



THIRD AVENUE

School Safety Improvements

Presentation to CB 6

June 16, 2017



BACKGROUND

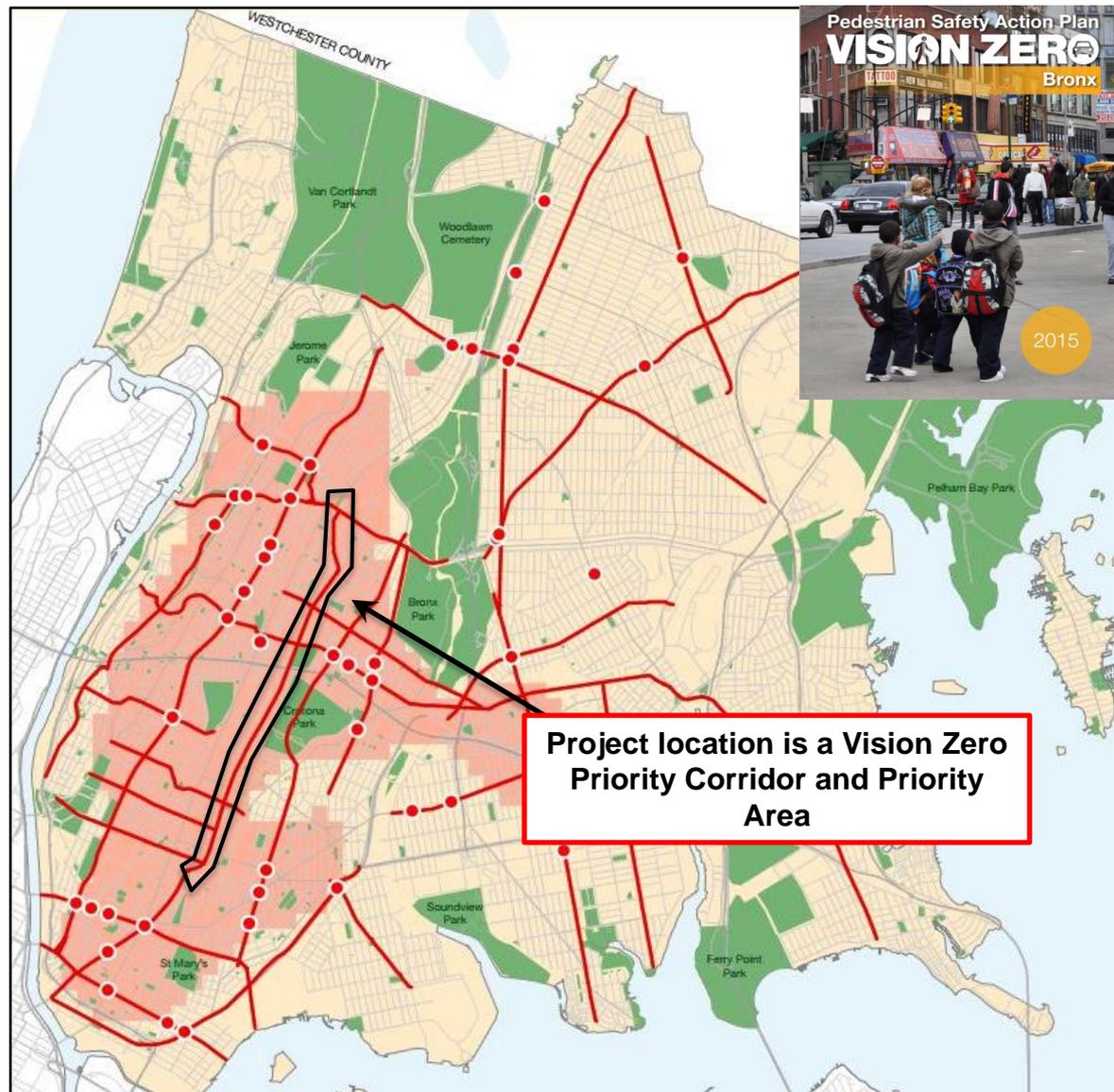
Bronx Vision Zero Priority Geographies

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

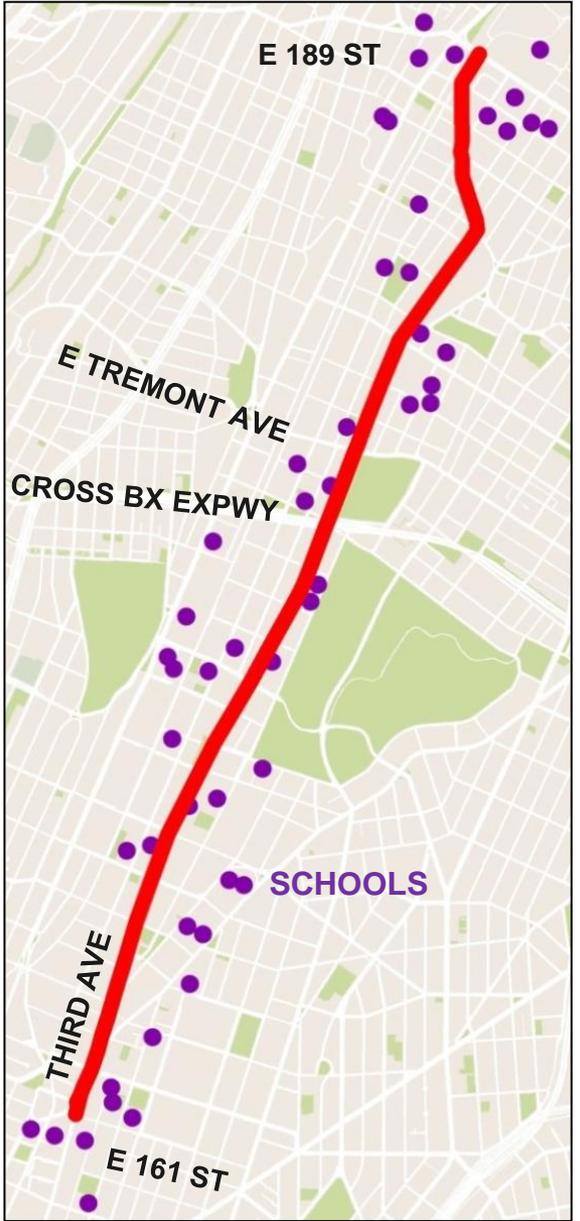
- Priority Corridor
- Priority Area



BACKGROUND

Schools

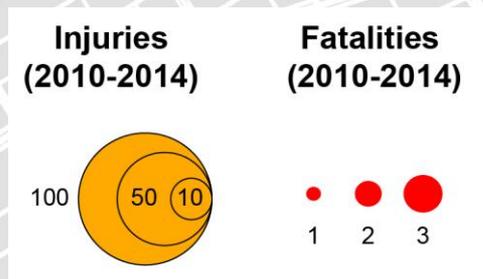
More than 40 schools within a 5-minute walk of Third Ave, between E 189 St and E 161 St



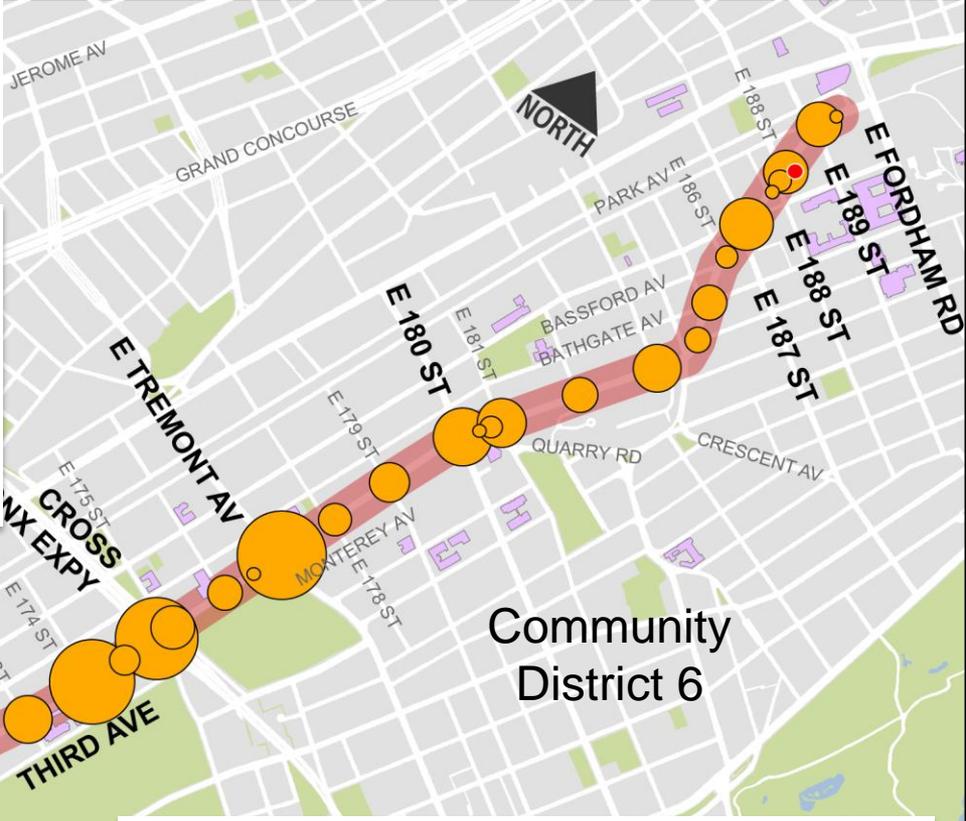
BACKGROUND

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



School



Community District 6

Community District 3

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

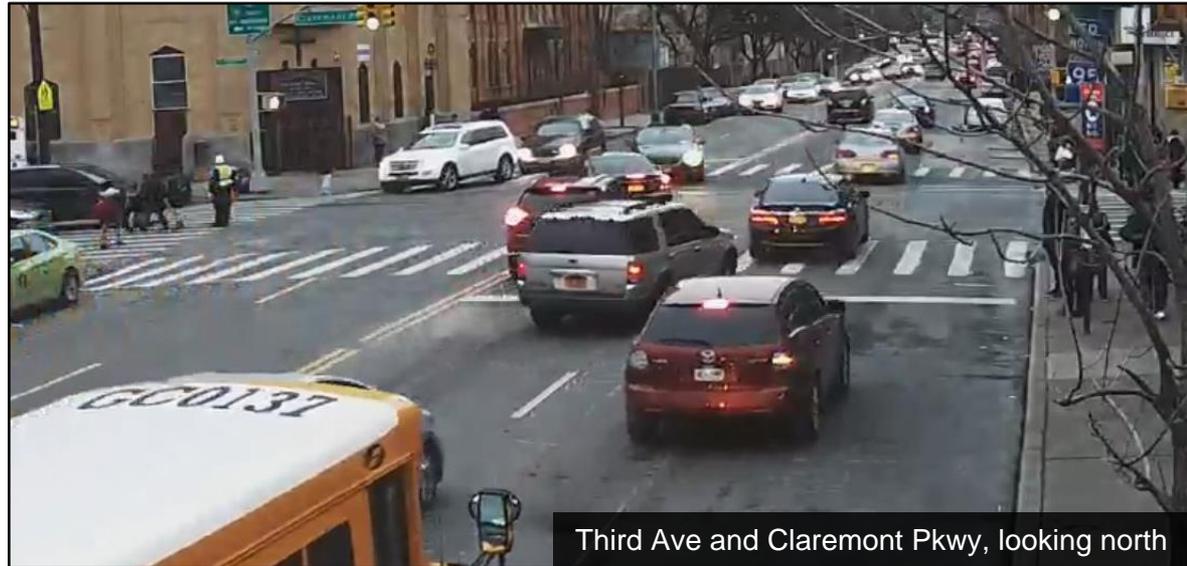
Overview of Proposal



BACKGROUND

Corridor Safety – Shared Through / Left Turn Lane

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



BACKGROUND

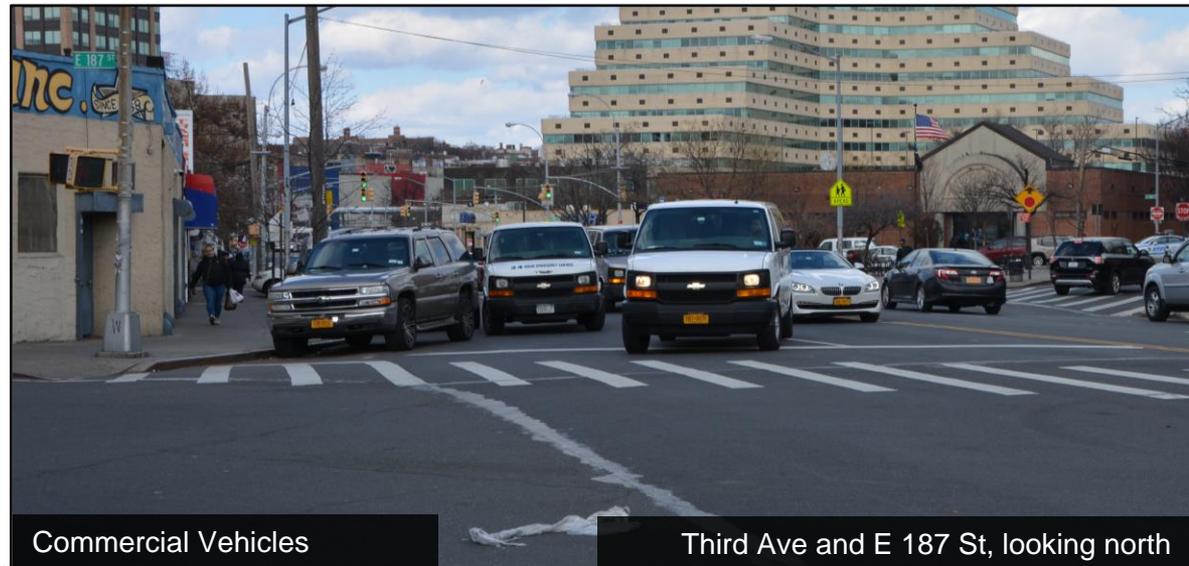
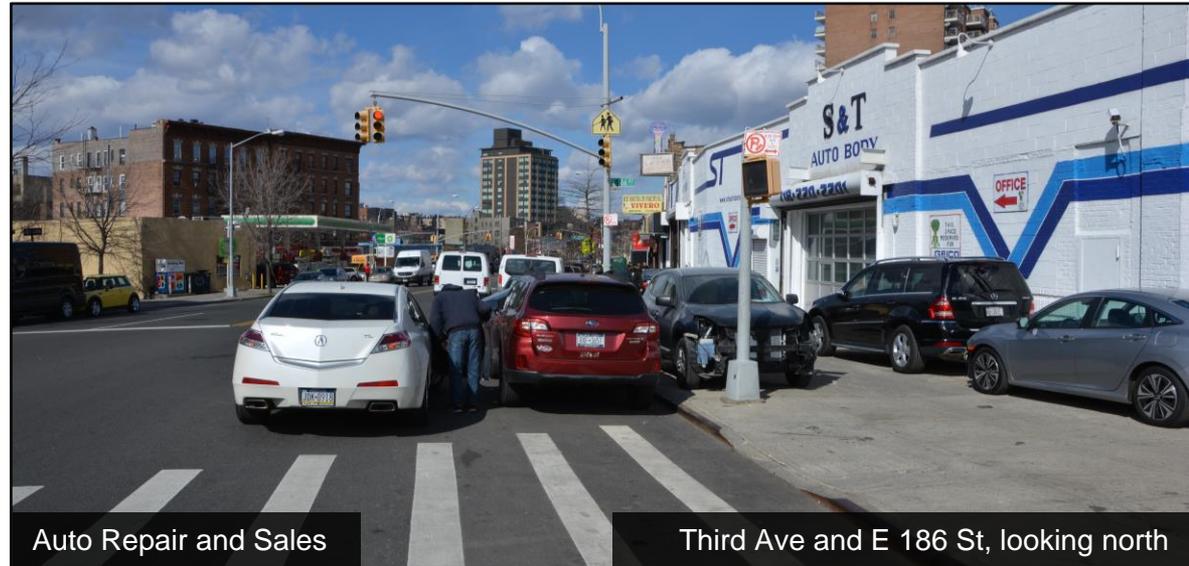
Intersection Safety

- 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

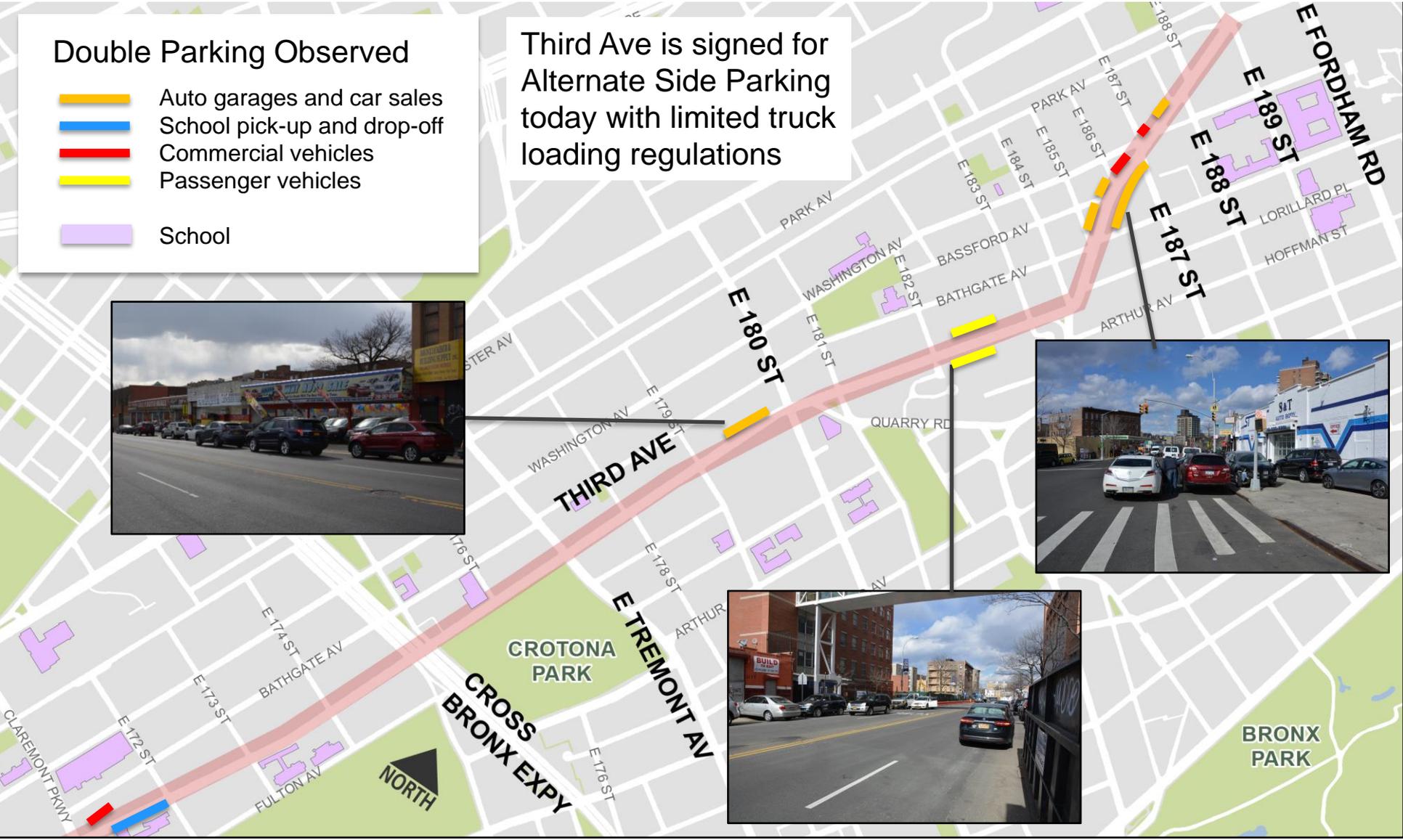
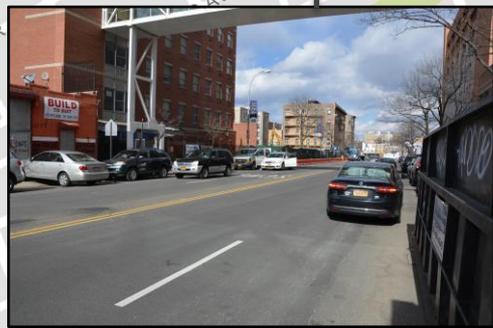
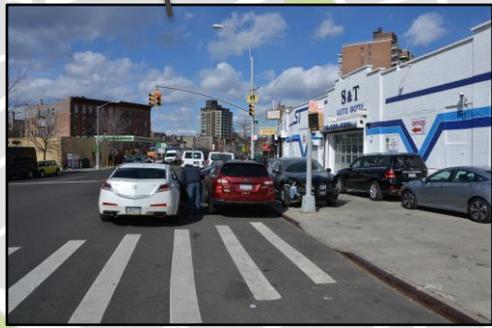


BACKGROUND

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)

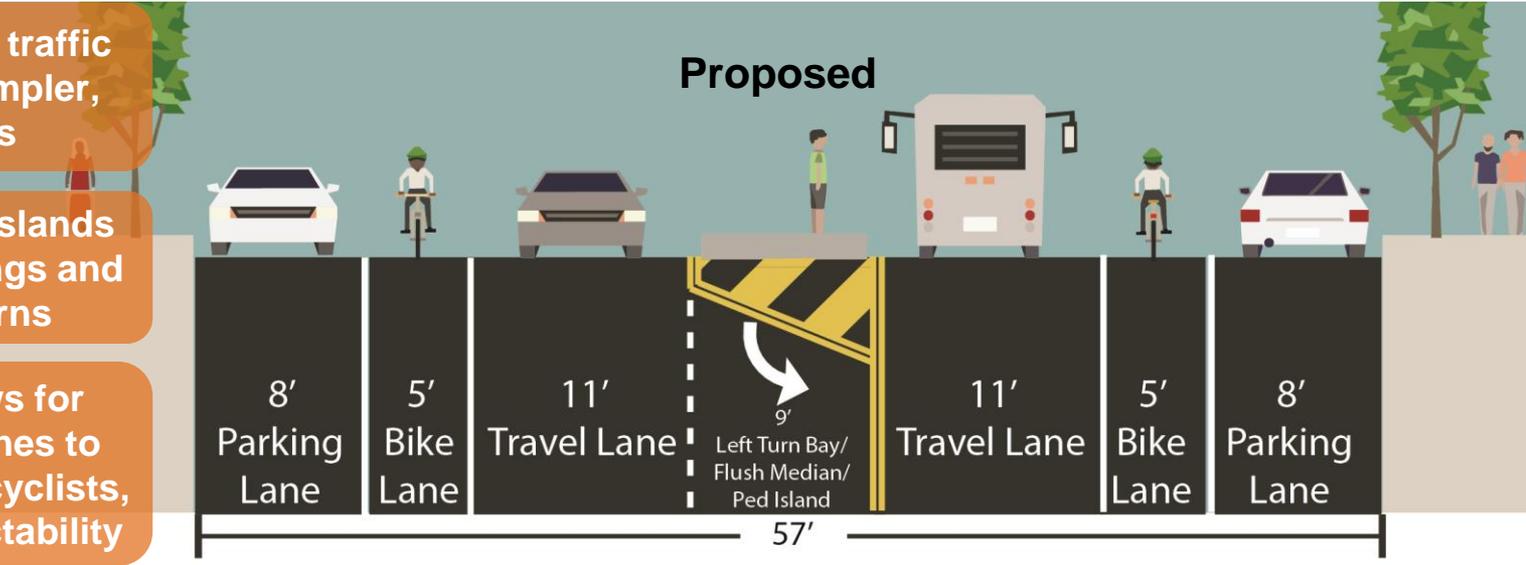
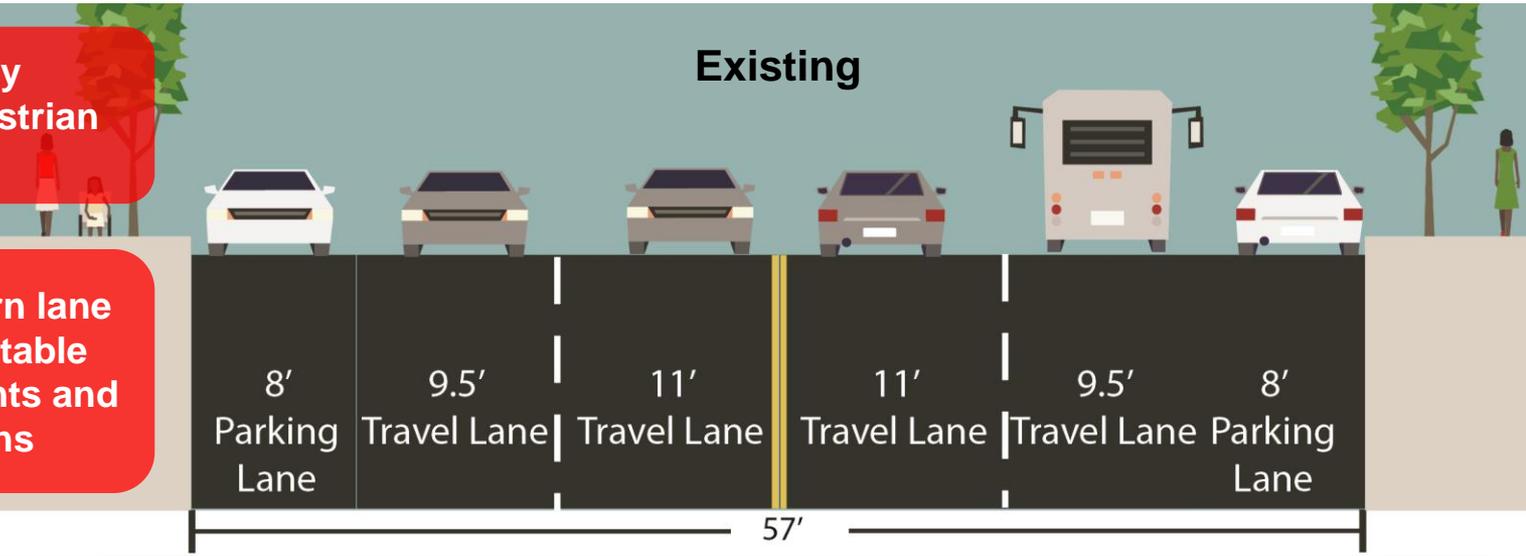
Wide Roadway creates long pedestrian crossings

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

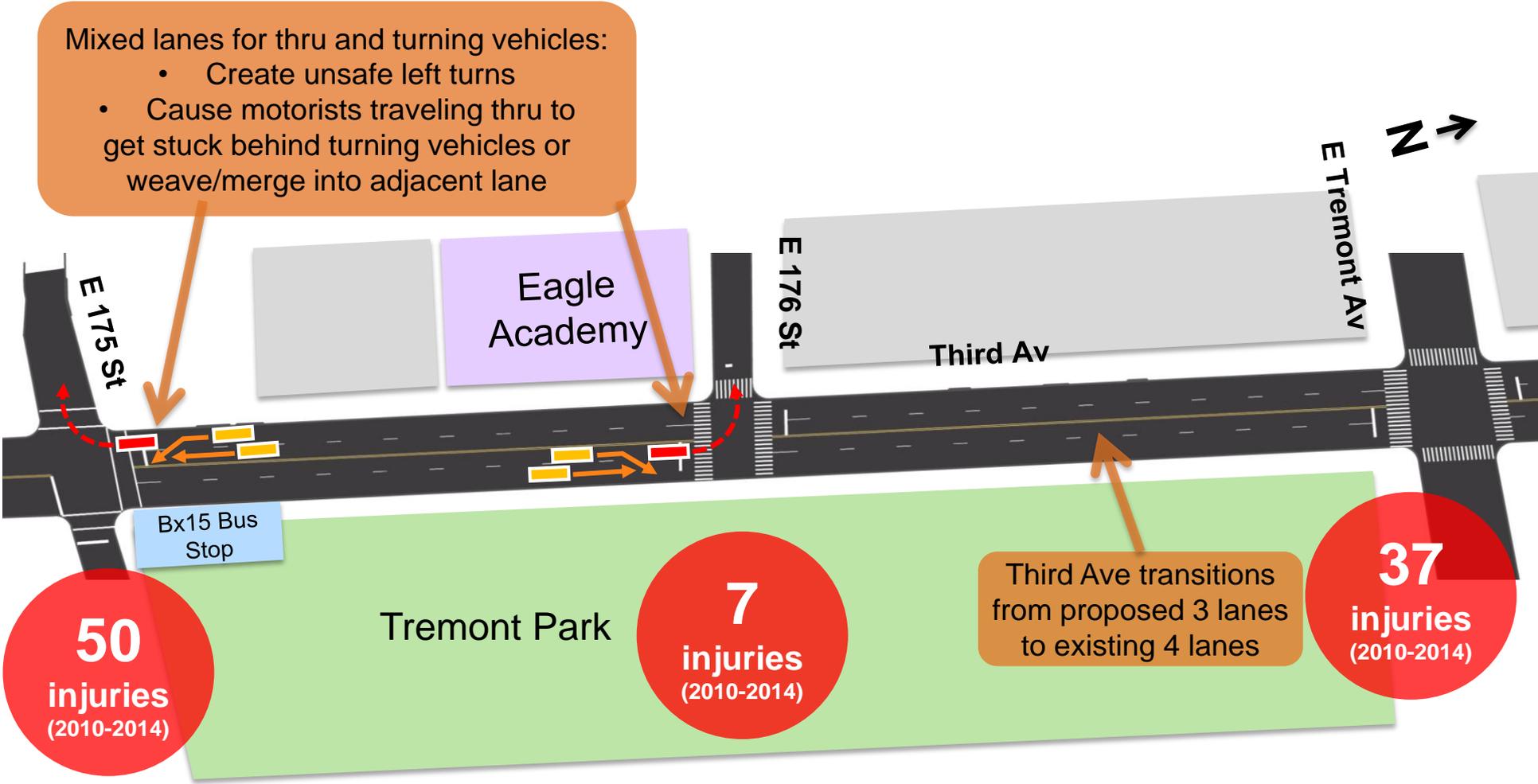
Extra space allows for addition of bike lanes to dedicate space for cyclists, and increase predictability



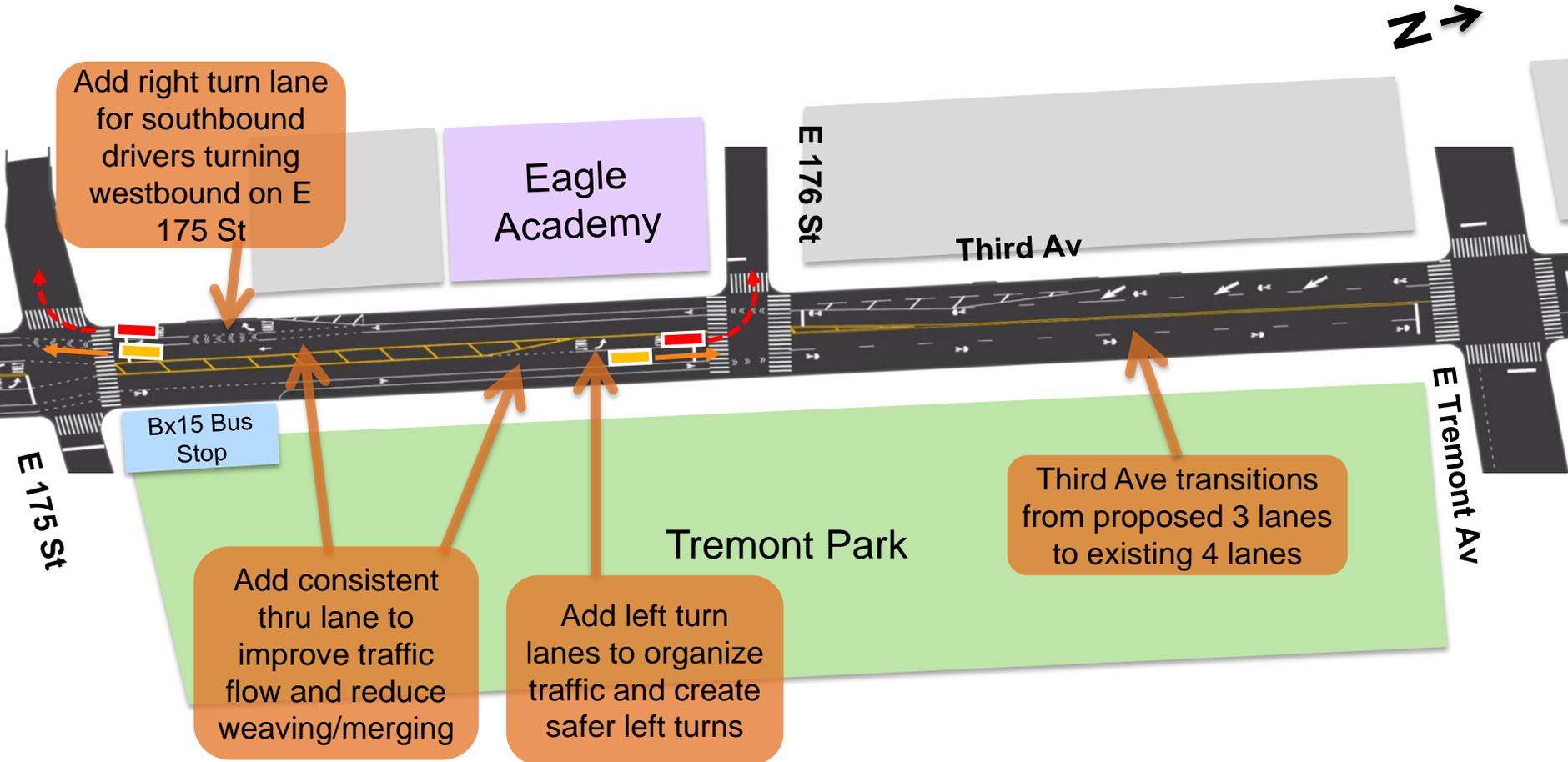
Existing Configuration - Third Ave (E 175 St – E Tremont Av)

Mixed lanes for thru and turning vehicles:

- Create unsafe left turns
- Cause motorists traveling thru to get stuck behind turning vehicles or weave/merge into adjacent lane



Proposed Configuration - Third Ave (E 175 St – E Tremont Av)



Evaluation of Lane Removal

Congested Lane



- 700 vehicles per hour or above

Existing (2 lanes)

- Maximum* 251 vehicles per lane

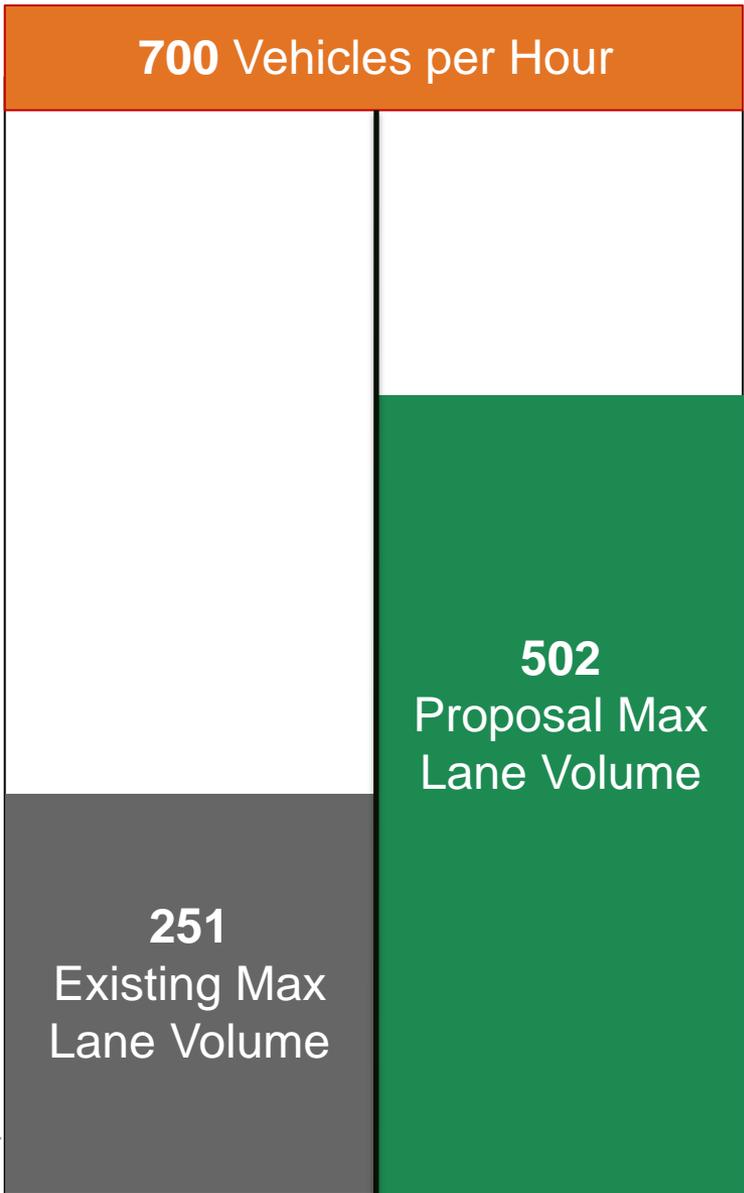
Proposal (1 lane + left turn bays)

- Maximum 502 vehicles per lane

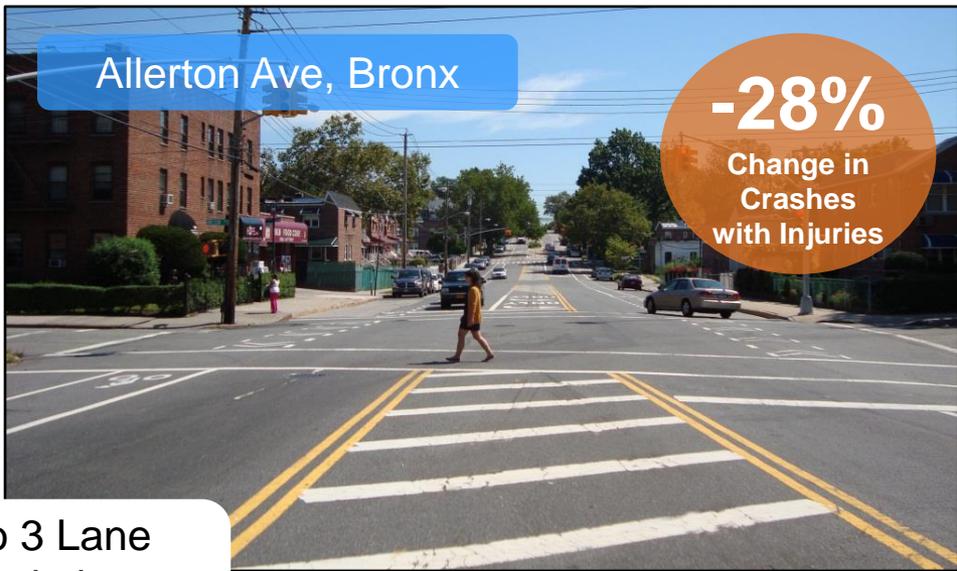
*Maximum Recorded Peak Volume (AM & PM) at Third Ave, between E Tremont Ave and E 176 St

Signal Timing

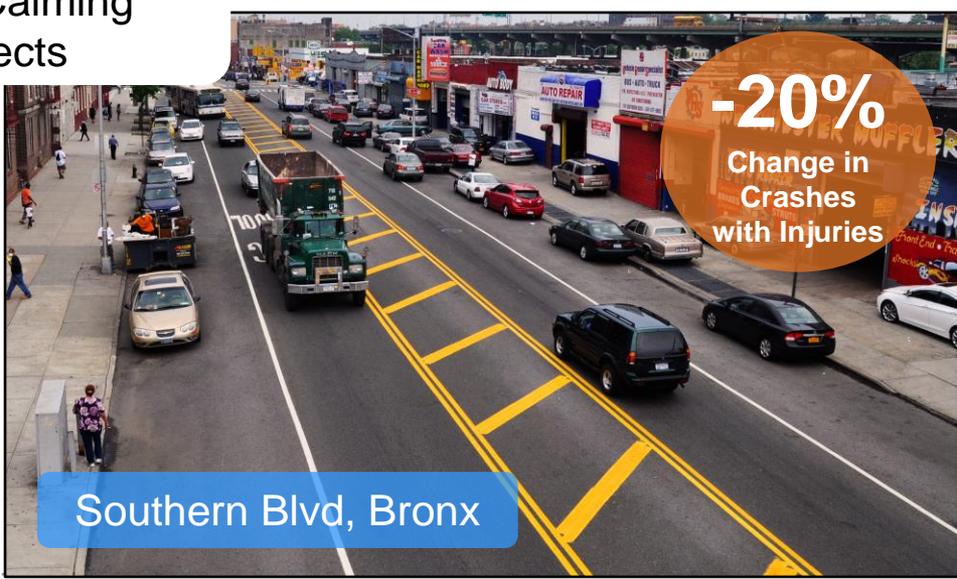
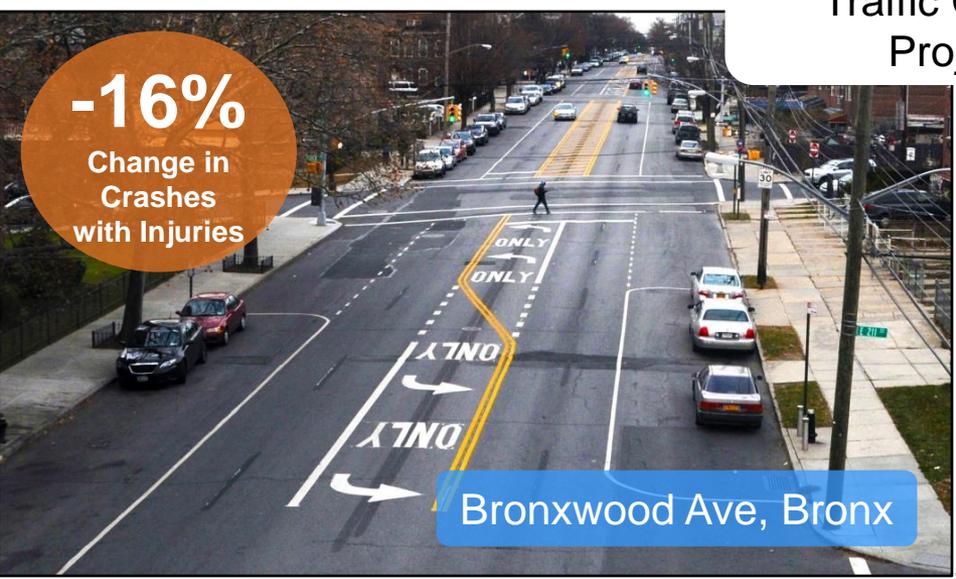
- Modify signal timing on Third Ave between E Tremont Ave and Cross Bronx Expy to improve traffic flow and improve left turns



Safety Results From Similar Treatments



4 Lane to 3 Lane Traffic Calming Projects



EXISTING CONDITION

Third Ave and Cross Bronx Expy Service Rd S

Mixed lanes for thru and turning vehicles:

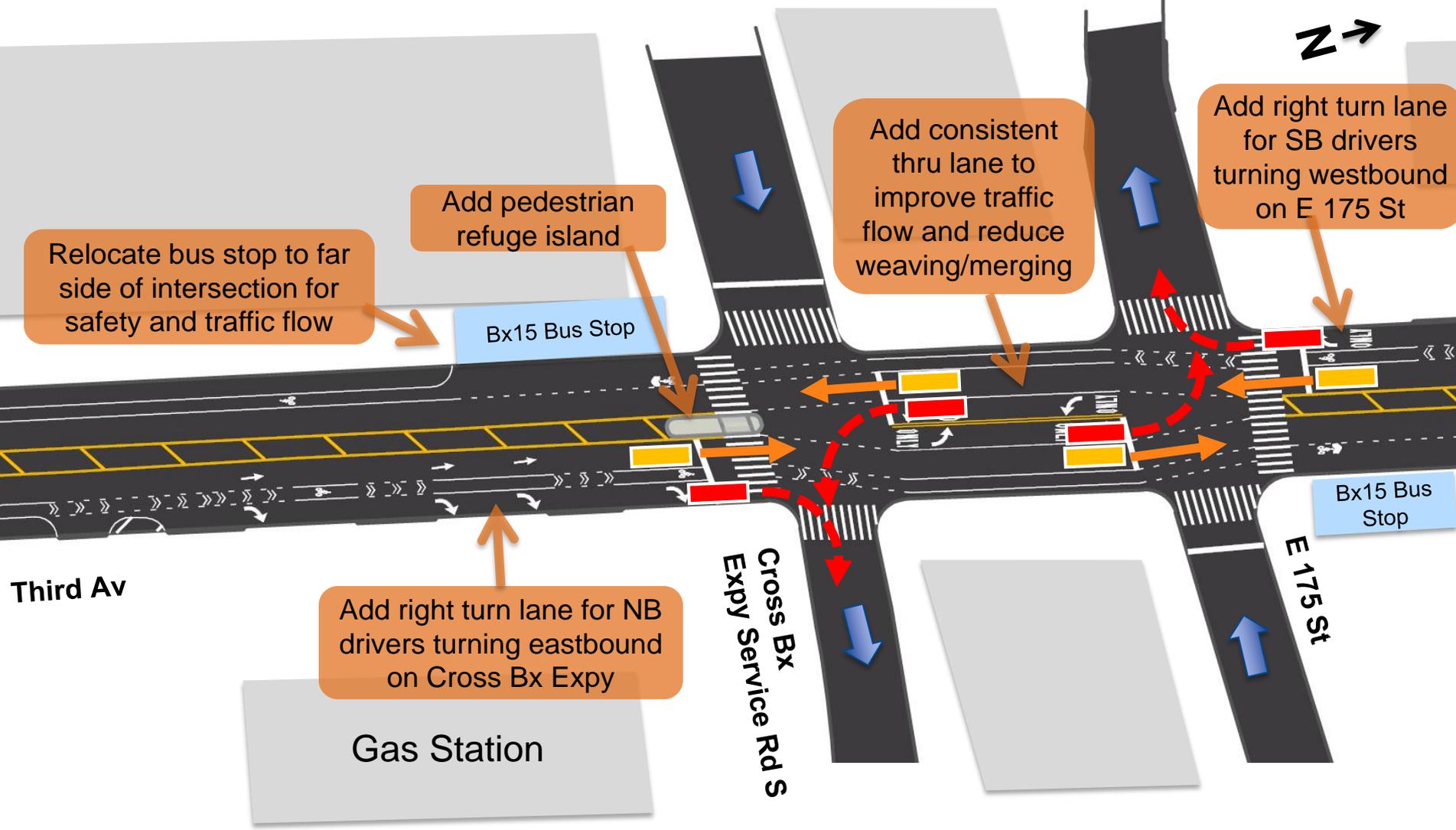
- Create unsafe left turns
- Cause motorists traveling thru to get stuck behind turning vehicles or weave/merge into adjacent lane

Bus stop location conflicts with turning movements and traffic flow

50
injuries
(2010-2014)



Third Ave and Cross Bronx Expy Service Rd S



Concrete Curb Extension at E 187 St and Washington Av

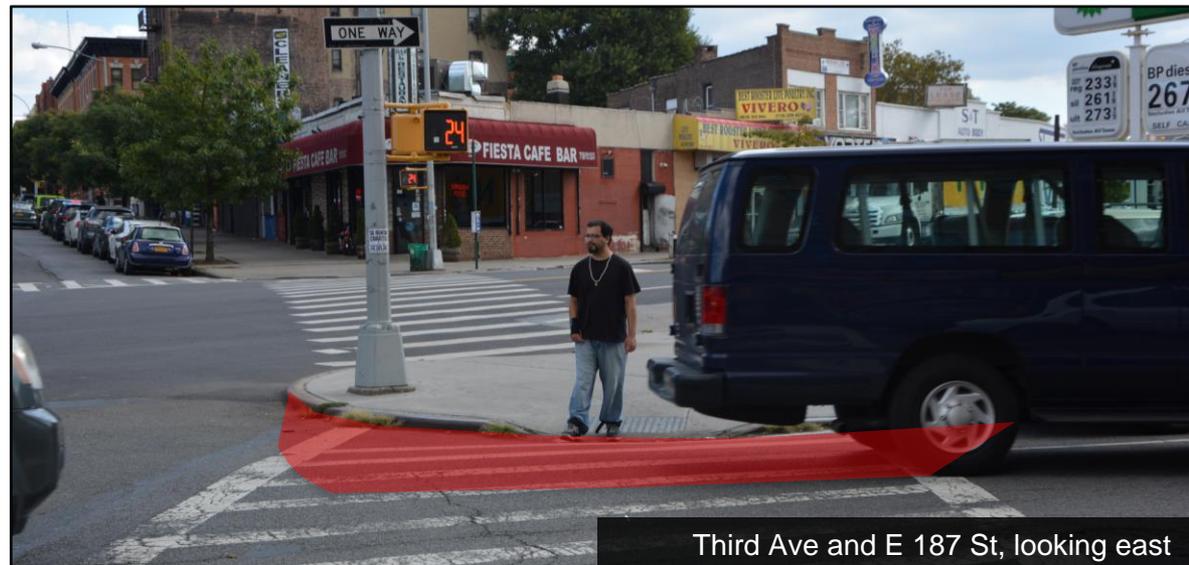
- Complex intersection
- Existing width of crossing encourages unsafe vehicle turns onto Washington Av
- Proposed concrete curb extension on southwest corner of Washington Av at Third Av:
 - controls vehicle turns
 - shortens pedestrian crossing
 - aligns intersection
 - improves safety



Third Ave and E 187 St, looking south on Washington Av



Third Ave and E 187 St
Draft Plan

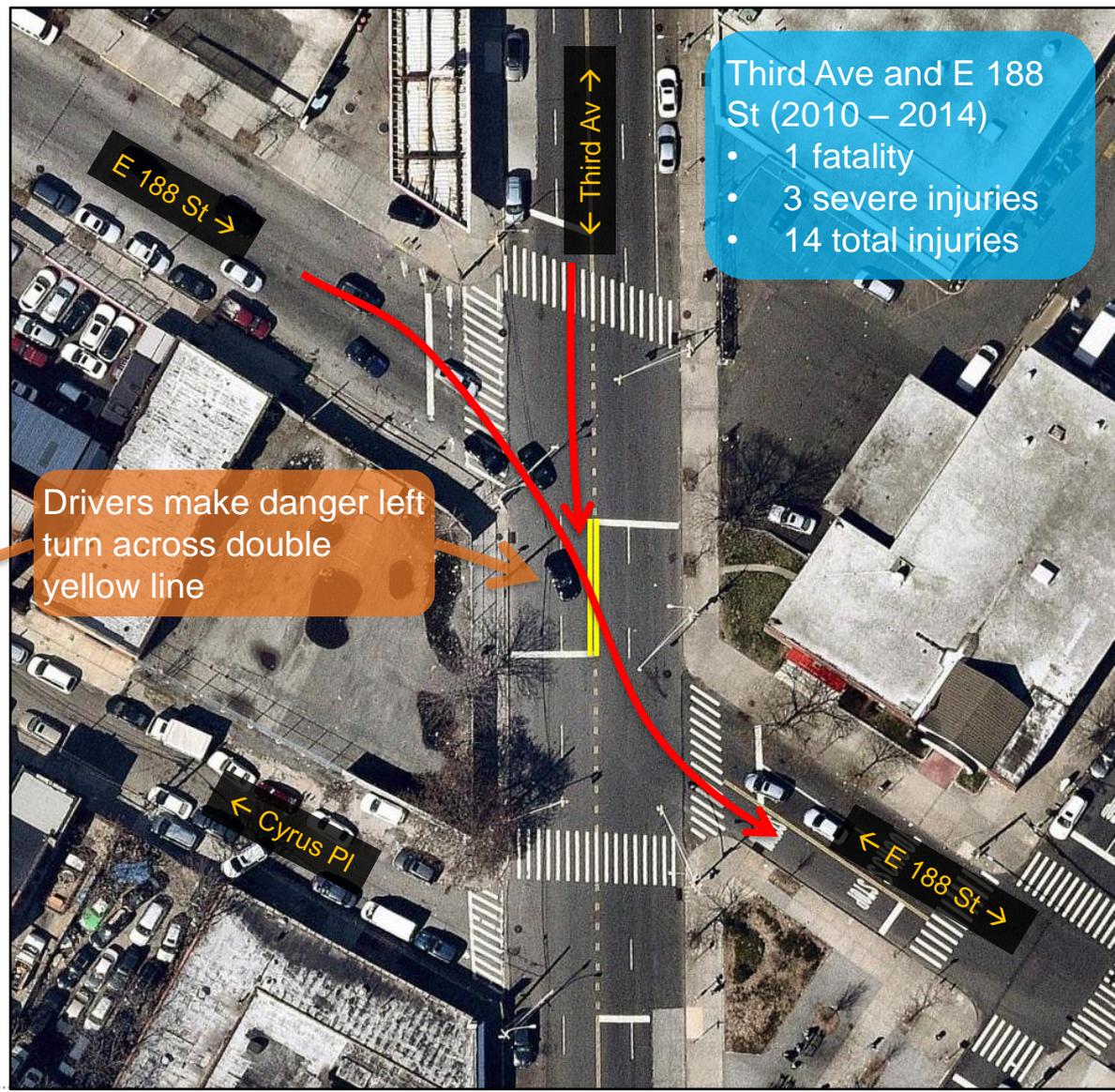


Third Ave and E 187 St, looking east

PROPOSAL

Hardened Centerline at E 188th St

- Offset intersection
- Drivers make unsafe left turns onto E 188 St across double yellow line
- Proposed hardened centerline:
 - calms left turns
 - increases motorist visibility of pedestrians in crosswalk



THANK YOU!

Questions?



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



NYC DOT



NYC DOT



nyc_dot



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