

# HIGH PEDESTRIAN CRASH LOCATIONS

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## Pedestrian Safety Improvements at the Top 20 Crash Intersections: 2012

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Polly Trottenberg  
Commissioner

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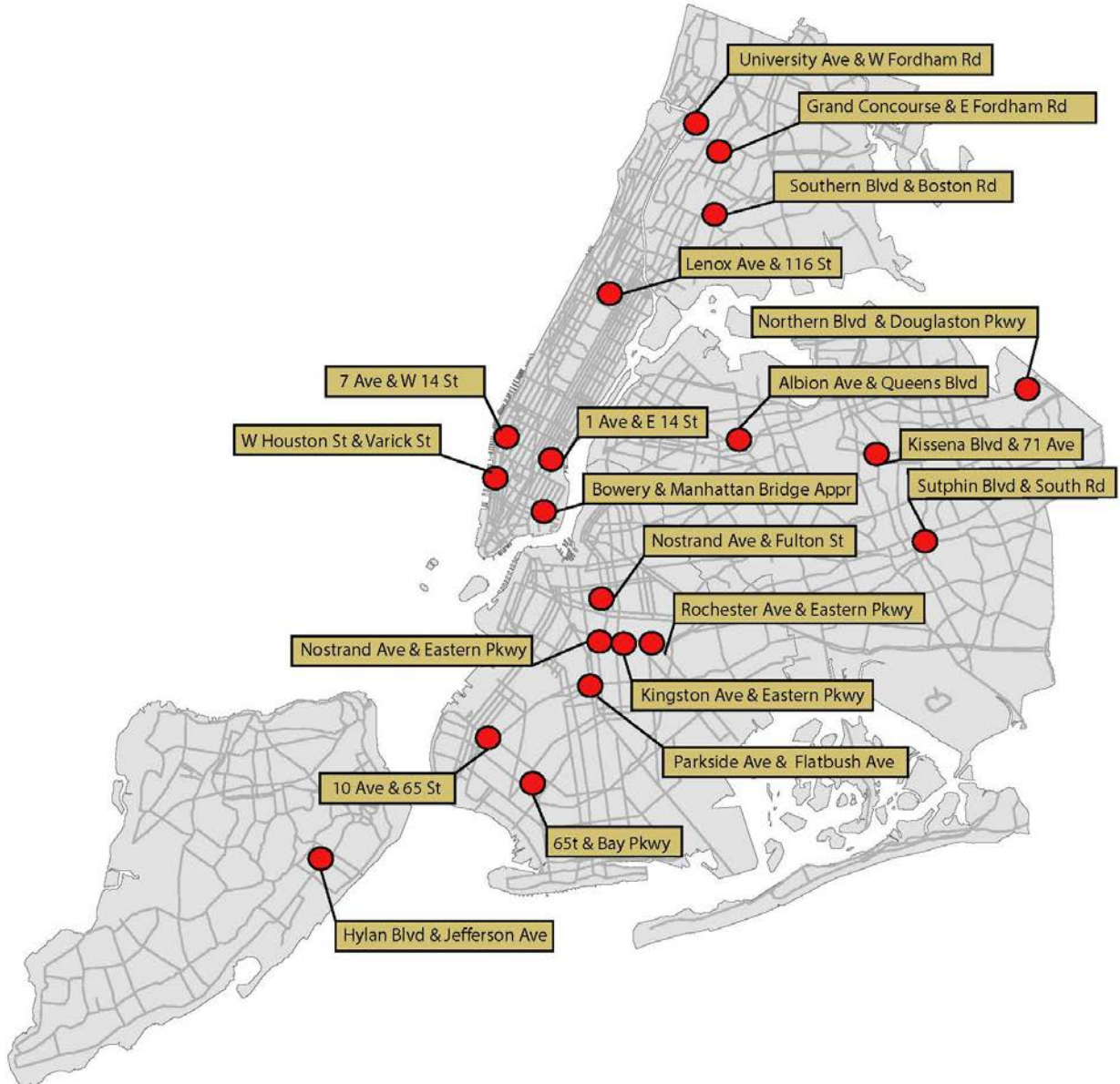
## **Introduction**

Pursuant to the Administrative Code, the New York City Department of Transportation (DOT) identifies annually 20 high pedestrian crash locations based upon data provided by the New York State Department of Transportation (NYSDOT) on the number of pedestrians killed or severely injured over a five-year period. Pursuant to the Administrative Code, DOT also recommends steps to be taken for safety enhancements at those locations. This report is based upon data provided by NYSDOT for the five years from 2008 through 2012.

In February 2014, Mayor de Blasio launched his Vision Zero Action Plan – an inter-agency effort to eliminate traffic fatalities by 2024. In addition to rolling out an array of education and enforcement initiatives, the Mayor pledged to implement safety engineering enhancements at 50 intersections and corridors each year. The High Pedestrian Crash Location Report is one of the tools DOT is using to identify locations at which to make these engineering enhancements.

DOT also employs other methods to monitor and promptly respond to safety needs including analysis of crash data and continued community outreach. This report is only one element of our Vision Zero work in neighborhoods across the City. To find out more, please visit [nyc.gov/visionzero](http://nyc.gov/visionzero).

# TOP TWENTY HIGH PEDESTRIAN CRASH LOCATIONS



**TOP TWENTY HIGH PEDESTRIAN CRASH LOCATIONS - 2012**

<b>Intersection</b>	<b>Borough</b>	<b>Total Number of Pedestrians Killed or Seriously Injured (2008-2012)</b>
7 Ave & W 14 St	Manhattan	7
10 Ave & 65 St	Brooklyn	6
Nostrand Ave & Fulton St	Brooklyn	6
Kingston Ave & Eastern Pkwy	Brooklyn	6
Southern Blvd & Boston Rd	Bronx	6
University Ave & W Fordham Rd	Bronx	5
65 St & Bay Pkwy	Brooklyn	5
Parkside Ave & Flatbush Ave	Brooklyn	5
Nostrand Ave & Eastern Pkwy	Brooklyn	5
Rochester Ave & Eastern Pkwy	Brooklyn	5
W Houston St & Varick St	Manhattan	5
1 Ave & E 14 St	Manhattan	5
Manhattan Bridge Approach & Bowery	Manhattan	5
Lenox Ave & 116 St	Manhattan	5
Albion Ave & Queens Blvd	Queens	5
Kissena Blvd & 71 Ave	Queens	5
Hylan Blvd & Jefferson Ave	Staten Island	5
Grand Concourse & E Fordham Rd	Bronx	4
Sutphin Blvd & South Rd	Queens	4
Northern Blvd & Douglaston Pkwy	Queens	4

## **SOUTHERN BOULEVARD & BOSTON ROAD**

**Community Board:** 3

**Council District:** 17

**Borough:** Bronx

**Inspection:** Complete

**Audit Report:** Complete

### **Actions Taken:**

- Installed LOOK! markings to alert pedestrians to oncoming traffic
- Installed countdown signals to give pedestrians more information to cross the street
- Included in the 2014 Southern Boulevard Arterial Slow Zone corridor signal retiming

### **Recommendations:**

- Install curb extension at bus stop under the elevated train on Southern Blvd for better pedestrian access to buses
- Close slip ramps between Boston Rd and Southern Blvd to minimize motor vehicle turning movements and create enhanced traffic patterns
- Install realigned and new crosswalks to accommodate pedestrian desire line to and from subway
- Work with Community Board 3 to develop enhancements

### **Proposed Schedule to Implement Recommendations:**

- Scheduled for 2015 implementation

## **UNIVERSITY AVENUE & W FORDHAM ROAD**

**Community Board:** 7

**Council District:** 14

**Borough:** Bronx

**Inspection:** Complete

**Audit Report:** Complete

### **Actions Taken:**

- Installed LOOK! markings to alert pedestrians to oncoming traffic
- Installed countdown signals to give pedestrians more information to cross the street

### **Recommendations:**

- Part of the 2015 Fordham Road corridor safety project
- Add a dedicated left turn phase for left turning vehicles from northbound University Ave to westbound Fordham Rd for simpler, enhanced left turns
- Change westbound Fordham Rd to southbound University Ave left turn phase from a leading to a lagging phase to allow for simpler, enhanced left turns
- Install peg-a-trac markings to guide vehicles through complex intersection
- Work with Community Board 7 to develop enhancements

### **Proposed Schedule to Implement Recommendations:**

- Scheduled for 2015 implementation

## **GRAND CONCOURSE & E FORDHAM ROAD**

**Community Board:** 5 & 7

**Council District:** 14 & 15

**Borough:** Bronx

**Inspection:** Complete

**Audit Report:** Complete

### **Actions Taken:**

- Installed LOOK! markings to alert pedestrians to oncoming traffic
- Installed countdown signals to give pedestrians more information to cross the street
- Included in the 2014 Grand Concourse Arterial Slow Zone corridor signal retiming
- Studied for Leading Pedestrian Interval installation to create enhanced pedestrian crossings (under review)

### **Recommendations:**

- Part of the 2015 Fordham Road corridor safety project
- Refurbished intersection markings
- Work with Community Boards 5 & 7 to develop enhancements

### **Proposed Schedule to Implement Recommendations:**

- Scheduled for 2015 implementation



**10<sup>TH</sup> AVENUE & 65<sup>TH</sup> STREET**

**Community Board:** 10

**Council District:** 38

**Borough:** Brooklyn

**Inspection:** Complete

**Audit Report:** Complete

**Actions Taken:**

- Installed LOOK! markings to alert pedestrians to oncoming traffic
- Installed countdown signals to give pedestrians more information to cross the street

**Recommendations:**

- Upgrade all crosswalks to high visibility to increase pedestrian visibility
- Work with Community Board 10 to develop enhancements

**Proposed Schedule to Implement Recommendations:**

- Possible for 2016 implementation

## **NOSTRAND AVENUE & FULTON STREET**

**Community Board:** 3

**Council District:** 36

**Borough:** Brooklyn

**Inspection:** Complete

**Audit Report:** Complete

### **Actions Taken:**

- Installed LOOK! markings to alert pedestrians to oncoming traffic
- Installed countdown signals to give pedestrians more information to cross the street
- Part of the 2014 Nostrand Ave Select Bus Service project
- Constructed a bus bulb on northwest corner for better pedestrian access to SBS buses

### **Recommendations:**

- See above actions

### **Proposed Schedule to Implement Recommendations:**

- Complete

## **KINGSTON AVENUE & EASTERN PARKWAY**

**Community Board:** 8 & 9

**Council District:** 35

**Borough:** Brooklyn

**Inspection:** Complete

**Audit Report:** Complete

### **Actions Taken:**

- Installed LOOK! markings to alert pedestrians to oncoming traffic
- Installed countdown signals to give pedestrians more information to cross the street
- Part of the 2013 Eastern Parkway corridor safety improvement project
- Included in the 2014 Eastern Parkway Arterial Slow Zone corridor signal retiming
- Installed pavement markings to guide pedestrians and bicyclists on the Eastern Parkway shared use path across Kingston Ave
- Channelized right lane on Eastern Pkwy to calm and organize eastbound traffic

### **Recommendations:**

- See above actions

### **Proposed Schedule to Implement Recommendations:**

- Complete

## **65<sup>TH</sup> STREET & BAY PARKWAY**

**Community Board:** 11

**Council District:** 44 & 47

**Borough:** Brooklyn

**Inspection:** Complete

**Audit Report:** Complete

### **Actions Taken:**

- Installed LOOK! markings to alert pedestrians to oncoming traffic
- Installed countdown signals to give pedestrians more information to cross the street

### **Recommendations:**

- Install left turn bays and left turn phases for 65<sup>th</sup> St and Bay Pkwy for simpler, enhanced left turns
- Upgrade all crosswalks to high visibility to increase pedestrian visibility
- Work with Community Board 11 to develop enhancements

### **Proposed Schedule to Implement Recommendations:**

- Possible for 2016 implementation

## **PARKSIDE AVENUE & FLATBUSH AVENUE**

**Community Board:** 9 & 14

**Council District:** 40

**Borough:** Brooklyn

**Inspection:** Complete

**Audit Report:** Complete

### **Actions Taken:**

- Installed LOOK! markings to alert pedestrians to oncoming traffic
- Installed countdown signals to give pedestrians more information to cross the street
- Part of 2013 Flatbush Avenue Congested Corridor study
- Included in the 2014 Flatbush Avenue Arterial Slow Zone corridor signal retiming
- Installed left turn bays for simpler, enhanced left turns
- Installed new southbound right turn bay for simpler, enhanced right turns
- Removed parking on northbound side during morning rush hour (7-10AM) to better manage traffic flow

### **Recommendations:**

- See above actions

### **Proposed Schedule to Implement Recommendations:**

- Complete

## **NOSTRAND AVENUE & EASTERN PARKWAY**

**Community Board:** 8 & 9

**Council District:** 35

**Borough:** Brooklyn

**Inspection:** Complete

**Audit Report:** Complete

### **Actions Taken:**

- Installed LOOK! markings to alert pedestrians to oncoming traffic
- Installed countdown signals to give pedestrians more information to cross the street
- Part of the 2013 Eastern Parkway corridor safety improvement and 2014 Nostrand Ave Select Bus Service projects
- Included in the 2014 Eastern Parkway Arterial Slow Zone corridor signal retiming
- Installed pavement markings to guide pedestrians and bicyclists on the Eastern Parkway shared use path across Nostrand Ave
- Channelized right lane on Eastern Pkwy to calm and organize eastbound traffic
- Installed dedicated bus lane on Nostrand Ave to better organize traffic flow and bus movement

### **Recommendations:**

- See above actions

### **Proposed Schedule to Implement Recommendations:**

- Complete

## **ROCHESTER AVENUE & EASTERN PARKWAY**

**Community Board:** 8 & 9

**Council District:** 41

**Borough:** Brooklyn

**Inspection:** Complete

**Audit Report:** Complete

### **Actions Taken:**

- Installed LOOK! markings to alert pedestrians to oncoming traffic
- Installed countdown signals to give pedestrians more information to cross the street
- Part of the 2013 Eastern Parkway corridor safety improvement project
- Included in the 2014 Eastern Parkway Arterial Slow Zone corridor signal retiming
- Installed pavement markings to guide pedestrians and bicyclists on the Eastern Parkway shared use path across Rochester Ave
- Added a right turn lane for eastbound Eastern Pkwy onto Rochester Ave for simpler, enhanced right turns
- Channelized right lane on Eastern Pkwy to calm and organize eastbound traffic

### **Recommendations:**

- See above actions

### **Proposed Schedule to Implement Recommendations:**

- Complete

## **7<sup>TH</sup> AVENUE & WEST 14<sup>TH</sup> STREET**

**Community Board:** 2 & 4

**Council District:** 3

**Borough:** Manhattan

**Inspection:** Complete

**Audit Report:** Complete

### **Actions Taken:**

- Installed LOOK! markings to alert pedestrians to oncoming traffic
- Installed countdown signals to give pedestrians more information to cross the street
- Included in the 2014 Seventh Avenue Arterial Slow Zone corridor signal retiming

### **Recommendations:**

- Install two pedestrian safety islands in north and south crosswalks to provide enhanced, shorter pedestrian crossings
- Install a painted sidewalk extension on southeast corner to provide enhanced, shorter pedestrian crossings
- Create separated southbound left turn lane in north crosswalk adjacent to subway entrance for simpler, enhanced left turns
- Provide eastbound to southbound right turn bay for simpler, enhanced right turns
- Restrict westbound to southbound left turns at all times to reduce vehicle and pedestrian conflicts
- Modify signal timing to provide enhanced crossing for pedestrians
- Work with Community Boards 2 and 4 to develop enhancements

### **Proposed Schedule to Implement Recommendations:**

- Possible for 2016 implementation



## **WEST HOUSTON STREET & VARICK STREET**

**Community Board:** 2

**Council District:** 3

**Borough:** Manhattan

**Inspection:** Complete

**Audit Report:** Complete

### **Actions Taken:**

- Installed LOOK! markings to alert pedestrians to oncoming traffic
- Installed countdown signals to give pedestrians more information to cross the street
- Included in the 2014 Houston Street Arterial Slow Zone corridor signal retiming
- Studied for Leading Pedestrian Interval installation to create enhanced pedestrian crossings (study is pending review)

### **Recommendations:**

- Fan south crosswalk across Varick St to reach subway entrance and increase pedestrian visibility
- Work with Community Board 2 to develop enhancements

### **Proposed Schedule to Implement Recommendations:**

- Scheduled for 2015 implementation

## **1<sup>ST</sup> AVENUE & EAST 14<sup>TH</sup> STREET**

**Community Board:** 3 & 6

**Council District:** 2 & 4

**Borough:** Manhattan

**Inspection:** Complete

**Audit Report:** Complete

### **Actions Taken:**

- Installed LOOK! markings to alert pedestrians to oncoming traffic
- Installed countdown signals to give pedestrians more information to cross the street
- Constructed a bus bulb on northeast corner for better pedestrian access to Select Bus Service

### **Recommendations:**

- Install a flush median and left turn bays on 14<sup>th</sup> St to better organize traffic flow and provide simpler, enhanced left turns
- Construct pedestrian safety island in east crosswalk to provide enhanced, shorter pedestrian crossings
- Work with Community Boards 3 and 6 to develop enhancements

### **Proposed Schedule to Implement Recommendations:**

- Possible for 2016 implementation

## **MANHATTAN BRIDGE APPROACH & BOWERY**

**Community Board:** 2 & 3

**Council District:** 1

**Borough:** Manhattan

**Inspection:** Complete

**Audit Report:** Complete

### **Actions Taken:**

- Installed LOOK! markings to alert pedestrians to oncoming traffic
- Installed countdown signals to give pedestrians more information to cross the street

### **Recommendations:**

- Eliminate rush hour reversals to better organize traffic flow and provide more predictability for road users
- Construct median tip extension on Bowery to provide enhanced, shorter pedestrian crossings
- Construct concrete curb extension on north side of the intersection to provide enhanced, shorter pedestrian crossings
- Replace existing channelization on south side of the intersection with painted curb extensions to provide enhanced, shorter pedestrian crossings
- Add signal at Canal St and Manhattan Bridge Approach to better organize traffic flow
- Install new high visibility crosswalk at Bowery Slip and Manhattan Bridge Approach to provide enhanced crossing for pedestrians
- Work with Community Boards 2 and 3 to develop enhancements

### **Proposed Schedule to Implement Recommendations:**

- Scheduled for 2015 implementation

## **LENOX AVENUE & 116<sup>TH</sup> STREET**

**Community Board:** 10

**Council District:** 9

**Borough:** Manhattan

**Inspection:** Complete

**Audit Report:** Complete

### **Actions Taken:**

- Installed LOOK! markings to alert pedestrians to oncoming traffic
- Installed countdown signals to give pedestrians more information to cross the street

### **Recommendations:**

- Construct median tip extensions on Lenox Ave to provide enhanced, shorter pedestrian crossings
- Install left turn bays on 116<sup>th</sup> St on both east and west approaches to provide simpler, enhanced left turns
- Work with Community Board 10 to develop enhancements

### **Proposed Schedule to Implement Recommendations:**

- Possible for 2016 implementation

## **ALBION AVENUE & QUEENS BOULEVARD**

**Community Board:** 4

**Council District:** 25

**Borough:** Queens

**Inspection:** Complete

**Audit Report:** Complete

### **Actions Taken:**

- Installed LOOK! markings to alert pedestrians to oncoming traffic
- Installed countdown signals to give pedestrians more information to cross the street
- Included in the 2014 Queens Boulevard Arterial Slow Zone corridor signal retiming

### **Recommendations:**

- Part of the 2015 Queens Boulevard corridor safety improvement project
- Connect westbound service road medians to restrict through and mainline access from Albion Ave to minimize motor vehicle turning movements
- Install median tip extensions to realign skewed intersection and provide enhanced, shorter pedestrian crossings
- Install realigned, high visibility crosswalks to increase pedestrian visibility
- Install peg-a-trac markings to safely guide vehicles through the intersection
- Upgrade street lighting to enhance visibility at night
- Work with Community Board 4 to develop enhancements

### **Proposed Schedule to Implement Recommendations:**

- Possible for 2015 implementation

## **KISSENA BOULEVARD & 71<sup>ST</sup> AVENUE**

**Community Board:** 8

**Council District:** 24

**Borough:** Queens

**Inspection:** Complete

**Audit Report:** Complete

### **Actions Taken:**

- Installed LOOK! markings to alert pedestrians to oncoming traffic
- Installed countdown signals to give pedestrian more information to cross the street

### **Recommendations:**

- Upgrade all crosswalks to school crosswalks
- Add left turn signal phases from Kissena Blvd to 71 Ave to complement existing left turn bays and allow for simpler, enhanced left turns
- Refurbish all intersection markings
- Work with Community Board 8 to develop enhancements

### **Proposed Schedule to Implement Recommendations:**

- Possible for 2016 implementation

## **SUTPHIN BOULEVARD & SOUTH ROAD**

**Community Board:** 12

**Council District:** 28

**Borough:** Queens

**Inspection:** Complete

**Audit Report:** Complete

### **Actions Taken:**

- Installed LOOK! markings to alert pedestrians to oncoming traffic
- Installed countdown signals to give pedestrians more information to cross the street

### **Recommendations:**

- Upgrade all crosswalks to high visibility to increase pedestrian visibility
- Work with Community Boards 5 and 6 to develop enhancements

### **Proposed Schedule to Implement Recommendations:**

- Possible for 2015 implementation

## **NORTHERN BOULEVARD & DOUGLASTON PARKWAY**

**Community Board:** 11

**Council District:** 19

**Borough:** Queens

**Inspection:** Complete

**Audit Report:** Complete

### **Actions Taken:**

- Installed LOOK! markings to alert pedestrians to oncoming traffic
- Installed countdown signals to give pedestrians more information to cross the street
- Included in the 2014 Northern Boulevard Arterial Slow Zone corridor signal retiming

### **Recommendations:**

- Upgrade all crosswalks to school crosswalks
- Work with Community Board 11 to develop enhancements

### **Proposed Schedule to Implement Recommendations:**

- Possible for 2015 implementation



## **HYLAN BOULEVARD & JEFFERSON AVENUE**

**Community Board:** 2

**Council District:** 50

**Borough:** Staten Island

**Inspection:** Complete

**Audit Report:** Complete

### **Actions Taken:**

- Installed LOOK! markings to alert pedestrians to oncoming traffic
- Installed countdown signals to give pedestrians more information to cross the street
- Part of the 2012 Hylan Blvd Select Bus Service projects

### **Recommendations:**

- Refurbish all intersection markings
- Work with Community Board 2 to develop enhancements

### **Proposed Schedule to Implement Recommendations:**

- Possible for 2015 implementation