



# Third Avenue, East 189th Street to East Tremont Avenue

School Safety Improvements

Presented to CB6 | January 21, 2021



# Third Ave, E 189<sup>th</sup> St to E Tremont Ave

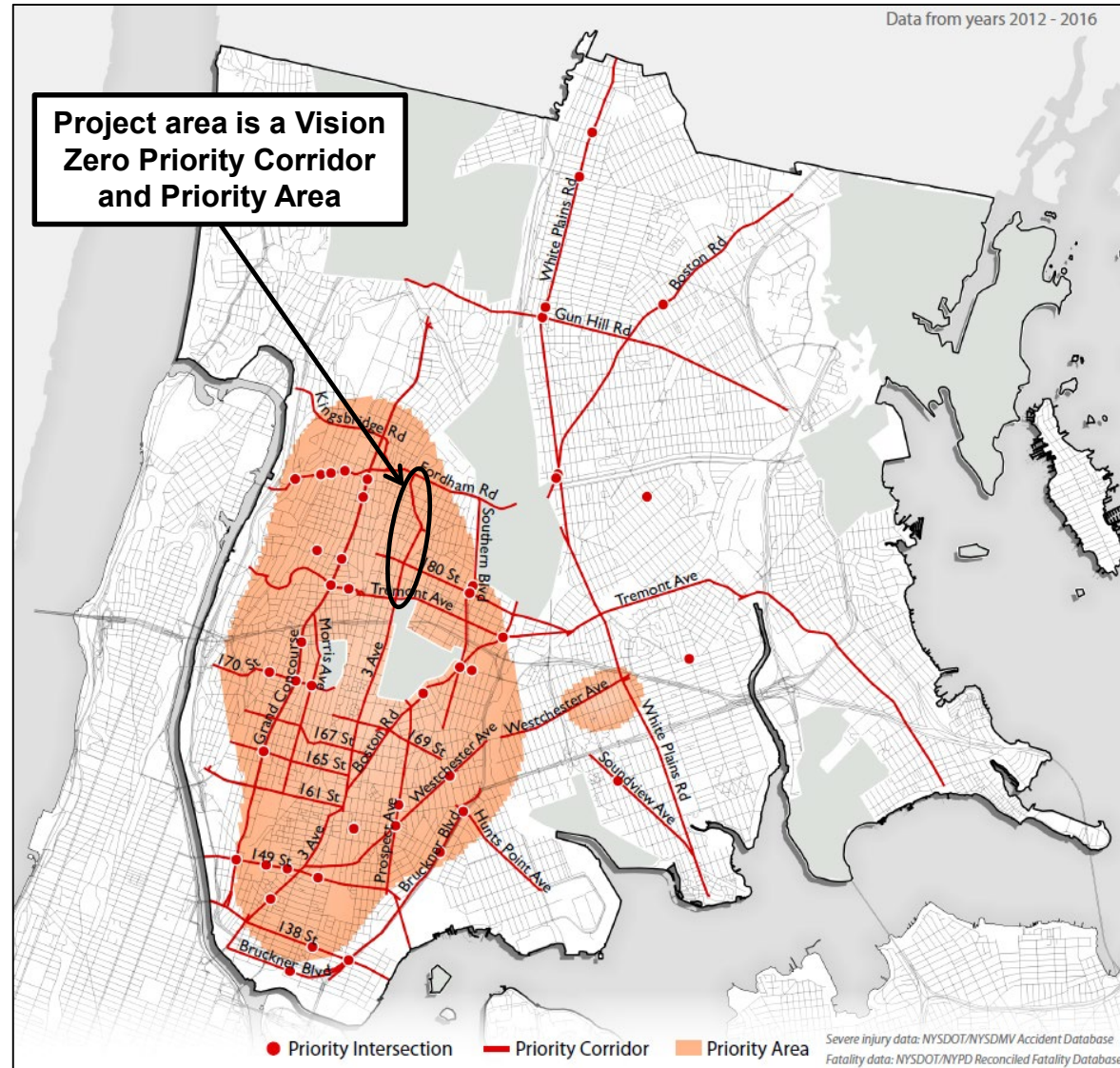
## Vision Zero Priority

### Vision Zero

- Multi-agency effort to reduce traffic fatalities in NYC
- Borough Action Plans released in 2019
- Priority Intersections, Corridors, and Areas identified for each borough

### Third Ave

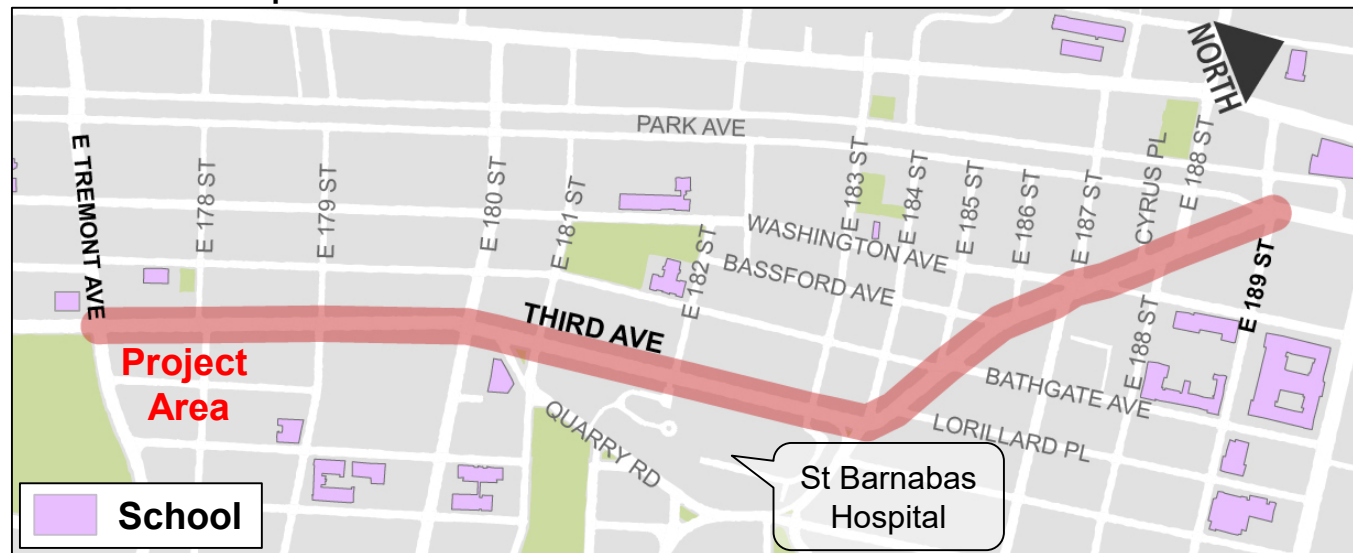
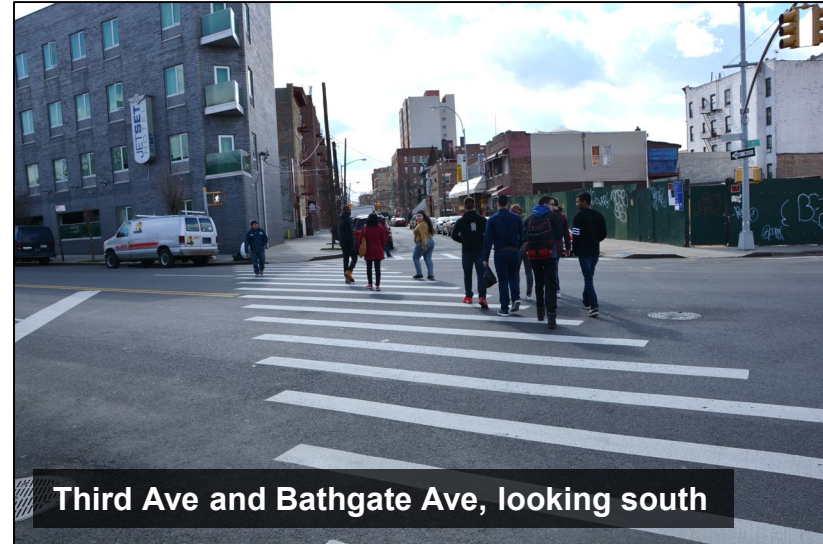
- Priority Corridor
- Located in a Priority Area



# Third Ave, E 189<sup>th</sup> St to E Tremont Ave

## Project Area

- 20 schools within a 5-minute walk of Third Ave, E 189 St to E Tremont Ave
- High volumes of students around arrival and dismissal times
- Bx15 bus route
- Local Truck Route
- School Safety Improvements implemented on Third Ave, from E Tremont Ave to E 163 St, from 2017-2019



# Third Ave, E 189<sup>th</sup> St to E Tremont Ave

## Safety Data (2013-2017)

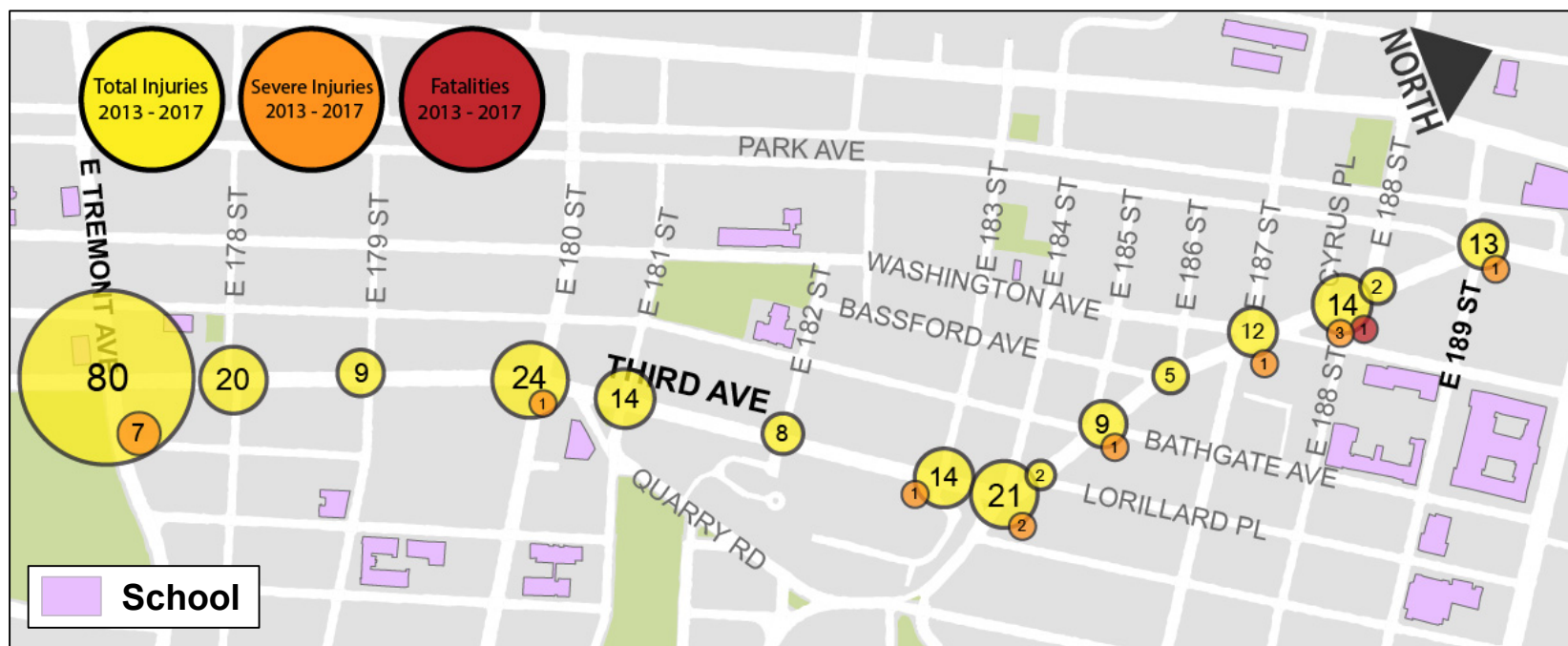
- 222 total injuries
- 14 severe injuries
- 28% of severe injuries were pedestrians
- Left turns and rear end collisions comprise 37% of motor vehicle crashes

Injury Summary, 2014-2018 (5 Years)

	Total Injuries	Severe Injuries	Fatalities	KSI
Pedestrian	79	5	0	5
Bicyclist	14	1	0	1
Motor Vehicle Occupant	154	11	1	12
Total	247	17	1	18

Source: Fatalities: NYCDOT, Injuries: NYSDOT KSI: Persons Killed or Severely Injured

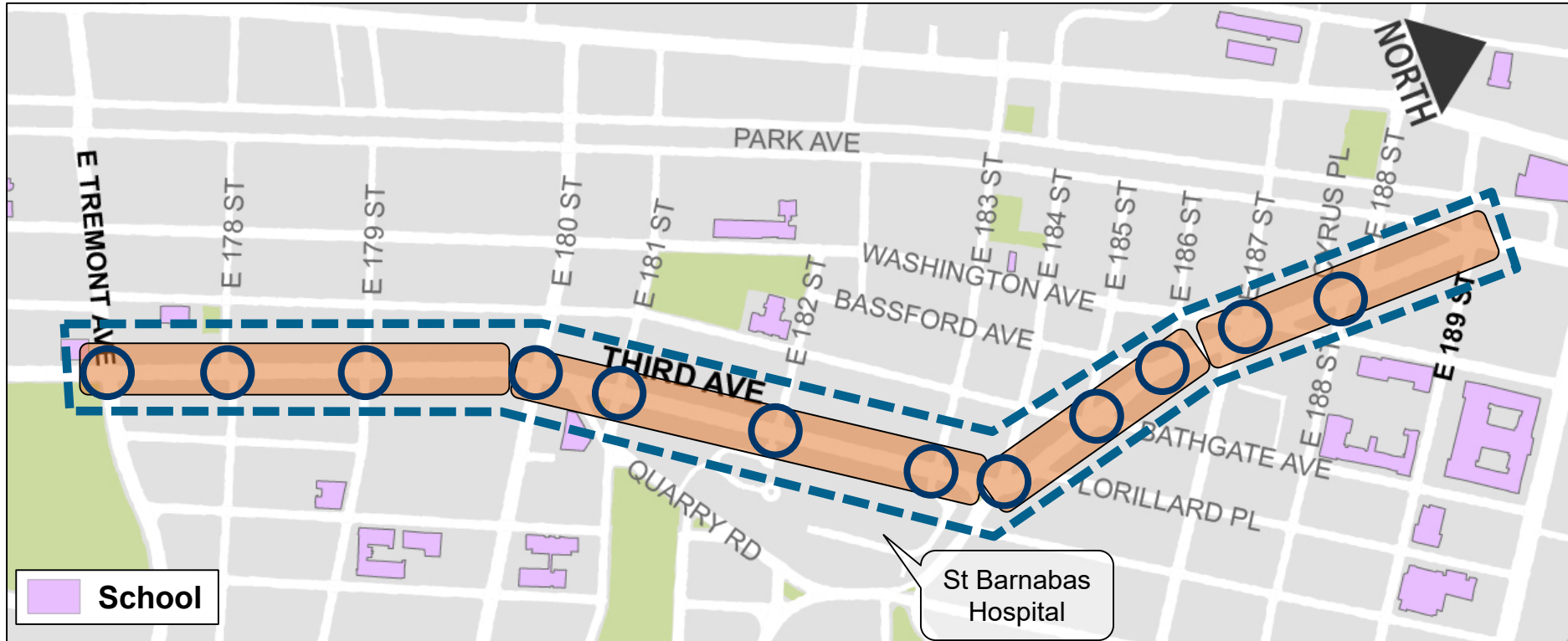
Note: Map may not include total or severe injuries that occurred at midblock locations. Data is based off of NYSDOT/NYS DMV crash and injury data available as of October 2020.





# Third Ave, E 189<sup>th</sup> St to E Tremont Ave

## Presentation Overview



1  
Corridor Improvements

2  
Intersection  
Improvements

3  
Proposal Details

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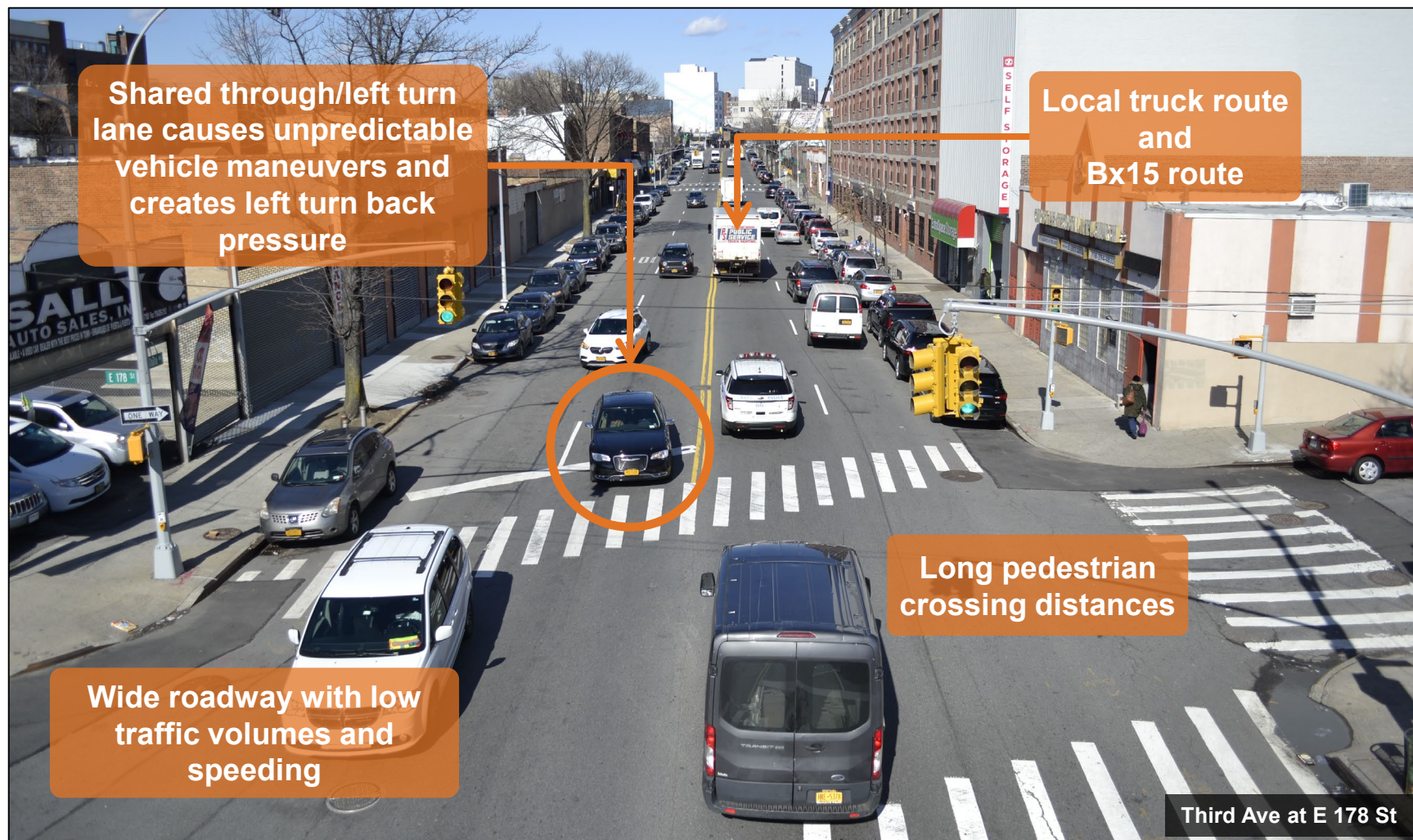
## Corridor Improvements

# 1



# Third Ave, E 189<sup>th</sup> St to E Tremont Ave

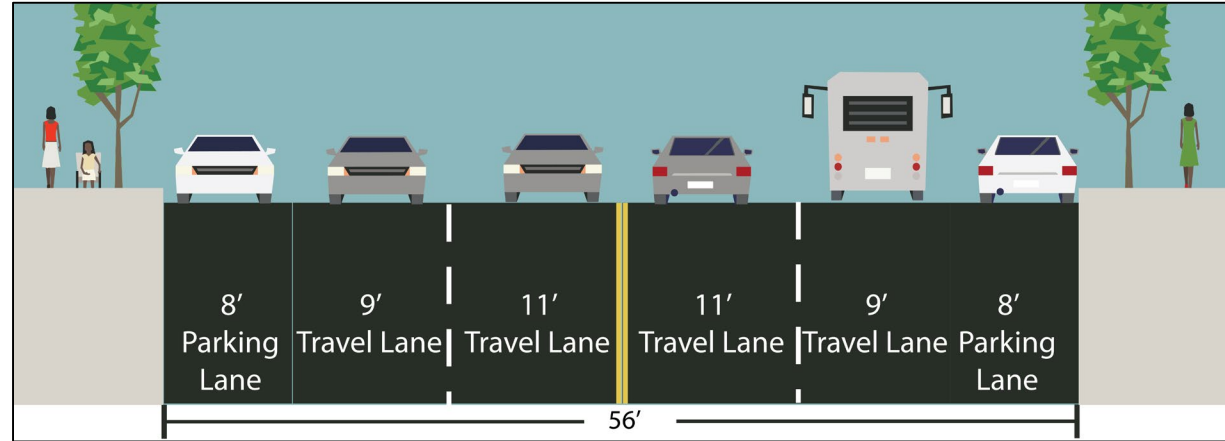
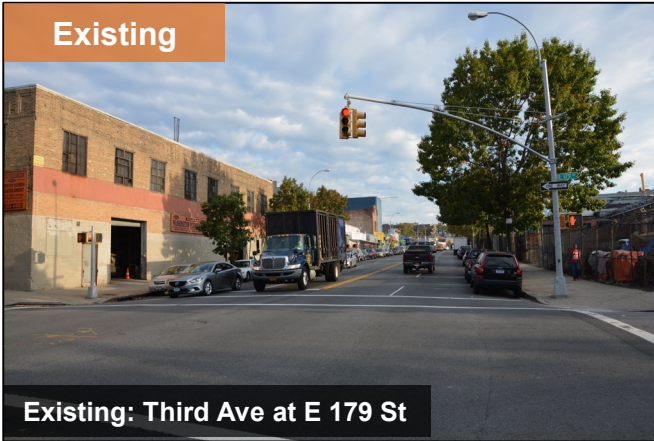
## Existing: Wide Street with Left Turn Vehicle Conflicts



# Third Ave, E 189<sup>th</sup> St to E Tremont Ave

## Proposal: 4- to 3-Lane Conversion

Existing

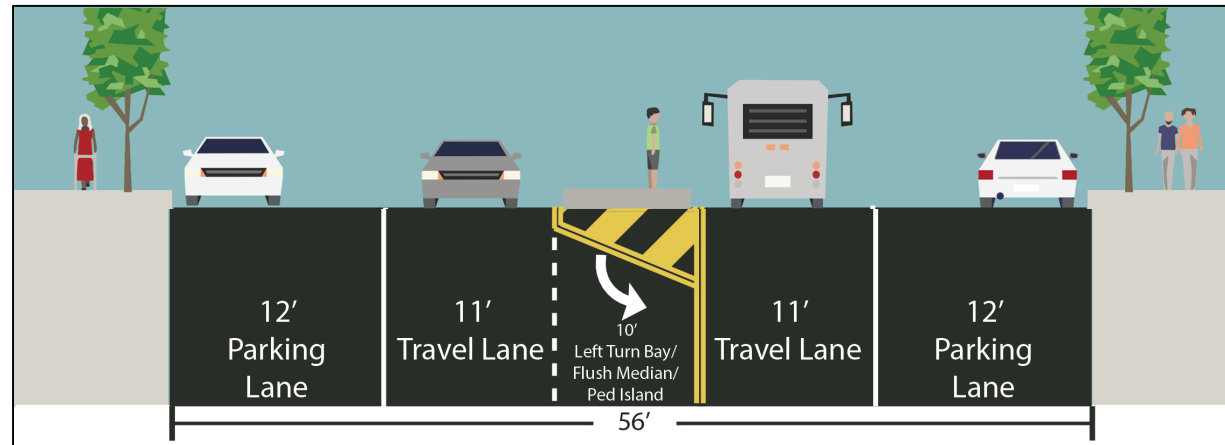


Remove low-volume travel lane, add flush center median to organize traffic and reduce speeding

Add pedestrian refuge islands to create safer crossings and vehicle turns

Install left turn bays to organize traffic and create safer left turns

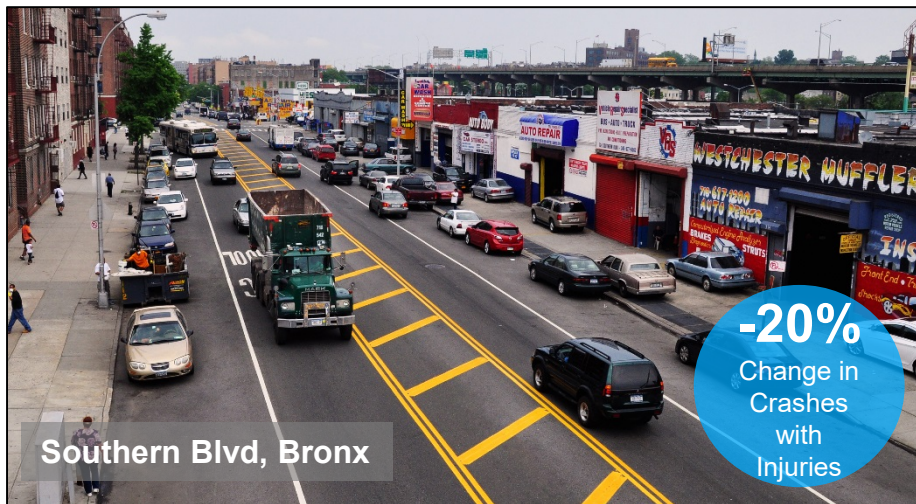
Proposed





# Third Ave, E 189<sup>th</sup> St to E Tremont Ave

## Proposal Detail: Benefits of 4- to 3-Lane Conversion

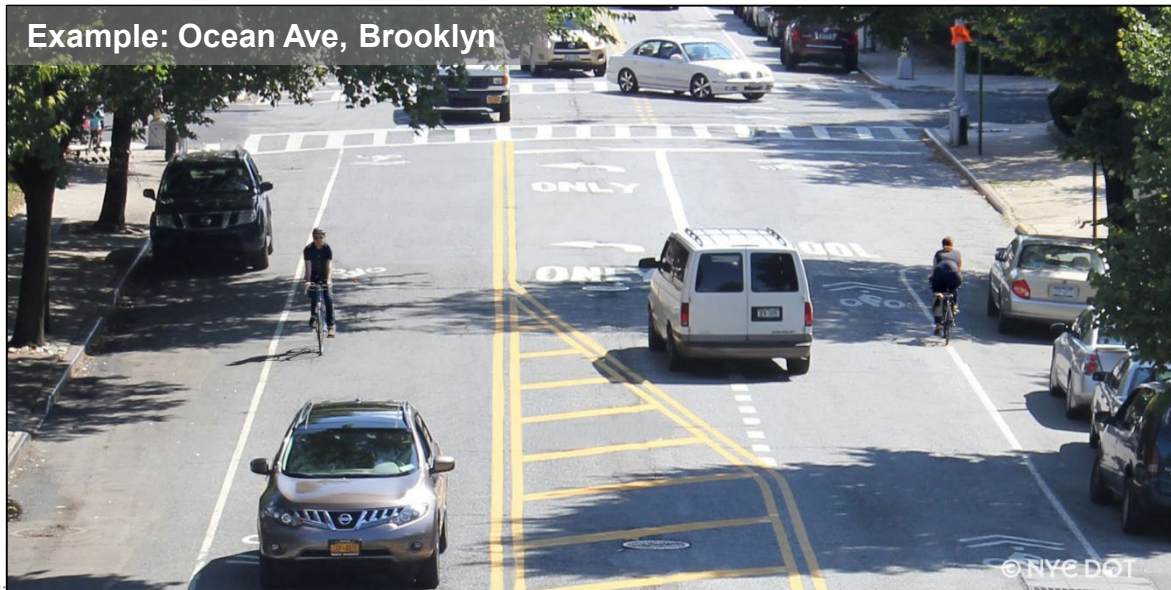




# Third Ave, E 189<sup>th</sup> St to E Tremont Ave

## Proposal Detail: 4- to 3-Lane Traffic Calming

- Consistent moving lane reduces speeding, reduces conflict
- Removing one lane in each direction discourages speeding
- Left turn bays improve traffic flow and create safer left turns
- Bus speeds improved by an average of 7% during peak hours after similar treatments installed on Third Ave between E Tremont Ave and E 163 St





# Third Ave, E 189<sup>th</sup> St to E Tremont Ave

## Proposal Detail: Traffic Volumes

### Congested Lane



- 700 vehicles per hour or above

### Existing (2 lanes)

- Maximum\* 200 vehicles per lane

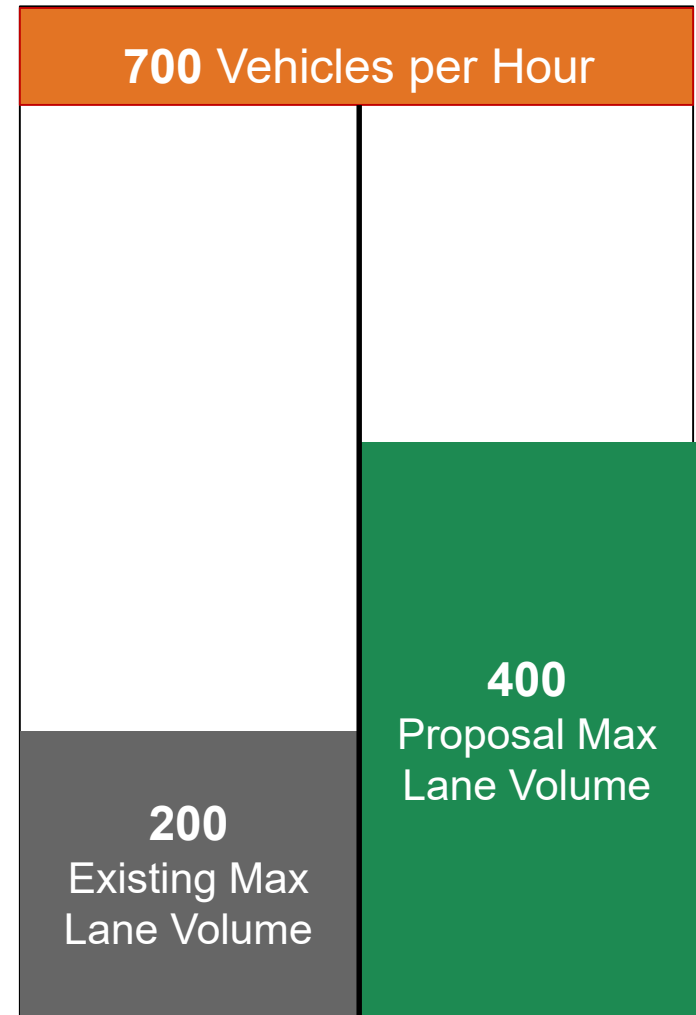
### Proposal (1 lane + left turn bays)

- Maximum 400 vehicles per lane

\*Maximum Recorded Weekday Peak Volume (AM & PM) at Third Ave & Cyrus PI

### Left Turn Bays

- Left turn bays in 16 locations will further improve capacity



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## Intersection Improvements

# 2



## Third Ave, E 189<sup>th</sup> St to E Tremont Ave

### Existing: Long Crossing Distances and Skewed Intersections

56' wide roadway with 2 travel lanes and parking in both directions

Third Ave and E 184 St, looking west

Skewed intersections create long crossings and allow fast turns

Third Ave and Quarry Rd, looking north

# Third Ave, E 189<sup>th</sup> St to E Tremont Ave

## Proposal: Safer, Shorter Pedestrian Crossings

New concrete pedestrian islands improve pedestrian visibility and reduce pedestrian crossing distances



Example: Third Ave, BX

Painted curb extensions slow turning vehicles and shorten pedestrian crossing distances



Example: Ninth Ave, BK



# Third Ave, E 189<sup>th</sup> St to E Tremont Ave

## Existing: Bus Conflicts with Traffic



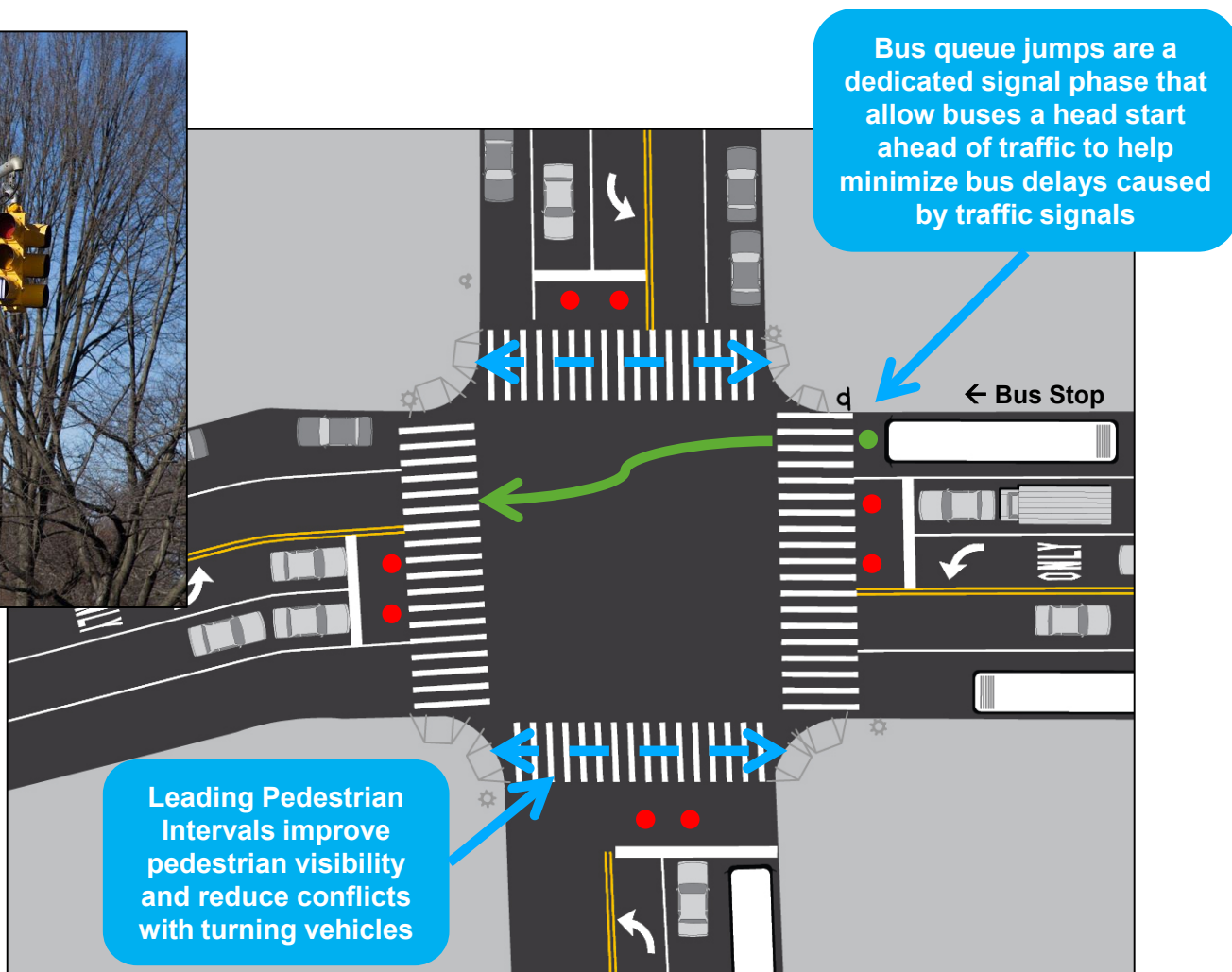


# Third Ave, E 189<sup>th</sup> St to E Tremont Ave

## Proposal: Bus Queue Jump Signals and LPIs



Example Bus Queue Jump Signal: 79<sup>th</sup> St and 5<sup>th</sup> Ave, Manhattan



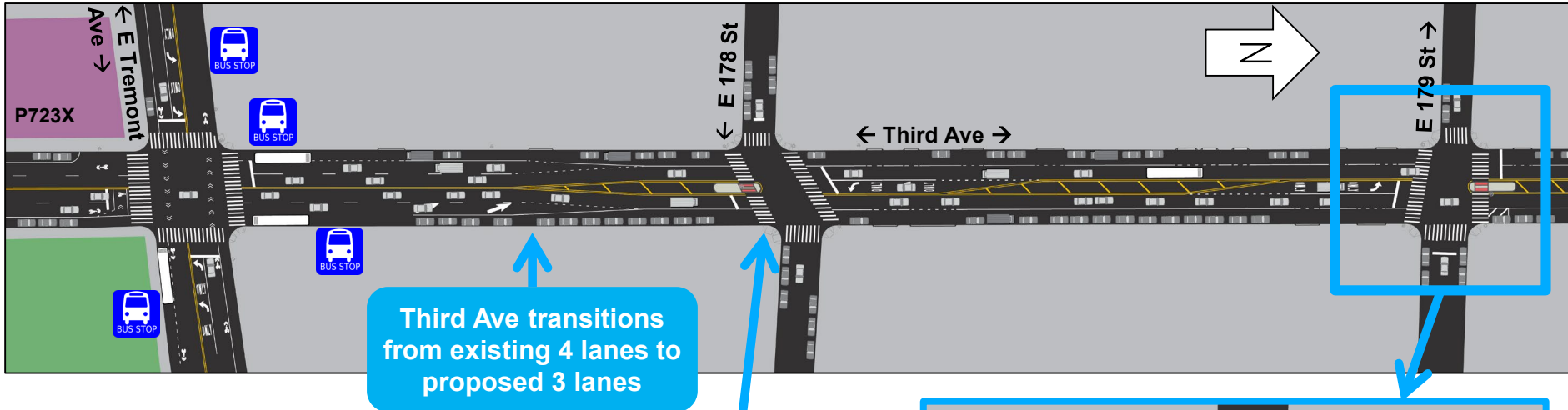
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## Proposal Details

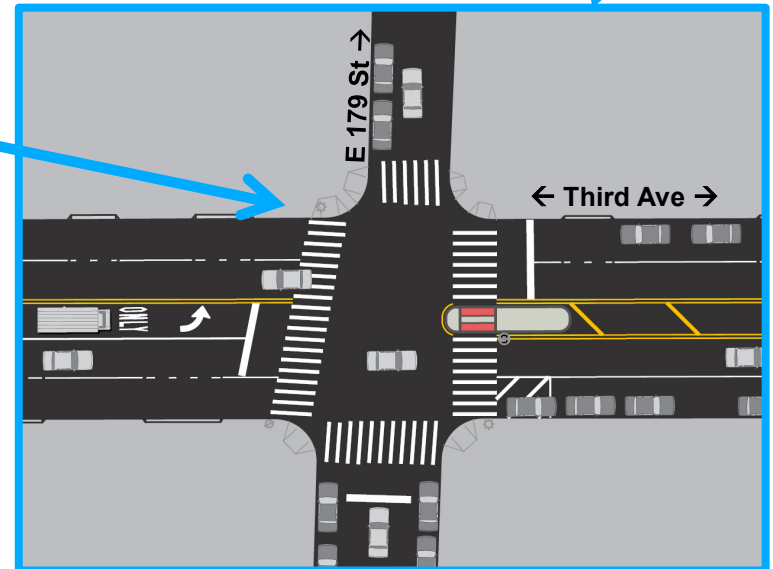
# 3

# Third Ave, E Tremont Ave – E 179 St

## Proposal Detail: School Safety Improvements

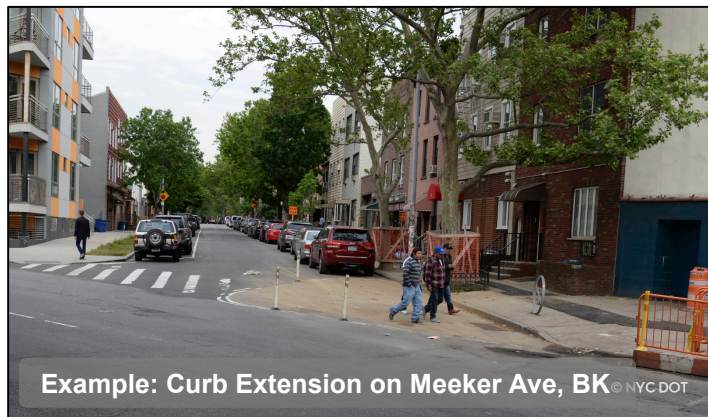
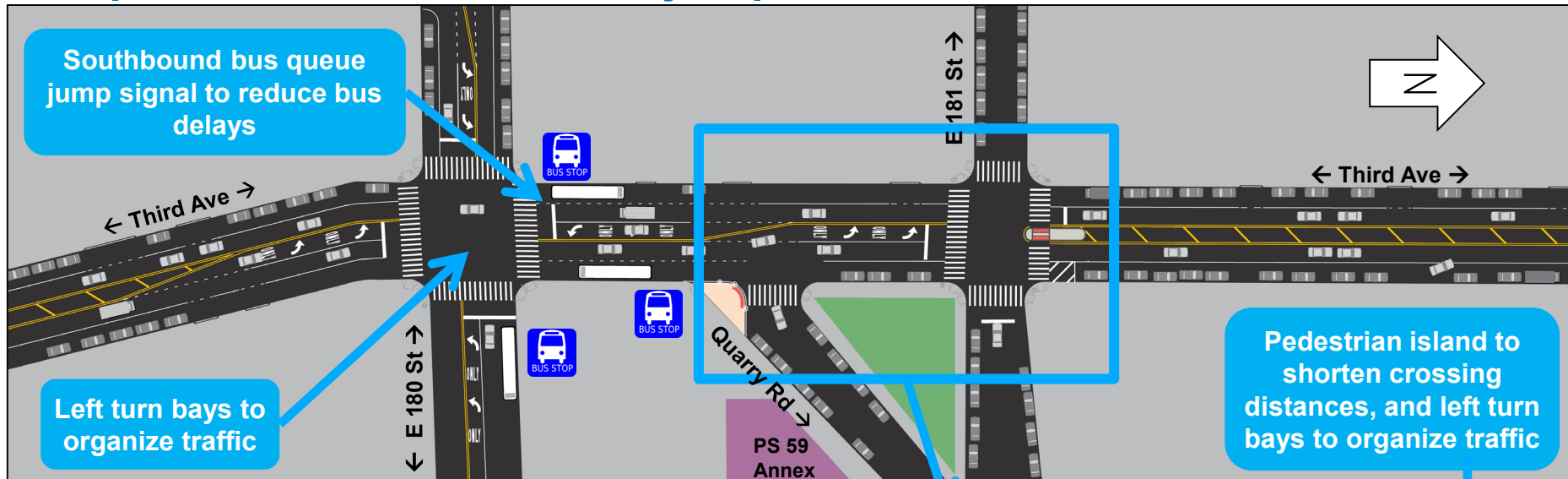


Pedestrian islands to shorten crossing distances, and left turn bays to organize traffic

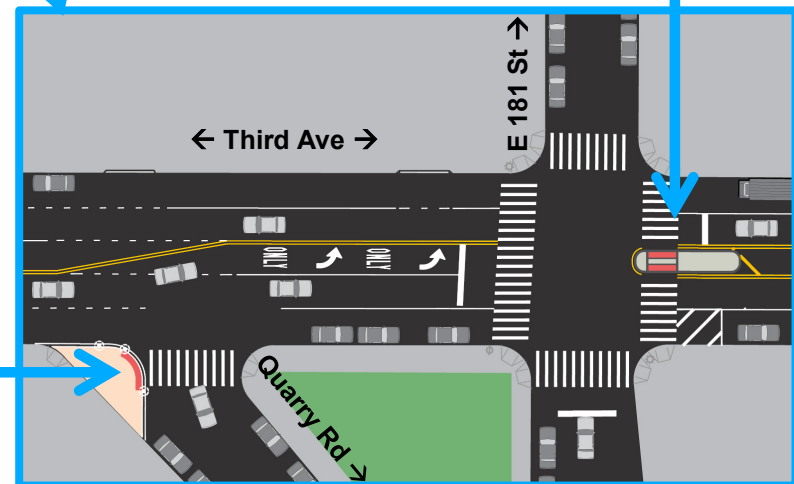


# Third Ave, E 180 St – E 181 St

## Proposal Detail: School Safety Improvements



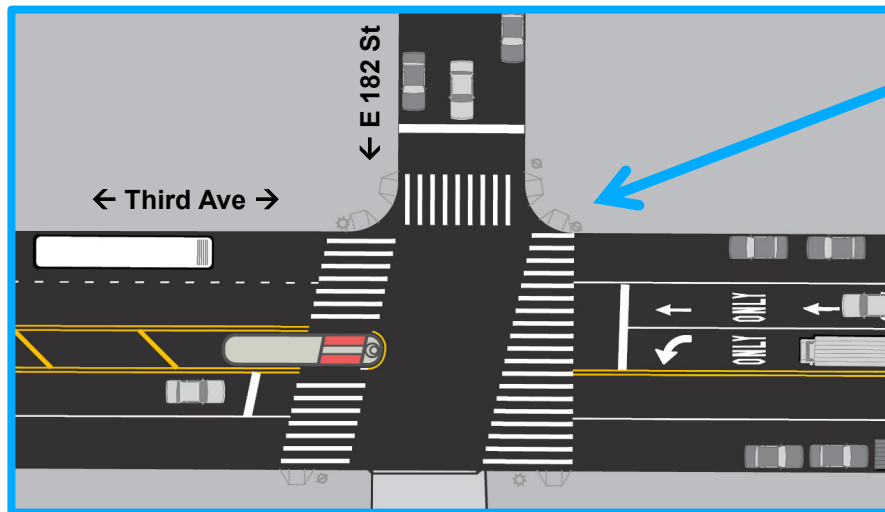
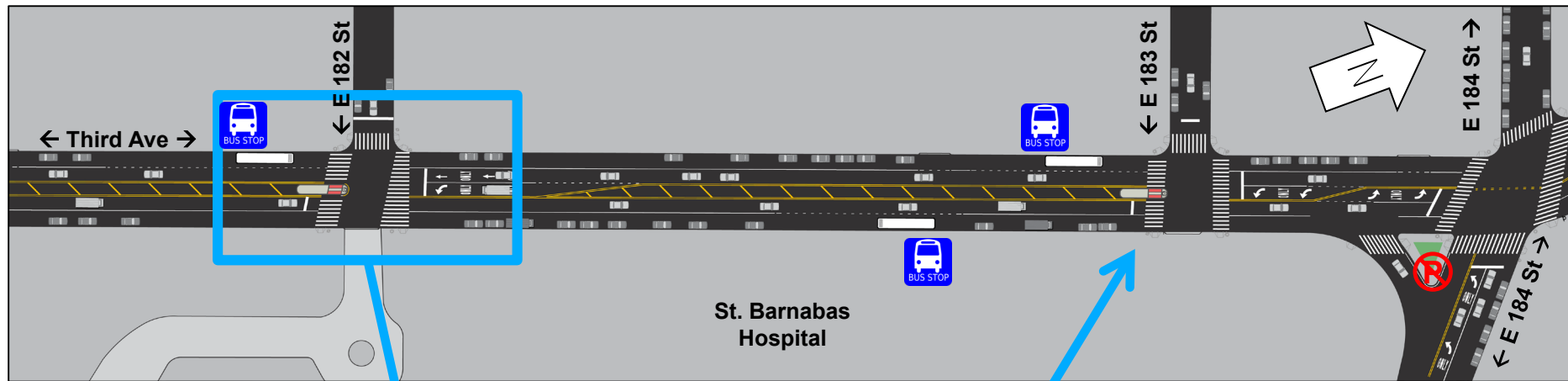
Painted curb extension to shorten crossing distance and calm right turns





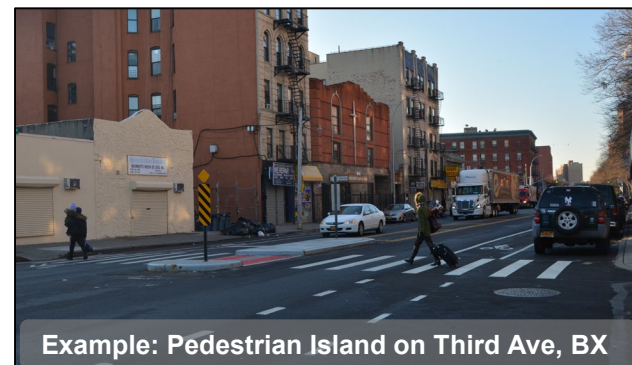
# Third Ave, E 182 St – E 184 St

## Proposal Detail: School Safety Improvements



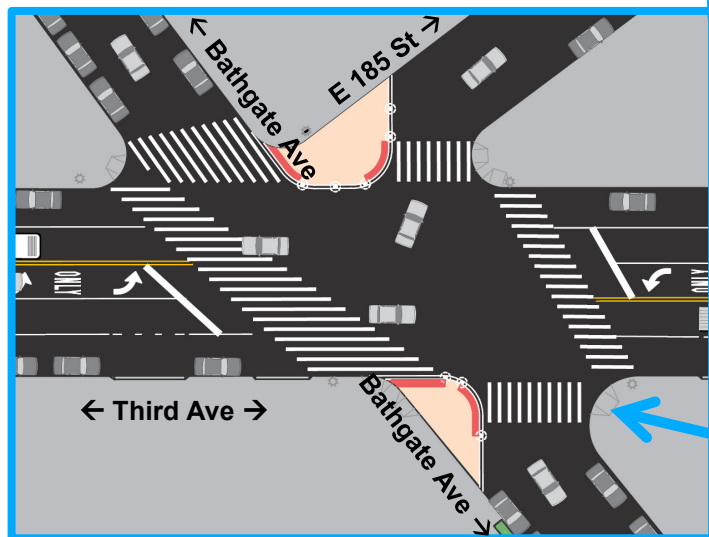
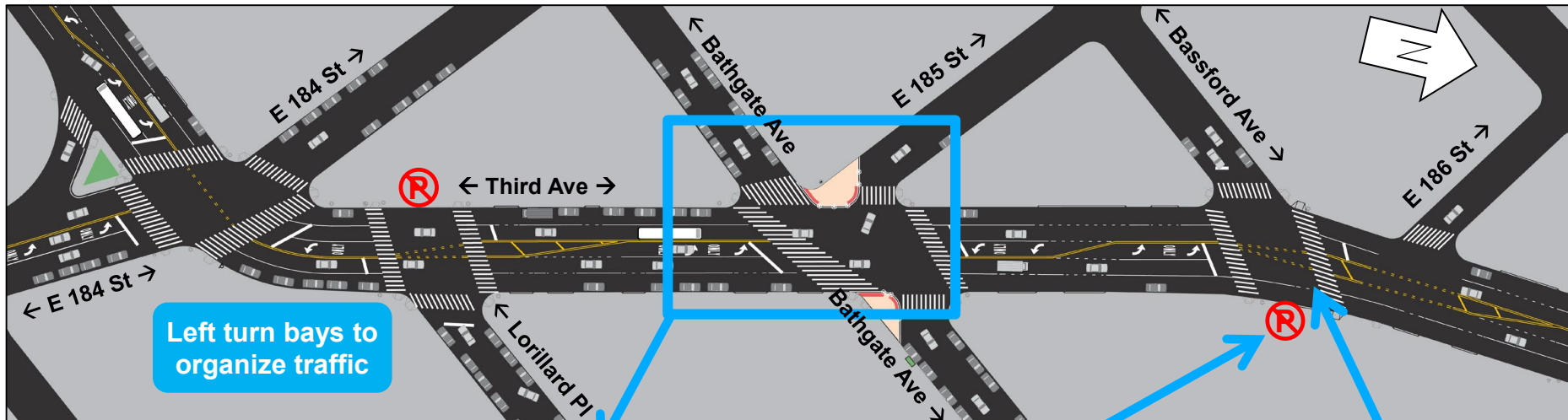
Pedestrian islands to shorten crossing distances, and left turn bays to organize traffic

Daylighting to improve pedestrian and driver visibility



# Third Ave, E 184 St – E 186 St

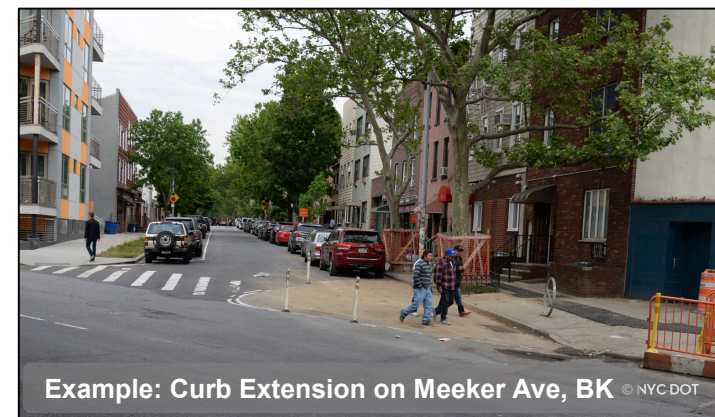
## Proposal Detail: School Safety Improvements



Daylighting to improve pedestrian visibility

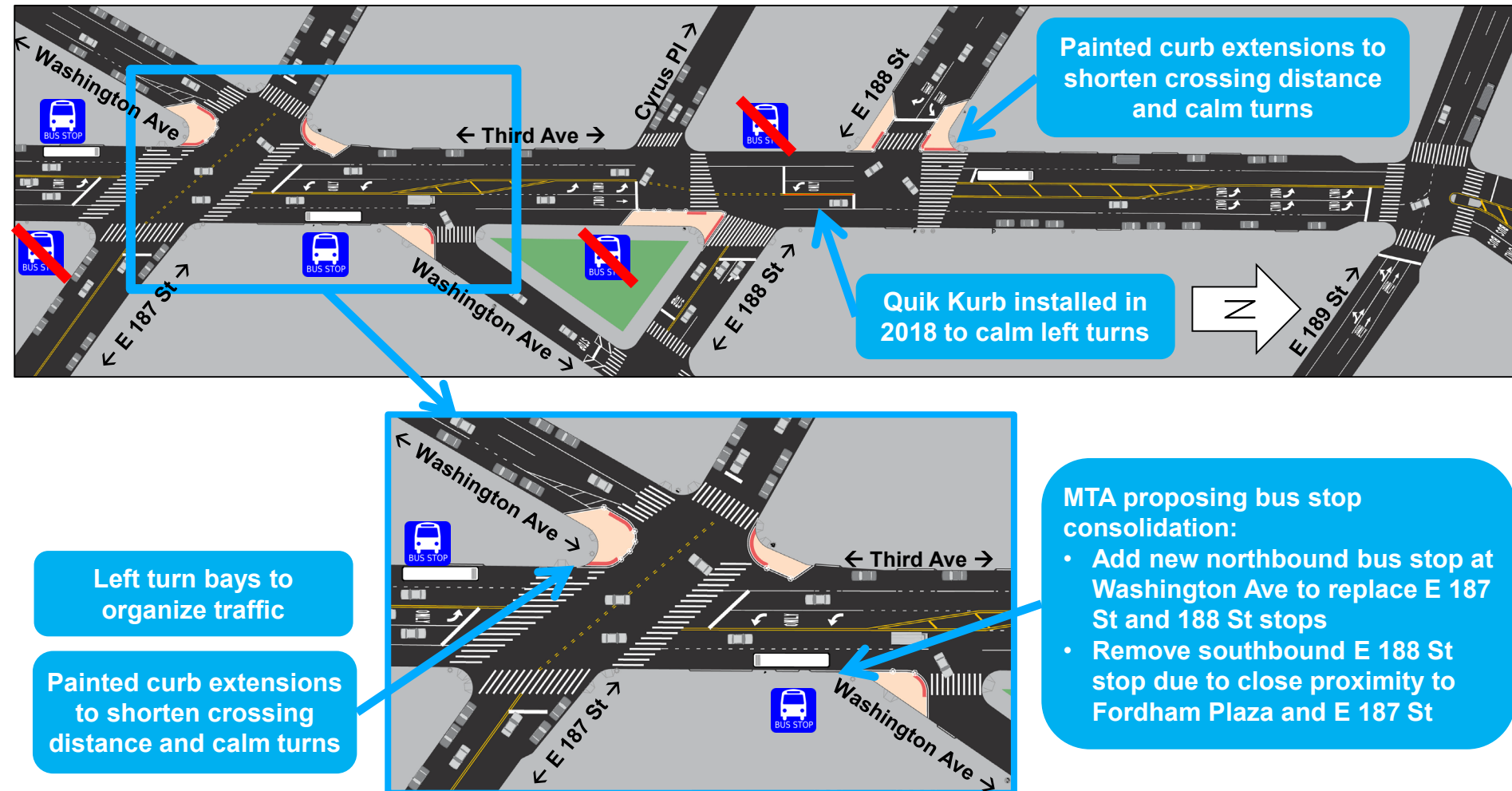
New crosswalk and pedestrian signals

Painted curb extensions to shorten crossing distance and calm turns



# Third Ave, E 187 St – E 189 St

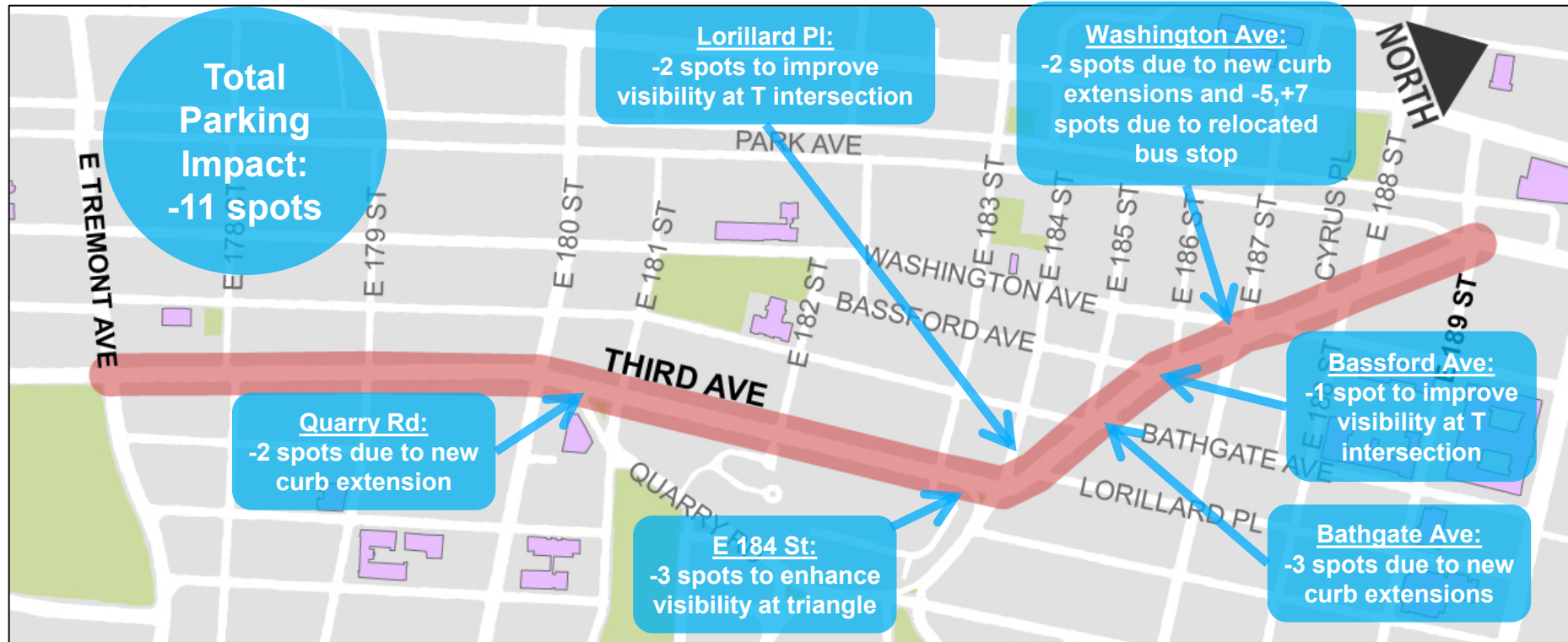
## Proposal Detail: School Safety Improvements





# Third Ave, E 187 St – E 189 St

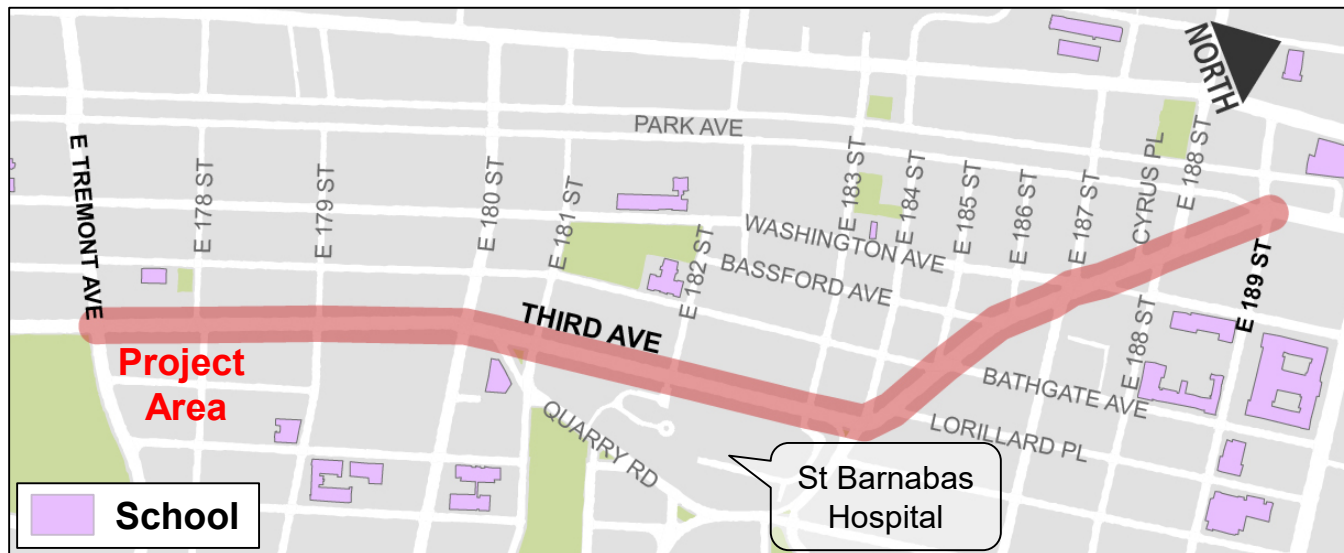
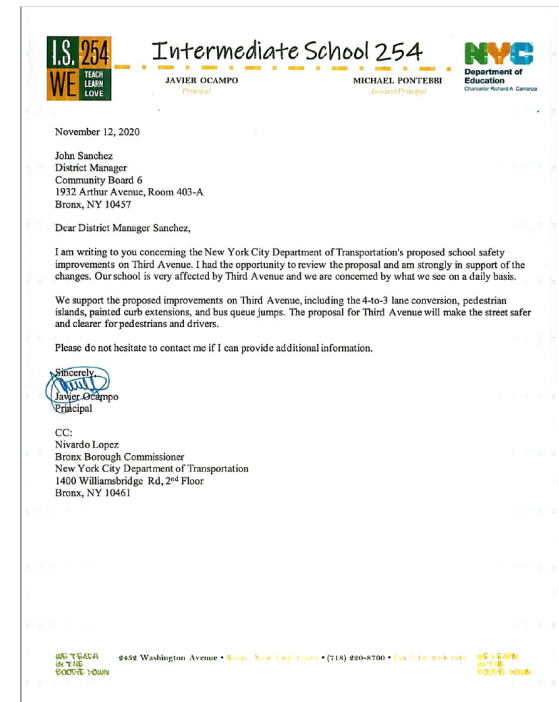
## Proposal Detail: Parking Changes



# Third Ave, E 187 St – E 189 St

## School Outreach

- Reached out to 10 schools
- Met to discuss safety concerns with 9 schools
- Met to discuss proposal with 7 schools, all of which were supportive
- Received official letters of support for proposal from 4 schools



# Thank You!

## Questions?



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



NYCDOT



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