & New Utrecht Ave	2	0
85 St & 4 Ave	2	0
86 St & Bay Pkwy	2	0
86 St & Stillwell Ave	2	0
Atlantic Ave & 3 Ave	2	0
Atlantic Ave & Crescent St	2	0
Atlantic Ave & Hoyt St	2	0
Atlantic Ave & Logan St	2	0
Atlantic Ave & Thomas S Boyland St	2	0
Ave M & Ocean Ave	2	0
Ave Y & Nostrand Ave	2	0
Bergen St & New York Ave	2	0
Beverly Rd & Nostrand Ave	2	0
Broadway & Gates Ave	2	0

Brooklyn

Priority Intersections

Intersection	Ped KSI (2017–2021)	Ped Fatalities (2017–2021)
Broadway & Malcolm X Blvd	2	0
Buffalo Ave & Fulton St	2	0
Church Ave & Nostrand Ave	2	0
Clifton Pl & Nostrand Ave	2	0
Coney Island Ave & Ave C	2	0
Coney Island Ave & Ave H	2	0
Coney Island Ave & Ocean View Ave	2	0
E 92 St & Rutland Rd	2	0
E 98 St & Legion St	2	0
E New York Ave & Remsen Ave	2	0
Eastern Pkwy & New York Ave	2	0
Eastern Pkwy & Ralph Ave	2	0
Eastern Pkwy & Rochester Ave	2	0
Eastern Pkwy & Washington Ave	2	0
Flatbush Ave & Ave I	2	0
Flatbush Ave & Glenwood Rd	2	0
Flatlands Ave & Remsen Ave	2	0
Flatlands Ave & Rockaway Pkwy	2	0
Flushing Ave & Knickerbocker Ave	2	0
Flushing Ave & Thornton St	2	0
Franklin Ave & Fulton St	2	0
Ft Hamilton Pkwy & 58 St	2	0
Gates Ave & Nostrand Ave	2	0
Glenwood Rd & Ralph Ave	2	0
Glenwood Rd & Remsen Ave	2	0
Graham Ave & Metropolitan Ave	2	0
Kings Hwy & Ave P	2	0
Kings Hwy & E 12 St	2	0

Intersection	Ped KSI (2017–2021)	Ped Fatalities (2017–2021)
Knickerbocker Ave & Troutman St	2	0
Linden Blvd & Utica Ave	2	0
Malcolm X Blvd & Halsey St	2	0
Mermaid Ave & W 33 St	2	0
Myrtle Ave & Ashland Pl	2	0
Myrtle Ave & Gates Ave	2	0
Myrtle Ave & N Portland Ave	2	0
New York Ave & Clarkson Ave	2	0
Ocean Ave & Church Ave	2	0
Parkside Ave & East Dr	2	0
Prospect Pl & Buffalo Ave	2	0
Quentin Rd & E 16 St	2	0
Ralph Ave & E 88 St	2	0
Ralph Ave & Herkimer St	2	0
Rockaway Pkwy & Rutland Rd	2	0
Rockaway Pkwy & Seaview Ave	2	0
Rockaway Pkwy & Willmohr St	2	0
Schenectady Ave & Empire Blvd	2	0
St Johns Pl & Kingston Ave	2	0
Utica Ave & Clarkson Ave	2	0
Winthrop St & E 98 St	2	0

Brooklyn

Change in Priority Corridors

Status	Street	From	To	Ped KSI per mile (2012-2016)	Ped KSI per mile (2017-2021)	Corridor Length (miles)	Change	Change per Status Group
Delisted	15 St	Sheepshead Bay Rd	Ave S	7.1	0	1.1	-100%	-56%
	Broadway	Kent Ave	Berry St	6.2	0	0.2	-100%	
	Broadway	Berry St	Bedford Ave	11.6	0	0.1	-100%	
	Dahill Rd	Caton Ave	18 Ave	7.6	0.8	1.3*	-90%	
	Flatbush Ave	Fulton St	Grand Army Plaza Oval	19	3.2	1.2*	-83%	
	Troy Ave	Winthrop St	Fulton St	9.2	2	1.5	-79%	
	9 Ave	61 St	37 St	7.6	1.7	1.2	-78%	
	Brooklyn Ave	Winthrop St	Fulton St	7.7	2.6	1.6	-67%	
	Ave Z	Shell Rd	Coyle St	9.6	3.3	2.1	-66%	
	Coney Island Ave	Park Cr	Brightwater Ct	8.4	3.2	5.6*	-62%	
	Neptune Ave	Beach 45 St	Emmons Ave	8.4	3.4	3	-60%	
	Ave M	Dahill Rd	E 34 St	8.9	3.9	1.8	-56%	
	18 Ave	Shore Pkwy	Coney Island Ave	7	3.3	3.3	-53%	
	Fulton St	Adams St	Broadway	7	3.6	2*	-49%	
	86 St	Shore Rd	Mcdonald Ave	6.7	3.4	4.4*	-49%	
	Graham Ave	Driggs Ave	Broadway	7	3.8	1.6	-46%	
	4 Ave	Shore Rd	Flatbush Ave	6.9	3.7	6	-46%	
	Bedford Ave	Flatbush Ave	Manhattan Ave	7.6	4.5	6.5*	-41%	
	Flushing Ave	Nassau St	Seneca Ave	6.8	4	3.3	-41%	
	Gold St	Fulton St	John St	6.8	4	1	-41%	
Livonia Ave	98 St	New Lots Ave	7.2	5.3	1.9	-26%		

Brooklyn

Change in Priority Corridors

Status	Street	From	To	Ped KSI per mile (2012-2016)	Ped KSI per mile (2017-2021)	Corridor Length (miles)	Change	Change per Status Group
Retained	Bay Pkwy	Cropsey Ave	Ocean Pkwy	10	4	2.8*	-60%	-24%
	Ave D	E 57 St	Flatbush Ave	8.4	4	1.7*	-52%	
	Ave X	Boynton Pl	E 15 St	9	4.5	1.1	-50%	
	Myrtle Ave	Duffield St	Palmetto St	8.2	4.4	3.9	-47%	
	Ralph Ave	Remsen Ave	Ave T	8.4	4.6	2.6	-45%	
	Surf Ave	W 37 St	Sea Breeze Ave	7.7	4.4	1.8	-43%	
	8 Ave	39 St	73 St	7	4.1	1.7	-42%	
	Franklin Ave	Wallabout St	Empire Blvd	7.3	4.6	2.6	-37%	
	Eastern Pkwy	Plaza St E	Ralph Ave	14.6	8.5	3.9	-33%	
		Ralph Ave	Bushwick Ave	9.3				
	Rockaway Pkwy	Ditmas Ave	E New York Ave	8.8	5.8	1.4	-33%	
	Linden Blvd	Sapphire St	Flatbush Ave	7.4	5	5.7	-33%	
	Rogers Ave	Farragut Rd	Dean St	7.8	5.3	2.8	-32%	
	Flatbush Ave	Grand Army Plaza	Jamaica Ave	7.1	4.8	8	-32%	
	Pennsylvania Ave	Jamaica Ave	Belt Pkwy	9.4	6.5	2.8	-31%	
	Schenectady Ave	Fulton St	Winthrop St	6.8	4.7	1.5	-30%	
	Empire Blvd	E New York Ave	Flatbush Ave	9.2	7.2	1.7*	-22%	
	Nostrand Ave	Emmons Ave	Flushing Ave	8.6	6.7	8	-22%	
	Mermaid Ave	Stillwell Ave	W 37 St	8	6.2	1.1	-22%	
	Ocean Pkwy	Church Ave	Sea Breeze Ave	8	6.4	4.9	-21%	
	Broadway	New York Ave	Kent Ave	6.5	5.2	4.6	-20%	
	Utica Ave	Fulton St	Ave S	10.4	8.9	4.6	-15%	
	Rockaway Pkwy	Ave D	Shore Pkwy	6.5	5.6	1.8	-14%	
	Church Ave	37 St	E 98 St	9.5	8.5	4	-11%	
	Ralph Ave	Broadway	E 98 St	7	7	1.9	0%	
	Atlantic Ave	Bridge Park Dr	Eldert Ln	7.4	8.5	7.3*	14%	
Rochester Ave	Fulton St	E New York Ave	6.7	7.6	1	14%		
Malcolm X Blvd	Broadway	Fulton St	11.7	15.8	1.1	36%		

Brooklyn

Change in Priority Corridors

Status	Street	From	To	Ped KSI per mile (2012-2016)	Ped KSI per mile (2017-2021)	Corridor Length (miles)	Change	Change per Status Group
New	St Johns Pl	Plaza St E	E New York Ave	6.8	4.3	2.8	-37%	9%
	5 Ave	4 Ave	Flatbush Ave	6.4	4	5.5	-37%	
	13 Ave	86 St	36 St	6	4	2.5	-33%	
	Kingston Ave	Winthrop St	Fulton St	6.5	4.5	1.5	-30%	
	Ave R	Kings Hwy	Gerritsen Ave	5.5	4.1	1.4	-25%	
	Ave U	Stillwell Ave	Bergen Ave	5.1	4.1	4.9	-20%	
	Ocean Ave	Emmons Ave	Flatbush Ave	6	5	5.5	-15%	
	Grand St	Rodney St	Metropolitan Ave	5.6	4.8	1.2	-14%	
	New Utrecht Ave	86 St	9 Ave	5.4	4.7	2.8	-13%	
	E New York Ave	Broadway	Pitkin Ave	6.8	5.9	1.2	-12%	
	65 St	6 Ave	Ave P	6.1	5.4	3	-11%	
	Metropolitan Ave	River St	Grand St	5.8	5.2	1.9	-9%	
	Lafayette Ave	3 Ave	Broadway	4.3	4	2.8	-8%	
	Hegeman Ave	Williams Ave	Fountain Ave	5	5	1.4	0%	
	Ave H	Nostrand Ave	Paerdegat Ave S	4.8	4.8	1.5	0%	
	Howard Ave	E 98 St	Broadway	4.5	4.5	2	0%	
	Saratoga Ave	Broadway	E New York Ave	4.1	4.1	1.2	0%	
	Bushwick Ave	Maspeth Ave	Jamaica Ave	4.4	4.7	3.6	6%	
	Marcus Garvey Blvd	Broadway	Fulton St	4.2	4.9	1.4	17%	
	Ave P	Bay Pkwy	Kings Hwy	5.8	7.4	1.9	27%	
Throop Ave	Fulton St	Broadway	3.8	4.8	1.9	29%		
9 St	Gowanus Canal	Prospect Park W	4.9	6.6	1.2	33%		

Brooklyn

Change in Priority Corridors

Status	Street	From	To	Ped KSI per mile (2012-2016)	Ped KSI per mile (2017-2021)	Corridor Length (miles)	Change	Change per Status Group
New	Rutland Rd	Flatbush Ave	E 98 St	3.8	5.2	2.1	37%	9%
	58 St	1 Ave	16 Ave	3.1	4.4	2.3	43%	
	Rockaway Ave	Broadway	Rockaway Pkwy	6	8.7	2.5	47%	
	Blake Ave	E 98 St	Fountain Ave	3.2	4.7	2.5	50%	
	11 Ave	86 St	New Utrecht Ave	3	4.4	2	50%	
	Gates Ave	Fulton St	St Nicholas Ave	3.4	5.5	3.5	58%	
	Fountain Ave	Belt Pkwy	Atlantic Ave	2.5	4	2	60%	
	Glenwood Rd	Flatbush Ave	E 56 St	3.6	6.5	1.4	80%	
	Court St	Bryant St	Montague St	3.2	5.9	1.9	83%	
	Knickerbocker Ave	Moffat St	Morgan Ave	3.1	5.7	1.9	83%	
	Emmons Ave	E 14 St	Belt Pkwy	3.9	7.8	1.3	100%	
	Remsen Ave	Utica Ave	Seaview Ave	3	7.1	3	133%	
	Clarkson Ave	Flatbush Ave	Remsen Ave	2.7	6.5	1.8	140%	
	St Marks Ave	Schenectady Ave	Eastern Pkwy	1.7	4.3	1.2	150%	
	Clinton Ave	Atlantic Ave	Flushing Ave	0.8	4.1	1.2	400%	

For the updated Brooklyn Borough Plan (using 2017–2021 crash data), NYC DOT delisted 19 corridors, added 37, and retained 28, while one Priority Corridor was partially retained/delisted. In terms of intersections, the agency delisted 83, added 89, and retained 16. Please refer to the Appendix for a full list of partially retained/delisted Priority Corridors and the list of Priority Corridors delisted due to mapping changes.

Note on percent change on Priority Corridors:

A small number of corridors experienced an unusually large percentage increase in KSI over the study period (2017-2021). This scale of increase was not observed in the previous 2019 update, and typically, traffic injury statistics tends to be fairly stable over time. While the exact reason for this increase is not known, there are a few possible explanations, including changes to crash reporting, data processing and pre-COVID travel patterns. Please refer to the Appendix for a full explanation.

*** Street network changes since the 2019 Borough Plans update led to slight differences in corridor length, as compared to this report.**

Brooklyn Case Study: Linden Blvd



Schenck Ave, Brooklyn

Linden Blvd from Sapphire St to Flatbush Ave was a 2019 Priority Corridor, with six pedestrian fatalities and 7.4 pedestrians killed or severely injured per mile from 2012-2016. Although the street is still considered a Priority Corridor, pedestrian KSI dropped -33% in 2017-2021, with 5.0 pedestrians killed or severely injured and five pedestrian fatalities.

After

Linden Blvd at Ashford St and Schenck Ave (2020)

- Concrete Median Tip Extensions
- Marking Upgrades



Schenck Ave, Brooklyn



Manhattan



Broadway, Manhattan

Manhattan

Priority Corridors

Street Name	From	To	Ped Fatalities (2017–2021)	Ped KSI (2017–2021)	Miles	Ped KSI per mile (2017–2021)
7 Ave	Central Park S	W 11 St	5	44	2.4	18.4
Houston St	W St	FDR Dr	0	31	2.1	15.1
9 Ave	W 59 St	W 14 St	1	32	2.2	14.2
125 St	Marginal St	1 Ave	2	29	2.1	14.1
42 St	12 Ave	FDR Dr	0	27	2	13.8
8 Ave	Hudson St	Columbus Cr	4	32	2.5	13
Lenox Ave	Central Park N	W 147 St	4	21	1.9	11.3
23 St	11 Ave	FDR Dr	2	21	1.9	10.8
Ave of the Americas	Franklin St	Center Park S	5	40	3.7	10.7
34 St	12 Ave	FDR Dr	0	21	2	10.7
Canal St	W St	Bowery	2	12	1.1	10.7
York Ave	E 59 St	FDR Dr	1	18	1.7	10.6
145 St	Malcolm X Blvd	Riverside Dr	0	13	1.2	10.6
116 St	Morningside Ave	FDR Dr	2	16	1.6	10
2 Ave	Harlem River Dr	E Houston St	3	63	6.4	9.8
3 Ave	St Marks Pl	E 128 St	5	55	6	9.2
14 St	W St	Ave C	1	20	2.2	9.1
1 Ave	E Houston St	RFK Bridge	3	51	6.2	8.2
Frederick Douglass Blvd	Frederick Douglass Cr	Harlem River Dr	1	20	2.5	8.1
Lexington Ave	Gramercy Park N	E 131 St	2	44	5.5	8
40 St	12 Ave	1 Ave	2	14	1.9	7.4
10 Ave	W St	W 59 St	2	18	2.5	7.1
W St	W 14 St	Battery Pl	1	18	2.6	6.8
49 St	12 Ave	FDR Dr	1	13	2	6.6

Manhattan

Priority Intersections

Intersection	Ped KSI (2017–2021)	Ped Fatalities (2017–2021)
7 Ave & W 42 St	11	0
W St & W Houston St	9	0
Canal St & Forsyth St	5	0
Lenox Ave & W 125 St	4	1
8 Ave & W 49 St	4	0
Nagle Ave & Ft George Hill	4	0
1 Ave & E 116 St	3	1
3 Ave & E 110 St	3	1
8 Ave & W 40 St	3	1
Ave of the Americas & W 23 St	3	1
Bowery & Bayard St	3	1
Broadway & W 230 St	3	1
E 14 St & Union Square E	3	1
1 Ave & E 30 St	3	0
2 Ave & E 14 St	3	0
3 Ave & E 23 St	3	0
9 Ave & W 51 St	3	0
E 125 St & Lexington Ave	3	0
E 23 St & Park Ave S	3	0
E 61 St & York Ave	3	0
E Houston St & Columbia St	3	0
Edgecombe Ave & W 145 St	3	0
FDR Dr & E 34 St	3	0
Frederick Douglass Blvd & W 145 St	3	0
Lexington Ave & E 116 St	3	0
Lexington Ave & E 59 St	3	0
Park Ave & E 86 St	3	0

Intersection	Ped KSI (2017–2021)	Ped Fatalities (2017–2021)
St Nicholas Ave & W 145 St	3	0
W 125 St & Amsterdam Ave	3	0
W 129 St & 5 Ave	3	0
W 204 St & 10 Ave	3	0
3 Ave & E 72 St	2	1
11 Ave & W 34 St	2	0
2 Ave & E 125 St	2	0
2 Ave & E 57 St	2	0
2 Ave & E 58 St	2	0
2 Ave & Queens Midtown Tunnel Appr	2	0
3 Ave & E 32 St	2	0
8 Ave & W 34 St	2	0
9 Ave & W 47 St	2	0
Adam Clayton Powell Jr Blvd & W 135 St	2	0
Amsterdam Ave & W 181 St	2	0
Ave of the Americas & W 14 St	2	0
Ave of the Americas & W 34 St	2	0
Broadway & Chambers St	2	0
Canal St & Centre St	2	0
Canal St & Manhattan Bridge Appr	2	0
Delancey St & Bowery	2	0
Delancey St & Essex St	2	0
Dyckman St & Sherman Ave	2	0
E 14 St & 1 Ave	2	0
E 62 St & 1 Ave	2	0
E Broadway & Pike St	2	0

Manhattan

Priority Intersections

Intersection	Ped KSI (2017–2021)	Ped Fatalities (2017–2021)
E Houston St & Allen St	2	0
E Houston St & Bowery	2	0
E Houston St & Essex St	2	0
Grand St & Chrystie St	2	0
Lenox Ave & W 116 St	2	0
Lenox Ave & W 135 St	2	0
Madison Ave & E 125 St	2	0
St Nicholas Ave & W 125 St	2	0
W 125 St & Frederick Douglass Blvd	2	0
W 145 St & Amsterdam Ave	2	0
W 207 St & 10 Ave	2	0
W Houston St & Varick St	2	0

Manhattan

Change in Priority Corridors

Status	Street	From	To	Ped KSI per mile (2012–2016)	Ped KSI per mile (2017–2021)	Corridor Length (miles)	Change	Change per Status Group
Delisted	57 St	12 Ave	FDR Dr	11.7	4.9	2	-58%	-46%
	Columbus Ave	9 Ave	Morningside Dr	9.3	4.2	2.6	-55%	
	Broadway	Union Sq W	Columbus Cir	10.9	5.5	1.8*	-49%	
	1 Ave	E 127 St	E 125 St	0	0	0.1	0%	
	Canal St	E Broadway	Bowery	14.5	20.7	0.5	43%	
	9 Ave	Greenwich St	W 14 St	8.3	16.5	0.1	100%	
Retained	Ave of the Americas	Franklin St	Central Park S	19.7	10.7	3.7*	-46%	-22%
	14 St	West St	Ave C	16.8	9.1	2.2	-46%	
	Canal St	W St	Bowery	19.6	10.7	1.1	-45%	
	10 Ave	W St	W 59 St	12.6	7.1	2.5	-43%	
	8 Ave	Hudson St	Columbus Cr	20.9	13	2.5	-38%	
	23 St	11 Ave	FDR Dr	16.2	10.8	1.9	-33%	
	42 St	12 Ave	FDR Dr	19.9	13.8	2	-31%	
	3 Ave	St Marks Pl	E 128 St	13.3	9.2	6	-31%	
	1 Ave	E Houston St	Rfk Bridge	11.9	8.2	6.2	-31%	
	2 Ave	Harlem River Dr	E Houston St	13.6	9.8	6.4	-28%	
	York Ave	E 59 St	FDR Dr	13.2	10.6	1.7	-19%	
	Lexington Ave	Gramercy Park N	E 131 St	9.6	8	5.5	-17%	
	34 St	12 Ave	FDR Dr	12.7	10.7	2	-16%	
	9 Ave	W 59 St	W 14 St	14.2	14.2	2.2	0%	
	145 St	Riverside Dr	Malcolm X Blvd	10.6	10.6	1.2	0%	
	7 Ave	Central Park S	W 11 St	17.5	18.4	2.4	5%	
	Lenox Ave	Central Park N	W 147 St	10.3	11.3	1.9*	10%	
	Houston St	West St	FDR Dr	11.8	15.1	2.1*	28%	
125 St	Marginal St	1 Ave	10.9	14.1	2.1	29%		

Manhattan

Change in Priority Corridors

Status	Street	From	To	Ped KSI per mile (2012–2016)	Ped KSI per mile (2017–2021)	Corridor Length (miles)	Change	Change per Status Group
New	49 St	12 Ave	FDR Dr	6.6	6.6	2	0%	23%
	40 St	12 Ave	1 Ave	6.4	7.4	1.9	17%	
	Frederick Douglass Blvd	Frederick Douglass Cr	Harlem River Dr	6.9	8.1	2.5	18%	
	116 St	Morningside Ave	FDR Dr	7.5	10	1.6	33%	
	West St	W 14 St	Battery Pl	4.5	6.8	2.6	50%	

For the updated Manhattan Borough Plan (using 2017–2021 crash data), NYC DOT delisted three corridors, added five, and retained 16, while three Priority Corridors were partially retained/delisted. In terms of intersections, the agency delisted 53, added 51, and retained 14. Please refer to the Appendix for a full list of partially retained/delisted Priority Corridors and the list of Priority Corridors delisted due to mapping changes.

Note on percent change on Priority Corridors:

A small number of corridors experienced an unusually large percentage increase in KSI over the study period (2017–2021). This scale of increase was not observed in the previous 2019 update, and typically, traffic injury statistics tends to be fairly stable over time. While the exact reason for this increase is not known, there are a few possible explanations, including changes to crash reporting, data processing and pre-COVID travel patterns. Please refer to the Appendix for a full explanation.

*** Street network changes since the 2019 Borough Plans update led to slight differences in corridor length, as compared to this report.**

Manhattan Case Study: 8th Ave



8th Ave from Hudson St to Columbus Circle was a 2019 Priority Corridor, with two pedestrian fatalities and 20.9 pedestrians killed or severely injured per mile from 2012-2016. Although the street is still considered a Priority Corridor, pedestrian KSI dropped -38% in 2017-2021, with 13.0 pedestrians killed or severely injured and four pedestrian fatalities.

After

8th Ave from 31st St to 51st St (2019–2022)

- Painted Sidewalk Widening
- Painted Curb Extensions
- Protected Bicycle Lane
- Turn Bans
- Turn Bays
- Signal Timing Changes



8th Ave, Manhattan

Queens

Crescent St, Queens



Queens

Priority Corridors

Street Name	From	To	Ped Fatalities (2017-2021)	Ped KSI (2017-2021)	Miles	Ped KSI per mile (2017-2021)
Sutphin Blvd	Hillside Ave	Rockaway Blvd	1	20	2.7	7.4
Broadway	Vernon Blvd	Queens Blvd	3	27	3.9	6.9
Archer Ave	Van Wyck Expwy	168 St	1	8	1.3	6.2
Jamaica Ave	Eldert Ln	Cross Island Pkwy	8	48	8.2	5.9
37 Ave	Woodside Ave	114 St	2	18	3	5.9
Seagirt Blvd	Beach Channel Drr	Nassau Expwy	1	10	1.7	5.9
Northern Blvd	College Pt Blvd	Little Neck Bridge	3	27	4.8	5.7
Main St	Northern Blvd	Queens Blvd	5	22	4.1	5.4
46 Ave	Parsons Blvd	Utopia Pkwy	1	6	1.1	5.4
Roosevelt Ave	Queens Blvd	Willets Point Blvd	4	22	4.2	5.2
89 Ave	171 St	Jamaica Ave	1	7	1.4	5.2
Sanford Ave	DeLong St	Northern Blvd	1	10	2	5.1
31 St	40 Ave	20 Ave	2	12	2.4	4.9
Union St	Franklin Ave	25 Rd	0	7	1.4	4.9
Hillside Ave	Myrtle Ave	Langdale St	2	36	7.7	4.7
75 St	25 Ave	Woodside Ave	1	6	1.3	4.5
Liberty Ave	Drew St	Farmers Blvd	2	25	5.7	4.4
69 St	Metropolitan Ave	Broadway	1	12	2.7	4.4
Steinway St	Northern Blvd	Berrian Blvd	0	11	2.5	4.4
Cooper Ave	73 Pl	Woodhaven Blvd	1	5	1.1	4.4
Astoria Blvd N	80 St	31 St	0	7	1.6	4.3
Bowne St	Northern Blvd	Rose Ave	0	6	1.4	4.3
160 St	90 Ave	Claude Ave	0	5	1.2	4.3
Northern Blvd	41 Ave	129 St	8	22	5.3	4.2
21 St	Long Island Expwy	20 Ave	1	15	3.5	4.2
Queens Blvd	Jamaica Ave	Queens Plaza	4	32	7.8	4.1
Merrick Blvd	Hillside Ave	Hook Creek Blvd	0	20	4.9	4.1
47 Ave	51 St	Skillman Ave	0	6	1.5	4.1
Parsons Blvd	Rose Ave	13 Rd	3	12	3	4
Fresh Pond Rd	Flushing Ave	Myrtle Ave	0	6	1.5	4

Queens

Priority Corridors

Street Name	From	To	Ped Fatalities (2017–2021)	Ped KSI (2017–2021)	Miles	Ped KSI per mile (2017–2021)
Woodhaven Blvd	Rockaway Blvd	Queens Blvd	7	16	4.1	3.9
Rockaway Blvd	Eldert Ln	3 St	9	31	8.2	3.8
Lefferts Blvd	Rockaway Blvd	Kew Gardens Rd	0	10	2.6	3.8
Eliot Ave	Metropolitan Ave	Woodhaven Blvd	2	8	2.1	3.8
Mott Ave	Beacon Pl	Cornaga Ave	0	5	1.4	3.7
37 Ave	Vernon Blvd	Northern Blvd	1	4	1.1	3.7
Hempstead Ave	Jamaica Ave	Cross Island Pkwy	0	4	1.1	3.7
Cross Bay Blvd	N Channel Bridge	Liberty Ave	5	9	2.5	3.6
30 Ave	8 St	57 St	0	6	1.7	3.5
81 St	41 Ave	Grand Central Pkwy	1	5	1.4	3.5
Junction Blvd	32 Ave	Queens Blvd	0	7	2.1	3.4
162 St	Oak Ave	29 Ave	1	5	1.5	3.4
33 St	Northern Blvd	Astoria Blvd	0	5	1.5	3.4
Foch Blvd	Rockaway Blvd	Merrick Blvd	0	7	2.1	3.3
Beach Channel Dr	Beach 79 St	Horton Ave	0	11	3.5	3.2
Grand Ave	47 St	Queens Blvd	1	9	2.8	3.2
Kissena Blvd	Parsons Blvd	Main St	1	9	2.8	3.2
Jewel Ave	Park Drive E	178 St	3	7	2.2	3.2
Woodside Ave	Northern Blvd	Broadway	1	6	1.8	3.2
Queens Plaza	Vernon Blvd	Jackson Ave/ Queens Blvd/ Northern Blvd	1	5	1.5	3.2
Springfield Blvd	147 Ave	Northern Blvd	1	24	7.8	3.1
108 St	Astoria Blvd	Queens Blvd	2	9	2.9	3.1
Guy R Brewer Blvd	Rockaway Blvd	Jamaica Ave	0	11	3.7	3
38 St	Astoria Blvd S	Northern Blvd	0	4	1.4	2.9
79 St	41 Ave	Astoria Blvd S	0	4	1.4	2.9
Grove St	Traffic Ave	St Nicholas Ave	1	3	1	2.9

Queens

Priority Intersections

Intersection	Ped KSI (2017–2021)	Ped Fatalities (2017–2021)
Astoria Blvd N & Hoyt Ave N	5	0
Main St & Northern Blvd	4	1
Main St & Vleigh Pl	4	0
Springfield Blvd & Jamaica Ave	4	0
Sutphin Blvd & Liberty Ave	4	0
Cross Bay Blvd & Woodhaven Blvd	3	2
Rockaway Blvd & S Conduit Ave	3	2
Cross Island Pkwy & 150 St	3	1
162 St & Sanford Ave	3	0
Ascan Ave & Manse St	3	0
Astoria Blvd & Newtown Ave	3	0
Baisley Blvd & Bedell St	3	0
Beach Channel Dr & Mott Ave	3	0
Francis Lewis Blvd & 243 St	3	0
Homelawn St & Highland Ave	3	0
Little Neck Pkwy & Nassau Blvd	3	0
Parsons Blvd & Northern Blvd	3	0
Seagirt Blvd & Beach 31 St	3	0
Springfield Blvd & Hillside Ave	3	0
Springfield Blvd & Horace Harding Expwy	3	0
Woodhaven Blvd & Myrtle Ave	3	0
164 St & Jamaica Ave	2	2
Woodhaven Blvd & Jamaica Ave	2	2
37 Ave & 81 St	2	1
75 St & Roosevelt Ave	2	1
90 St & Northern Blvd	2	1
97 St & 57 Ave	2	1
Bell Blvd & 48 Ave	2	1
Queens Plaza & 27 St	2	1

Intersection	Ped KSI (2017–2021)	Ped Fatalities (2017–2021)
Sutphin Blvd & Archer Ave	2	1
Union Tpk & 175 St	2	1
121 St & Hawtree Creek Rd	2	0
160 St & Liberty Ave	2	0
168 St & 93 Ave	2	0
170 St & Jamaica Ave	2	0
173 St & Jamaica Ave	2	0
197 St & Hillside Ave	2	0
21 St & Ed Koch Bridge	2	0
223 St & Northern Blvd	2	0
23 St & Jackson Ave	2	0
30 Ave & 38 St	2	0
31 Ave & 21 St	2	0
37 Ave & 21 St	2	0
37 Ave & 84 St	2	0
47 Ave & 47 St	2	0
47 Ave & Van Dam St	2	0
69 St & Metropolitan Ave	2	0
89 Ave & 163 St	2	0
89 Ave & 168 St	2	0
92 St & 59 Ave	2	0
Atlantic Ave & 80 St	2	0
Broadway & 33 St	2	0
Broadway & 51 St	2	0
College Point Blvd & Maple Ave	2	0
Eliot Ave & Fresh Pond Rd	2	0
Guy R Brewer Blvd & Foch Blvd	2	0
Guy R Brewer Blvd & Tuskegee Airmen Way	2	0
Lefferts Blvd & Metropolitan Ave	2	0

Queens

Priority Intersections

Intersection	Ped KSI (2017–2021)	Ped Fatalities (2017– 2021)
Main St & Kissena Blvd	2	0
Merrick Blvd & 228 St	2	0
Merrick Blvd & Archer Ave	2	0
Merrick Blvd & Foch Blvd	2	0
Mott Ave & Beach 20 St	2	0
Myrtle Ave & 117 St	2	0
Parsons Blvd & Sanford Ave	2	0
Queens Blvd & 63 Dr	2	0
Queens Blvd & Ascan Ave	2	0
Queens Blvd & Broadway	2	0
Rockaway Blvd & Sutphin Blvd	2	0
S Conduit Ave & Farmers Blvd	2	0
S Conduit Ave & Hook Creek Blvd	2	0
Springfield Blvd & Hempstead Ave	2	0
Springfield Blvd & Merrick Blvd	2	0
Union St & Northern Blvd	2	0
Union Tpk & Parsons Blvd	2	0
Union Tpk & Springfield Blvd	2	0
Utopia Pkwy & 46 Ave	2	0
Whitestone Expwy & Linden Pl	2	0

Queens

Change in Priority Corridors

Status	Street	From	To	Ped KSI per mile (2012–2016)	Ped KSI per mile (2017–2021)	Corridor Length (miles)	Change	Change per Status Group
Delisted	34 Ave	Vernon Blvd	48 St	5.1	0.6	1.6	-88%	-56%
	104 St	Rockaway Blvd	Jamaica Ave	4.3	0.9	1.2	-80%	
	Northern Blvd	41 Ave	129 St	3.1	0.8	1.3	-75%	
	Seneca Ave	Dekalb Ave	St Felix Ave	4.9	1.6	1.2	-67%	
	Roosevelt Ave	Queens Blvd	Willeys Point Blvd	8.3	2.8	1.4	-66%	
	62 Dr	Queens Blvd	Grand Central Pkwy	4.7	1.9	1.1	-60%	
	Atlantic Ave	Eldert Ln	Van Wyck Expwy	6.4	2.6	3	-59%	
	Cypress Ave	Johnson Ave	J Robinson Pkwy	5.5	2.4	2.1*	-56%	
	71 Ave	Union Tpk	113 St	5.2	3	1.3	-43%	
	90 St	Astoria Blvd	Roosevelt Ave	4.7	2.8	1.1	-40%	
	Myrtle Ave	Palmetto St	Jamaica Ave	4.5	2.8	4.3	-37%	
	Jericho Tpk	Jamaica Ave	257 St	1.1	2.2	0.9	100%	

Queens

Change in Priority Corridors

Status	Street	From	To	Ped KSI per mile (2012–2016)	Ped KSI per mile (2017–2021)	Corridor Length (miles)	Change	Change per Status Group
Retained	108 St	Astoria Blvd	Queens Blvd	9.6	3.1	2.9	-68%	-25%
	Junction Blvd	Queens Blvd	32 Ave	9.7	3.4	2.1	-65%	
	Fresh Pond Rd	Myrtle Ave	Flushing Ave	9.3	4	1.5	-57%	
	Union St	Franklin Ave	25 Rd	9.8	4.9	1.4	-50%	
	Northern Blvd	Northern Blvd	41 Ave	7.8	4.2	5.3*	-47%	
	Grand Ave	47 St	Queens Blvd	5.4	3.2	2.8	-40%	
	Kissena Blvd	Main St	Parsons Blvd	5.4	3.2	2.8	-40%	
	Queens Blvd	Queens Plaza	Jamaica Ave	6.4	4.1	7.8*	-36%	
	Main St	Queens Blvd	Northern Blvd	8.2	5.4	4.1*	-34%	
	Bowne St	Rose Ave	Northern Blvd	6.4	4.3	1.4	-33%	
	Hempstead Ave	Jamaica Ave	Cross Island Pkwy	5.5	3.7	1.1	-33%	
	Woodhaven Blvd	Rockaway Blvd	Queens Blvd	5.7	3.9	4.1	-31%	
	Archer Ave	168 St	Van Wyck Expwy	8.7	6.2	1.3	-28%	
	Sutphin Blvd	Rockaway Blvd	Hillside Ave	9.3	7.4	2.7	-21%	
	Jamaica Ave	Eldert Ln	Cross Island Pkwy	7.1	5.9	8.2	-17%	
	Roosevelt Ave	Queens Blvd	Willeys Point Blvd	6.3	5.2	4.2*	-17%	
	Sanford Ave	Delong St	Northern Blvd	6.1	5.1	2	-17%	
	Retained	Broadway	Vernon Blvd	Queens Blvd	8.1	6.9	3.9*	
Rockaway Blvd		Eldert Ln	3 St	4.3	3.8	8.2	-13%	
Liberty Ave		Farmers Blvd	Drew St	4.9	4.4	5.7	-11%	
Hillside Ave		Langdale St	Myrtle Ave	5.2	4.7	7.7	-10%	
Parsons Blvd		Rose Ave	13 Rd	4.3	4	3	-8%	
21 St		20 Ave	Long Island Expwy	4.2	4.2	3.5*	1%	
Northern Blvd		41 Ave	129 St	5.5	5.7	4.8	4%	
	37 Ave	114 St	Woodside Ave	5.2	5.9	3*	13%	

Note on percent change on Priority Corridors:

A small number of corridors experienced an unusually large percentage increase in KSI over the study period (2017–2021). This scale of increase was not observed in the previous 2019 update, and typically, traffic injury statistics tends to be fairly stable over time. While the exact reason for this increase is not known, there are a few possible explanations, including changes to crash reporting, data processing and pre-COVID travel patterns. Please refer to the Appendix for a full explanation.

*** Street network changes since the 2019 Borough Plans update led to slight differences in corridor length, as compared to this report.**

Queens

Change in Priority Corridors

Status	Street	From	To	Ped KSI per mile (2012–2016)	Ped KSI per mile (2017–2021)	Corridor Length (miles)	Change	Change per Status Group		
New	Mott Ave	Beacon Pl	Cornaga Ave	6.6	3.7	1.4	-44%	45%		
	Woodside Ave	Northern Blvd	Broadway	4.3	3.2	1.8	-25%			
	Queens Plaza	Vernon Blvd	Jackson Ave/ Queens Blvd/ Northern Blvd	3.9	3.2	1.5	-17%			
	Guy R Brewer Blvd	Rockaway Blvd	Jamaica Ave	3.5	3	3.7	-15%			
	Cross Bay Blvd	N Channel Bridge	Liberty Ave	4	3.6	2.5	-10%			
	Merrick Blvd	Hillside Ave	Hook Creek Blvd	4.1	4.1	4.9	0%			
	Lefferts Blvd	Rockaway Blvd	Kew Gardens Rd	3.8	3.8	2.6	0%			
	81 St	41 Ave	Grand Central Pkwy	3.5	3.5	1.4	0%			
	Grove St	Traffic Ave	St Nicholas Ave	2.9	2.9	1	0%			
	Beach Channel Dr	Beach 79 St	Horton Ave	2.6	3.2	3.5	22%			
	Cooper Ave	73 Pl	Woodhaven Blvd	3.5	4.4	1.1	25%			
	160 St	90 Ave	Claude Ave	3.4	4.3	1.2	25%			
	Springfield Blvd	147 Ave	Northern Blvd	2.4	3.1	7.8	26%			
	69 St	Metropolitan Ave	Broadway	2.9	4.4	2.7	50%			
	47 Ave	51 St	Skillman Ave	2.8	4.1	1.5	50%			
	Seagirt Blvd	Beach Channel Dr	Nassau Expwy	3.5	5.9	1.7	67%			
	89 Ave	171 St	Jamaica Ave	2.9	5.2	1.4	75%			
	Foch Blvd	Rockaway Blvd	Merrick Blvd	1.9	3.3	2.1	75%			
	New	30 Ave	8 St	57 St	1.7	3.5	1.7		100%	45%
		Steinway St	Northern Blvd	Berrian Blvd	2	4.4	2.5		120%	
Jewel Ave		Park Drive E	178 St	1.4	3.2	2.2	133%			
162 St		Oak Ave	29 Ave	1.4	3.4	1.5	150%			
33 St		Northern Blvd	Astoria Blvd N	1.3	3.4	1.5	150%			
Astoria Blvd N		80 St	31 St	1.2	4.3	1.6	250%			
31 St		40 Ave	20 Ave	1.2	4.9	2.4	300%			
Eliot Ave		Metropolitan Ave	Woodhaven Blvd	1	3.8	2.1	300%			
79 St		41 Ave	Astoria Blvd S	0.7	2.9	1.4	300%			
75 St		25 Ave	Woodside Ave	0.8	4.5	1.3	500%			
46 Ave	Parsons Blvd	Utopia Pkwy	0	5.4	1.1	N/A				
37 Ave	Vernon Blvd	Northern Blvd	0	3.7	1.1	N/A				
38 St	Astoria Blvd S	Northern Blvd	0	2.9	1.4	N/A				

Queens Case Study: Queens Blvd



Queens Blvd from Queens Plaza to Jamaica Ave was a 2019 Priority Corridor, with ten pedestrian fatalities and 6.4 pedestrians killed or severely injured per mile from 2012-2016. Although the street is still considered a Priority Corridor, pedestrian KSI dropped -36% in 2017-2021, with 4.1 pedestrians killed or severely injured and four pedestrian fatalities.

After

Queens Blvd from Yellowstone Blvd to Union Tpk (2021)

- Lane Removal
- Protected Bicycle Lane
- Painted Pedestrian path
- New Traffic Control
- New Pedestrian Crossings



Queens Blvd, Queens

Staten Island

Broad St, Staten Island



Staten Island

Priority Corridors

Street Name	To	From	Ped Fatalities (2017–2021)	Ped KSI (2017–2021)	Miles	Ped KSI per mile (2017–2021)
Bay St	Wadsworth Ave	Richmond Terrace	2	12	2.9	4.2
Broadway	Clove Rd	Richmond Terrace	0	5	1.2	4.0
Richmond Ave	Purple Heart Memorial Bridge	Willow Rd W	1	15	4.6	3.3
Woolley Ave	Willowbrook Rd	College Ave	0	4	1.3	3.1
Bradley Ave	Watchogue Rd	Brielle Ave	1	3	1	2.9
Tompkins Ave	Broad St	Hylan Blvd	1	3	1.1	2.6
Forest Ave	Gulf Ave	Victory Blvd	1	13	5.2	2.5
Jewett Ave	Victory Blvd	Richmond Terrace	1	4	1.7	2.3
Midland Ave	Richmond Rd	Father Capodanno Blvd	0	3	1.3	2.3
Hylan Blvd	Satterlee St	Fingerboard Rd	4	26	13.1	2.0
Rossville Ave	Woodrow Rd	Arthur Kill Rd	0	2	1	2.0
Vanderbilt Ave	Richmond Rd	Bay St	0	2	1	2.0
Narrows Rd S	Richmond Rd	Lily Pond Ave	1	3	1.6	1.9
New Dorp Ln	Richmond Rd	Cedar Grove Ave	0	3	1.5	1.9
McClellan Ave	Norway Ave	Tompkins Ave	0	2	1.1	1.9
Hunter Ave	Father Capodanno Blvd	S Railroad Ave	0	2	1.1	1.8
Victory Blvd	Wild Ave	Minthorne St	1	14	8.2	1.7
Hylan Blvd	Edgewater St	Olga Pl	0	2	1.2	1.7
Milford Dr	Ocean Terrace	Clove Rd	0	2	1.2	1.7
Watchogue Rd	Willow Rd W	Victory Blvd	0	2	1.3	1.6
Narrows Rd N	Little Clove Rd	Lincoln Pl	1	3	1.9	1.5

Staten Island

Priority Intersections

Intersection	Ped KSI (2017–2021)	Ped Fatalities (2017–2021)
Hylan Blvd & Bedell Ave	3	0
Narrows Rd N & Fingerboard Rd	2	1
Broadway & Forest Ave	2	0
Forest Ave & Summerfield Pl	2	0
Hylan Blvd & Guyon Ave	2	0
Hylan Blvd & Midland Ave	2	0
Hylan Blvd & Quintard St	2	0
Lily Pond Ave & McClean Ave	2	0
Milford Dr & Endor Ave	2	0
Richmond Ave & Staten Island Expwy	2	0
Richmond Rd & Lighthouse Ave	2	0
Travis Ave & Draper Pl	2	0
Victory Blvd & Baron Blvd	2	0
Victory Blvd & Morani St	2	0
Woolley Ave & Watchogue Rd	2	0

For the updated Staten Island Borough Plan (using 2017–2021 crash data), NYC DOT delisted five corridors, added 12, and retained nine, while no Priority Corridors were partially retained/delisted. In terms of intersections, the agency delisted 14, added 13, and retained two. Please refer to the Appendix for a full list of partially retained/delisted Priority Corridors and the list of Priority Corridors delisted due to mapping changes.

Note on percent change on Priority Corridors:

A small number of corridors experienced an unusually large percentage increase in KSI over the study period (2017–2021). This scale of increase was not observed in the previous 2019 update, and typically, traffic injury statistics tends to be fairly stable over time. While the exact reason for this increase is not known, there are a few possible explanations, including changes to crash reporting, data processing and pre-COVID travel patterns. Please refer to the Appendix for a full explanation.

*** Street network changes since the 2019 Borough Plans update led to slight differences in corridor length, as compared to this report.**

Staten Island

Change in Priority Corridors

Status	Street	From	To	Ped KSI per mile (2012–2016)	Ped KSI per mile (2017–2021)	Corridor Length (miles)	Change	Change per Status Group
Delisted	Slosson Ave	Todt Hill Rd	Martling Ave	4.9	0	1	-100%	-70%
	Port Richmond Ave	Trantor Pl	Richmond Terrace	2.9	0.7	1.4	-75%	
	Targee St	Van Duzer St	Richmond Rd	2.9	1	2.1	-67%	
	Castleton Ave	Brook St	Nicholas Ave	2.5	0.9	3.2	-63%	
	Lincoln Ave	Richmond Rd	Father Capodanno Blvd	2.9	1.5	1.4	-50%	
Retained	Vanderbilt Ave	Bay St	Richmond Rd	8	2	1	-75%	-33%
	Victory Blvd	Minthorne St	Wild Ave	3.2	1.7	8.2*	-47%	
	Forest Ave	Victory Blvd	Gulf Ave	4.6	2.5	5.2*	-45%	
	Tompkins Ave	Broad St	Hylan Blvd	3.9	2.6	1.1*	-32%	
	Hylan Blvd	Edgewater St	Olga Pl	2.8	2	13.1*	-28%	
	Midland Ave	Richmond Rd	Father Capodanno Blvd	3	2.3	1.3	-25%	
	Bradley Ave	Brielle Ave	Watchogue Rd	3	2.9	1	-2%	
	Bay St	Wadsworth Ave	Richmond Terrace	4.2	4.2	2.9	0%	
	Broadway	Clove Rd	Richmond Terrace	3.2	4	1.2	25%	
New	Hylan Blvd	Edgewater St	Olga Pl	5.1	1.7	1.2	-67%	19%
	Watchogue Rd	Willow Rd W	Victory Blvd	3.2	1.6	1.3	-50%	
	Narrows Rd S	Richmond Rd	Lily Pond Ave	3.2	1.9	1.6	-40%	
	Narrows Rd N	Little Clove Rd	Lincoln Pl	2.6	1.5	1.9	-40%	
	Jewett Ave	Victory Blvd	Richmond Terrace	1.7	2.3	1.7	33%	
	Richmond Ave	Purple Heart Memorial Bridge	Willow Rd W	2.2	3.3	4.6	50%	
	Rosville Ave	Woodrow Rd	Arthur Kill Rd	1	2	1	100%	
	McClellan Ave	Norway Ave	Tompkins Ave	0.9	1.9	1.1	100%	
	New Dorp Ln	Richmond Rd	Cedar Grove Ave	0.6	1.9	1.5	200%	
	Woolley Ave	Willowbrook Rd	College Ave	0.8	3.1	1.3	300%	
	Hunter Ave	Father Capodanno Blvd	S Railroad Ave	0	1.8	1.1	N/A	
	Milford Dr	Ocean Terrace	Clove Rd	0	1.7	1.2	N/A	

Before



Hylan Blvd, Staten Island

Hylan Blvd from Satterlee St to Narrows Rd S was a 2019 Priority Corridor, with seven pedestrian fatalities and 2.8 pedestrians killed or severely injured per mile from 2012-2016. Although the street is still considered a Priority Corridor, pedestrian KSI dropped -28% in 2017-2021, with 2.0 pedestrians killed or severely injured and four pedestrian fatalities.

After

Hylan Blvd from Satterlee St to Page Ave (2022)

- Left-turn Bays
- Conventional Bicycle Lanes
- Road Diet

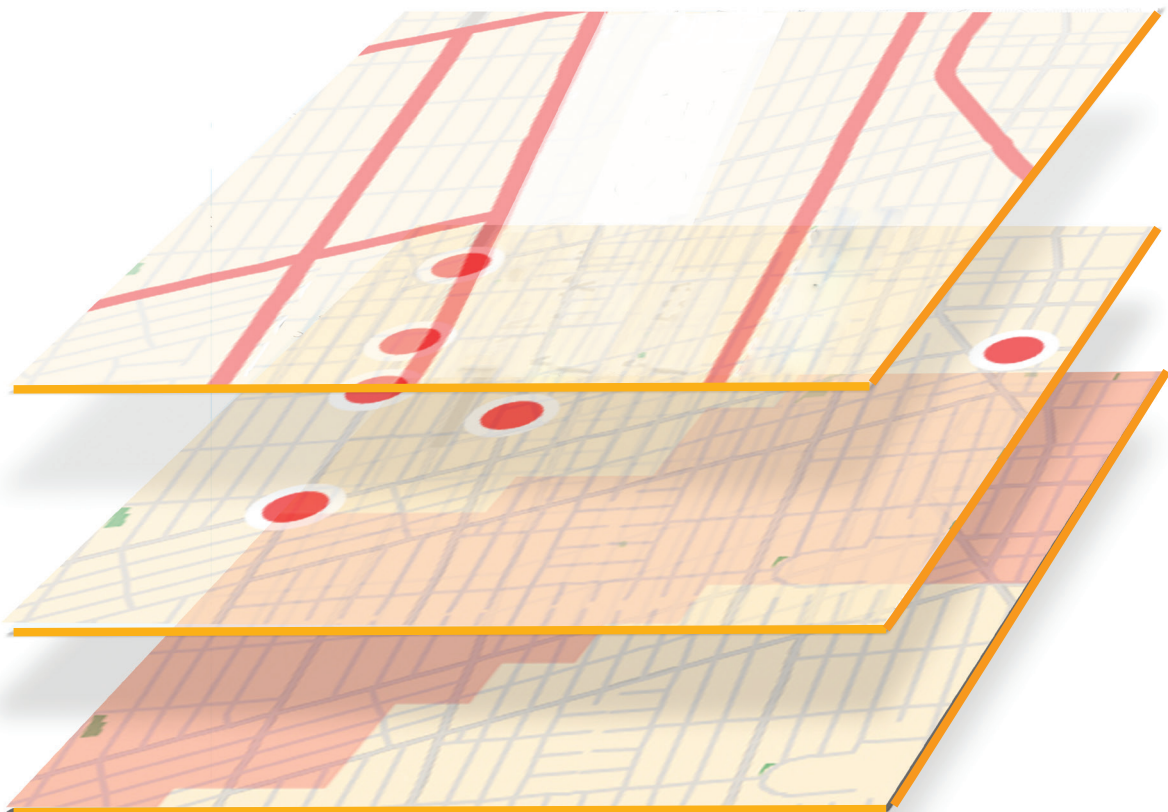




Appendix

Priority Geography Methodology

New York City has nearly 6,000 miles of roadway and nearly 47,000 intersections. To focus safety interventions where treatments will have the greatest effect, the City has identified the locations where pedestrian deaths and severe injuries are most concentrated. Using pedestrian KSI data from the last five available years (2017–2021), NYC DOT used the same process for selecting Priority Corridors, Priority Intersections, and Priority Areas as was used for the previous Borough Plans (released in 2019). Pedestrian KSI data was employed in this analysis for two reasons. First, a pedestrian who has been severely injured typically departs the crash scene in an ambulance and often experiences life-changing injuries (e.g., loss of mobility, brain function, limbs). A comprehensive street safety program must address these types of pedestrian injuries as well, not just fatalities. Second, severe injuries are more numerous and less randomly dispersed than traffic fatalities. Thus, severe injuries are more useful and reliable in terms of ranking one corridor, intersection, or area.



Priority Corridors

Prioritizing corridors (streets measuring at least one-mile in length) reflects the fact that pedestrian KSI crashes are concentrated on particular streets and that strings of intersections along certain streets often exhibit similar safety concerns and should be considered together. In addition, an intersection only analysis would not account for the large share of pedestrian fatalities that occurs midblock. To determine the Priority Corridors, all corridors in the five boroughs were ranked on a pedestrian KSI per mile basis. Corridors were selected from the top of this list until the cumulative number of pedestrian KSI reached half of the borough's total.

Note on percent change on Priority Corridors:

A small number of corridors experienced an unusually large percentage increase in KSI over the study period (2017–2021). This scale of increase was not observed in the previous 2019 update, and typically, traffic injury statistics tends to be fairly stable over time. While the exact reason for this increase is not known, there are a few possible explanations. Starting in 2019, the National Highway Safety Administration (NHTSA) mandated that all jurisdictions follow the Model Minimum Uniform Crash Criteria (MMUCC) 4th Edition guidelines for collecting Serious Injury crashes. As a result of this change, some injuries not previously attributed to the serious injury classification are now included. This change has made data from that year difficult to compare to previous years. Any increase in severe injuries may reflect the change in the formula and not an actual change in the trend of severe injuries. In addition, NYC DOT moved from using New York State Department of Transportation (NYSDOT) Department of Motor Vehicles (DMV) crash data to employing data directly supplied from the NYPD. From this data, crash severity is calculated using an algorithm supplied by DMV. As a result, processes previously added by NYSDOT and DMV, including injury categorization and mapping, are being done by NYC DOT which may result in some minor differences.

Finally, the last two of the five years of study data were affected by the COVID-19 pandemic. This period saw dramatic changes in travel patterns due to shifts in commuting and general travel behavior. These changes did not impact all parts of the city or all streets in the network uniformly. Some combination of these factors has likely have led to a destabilizing of longstanding traffic patterns, causing more dramatic swings in pedestrian KSI in the study period.

List of Priority Corridors delisted due to mapping changes or partially retained/delisted:

Due to changes in the NYC street map, some corridors were split into multiple new corridors, combined into new, larger corridors or extended. As a result, some previous Priority Corridors were delisted either because of low KSI rates on the entire span of the new corridor or because the new portions did not meet the minimum length requirements for corridor analysis.

Priority Intersections

In order to identify which of New York City's nearly 50,000 intersections have the highest need and greatest potential safety gains, NYC DOT used an approach similar to the Priority Corridor process. NYC DOT selected the intersections with the highest number of pedestrian KSI that cumulatively account for 15% of the borough's total pedestrian KSI. This is a lower share than that used for corridors because crashes resulting in pedestrian KSI are spread out widely among thousands of intersections. Not only would such a large number of intersections be impractical to address in the scope of one plan, but at the vast majority of these intersections, only one pedestrian KSI occurs in the data, which may not indicate a systematic need for intervention.

Priority Areas

Some of the safety issues throughout New York City occur systematically at an area-wide level and are not confined to a single intersection or street. To account for these areas, the pedestrian KSI crash dataset was transformed into a kernel density map—or heat map—which indicates where the density of these crashes is highest. The Priority Areas were determined by identifying the “hottest” areas on the map that, when combined, account for half of all of pedestrian KSI in each borough.

Priority Corridors Partially Retained/Delisted

2019 Borough Pedestrian Safety Action Plans				2023 Borough Pedestrian Safety Action Plans				
Status	Street Name	From	To	Street Name	From	To	Borough	Length (2023 Plans)
Delisted	1 Ave	Houston St	127 St	1 Ave	E 127 St	E 125 St	Manhattan	0.1
Retained	1 Ave	Houston St	127 St	1 Ave	E Houston St	RFK Bridge	Manhattan	6.2
Delisted	9 Ave	Ganesvoort St	Columbus Ave	9 Ave	Greenwich St	W 14 St	Manhattan	0.1
Retained	9 Ave	Ganesvoort St	Columbus Ave	9 Ave	W 59 St	W 14 St	Manhattan	2.2
Delisted	Canal St	Broadway	Bowery	Canal St	E Broadway	Bowery	Manhattan	0.5
Retained	Canal St	Broadway	Bowery	Canal St	West St	Bowery	Manhattan	1.1
Delisted	3 Ave	Bruckner Blvd	Fordham Rd	3 Ave	E 138 St	Bruckner Blvd	Bronx	0.3
Retained	3 Ave	Bruckner Blvd	Fordham Rd	3 Ave	E 138 St	E Fordham Rd	Bronx	4.3
Delisted	165 St	Jerome Ave	3 Ave	165 St	Whitlock Ave	Westchester Ave	Bronx	0.2
Retained	165 St	Jerome Ave	3 Ave	165 St	Jerome Ave	3 Ave	Bronx	1.0
Delisted	Broadway	New York Ave	Kent Ave	Broadway	Kent Ave	Berry St	Brooklyn	0.2
Delisted	Broadway	New York Ave	Kent Ave	Broadway	Berry St	Bedford Ave	Brooklyn	0.1
Retained	Broadway	New York Ave	Kent Ave	Broadway	Bedford Ave	Jamaica Ave	Brooklyn	4.6
Delisted	Jamaica Ave	Eldert Ln	257 St	Jericho Tpk	Cross Island Pkwy	257 St	Queens	0.9
Retained	Jamaica Ave	Eldert Ln	257 St	Jamaica Ave	Eldert Ln	Cross Island Pkwy	Queens	8.2
Delisted	Northern Blvd	College Point Blvd	Glenwood St	Northern Blvd	Little Neck Bridge	Glenwood St	Queens	1.3
Retained	Northern Blvd	College Point Blvd	Glenwood St	Northern Blvd	College Point Blvd	Little Neck Bridge	Queens	4.8

2019 Borough Pedestrian Safety Action Plans					2023 Borough Pedestrian Safety Action Plans					
Status	Borough	Street	From	To	Street	From	To	Ped KSI (2017–2021)	Corridor Length (corridors < 1 mile were disqualified)	Ped KSI per mile (2017–2021)
Delisted (due to mapping changes)	Bronx	Bruckner Blvd	Cypress Ave	Bruckner Expy	Bruckner Blvd	E 134 St	E 136 St	0	0.1	0
					Bruckner Blvd	St. Ann's Pl	3 Ave	3	0.7	4.1
					Bruckner Blvd	Unionport Bridge	E136 St	21	6.9	3.1
	Bronx	Southern Blvd	Louis Nine Blvd	Fordham Rd	Southern Blvd	Mosholu Pkwy	Bruckner Blvd	16	5.1	3.2
	Brooklyn	Bedford Ave	Manhattan Ave	Flatbush Ave	Bedford Ave	Emmons Ave	Manhattan Ave	33	10.2	3.2
	Brooklyn	Gold St	Fulton St	John St	Albee Sq	Willoughby St	Fulton Ave	0	0.1	0
					Gold St	Willoughby St	Myrtle Ave	2	0.1	0
					Gold St	John St	Flatbush Ave	2	0.8	2.5
	Brooklyn	Livonia Ave	98 St	New Lots Ave	Livonia Ave	E 98 St	Junius St	8	0.9	8.7
					Livonia Ave	Van Sinderen Ave	Cleveland St	2	1	2.1
	Queens	71 Ave	Union Tpk	113 St	71 Ave	Queens Blvd	113 St	2	0.5	4.4
					71 Ave	Union Tpk	Groton St	1	0.6	1.7
					Continental Ave	Queens Blvd	Groton St	1	0.3	3.4

Coverage Statistics: Vision Zero Priority Corridor & Intersections

This analysis was prepared in order to approximate the portion of Vision Zero Priority (VZP) Corridors and Intersections that have received treatments from NYC DOT from 2014 through 2021. The analysis considers Street Improvement Projects (SIPs), new signal installations, Turn Calming treatments, Leading Pedestrian Intervals (LPIs), and corridor retimings. The “Any Treatment” columns include VZP Corridor mileage and count of VZP Intersections with at least one of these treatments. For each borough, VZP Intersections with a treatment or on a SIP Corridor are divided by total VZP Intersections in that borough to approximate a VZP Intersection coverage percentage. For each borough, the sum of VZP Corridor mileage with a treatment is divided by total VZP Corridor mileage in that borough to approximate a VZP Corridor coverage percentage. For intersection treatments, the total mileage of blocks intersecting that intersection are used for the VZP Corridor calculation. For instance, for a new signal at an intersection on a VZP Corridor, mileage of the two VZP Corridor blocks meeting at that intersection is included. For all mileage estimates, the analysis relies on the LION 21C street network, created by NYC DCP.

Borough	VZP Corridor Mileage with New SIPs	VZP Corridor Mileage with New Signals	VZP Corridor Mileage with Turn Calming	VZP Corridor Mileage with LPIs	VZP Corridor Mileage with Corridor Retiming	VZP Corridor Mileage with Any Treatment
Bronx	46.6%	0.2%	5.7%	56.7%	90.7%	95.0%
Brooklyn	41.2%	0.5%	16.0%	56.9%	92.5%	97.5%
Manhattan	43.2%	0.3%	32.0%	71.9%	82.8%	97.4%
Queens	48.1%	1.0%	11.2%	45.8%	91.0%	96.8%
Staten Island	25.5%	0.0%	4.2%	31.8%	64.2%	80.7%
Citywide	42.8%	0.5%	13.9%	53.3%	88.0%	95.4%

Borough	VZP Intersections with New SIP	VZP Intersections with New Signals	VZP Intersections with Turn Calming	VZP Intersections with LPIs	VZP Intersections with Corridor Retiming	VZP Intersections with Any Treatment
Bronx	53.3%	0.0%	8.9%	57.8%	26.7%	88.9%
Brooklyn	60.6%	0.0%	36.4%	45.5%	24.2%	96.0%
Manhattan	80.6%	1.5%	41.8%	40.3%	40.3%	97.0%
Queens	61.8%	1.5%	29.4%	48.5%	51.5%	94.1%
Staten Island	37.5%	0.0%	31.3%	43.8%	25.0%	93.8%
Citywide	63.1%	0.7%	31.5%	46.8%	34.6%	94.6%

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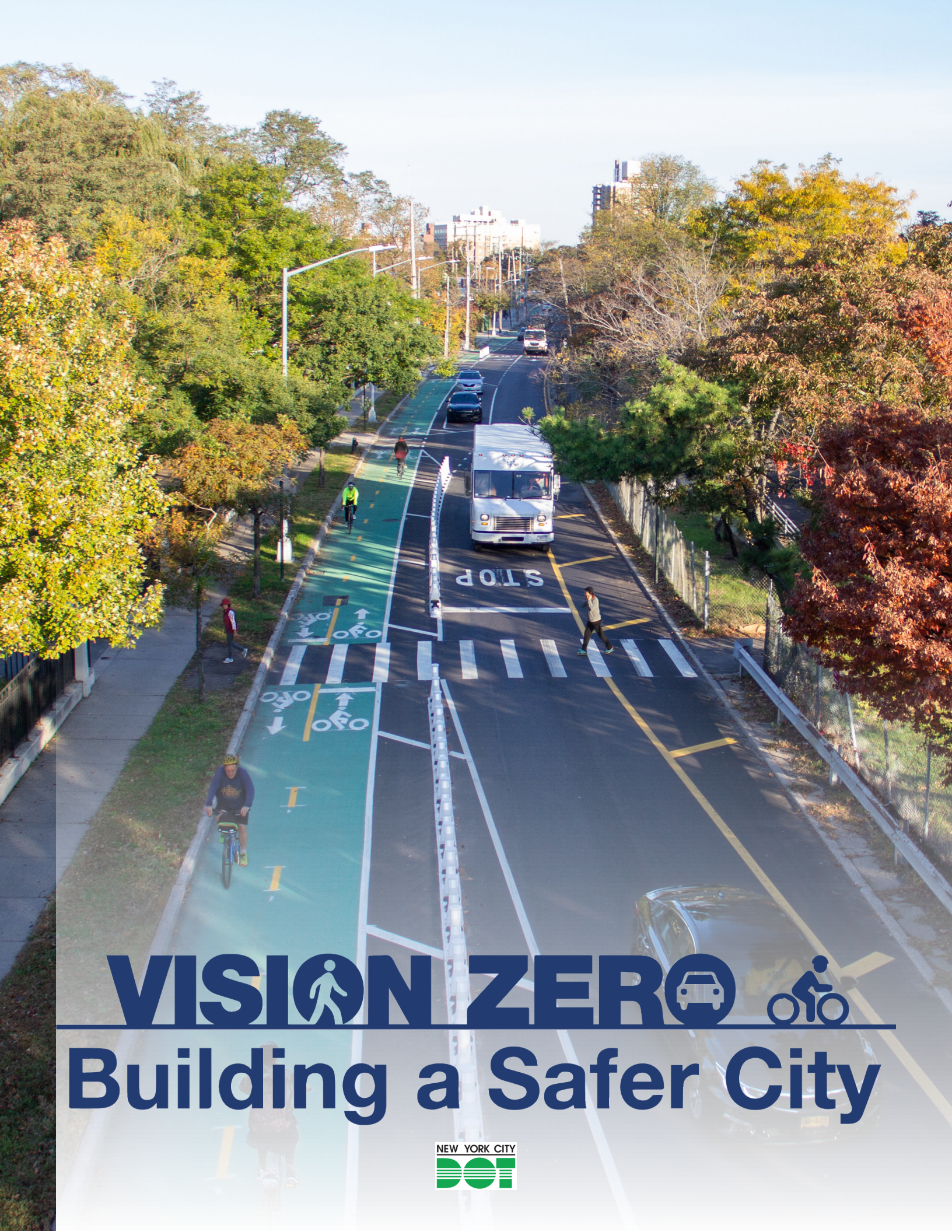
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