



# BRONX RIVER AVE

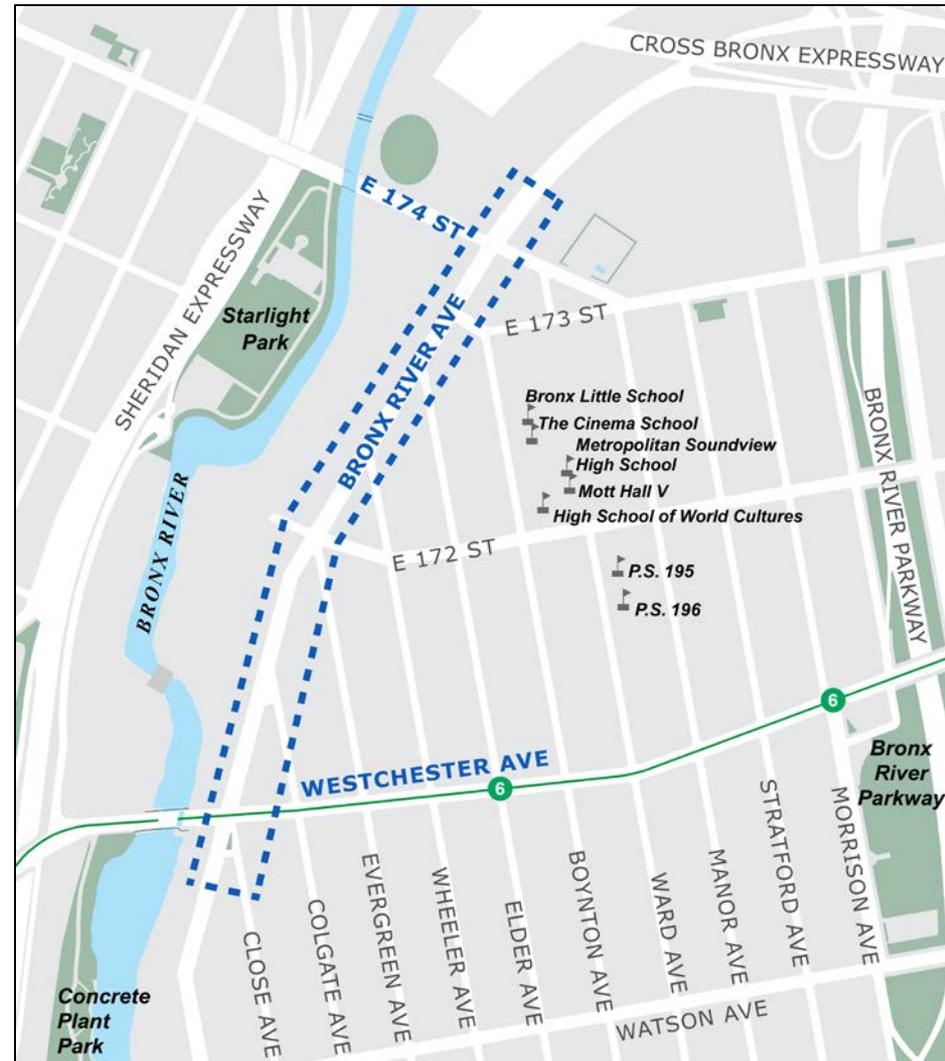
Community Board 9 – Public Safety and Transportation Committee

May 3, 2018



# PROJECT LOCATION

- ½ mile long corridor on Bronx River Ave from E 174<sup>th</sup> St to Westchester Ave
- Residential corridor adjacent to the Bronx River
- Near James Monroe High School Campus, with seven small high schools
- History of requests to address speeding on the corridor, including a 2017 request from Assembly Member Marcos Crespo's office



# SAFETY DATA

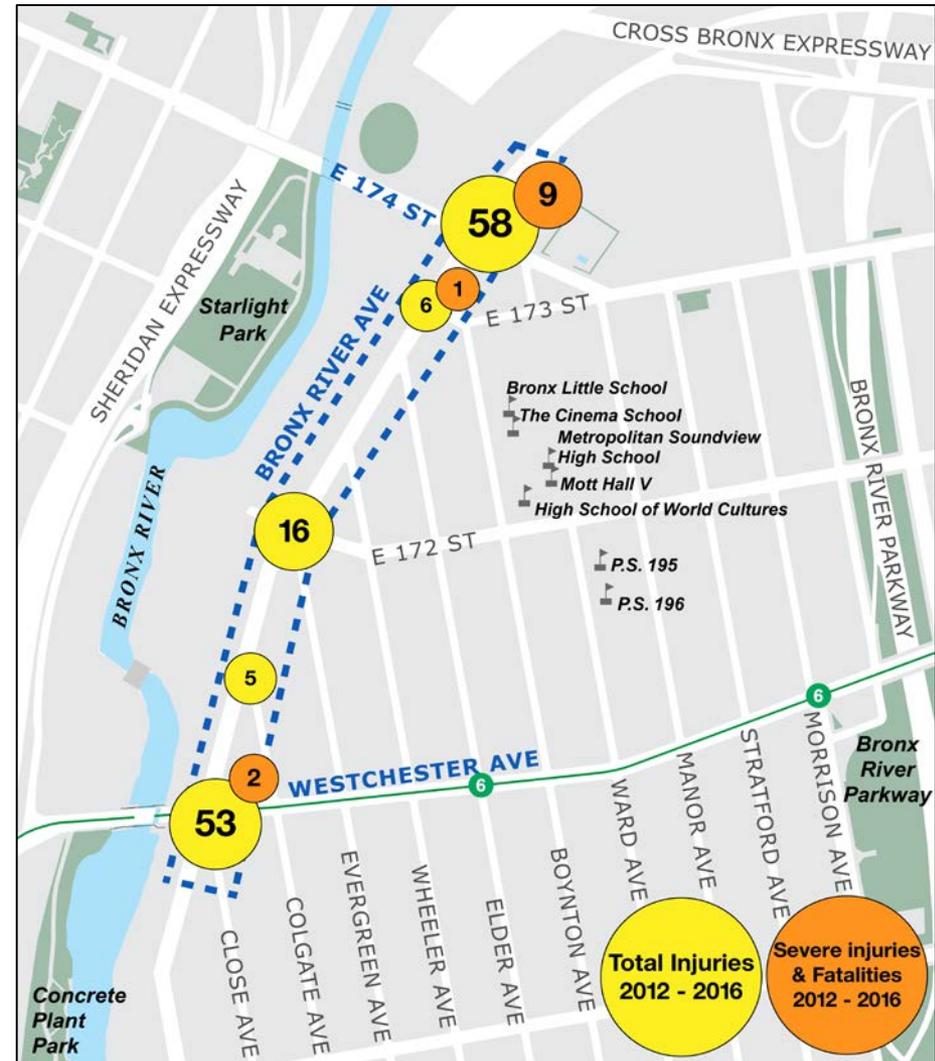
- 12 people severely injured along this corridor
- Speeding – **81%** of recorded vehicles were traveling above the speed limit with a maximum recorded speed of **58 MPH**

Bronx River Ave - E 174 St to Westchester Ave, BX  
Injury Summary, 2012-2016 (5 Years)

	Total Injuries	Severe Injuries	Fatalities	KSI
Pedestrian	25	3	0	3
Bicyclist	8	0	0	0
Motor Vehicle Occupant	112	9	0	9
<b>Total</b>	<b>145</b>	<b>12</b>	<b>0</b>	<b>12</b>

Fatalities, 01/01/2012-1/29/2018 : None

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



Total Injuries  
2012 - 2016

Severe injuries  
& Fatalities  
2012 - 2016

# CURRENT CONDITIONS – BRONX RIVER AVE

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- Two lanes in each direction
- Wide street (60 ft)
- Parking on both curbs



Bronx River Ave at Colgate Ave, looking north

# CURRENT CONDITIONS - INTERSECTIONS

- Intersections of Colgate Ave, Evergreen Ave, Wheeler Ave, and Elder Ave meet Bronx River Ave at gentle angles leading to fast, aggressive turns
- Very long crossing distances, missing crosswalks at Wheeler Ave, Evergreen Ave, and Colgate Ave



The angle of intersections allow cars to make fast, aggressive turns through wide intersections like Colgate Ave and expose pedestrians over long crossing distances

# Current conditions – Westchester Ave and E 174<sup>th</sup> St

## Westchester Ave

- 3 northbound lanes approach the intersection with only 2 receiving lanes
- Conflicting turns from Bronx River Ave and Close Ave



Bronx River Ave, Close Ave, and Westchester Ave

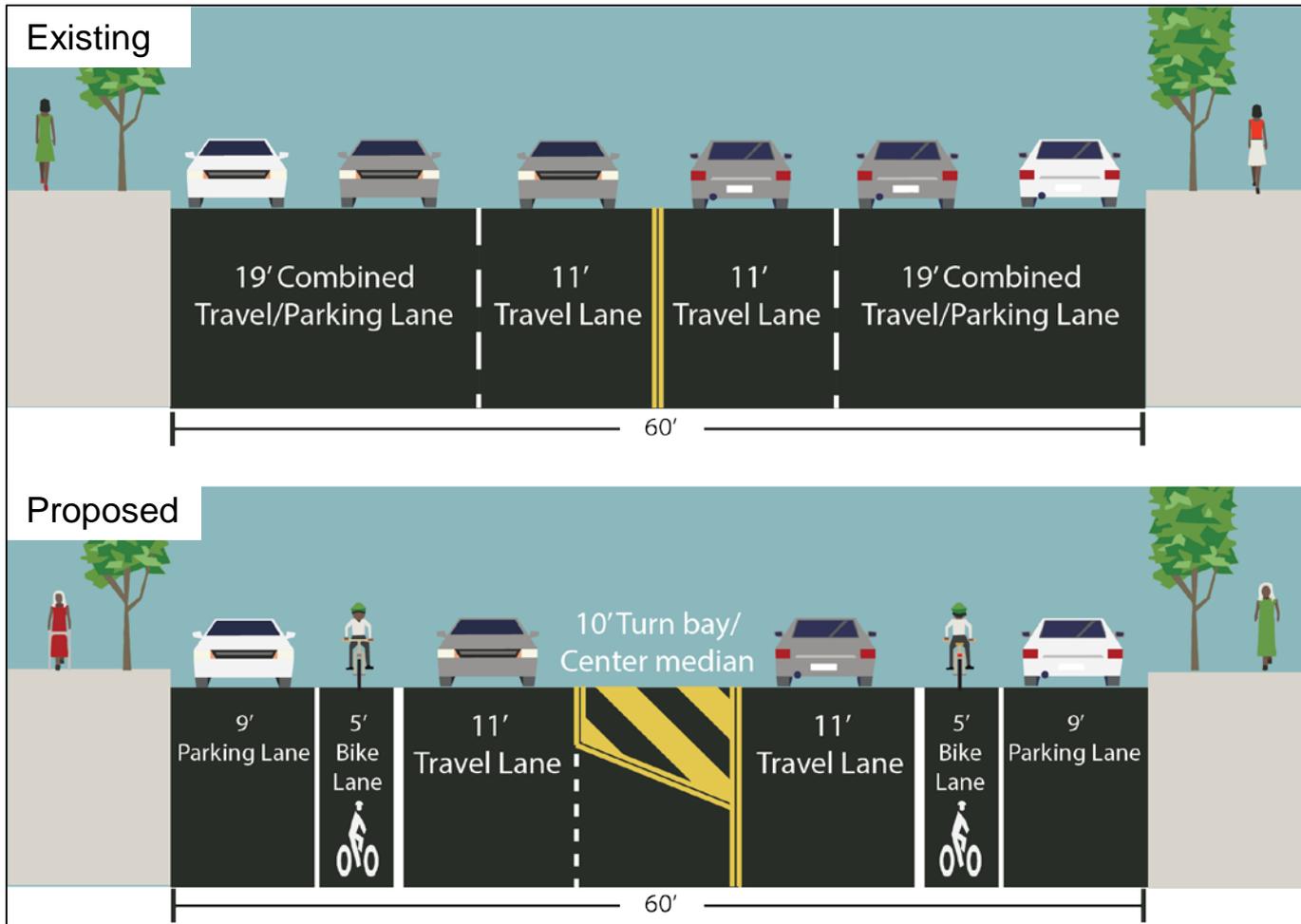
## E 174<sup>th</sup> St

- Extra wide crossing on north side of intersection (70')
- Large percentage of vehicles turning at this intersection causes conflicts

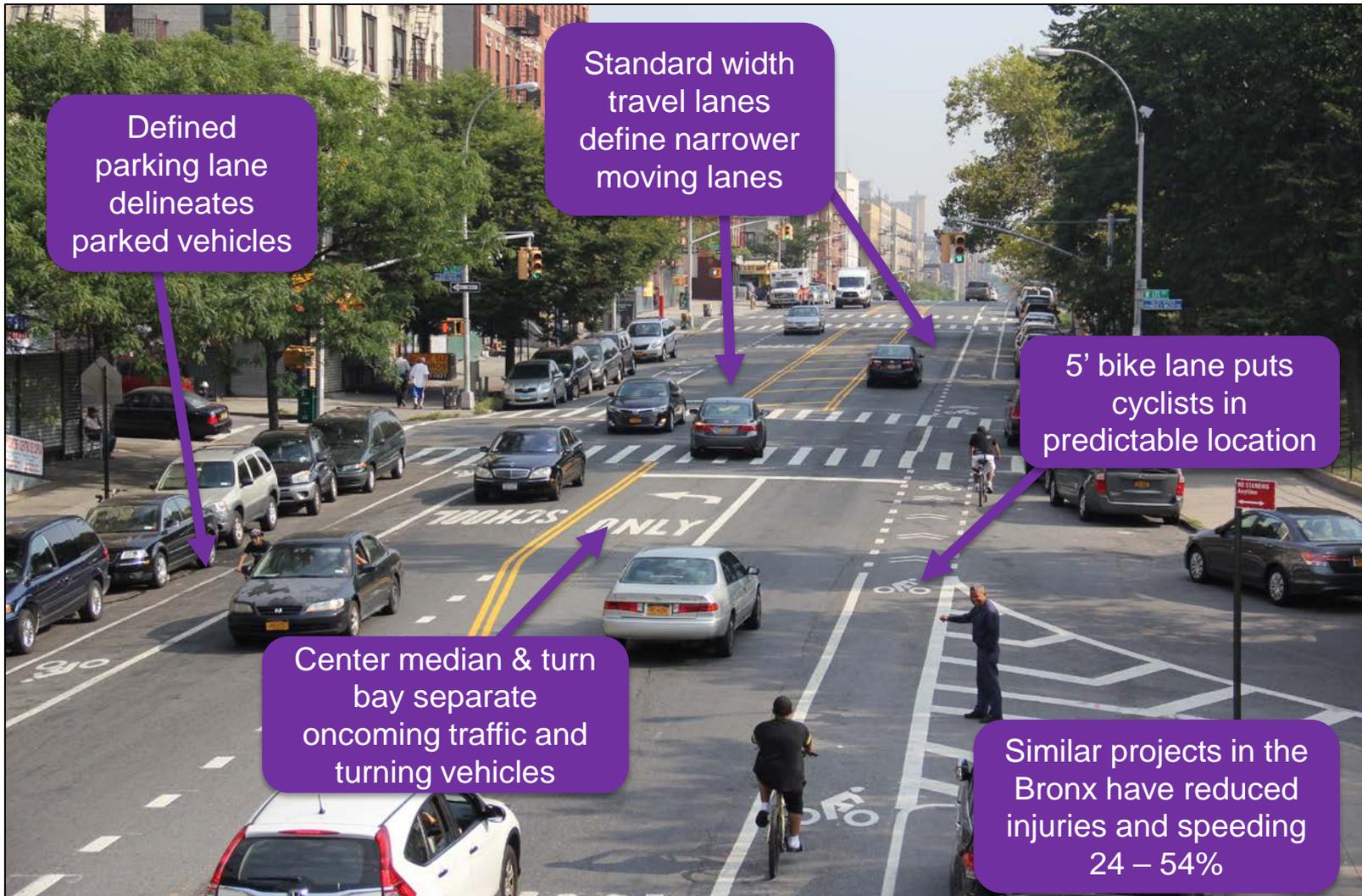


A car turns onto NB Bronx River Ave from E 174<sup>th</sup> St

# PROPOSED CONDITIONS - CORRIDOR



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Example of a similar treatment: Amsterdam Ave, Manhattan

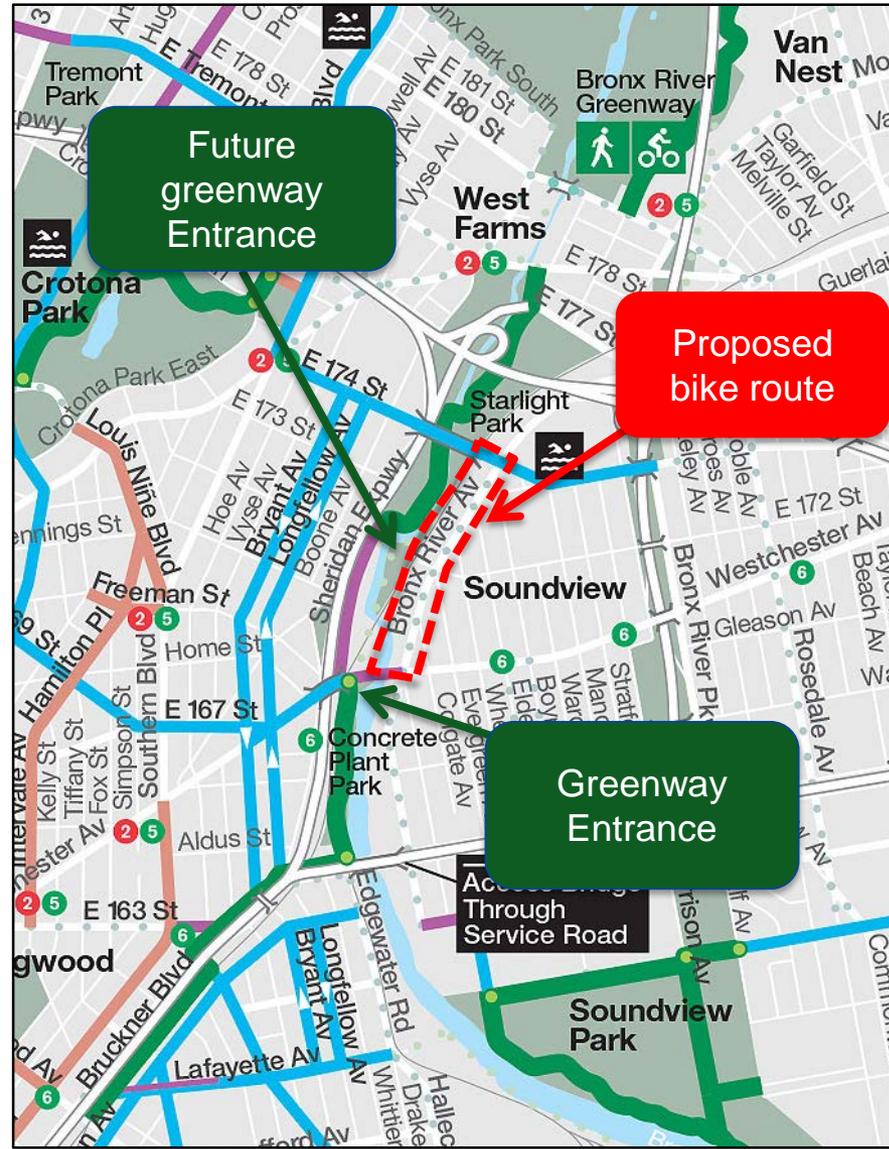
# BIKE CONNECTION

Bike lanes on Bronx River Ave will:

- Provide a safe, convenient, connection between Soundview neighborhood and existing bike routes on E 174<sup>th</sup> St and Westchester Ave
- Improve access to Starlight Park and Concrete Plant Park and connect to planned pedestrian bridge at E 172<sup>nd</sup> St

### Legend

			
Protected Bicycle Lane with Access Point	Conventional Bicycle Lane	Shared Lane	Signed Route

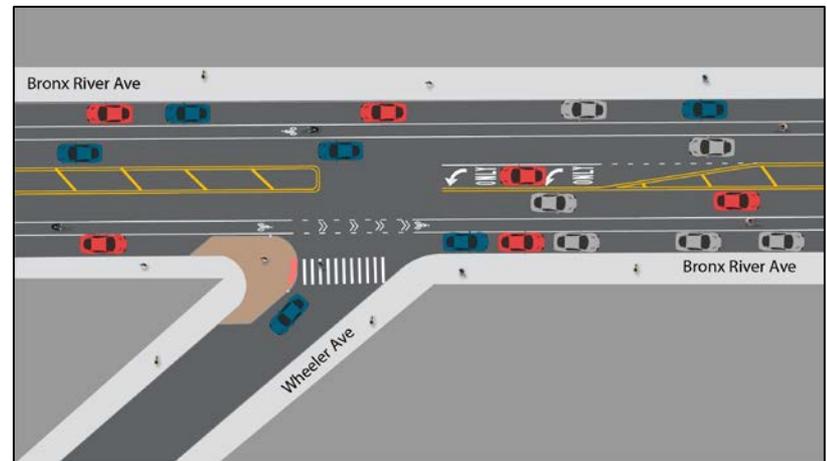
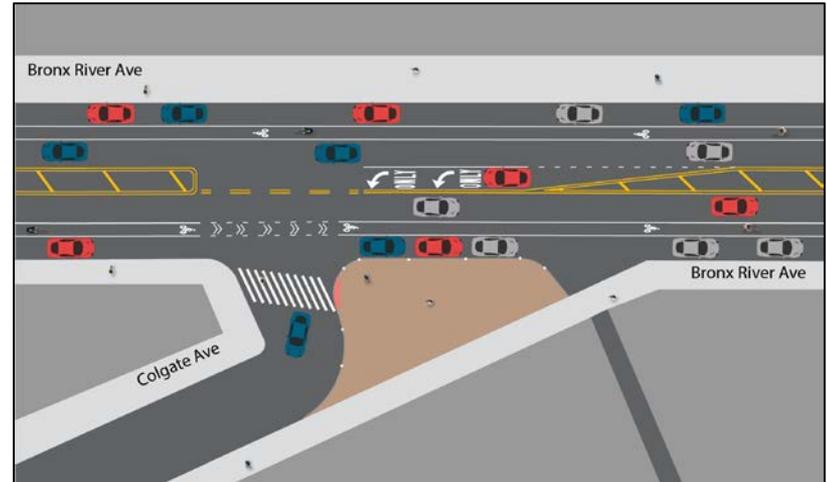


# PROPOSED CONDITIONS - INTERSECTIONS

- Paint curb extensions to normalize intersections and encourage slower, safer turns
- Stripe missing crosswalks
- Reduce crossing distances for pedestrians
- Signal under study at Elder Ave

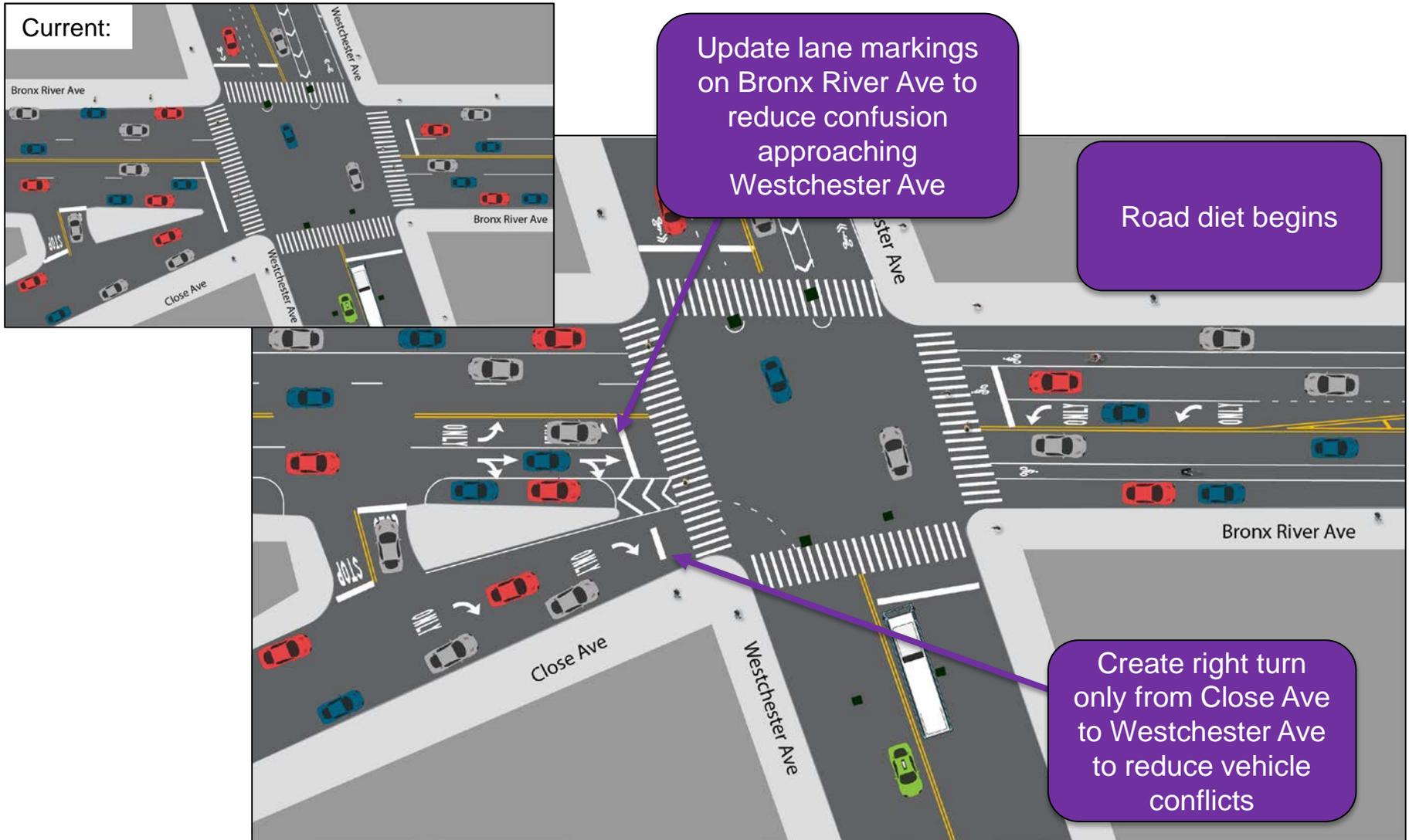


Similar painted curb extension at Ave St John and Prospect Ave, BX

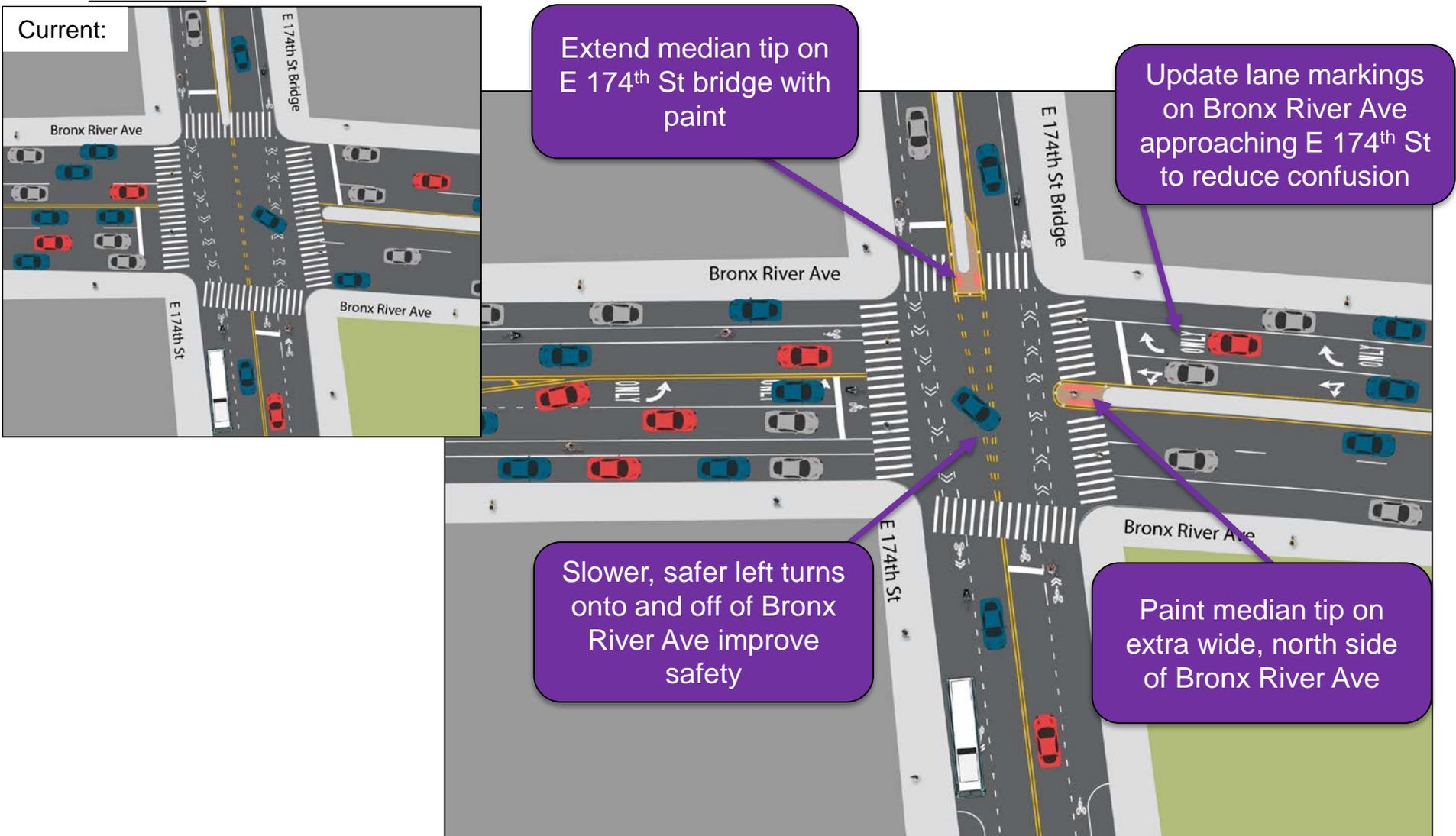


Proposed curb extensions at Colgate Ave (above) and Wheeler Ave (below) will encourage slower, safer turns and reduce pedestrian crossing distances

# PROPOSED CONDITIONS – WESTCHESTER AVE



# PROPOSED CONDITIONS – E 174<sup>TH</sup> ST

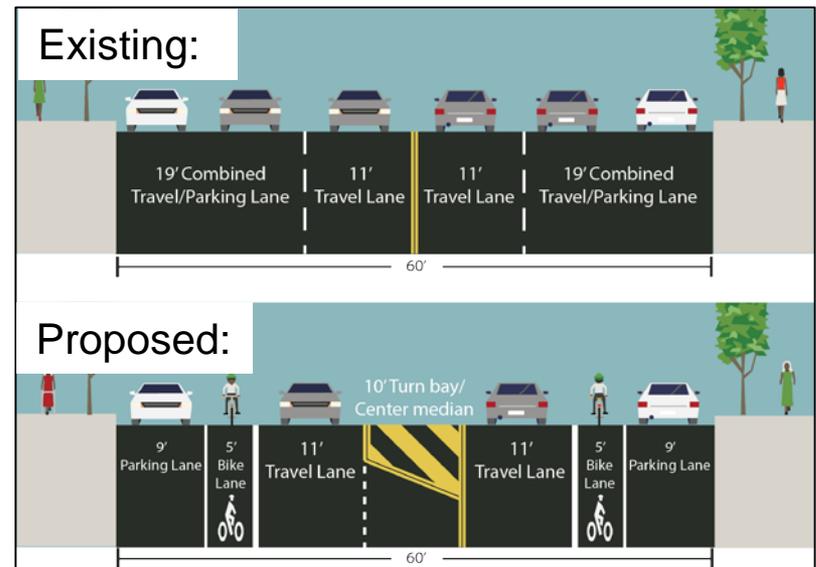


# PROJECT BENEFITS

- Reduces speeding and calms traffic on Bronx River Ave
- Enhances safety by organizing the roadway and providing defined spaces for vehicles and bicycles
- Improves pedestrian safety by marking crosswalks and reducing crossing distances
- Improves safety for all roadway users by encouraging slower, safer turns onto and off of Bronx River Ave
- Creates an important, safe connection in the Bronx bike network



Bronx River Ave at Wheeler Ave, looking south



# THANK YOU!

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## Questions?



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# SAFETY IMPROVEMENTS

## Previous Projects

- Similar projects installed in The Bronx have resulted in decreases in injuries and crashes as well as reductions in speeding
- White Plains Rd, BX (2014)
  - 36% reduction in total injuries
- Allerton Ave, BX (2009)
  - 42% decrease in speeding
- Burke Ave, BX (2014)
  - 54% reduction in total injuries



Similar projects in the Bronx on White Plains Rd (above) and on Allerton Ave (below) improved safety along the corridors

# EVALUATION OF LANE REMOVAL

## Congested Lane

- 700 vehicles per hour or above

### Existing (2 lanes)

- Maximum\* 296 vehicles per lane

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

- Maximum 592 vehicles per lane

\*Maximum Recorded Peak Volume at Bronx River Ave & E 172<sup>nd</sup> St

- Analysis conducted with rush hour traffic volumes shows minimal impact on Bronx River Ave

