



THIRD AVENUE

School Safety Improvements

Presentation to CB 3

May 9, 2017



BACKGROUND

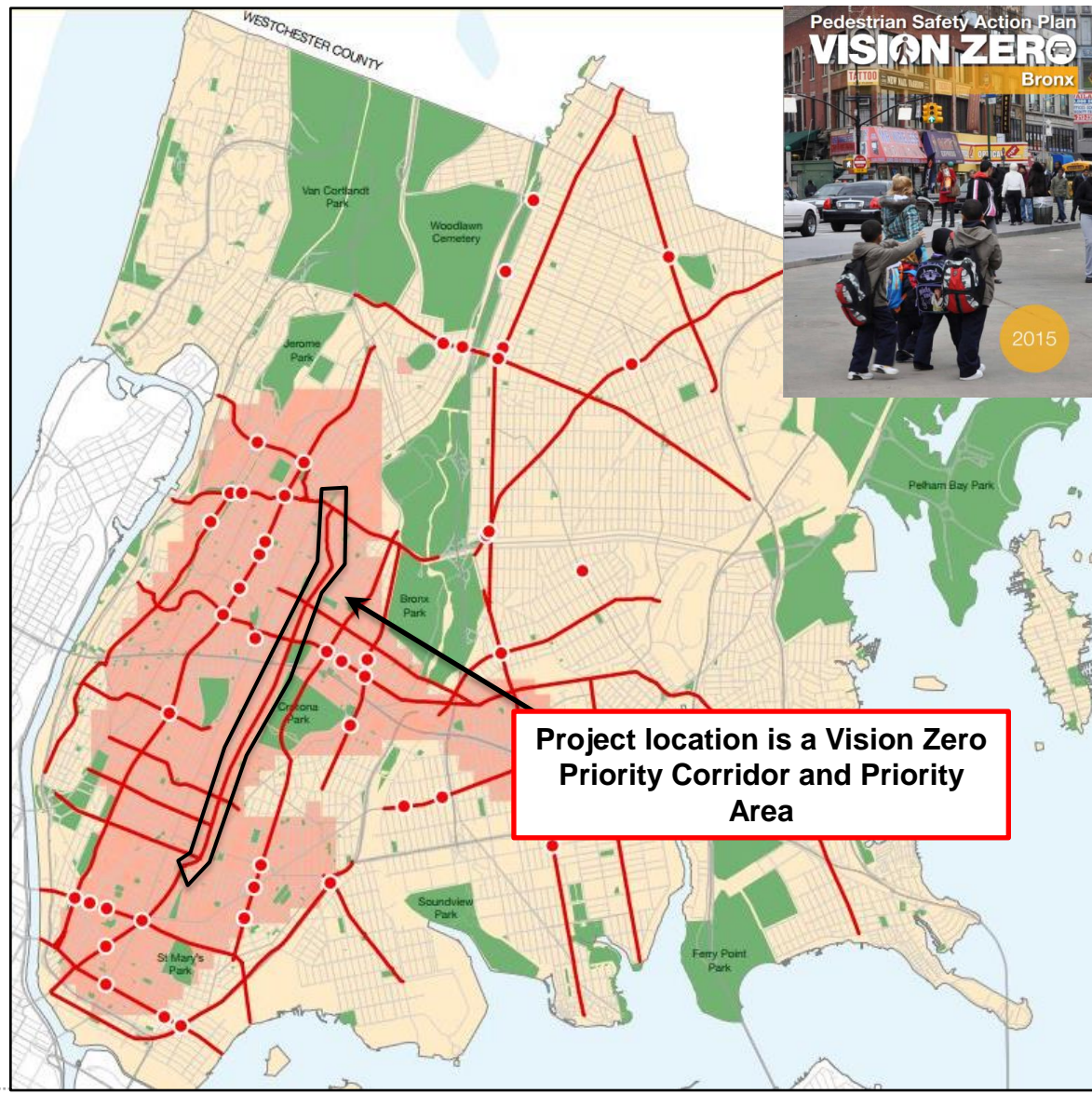
Bronx Vision Zero Priority Geographies

Vision Zero

- Multi-agency effort to reduce traffic fatalities in NYC
- Borough Action Plans released in 2015
- Priority Intersections, Corridors, and Areas identified for each borough

Third Ave

- Priority Corridor
- Priority Area



BACKGROUND

Schools

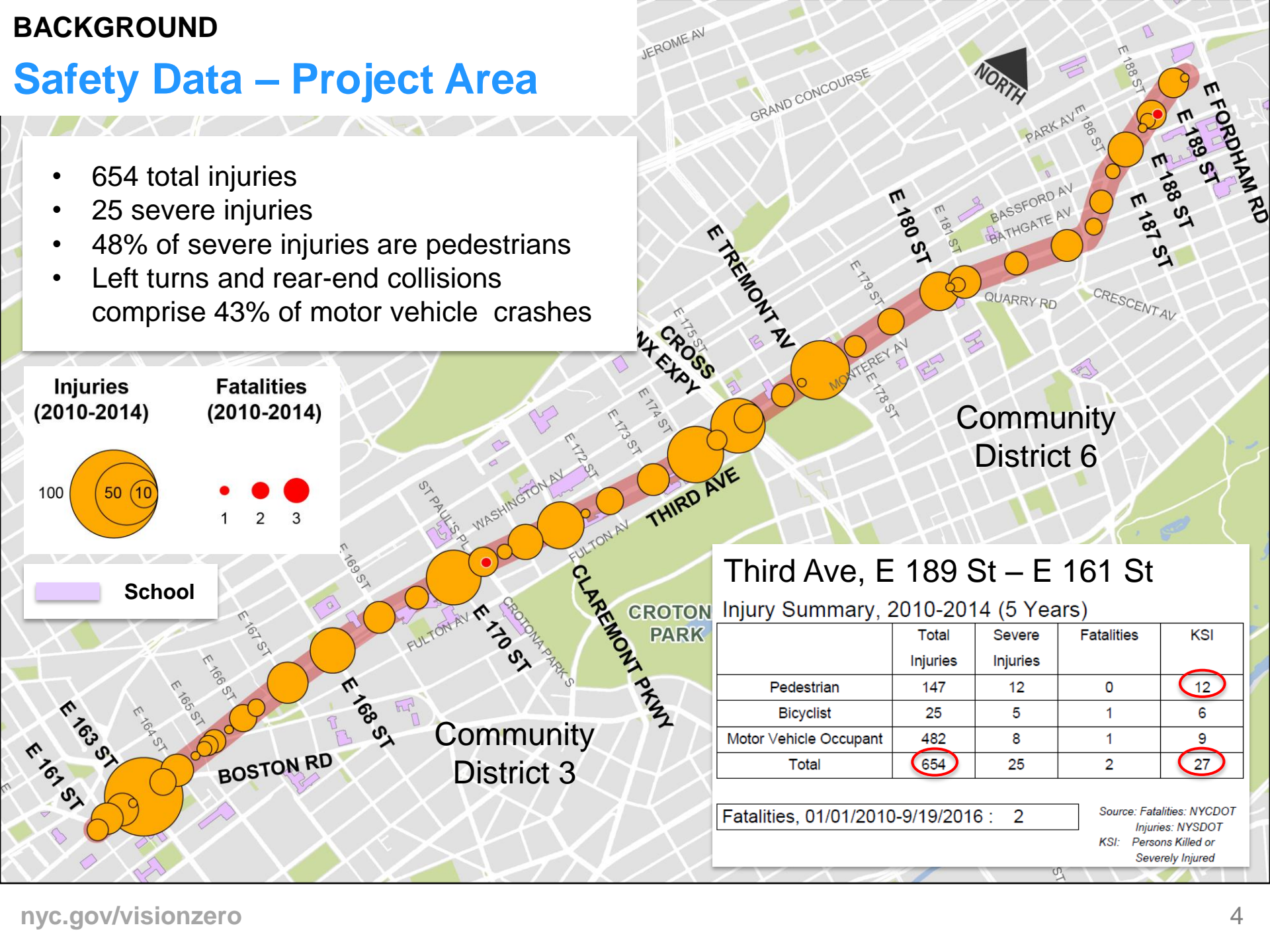
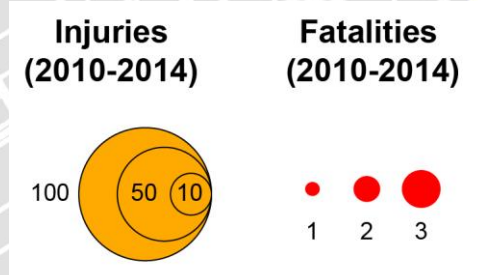
More than 40 schools within a 5-minute walk of Third Ave, between E 189 St and E 161 St



BACKGROUND

Safety Data – Project Area

- 654 total injuries
- 25 severe injuries
- 48% of severe injuries are pedestrians
- Left turns and rear-end collisions comprise 43% of motor vehicle crashes



Third Ave, E 189 St – E 161 St

Injury Summary, 2010-2014 (5 Years)

	Total Injuries	Severe Injuries	Fatalities	KSI
Pedestrian	147	12	0	12
Bicyclist	25	5	1	6
Motor Vehicle Occupant	482	8	1	9
Total	654	25	2	27

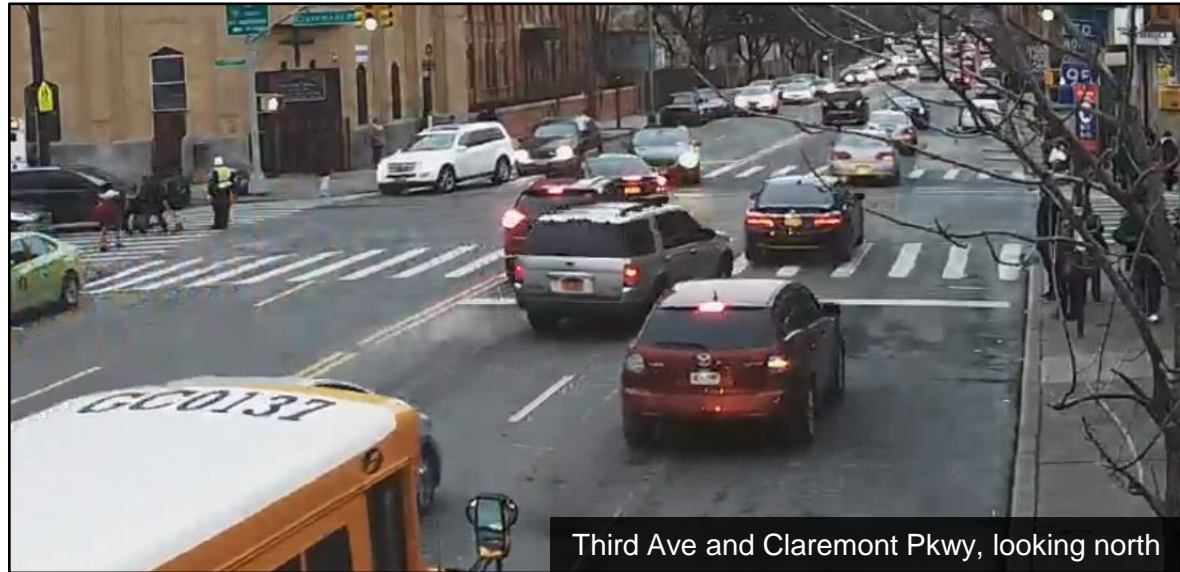
Fatalities, 01/01/2010-9/19/2016 : 2

Source: Fatalities: NYCDOT
Injuries: NYS DOT
KSI: Persons Killed or Severely Injured

BACKGROUND

Corridor Safety – Shared Through / Left Turn Lane

- Local truck route
- Bx15 bus route
- Shared through/ left turn lane causes unpredictable maneuvers



BACKGROUND

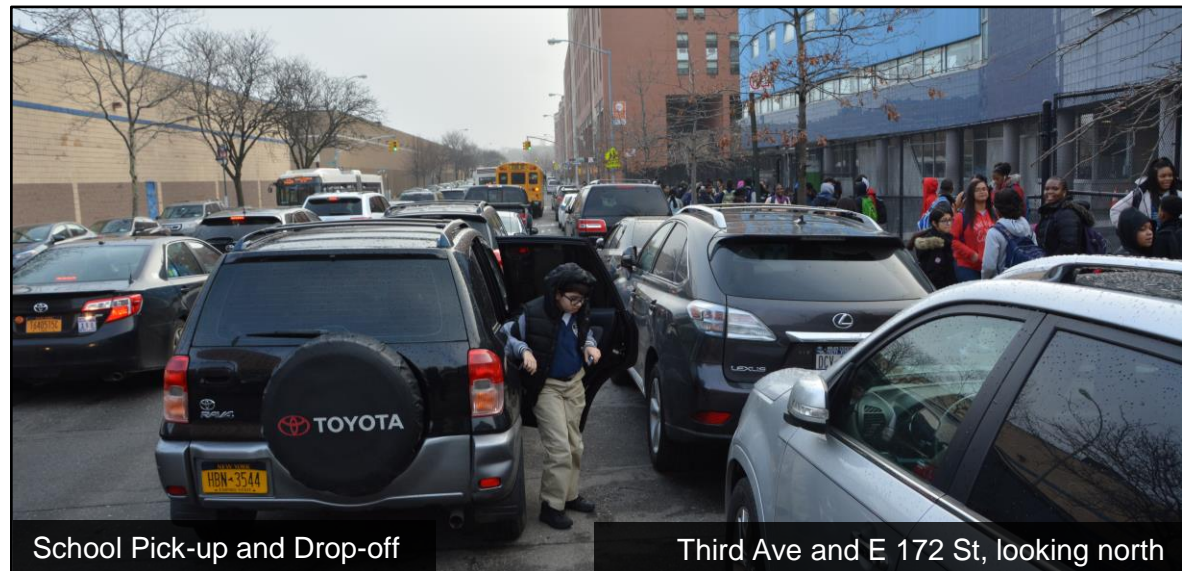
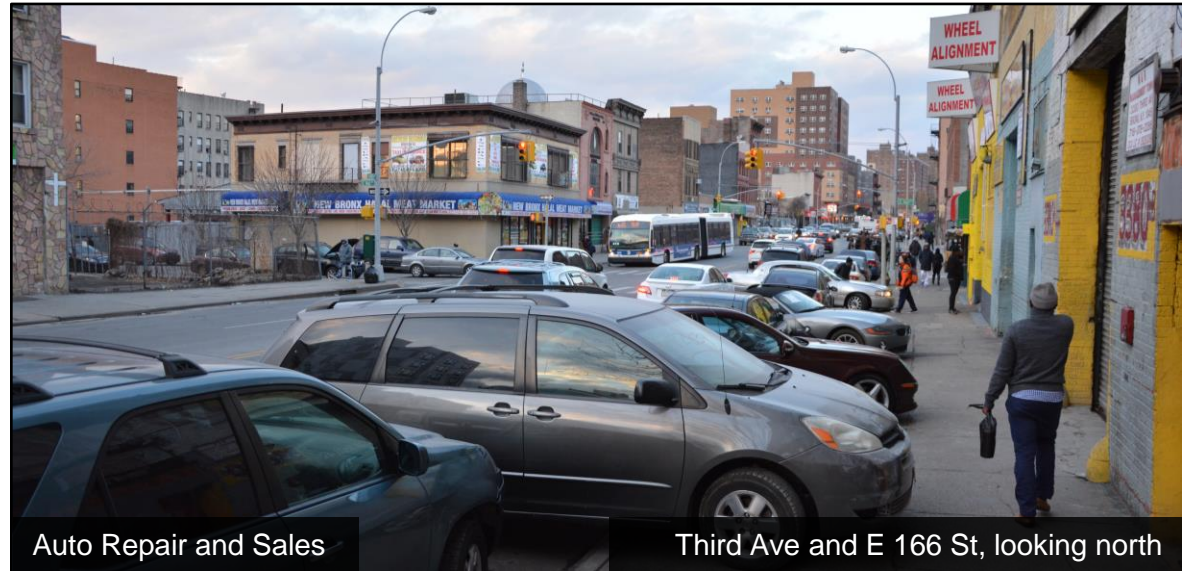
Intersection Safety

- Long pedestrian crossings
- Driver confusion
- Drivers take turns at high speeds



Corridor Safety – Illegal Stopping, Standing, and Parking

- Creates dangerous conditions:
 - Poor visibility for pedestrians
 - Unpredictable vehicle movements
 - Passengers boarding/alighting in travel lane
- Includes:
 - Auto repair and sales
 - School pick-up and drop-off
 - Commercial vehicles
 - Passenger vehicles



BACKGROUND

Corridor Safety – Illegal Stopping, Standing, and Parking

- Double Parking Observed**
- Auto garages and car sales
 - School pick-up and drop-off
 - Commercial vehicles
 - Passenger vehicles
 - School

Third Ave is signed for Alternate Side Parking today with limited truck loading regulations



PROPOSAL

Proposed Configuration - Third Ave (E 164 St – E Tremont Av)

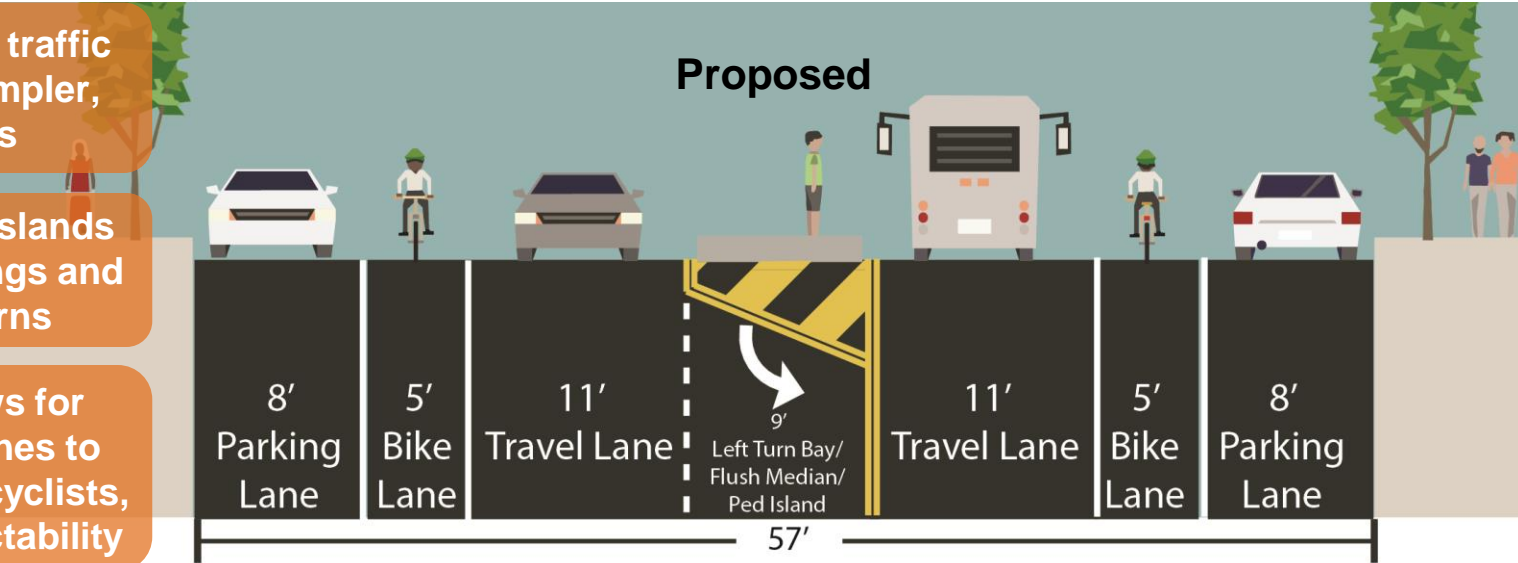
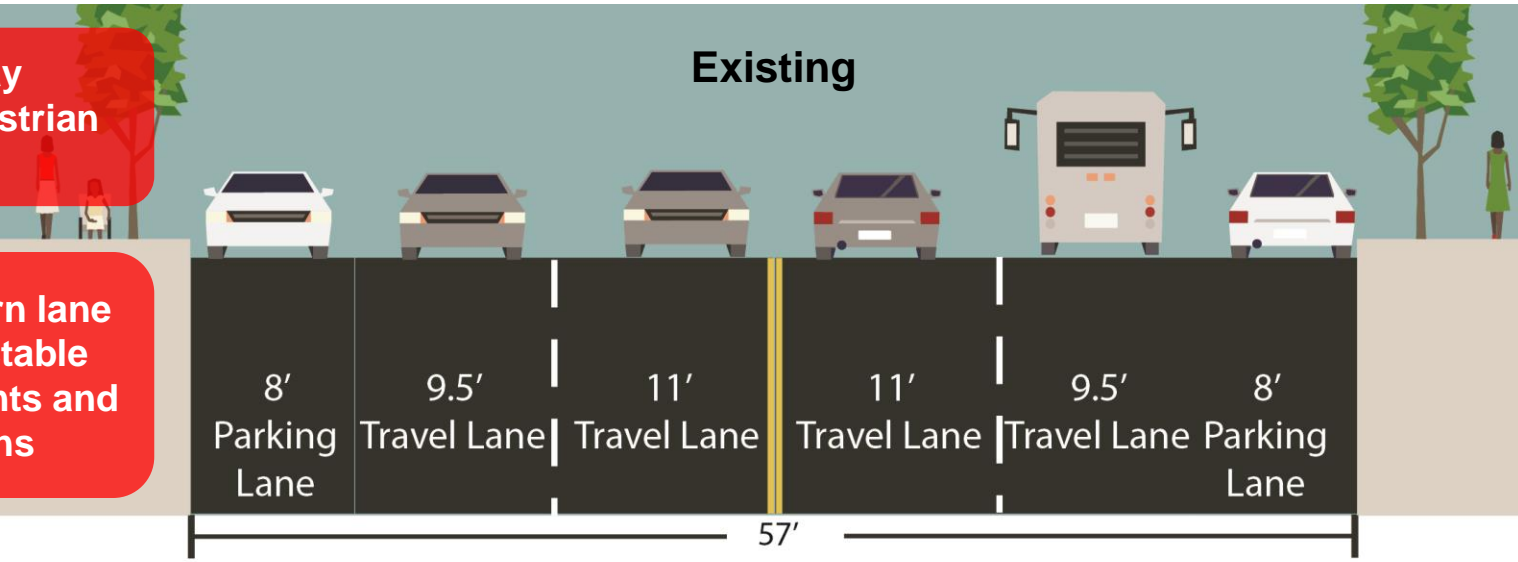
Wide Roadway creates long pedestrian crossings

Shared thru/left turn lane leads to unpredictable vehicular movements and unsafe left turns

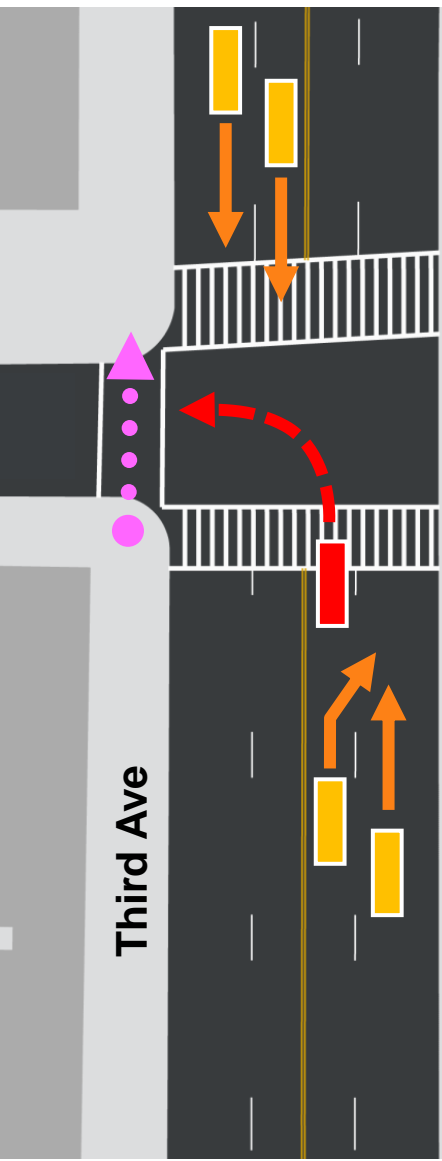
Turn bays improve traffic flow and create simpler, safer left turns

Pedestrian refuge islands create safer crossings and safer vehicle turns

Extra space allows for addition of bike lanes to dedicate space for cyclists, and increase predictability



Proposed Configuration - Third Ave (E 164 St – E Tremont Av)

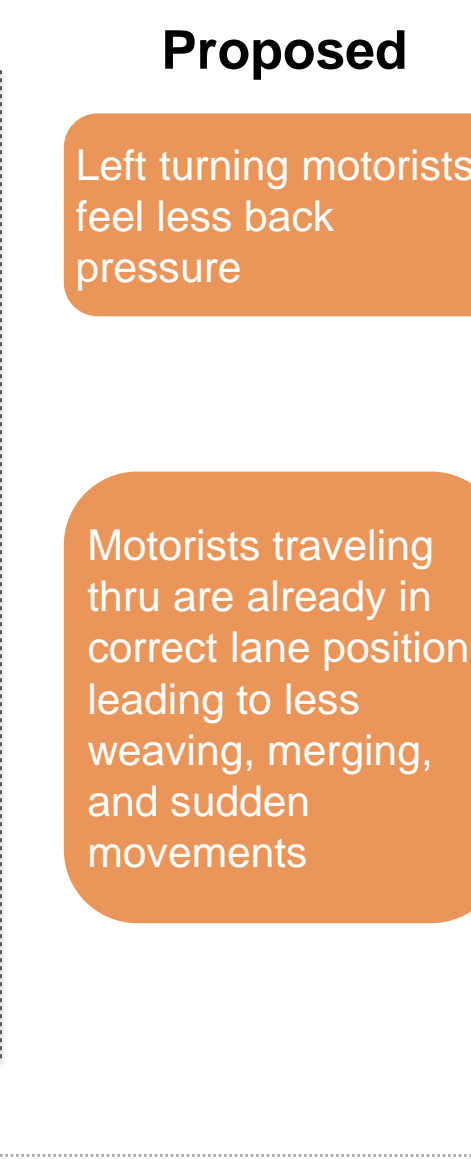


Existing

Left turning motorists feel back pressure from thru vehicles

Motorists traveling thru:

- get stuck behind left turning vehicles
- weave or merge into right lane



Proposed

Left turning motorists feel less back pressure

Motorists traveling thru are already in correct lane position, leading to less weaving, merging, and sudden movements

Example of Proposed Design



Maintain Consistent Moving Lane
reduces speeding, reduces conflict

Left Turn Bays
organize traffic and create safer left turns

© NYC DOT

Empire Boulevard, Brooklyn

Safety Results from Similar Treatments

4 Lane to 3 Lane Traffic Calming Projects	Crashes with Injuries (% Change)
West 6 th Street, BK	-24%
Empire Boulevard, BK	-15%
Allerton Avenue, BX	-28%
Gerritsen Avenue, BK	-40%
Southern Boulevard, BX	-20%
Randall Avenue, BX	-22%
Macombs Road, BX	-44%

Reducing the number of travel lanes and installing bike lanes improves safety for all street users



PROPOSAL

Intersection Improvements – Pedestrian Refuge Islands

Construct 15 pedestrian islands at:

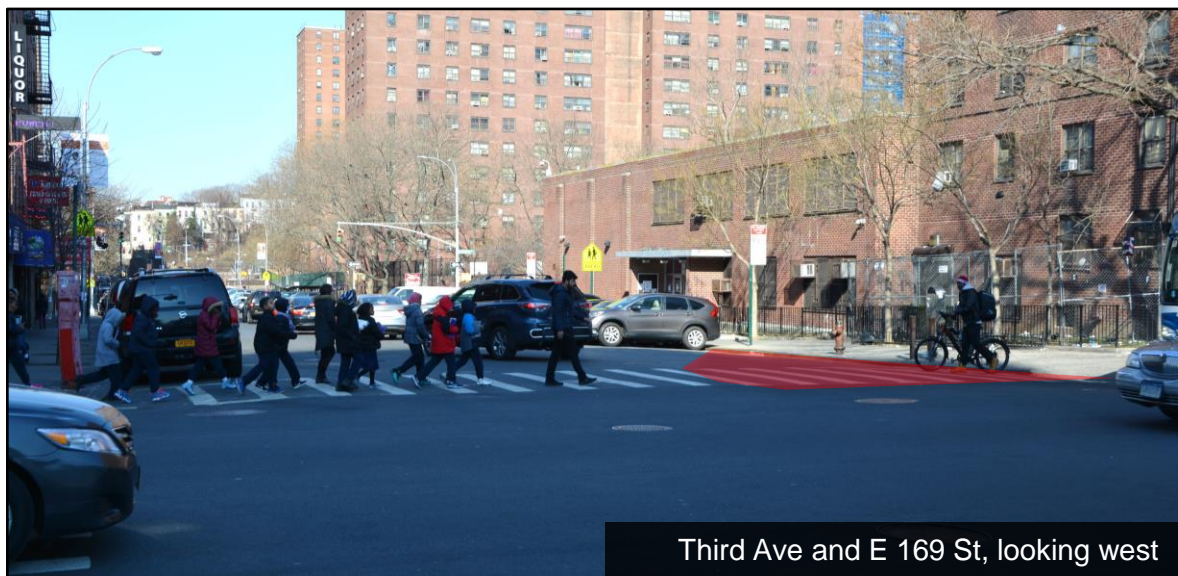
- E 164 St (2)
- E 165 St
- E 166 St (3)
- E 169 St
- E 169 – E 170 St
- E 170 St
- St Pauls Pl
- E 171 St
- E 172 St
- E 173 St
- E 174 St
- Cross Bronx Service Rd S



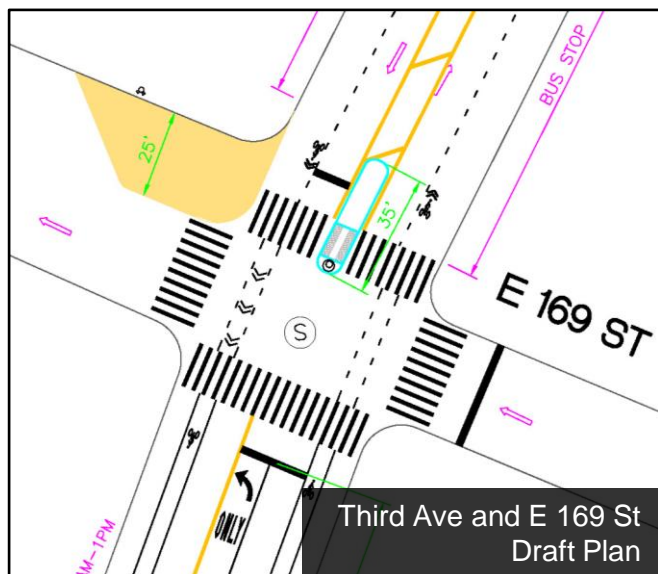
PROPOSAL

Painted Curb Extension at E 169 St

- Existing width of E 169 St encourages unsafe vehicle turns
- Existing fire hydrant and No Standing Anytime regulations prevent parking on northwest corner
- Proposed painted curb extension on northwest corner:
 - controls vehicle turns
 - shortens pedestrian crossing
 - aligns intersection
 - improves safety



Third Ave and E 169 St, looking west



Third Ave and E 169 St
Draft Plan



Third Ave and E 169 St, looking east

Bx15 Proposed Bus Stop Changes



THANK YOU!

Questions?



Contact: NYCDOT Bronx Borough Commissioner's Office – (212) 748-6680



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