



White Plains Rd (E 226th St to E 241st St)

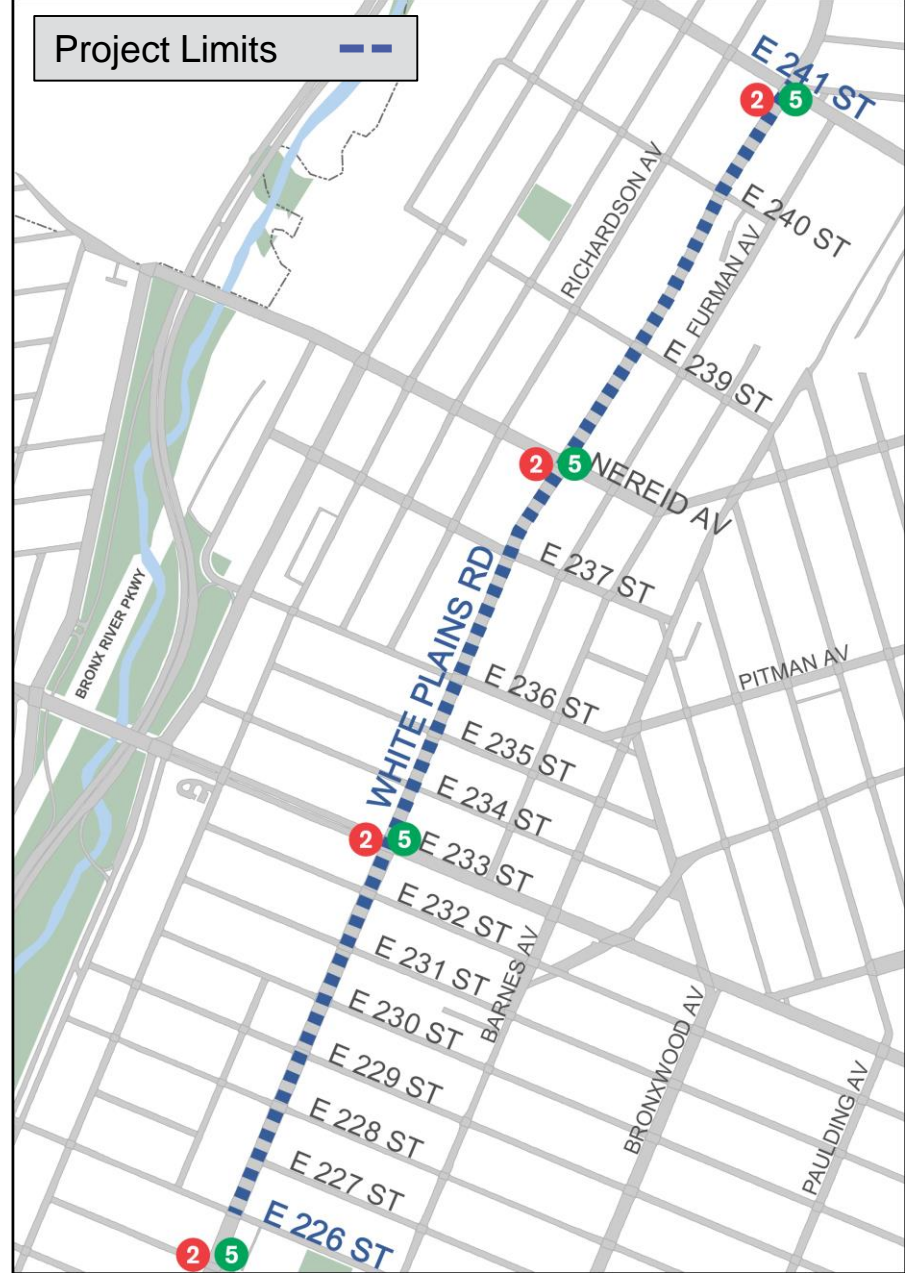
Community Board 12 Transportation Committee

April 14th, 2022

Project Background

White Plains Rd

- Previous project installed on White Plains Rd in 2021 and ongoing implementation continuing this year
- Community Board request to continue project north to E 241 St
- Project limits: White Plains Rd, between E 226th St to E 241st St; 1.15 miles
- Corridor is under an elevated structure with columns in the roadbed
- Commercial and residential land use
- 2 and 5 subway services located at E 225th St, E 233rd St, Nereid Ave, and E 241st St
- Bx39, BxM11, Bx41, Bx41 SBS, and W42 bus routes
- Local truck route along White Plains Rd

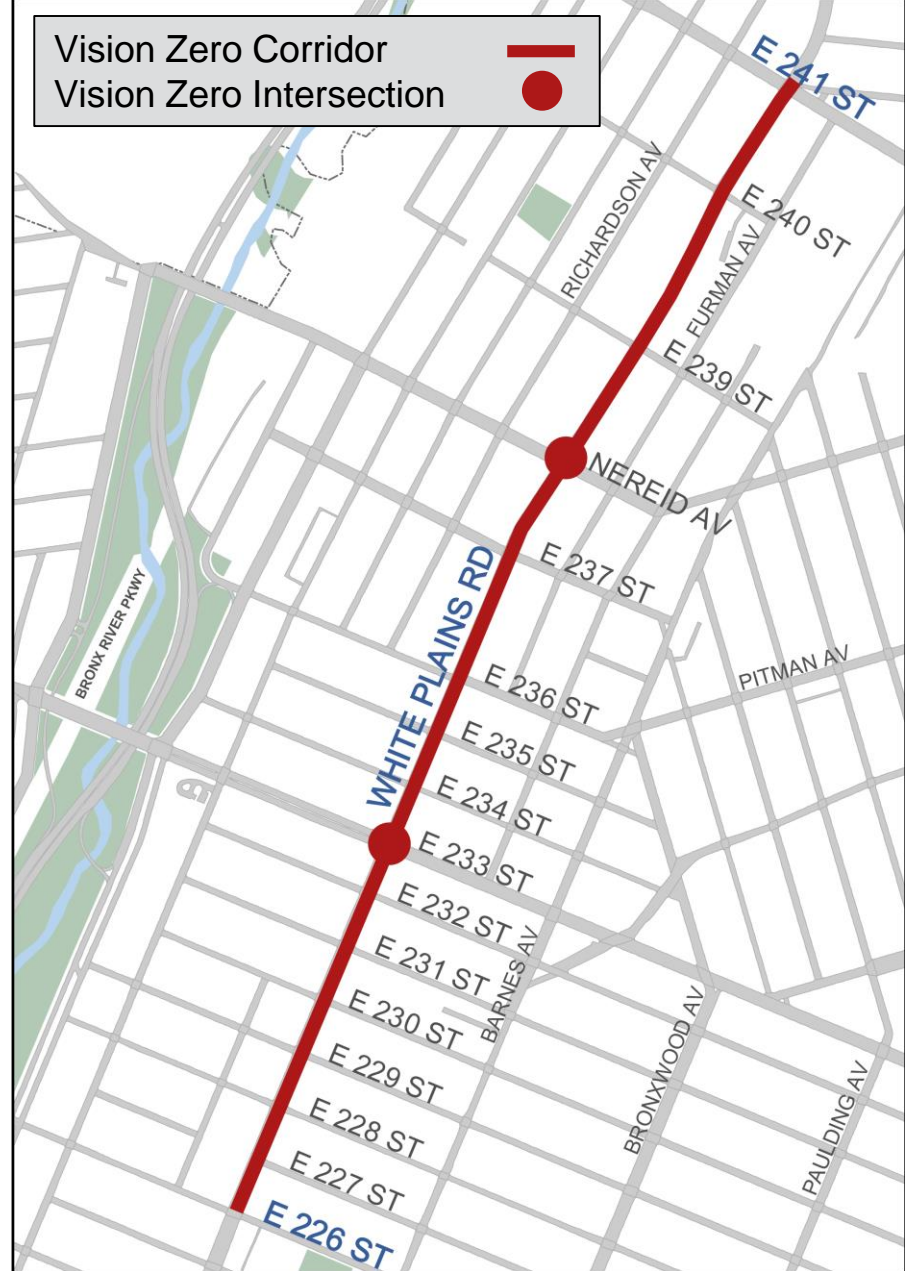


White Plains Rd, E 226 St to E 241 St

Safety Data

Vision Zero

- White Plains Rd is a Vision Zero Priority Corridor
- White Plains Rd and E 233rd St is a Vision Zero Priority Intersection
- White Plains Rd and Nereid Ave is a Vision Zero Priority Intersection



White Plains Rd, E 226 St to E 241 St

Safety Data

- From 2015 to 2019, there were 325 total injuries, with 76 of them involving a pedestrian
- 35% of all pedestrian crashes involved a vehicle failing to yield to a pedestrian while crossing with the signal in their favor
- 22% of vehicle crashes are sideswipe collisions due to vehicles merging to and from ambiguous space

Injury Summary, 2015-2019 (5 Years)

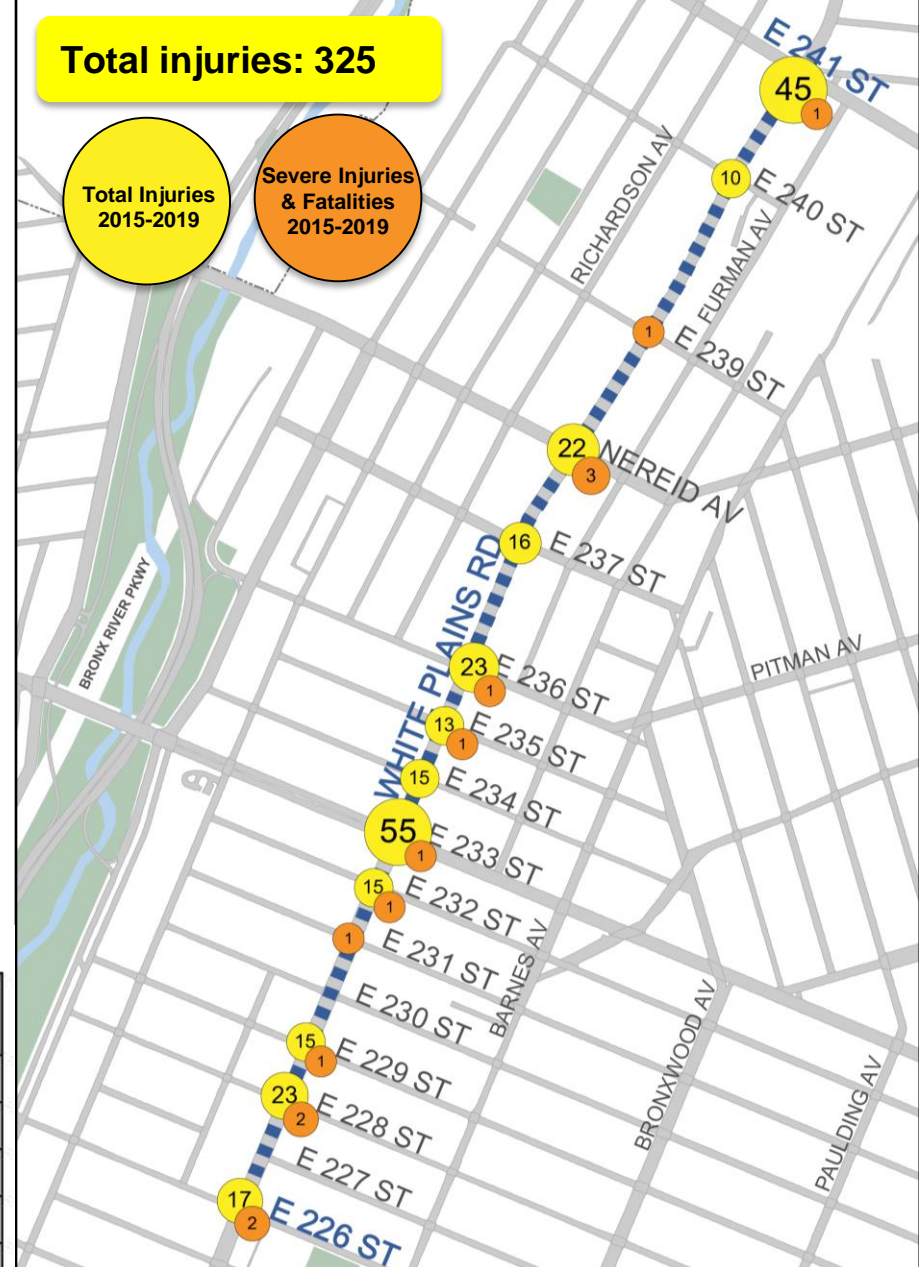
	Total Injuries	Severe Injuries	Fatalities	KSI
Pedestrian	76	10	0	10
Bicyclist	11	1	0	1
Motor Vehicle Occupant	238	7	0	7
	0	0	0	0
Total	325	18	0	18

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

Total injuries: 325

Total Injuries
2015-2019

Severe Injuries
& Fatalities
2015-2019



*Map does not include total or severe injuries that occurred at midblock locations and locations with 10 or fewer injuries. Data is based off of NYSDOT/NYS DMV crash and injury data available as of 3/2022

NYC DOT Outreach

- In Winter 2022 NYC DOT Street Ambassadors spoke to residents and 137 businesses about White Plains Rd
 - Most respondents reported that they wanted more loading zones for their businesses
- Most businesses expressed double parking issues are consistent along the corridor
- Survey respondents expressed need for bike lanes due to E-Scooter Pilot in the area and individuals utilizing sidewalk



Street Ambassador conducting survey with Merchant

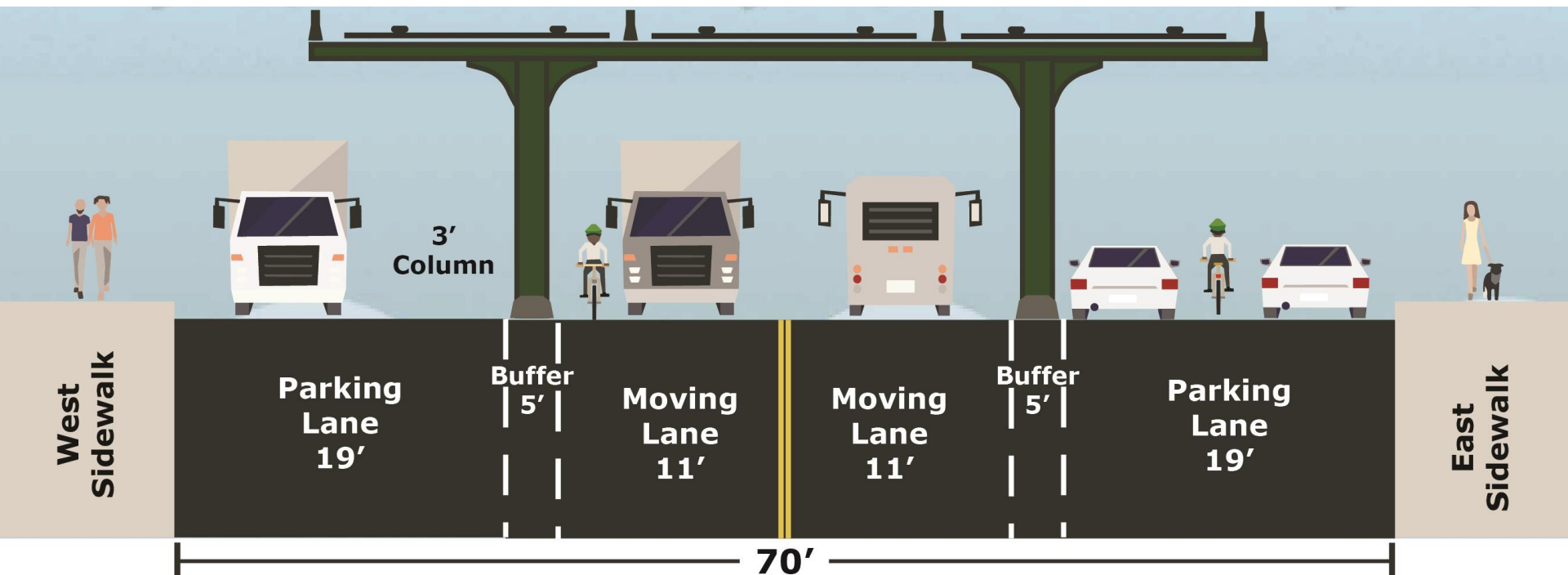


Existing Conditions

Corridor Issues

- White Plains Rd varies from 60' to 70'
- Ambiguous space between column and curb

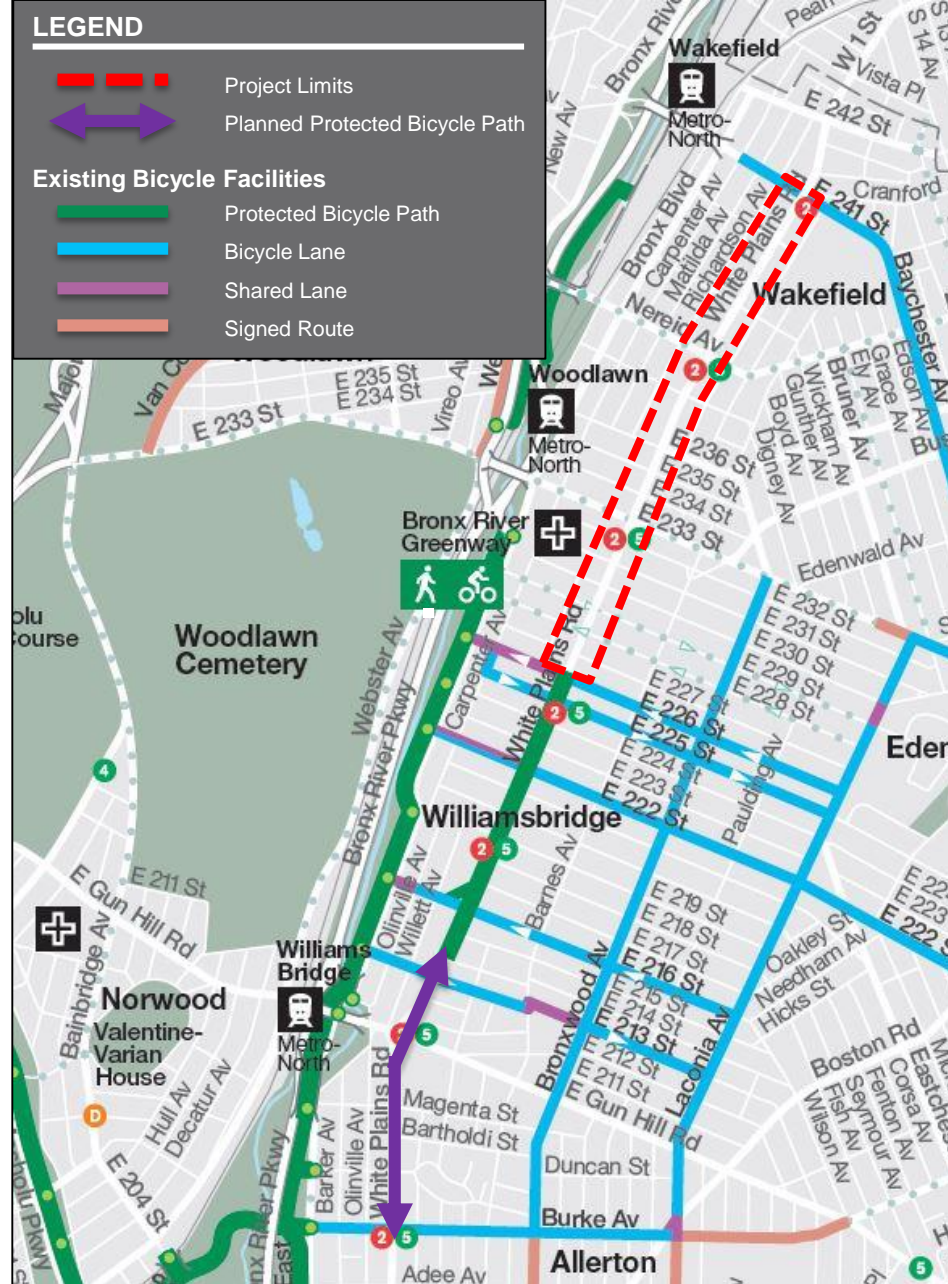
Typical Existing: E 226th St to E 241st St



Existing Conditions

Bike Network

- Existing E-scooter pilot in East Bronx
- Lack of bike connections to existing north/ south Protected Bike Lane on White Plains Rd and existing bike lane at E 241st St



White Plains Rd Existing Bike Network

Existing Conditions

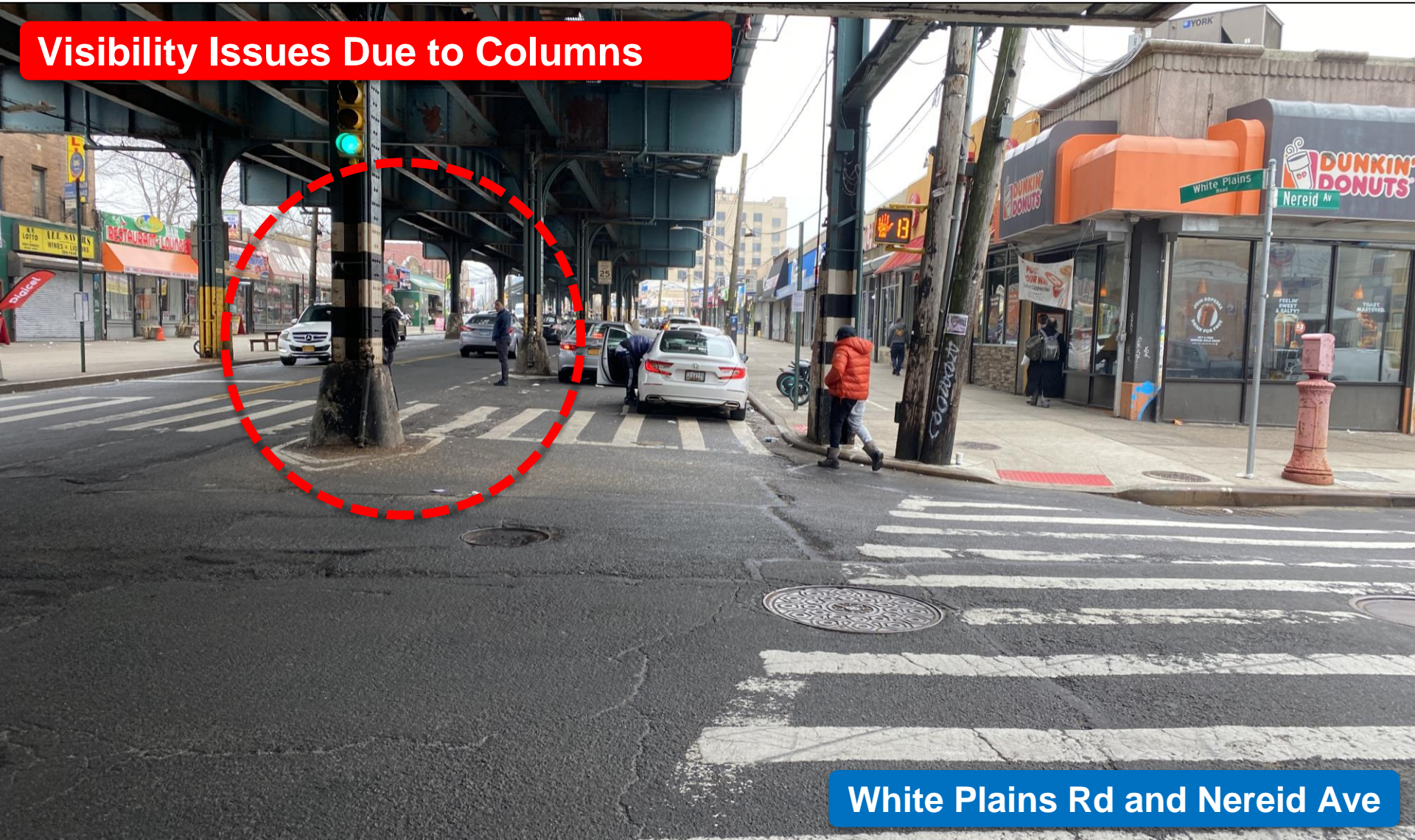
Double Parking/ Vehicular Conflicts



White Plains Rd and E 232nd St

Existing Conditions

Visibility Issues Due to Columns



White Plains Rd and Nereid Ave

Existing Conditions

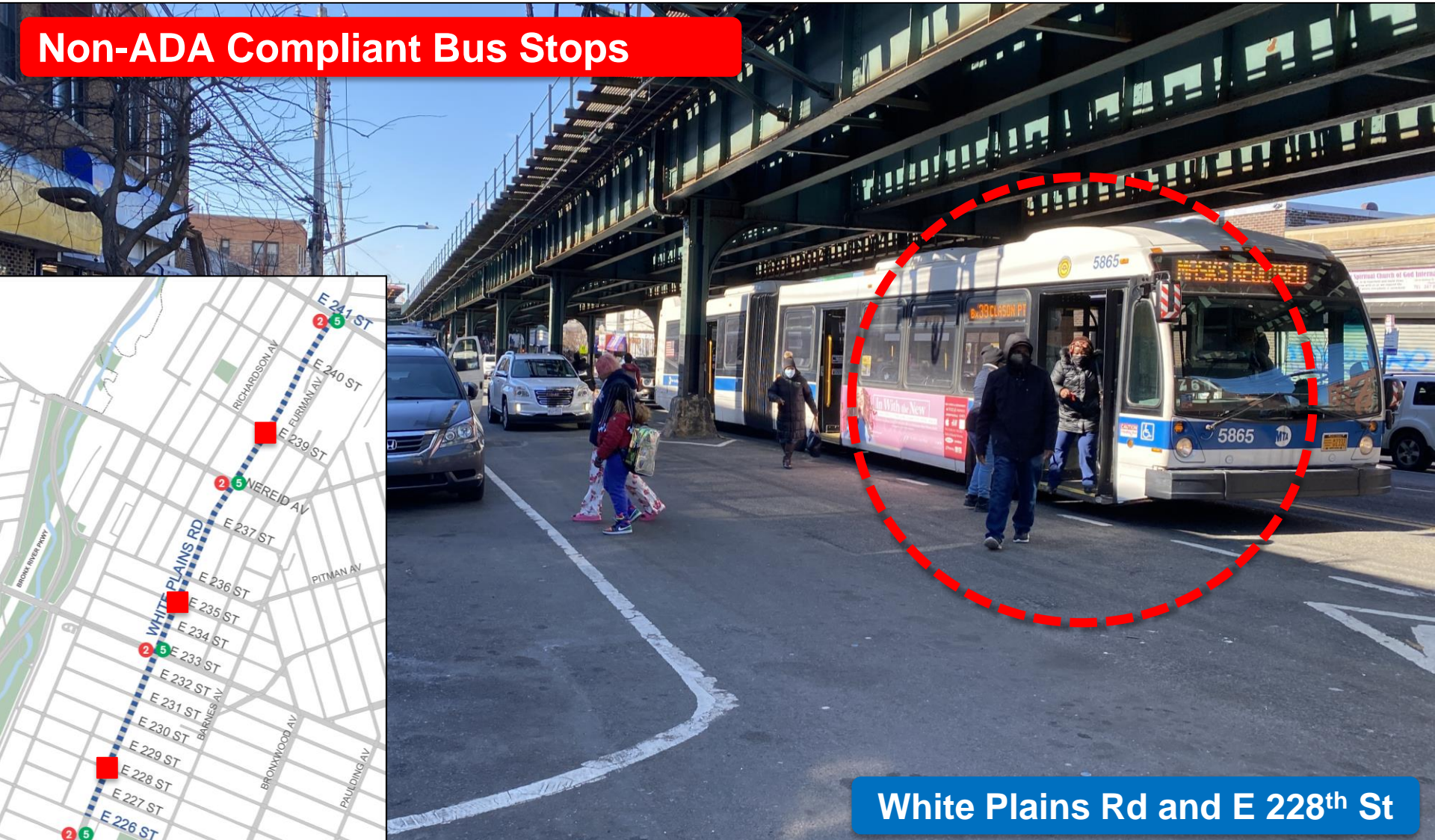
Lack of Pedestrian Crossings



White Plains Rd and E 228th St

Existing Conditions

Non-ADA Compliant Bus Stops



White Plains Rd and E 228th St

Existing Conditions

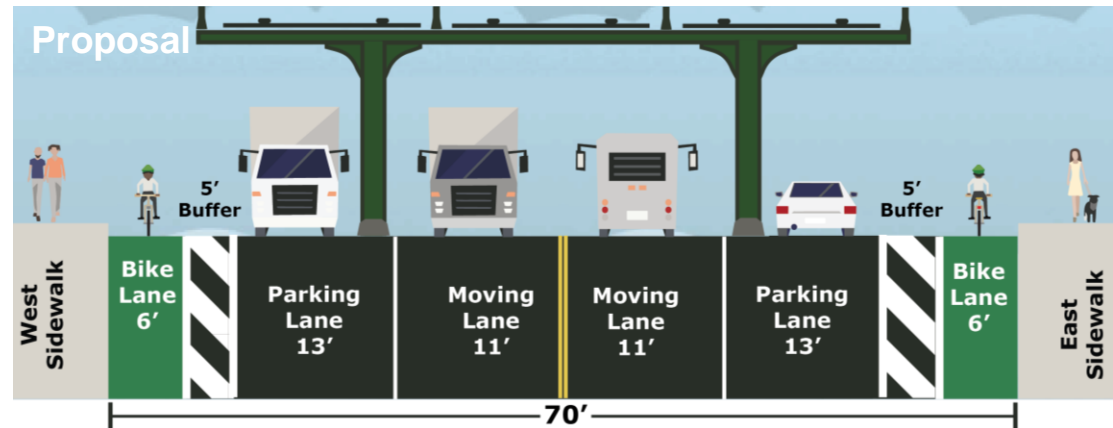
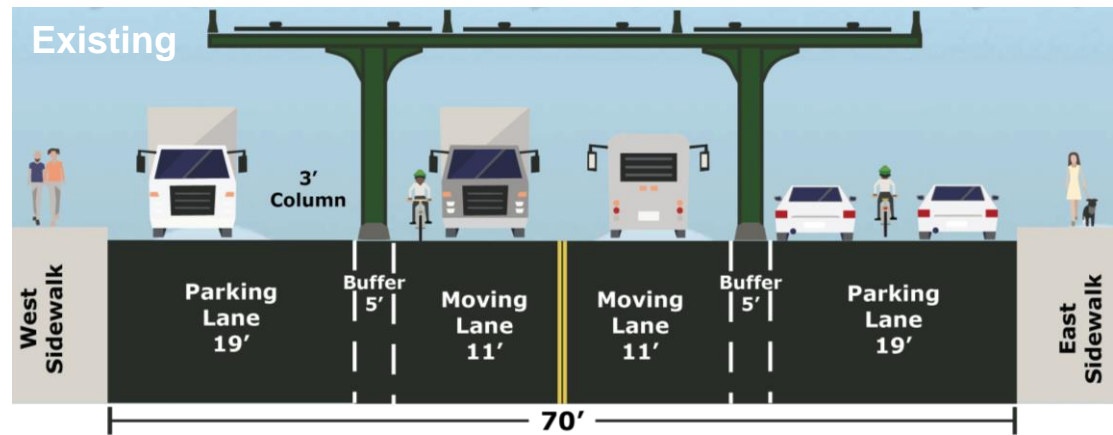
Lack of Bicycle Facilities



White Plains Rd and E 236th St

Proposal

- Move curbside parking adjacent to columns
- Install Protected Bike Lane in north/southbound directions
- Install a new signal and pedestrian crossings at E 228th St
- Install concrete Bus Boarding Islands at E 228th St, E 235th St, and E 239th St
- Install painted pedestrian spaces at intersections where feasible
- Install delineators to encourage vehicles to make slower, safer turns and to yield to pedestrians and cyclists

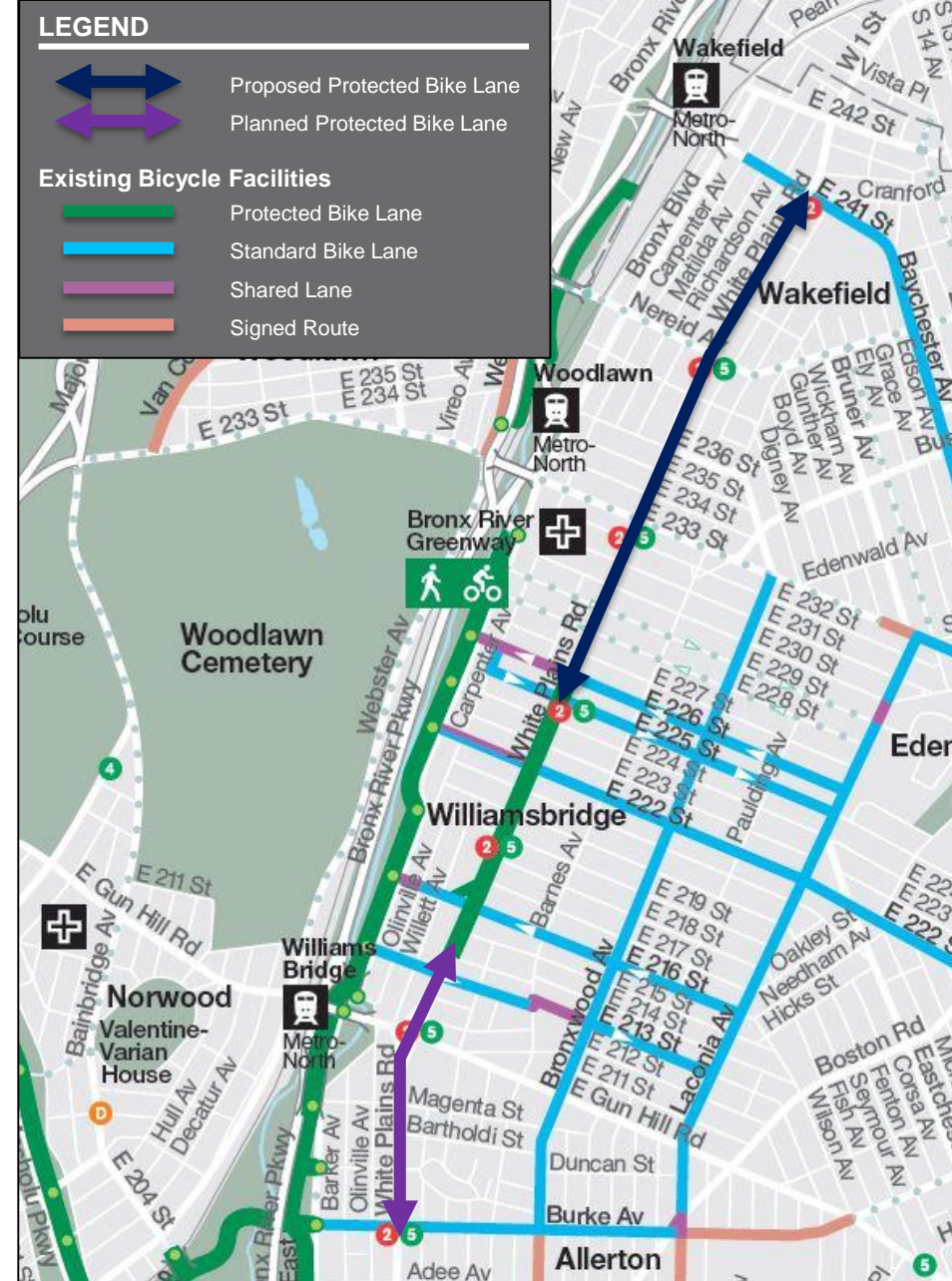


Proposed White Plains Rd E 226th to E 241st St

Proposal

Protected Bike Lane

- Install curbside Protected Bike Lane from E 226th St to E 241st St (1.15 miles; 2.3 Protected Bike Lane miles)
- Connects to north/ south Protected Bike Lane on White Plains Rd and to east/ west bike lane on E 241st St



White Plains Rd Proposed Bike Network

Proposed: Protected Bike Lanes

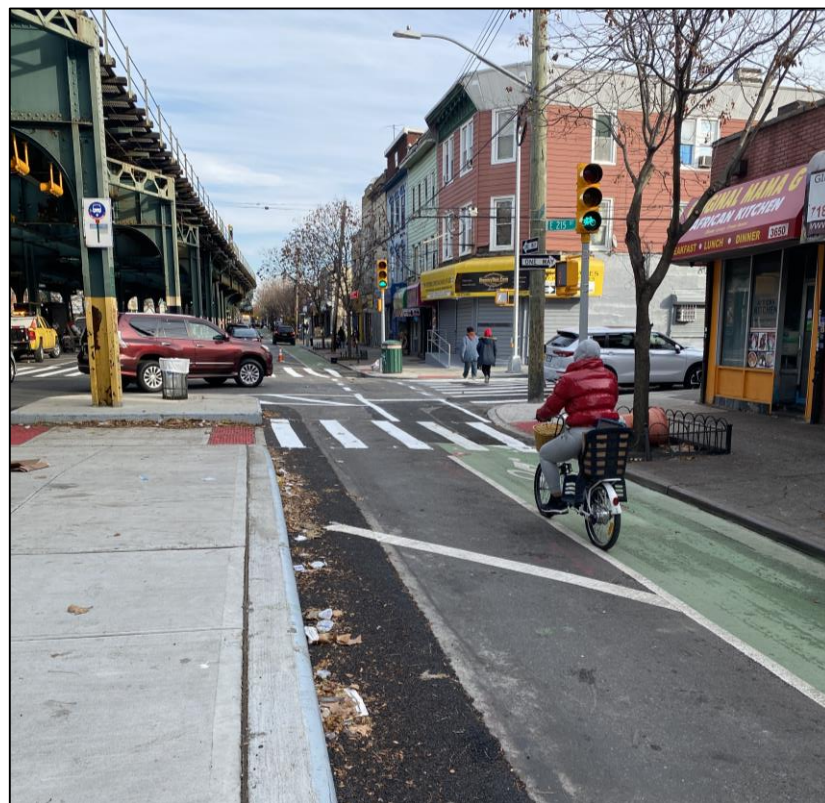
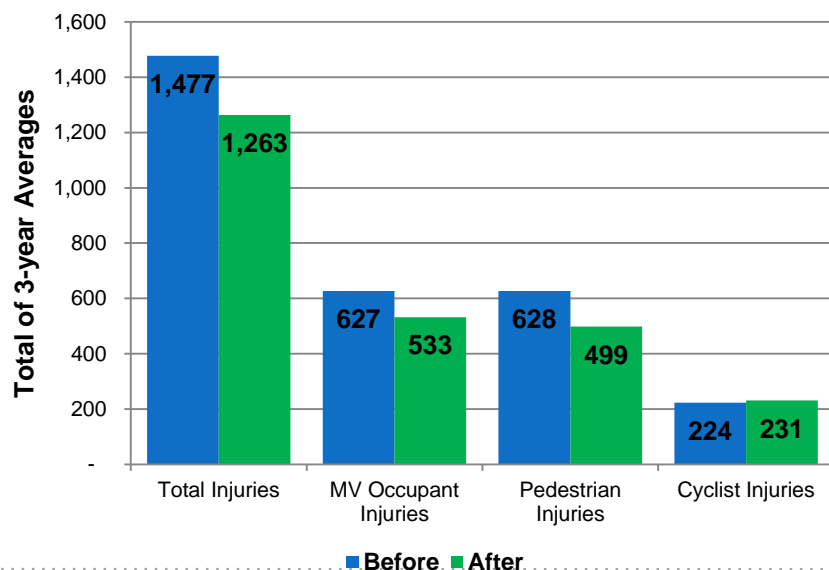
- Street designs that include Protected Bike Lanes (PBL) increase safety for all users

- 15% drop in all crashes with injuries
 - 21% drop in pedestrian injuries

On streets where Protected Bike Lanes were installed 2007-2017

- Injuries to cyclists increase only 3%, despite a 61% bike volume increase

Protected Bike Lanes Before and After Crash Data, 2007 - 2017



Protected Bike Lane: White Plains Rd and E 215th St, Bronx

Proposed: Bus Stop Under the EI

- Bus Stop Under the EI (BSUE) program installs Bus Boarding Islands and Bus Bulbs on these corridors to upgrade to ADA compliance
- Install Bus Boarding Islands on White Plains Rd at E 228th St, E 235th St, and E 239th St
- Similar design installed in 2021 at E 215th St and E 222nd St



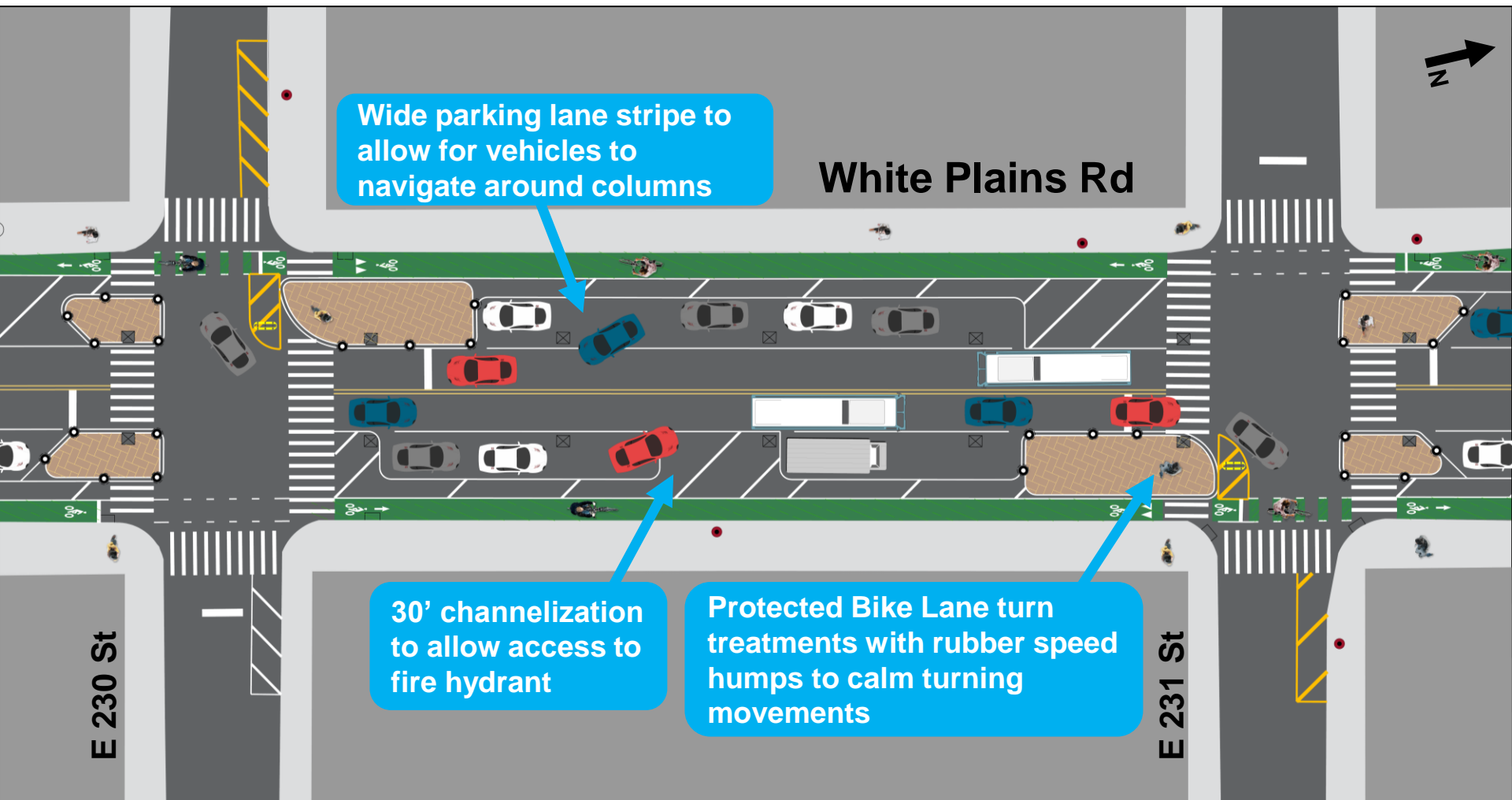
Existing Conditions at White Plains Rd and E 228th St



Completed Bus Island at White Plains Rd and E 222nd St

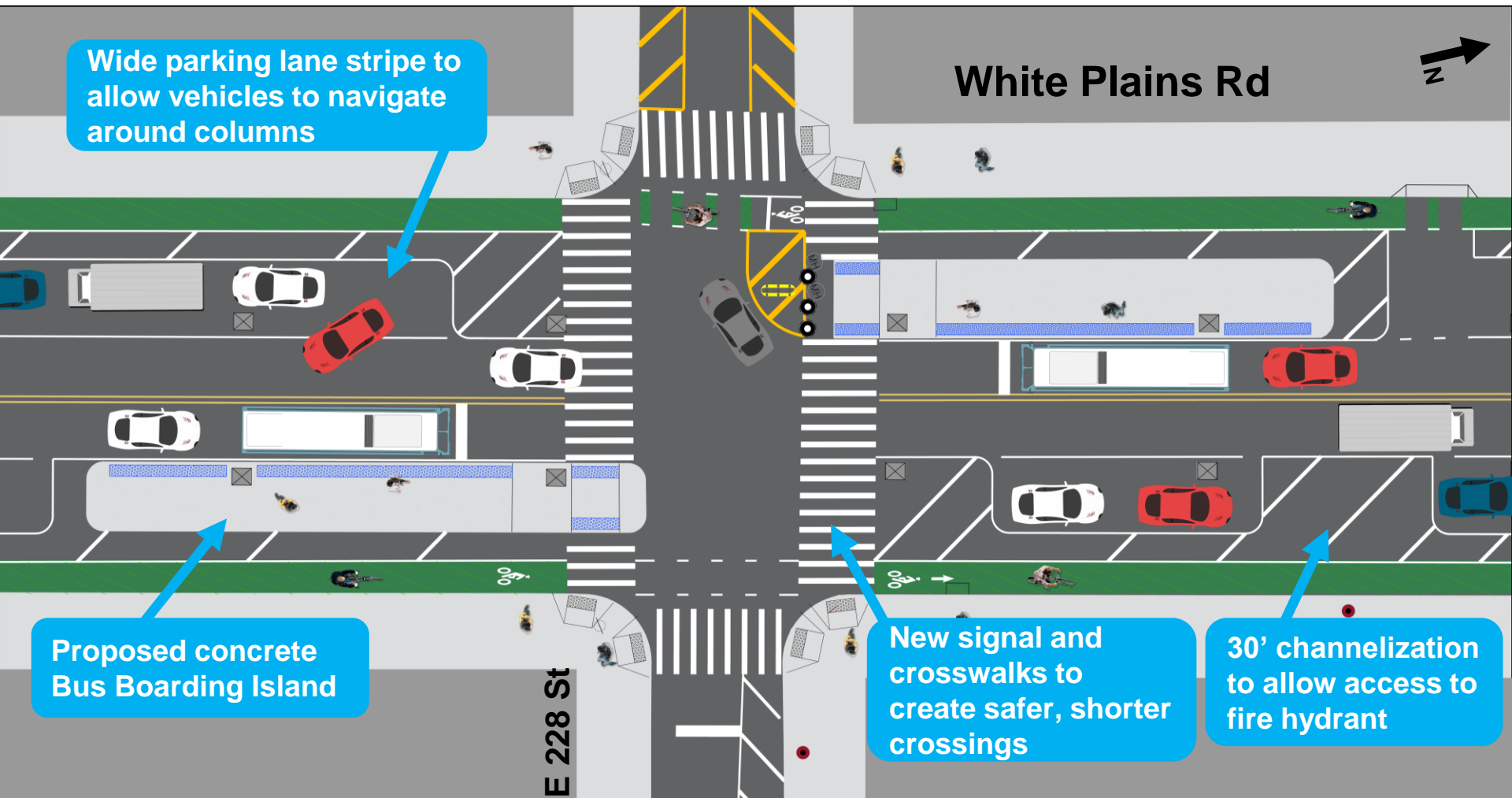
Proposal: Parking Typical

E 230th St to E 231st St



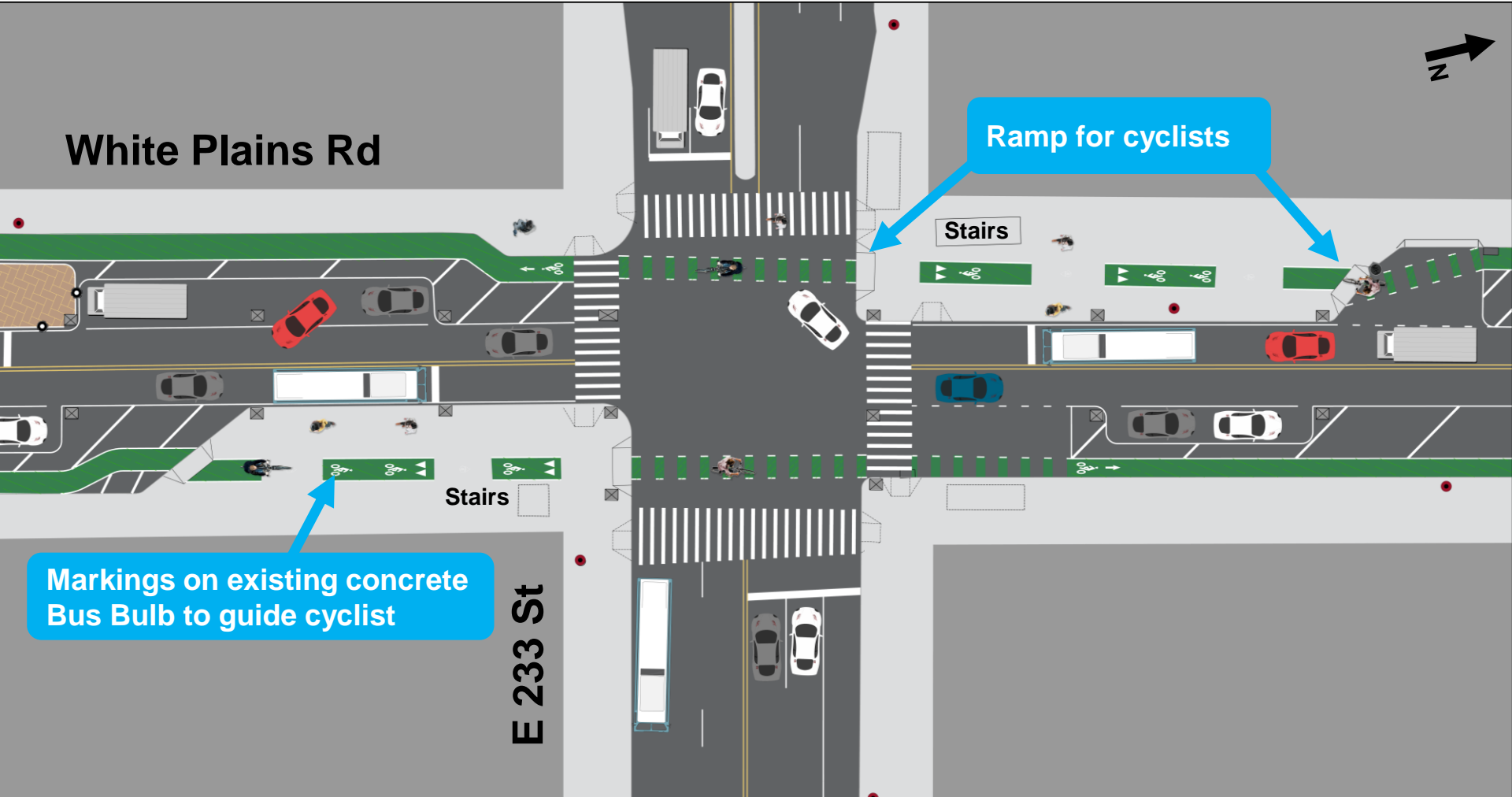
Proposal: Concrete Bus Boarding Island

E 228th St

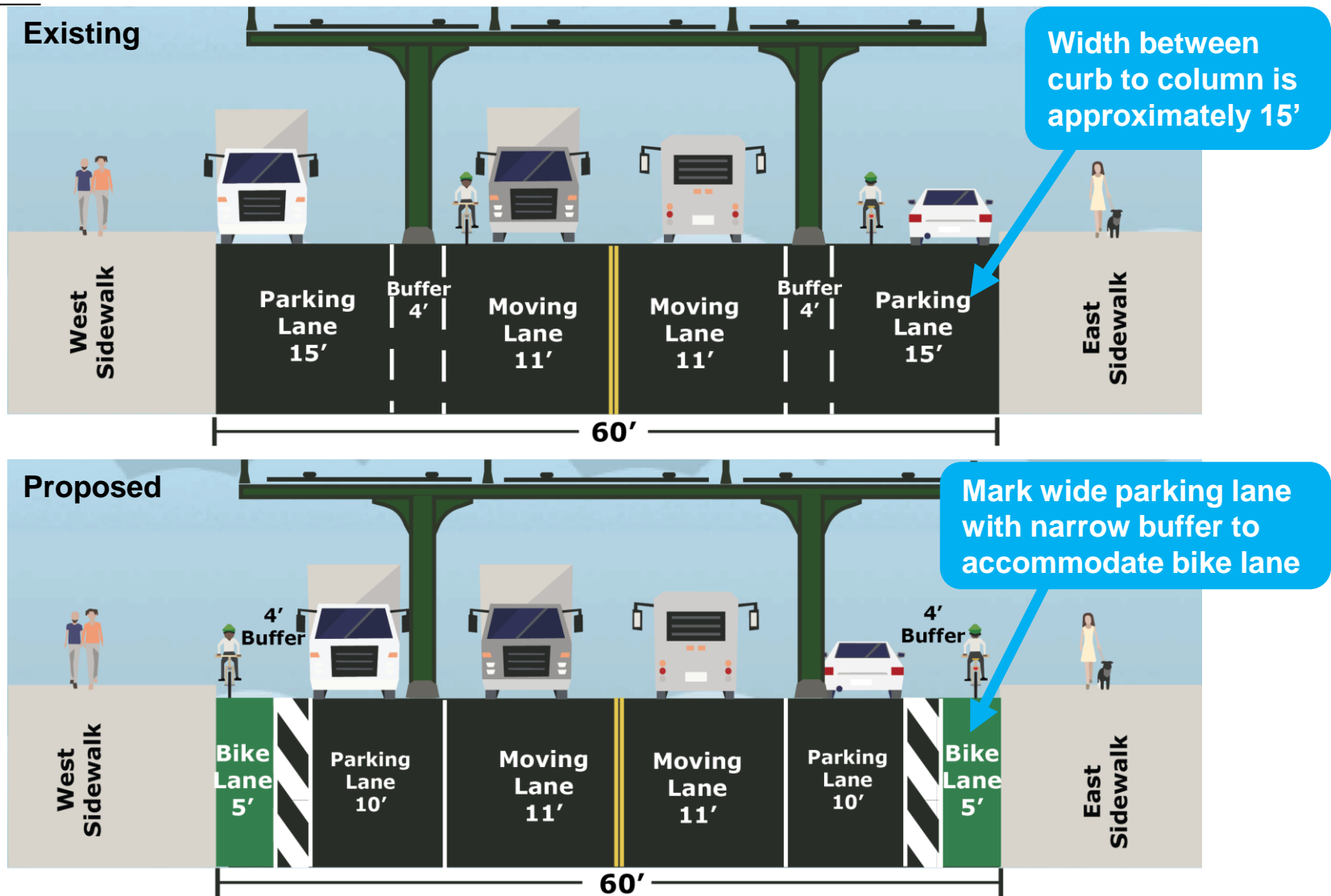


Proposal: Bus Bulb

E 233 St

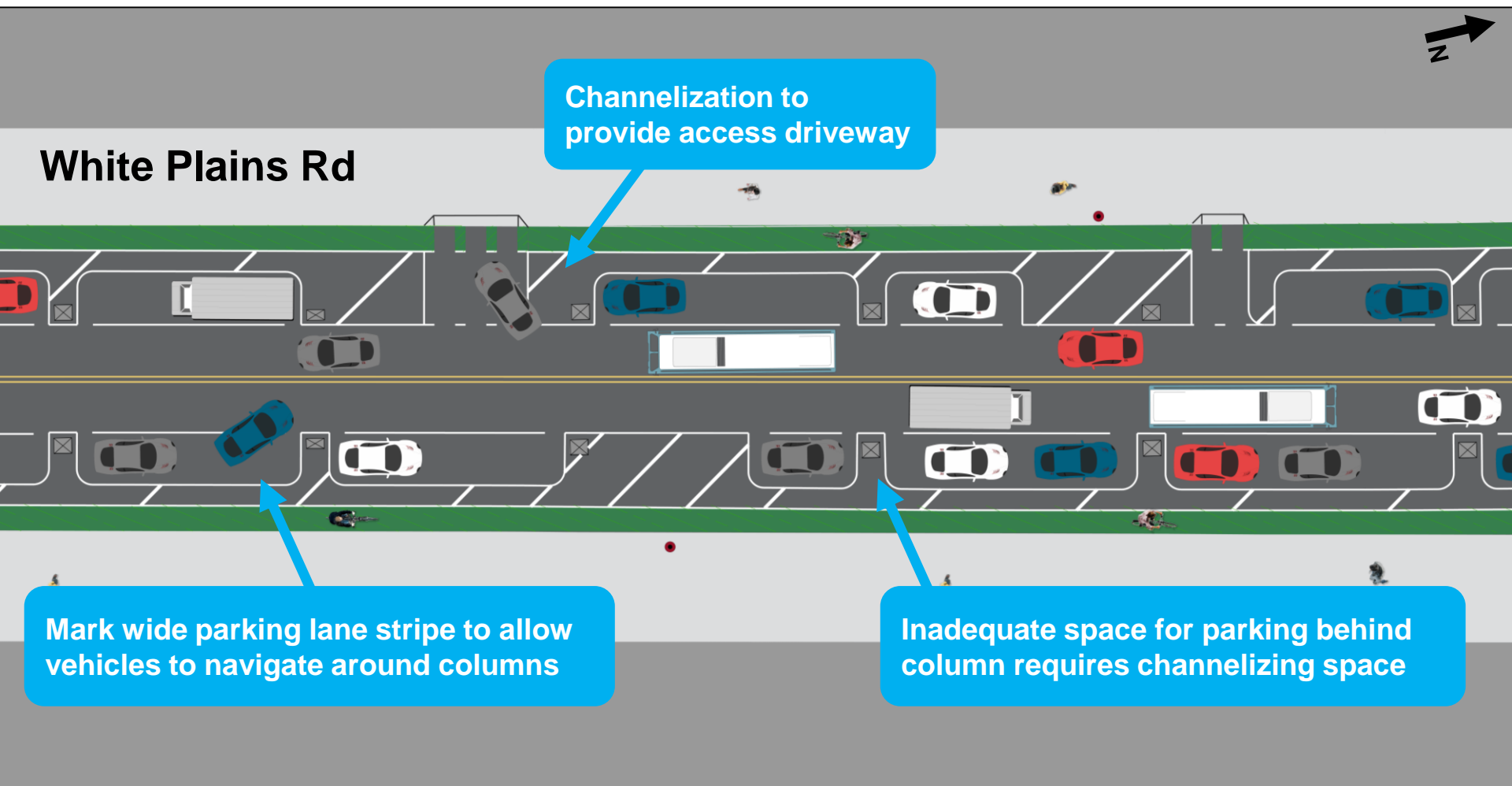


Proposal: E 233rd St to E 241st St Cross Section



Proposal: Narrow Parking Lane Typical

E 233rd St to E 241st St



Parking and Curb Management

- On the 1.15 mile corridor each location was evaluated to determine if parking is feasible

Design Change	Parking Change
Protected Bike Lane Design Treatments (daylighting, turn treatments, etc.)	- 95 spots
Bus Stop Under the EI treatments	- 24 spots
Parking Additions (Relocation of bus layover space and design adjustments)	+ 5 spots
Total Change	114 spots repurposed* (106 Metered and 22 ASP)

* Estimates may change based on design modifications

Parking and Curb Management

- Investigate loading zones near supermarkets and retail stores:
 - Key Food Supermarket between E 232 St and E 233 St
 - Foodtown Supermarket between E 236 St and E 237 St
 - Fairbanks Lumber True Value between E 239 St and E 240 St



Truck Double Parked on White Plains Rd

Project Implementation

- In Fall 2021, NYC DOT implemented the first Protected Bike Lane on White Plains Rd, between E 214th St to E 226th St adding 0.6 miles to the Protected Bike Lane network
- In summer 2022, NYC DOT will install the rest of scope to Burke Ave and continue to monitor and address issues throughout the corridor
- This year's project is planned to begin late Summer 2022



White Plains Rd and E 216th St, BX

Project Benefits

- Reduces vehicle conflicts under the elevated structure
- Clarifies traffic movements
- Reduces speeding
- New signal installation provides safer pedestrian crossings
- Provides safe, accessible bus stops
- Expands the Protected Bike Lane network in the Bronx



White Plains Rd and E 216th St, BX

Thank You!



NYCDOT



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