



E 170TH ST & TELLER AVE

Presentation to CB4

January 6th, 2021

BACKGROUND

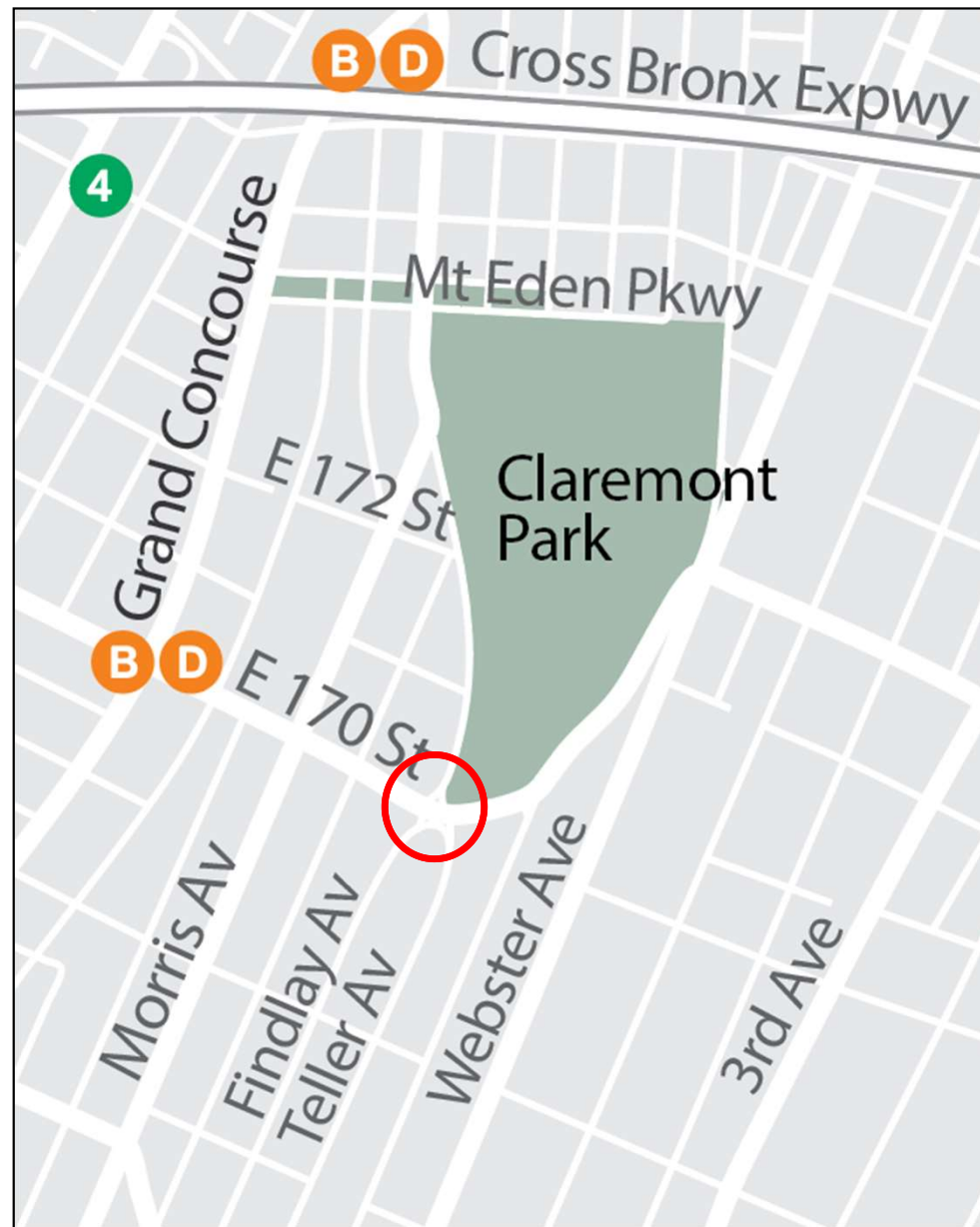
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BACKGROUND

- Nearby projects on Morris Ave after pedestrian fatality in 2015
- South entrance to Claremont Park at northeast corner of intersection
- Adjacent to PCMH housing for persons with mental illness
- Traffic generated from the Cross Bronx Expwy and Grand Concourse
- In proximity to B, D and 4 trains at E 170th St stations

Injury Summary, 2014-2018 (5 years)

	Total Injuries	Severe Injuries
Pedestrian	2	0
Bicyclists	1	1
Motor Vehicle Occupant	7	0
Total	10	1

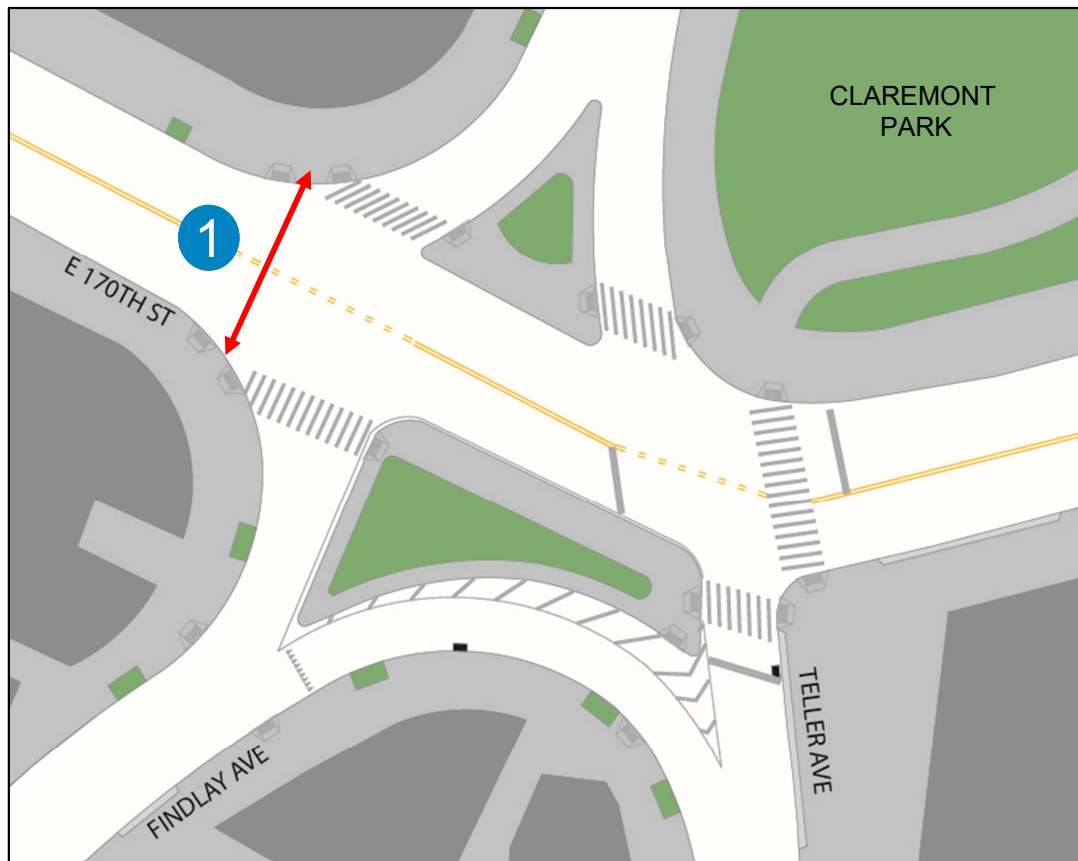


EXISTING CONDITIONS

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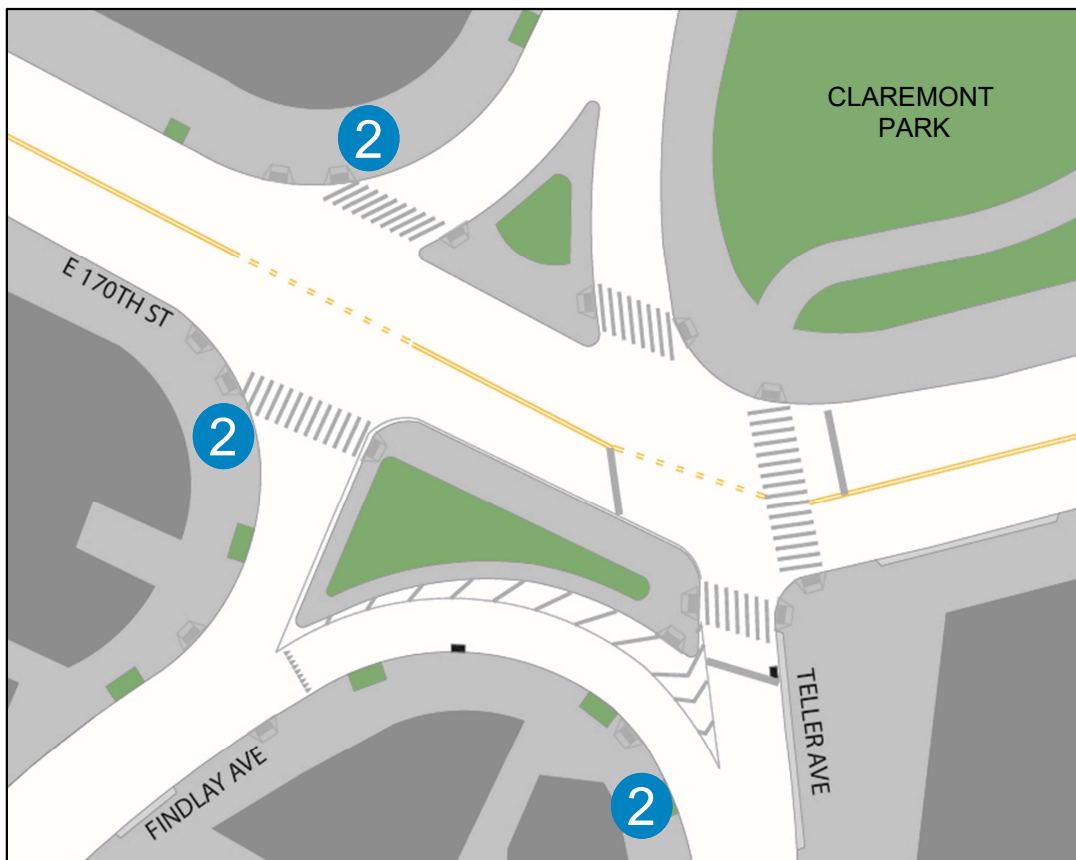
EXISTING CONDITIONS

- 1 Pedestrian desire to cross E 170th St on west side of intersection



EXISTING CONDITIONS

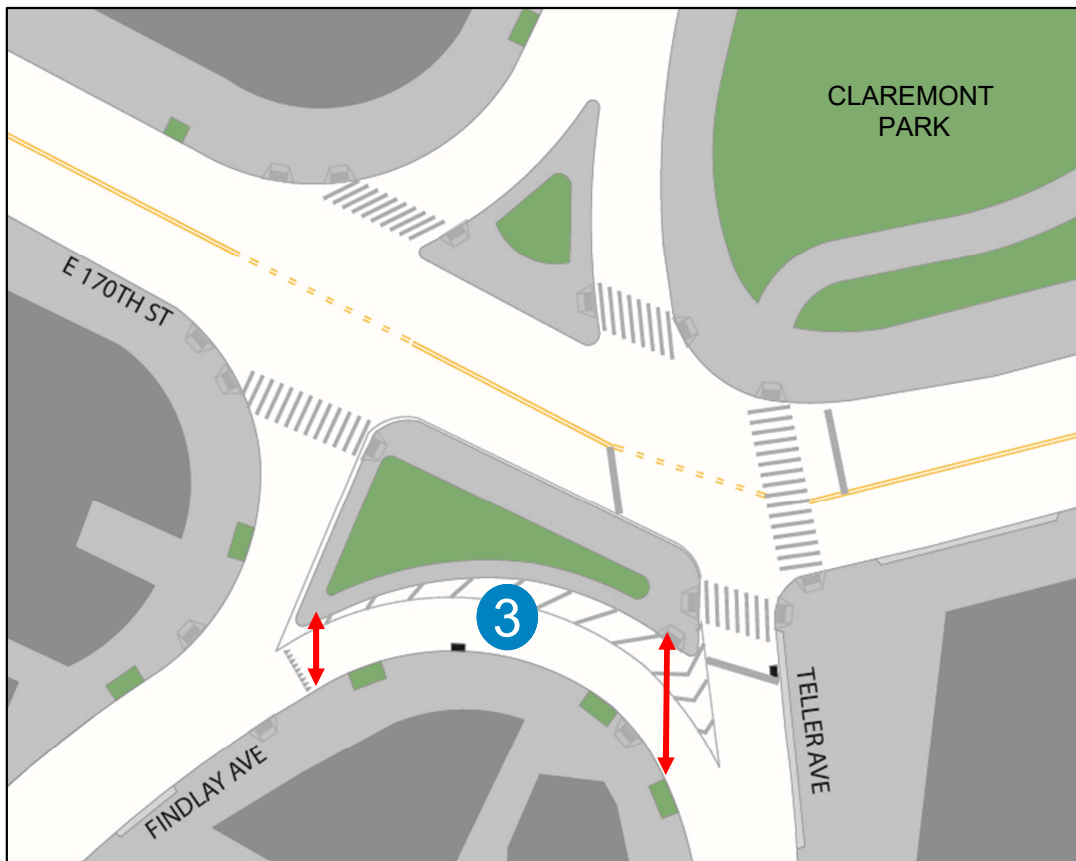
- 1 Pedestrian desire to cross E 170th St on west side of intersection
- 2 Large corners allow vehicles to turn at unsafe speeds



EXISTING CONDITIONS

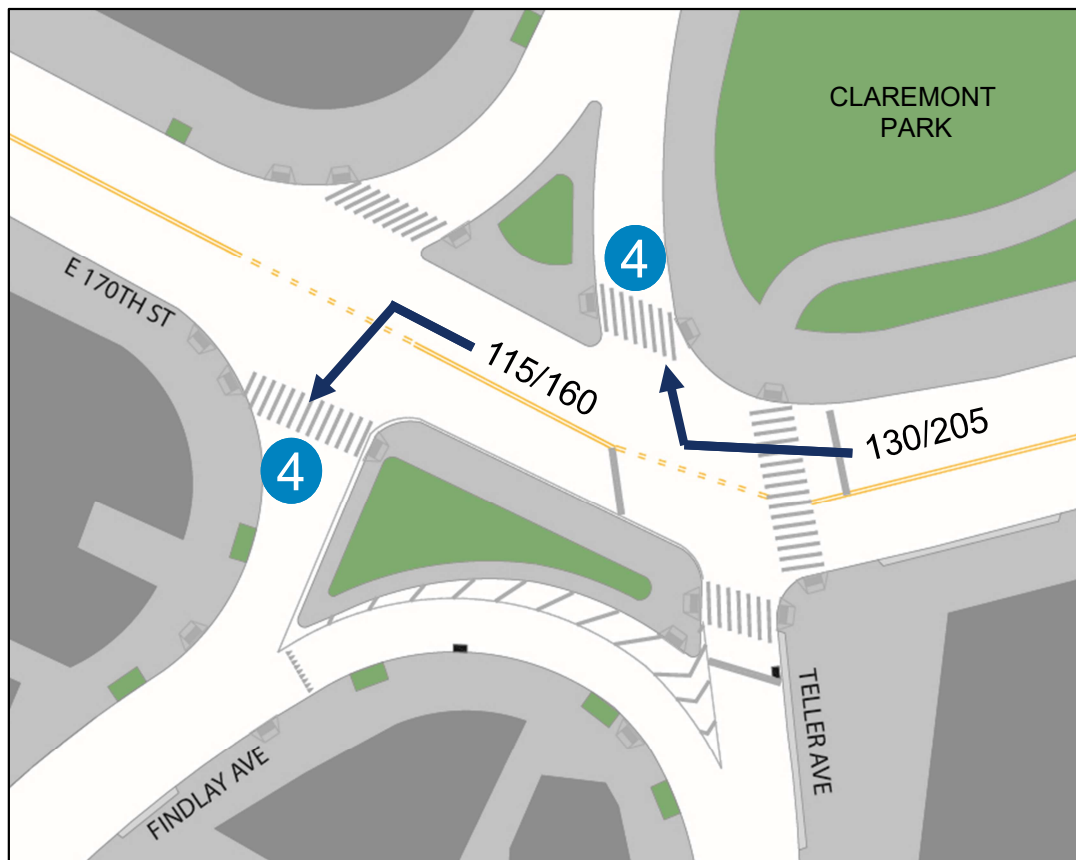
- 1 Pedestrian desire to cross E 170th St on west side of intersection
- 2 Large corners allow vehicles to turn at unsafe speeds

- 3 No pedestrian crossings across slip to pedestrian island



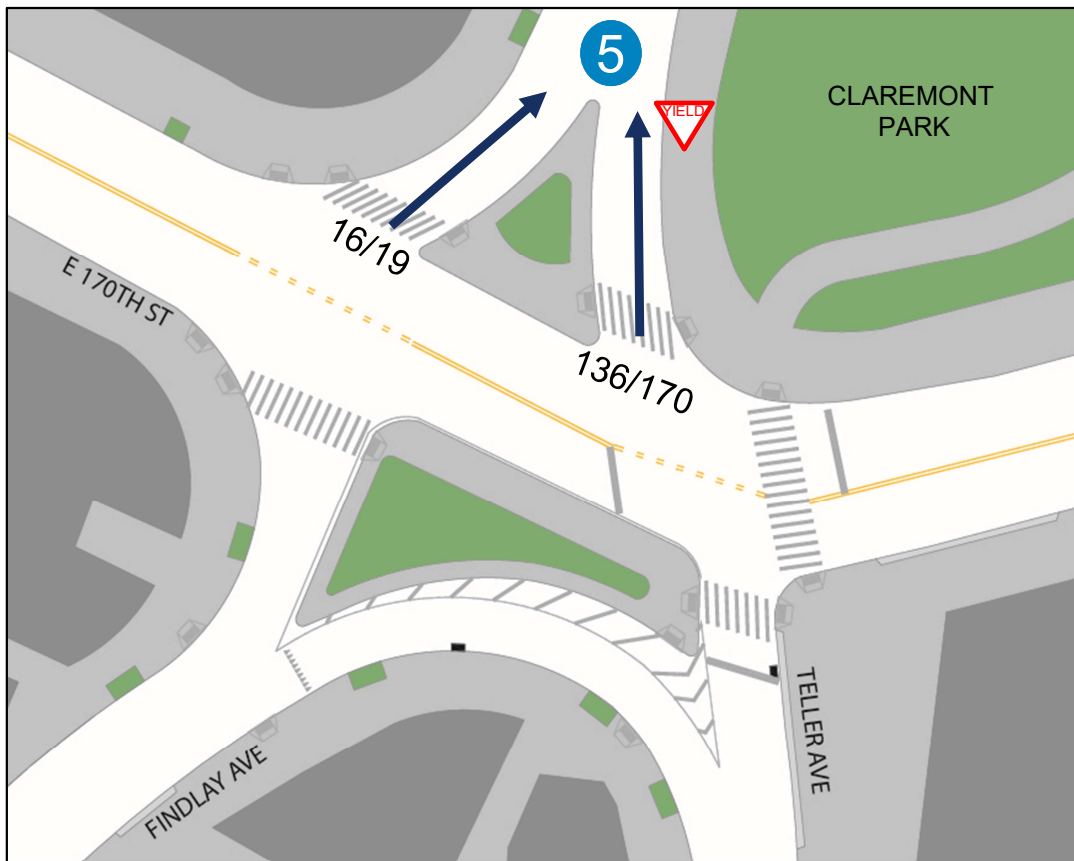
EXISTING CONDITIONS

- 1 Pedestrian desire to cross E 170th St on west side of intersection
- 2 Large corners allow vehicles to turn at unsafe speeds
- 3 No pedestrian crossings across slip to pedestrian island
- 4 Heavy turning vehicle traffic conflicts with pedestrian movement



EXISTING CONDITIONS

- 1 Pedestrian desire to cross E 170th St on west side of intersection
- 2 Large corners allowing vehicles to turn at unsafe speeds
- 3 No pedestrian crossings across slip to pedestrian island
- 4 Heavy westbound right turning traffic conflicts with pedestrian movement
- 5 Higher volume street yields to lower volume street



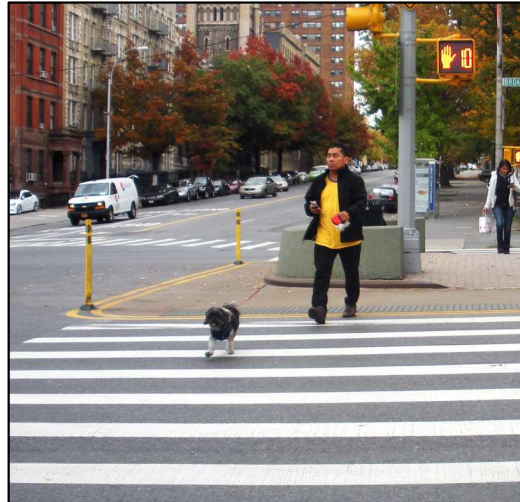
PROPOSAL

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IN-HOUSE TOOLKIT



Traffic Signals



Crosswalks



Concrete Curb Extensions



**Pedestrian Priority
Signals**



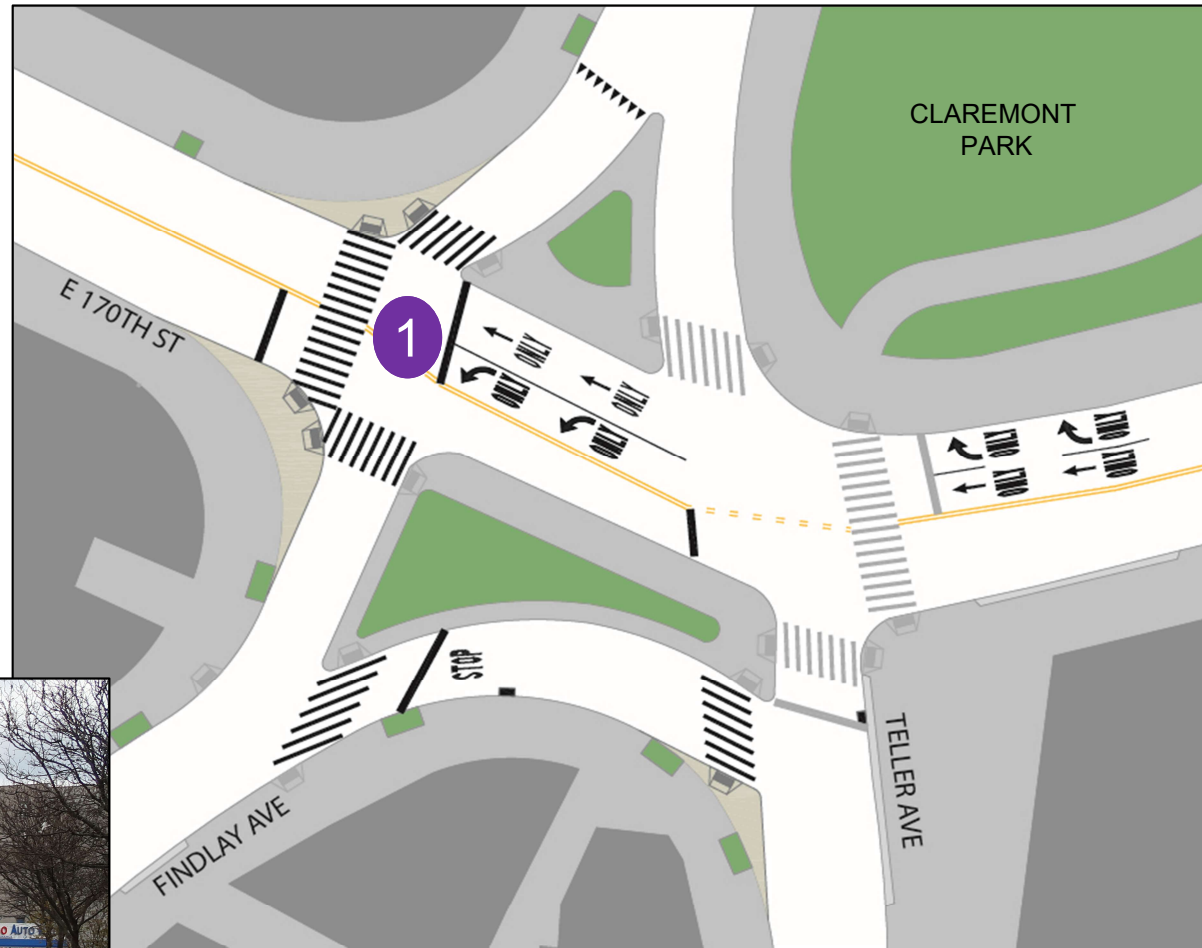
Stop Signs



Turn Bays

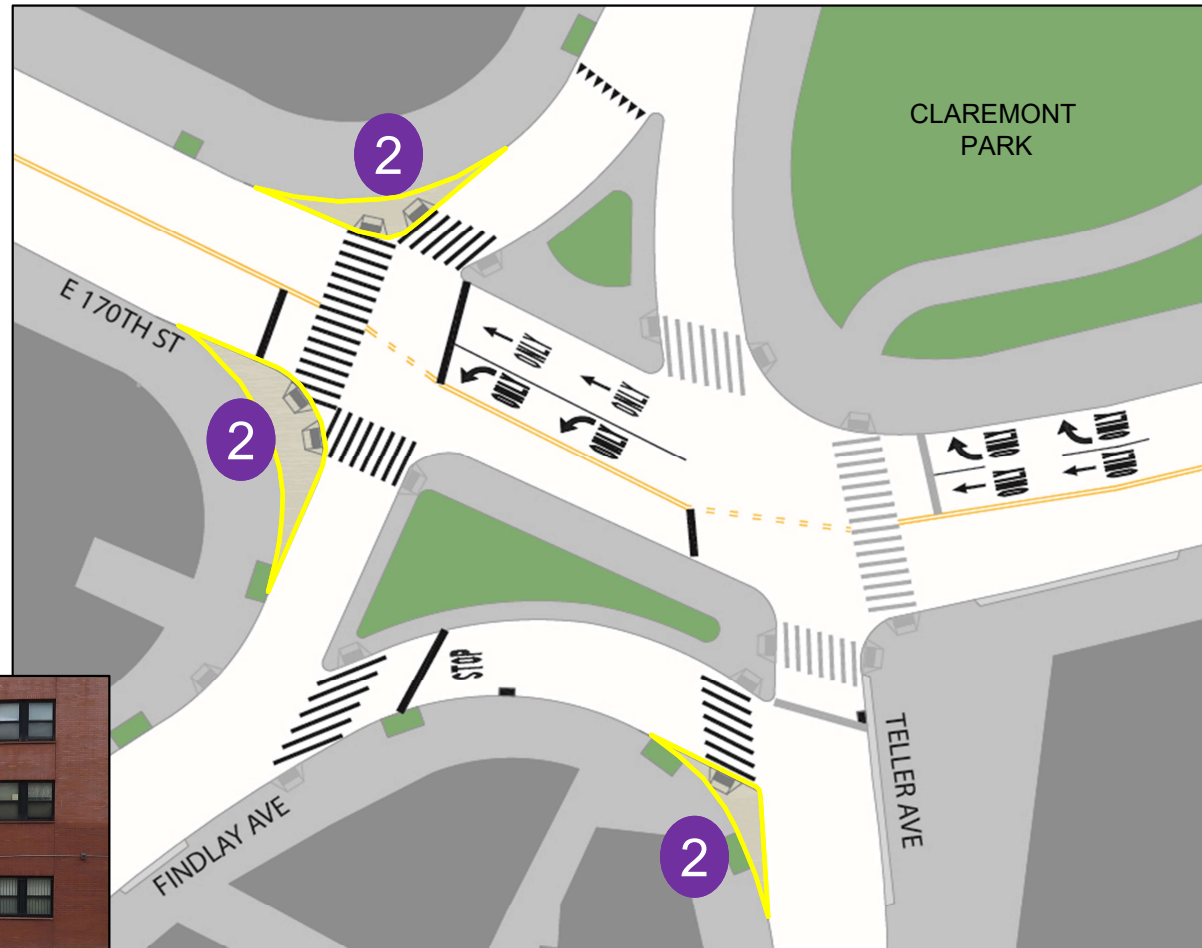
PROPOSAL

- 1 Install new signal at E 170th St and Findlay Ave, crosswalk across E 170th St and left turn lane



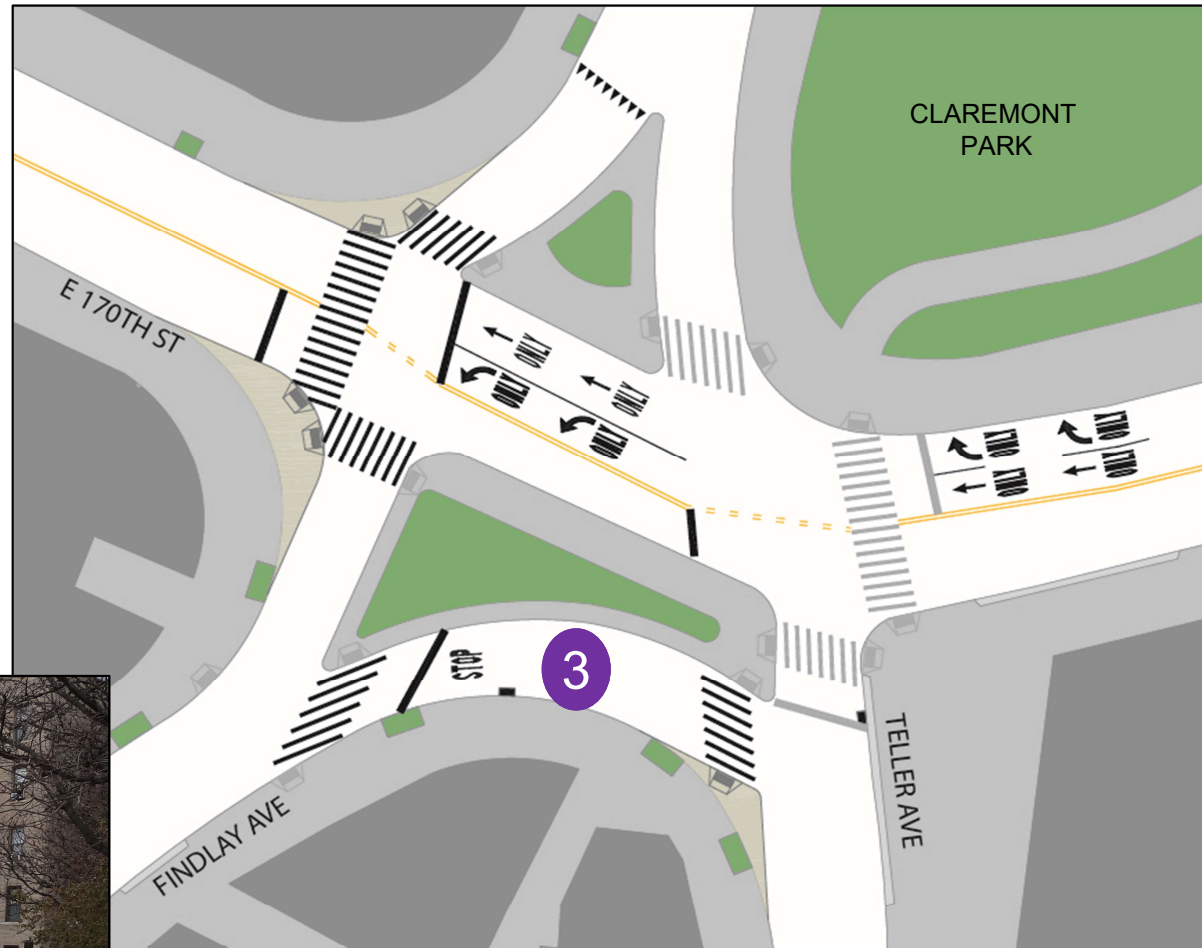
PROPOSAL

- 1 Install new signal at E 170th St and Findlay Ave, install crosswalk across E 170th St and left turn lane
- 2 Install concrete curb extensions



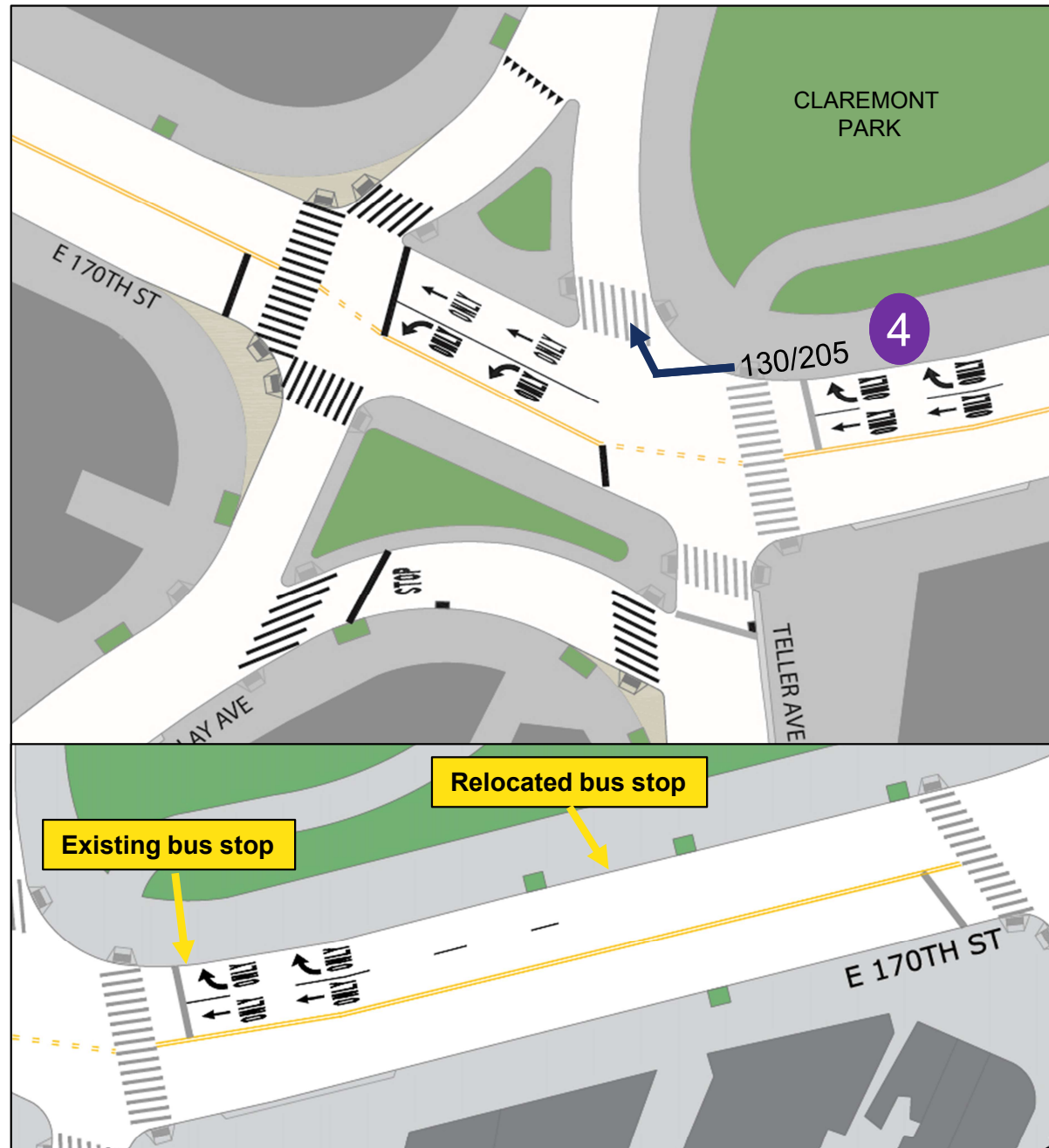
PROPOSAL

- 1 Install new signal at E 170th St and Findlay Ave, install crosswalk across E 170th St and left turn lane
- 2 Install concrete curb extensions
- 3 Upgrade yield control to stop control and install crosswalks across slip



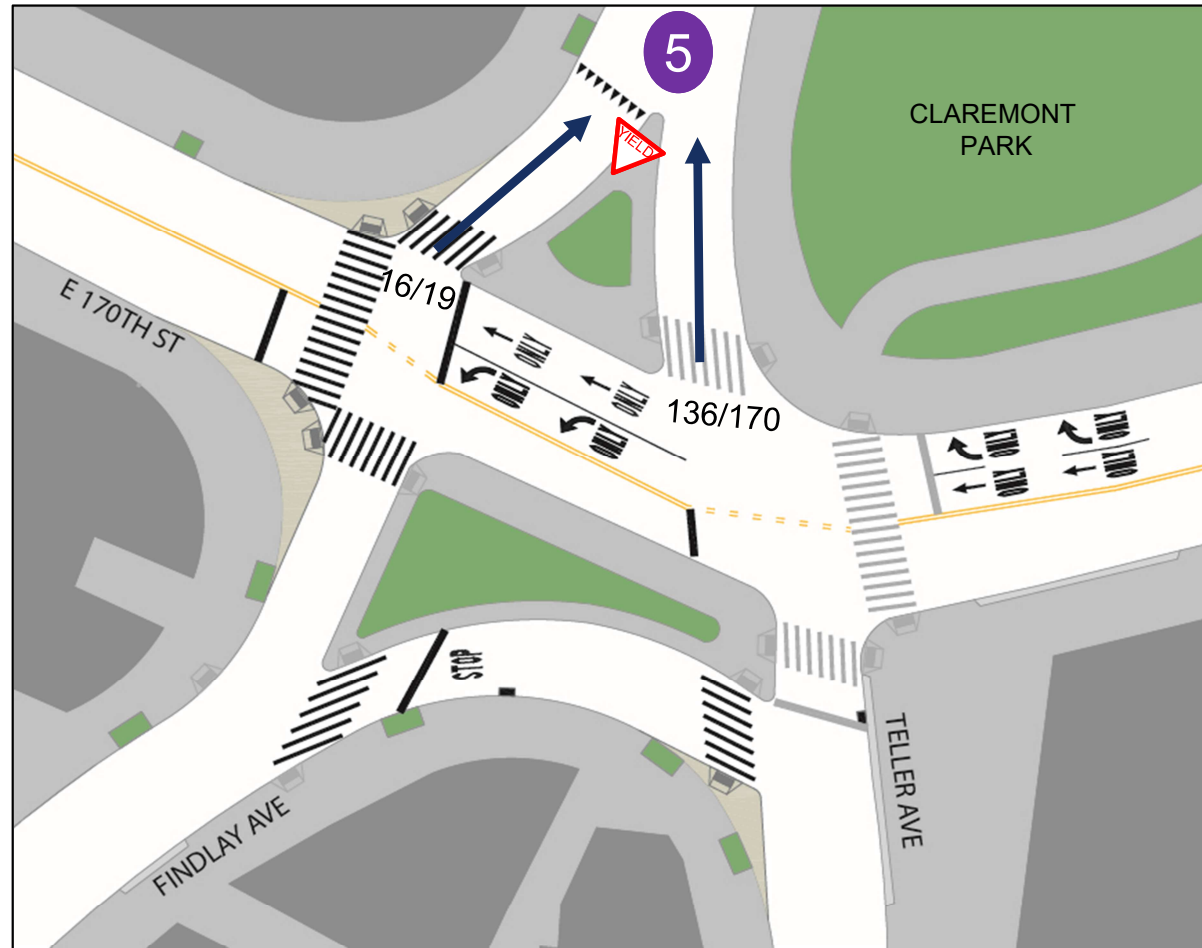
PROPOSAL

- 1 Install new signal at E 170th St and Findlay Ave and install crosswalk across E 170th St
- 2 Install concrete curb extensions
- 3 Upgrade yield control to stop control and install crosswalks across slip
- 4 Relocate bus stop to install right turn lane and split leading pedestrian interval
 - Vehicles making right turns are held for 7 seconds to allow pedestrians to cross the intersection first
 - Vehicles going straight are unaffected



PROPOSAL

- 1 Install new signal at E 170th St and Findlay Ave, install crosswalk across E 170th St and left turn lane
- 2 Install concrete curb extensions
- 3 Upgrade yield control to stop control and install crosswalks across slip
- 4 Relocate bus stop to install right turn lane and split leading pedestrian interval
 - Vehicles making right turns are held for 7 seconds to allow pedestrians to cross the intersection first
 - Vehicles going straight are unaffected
- 5 Switch yield control to minor street



TIMELINE

Tentative construction in 2022



BENEFITS

- Expanded pedestrian space
- Completes the pedestrian network
- Reduced pedestrian-vehicle conflicts
- Safer, shorter pedestrian crossings
- Clarified traffic movements



SUMMARY

- Install three concrete curb extensions
- Install new signal at E 170th St and Findlay Ave and crosswalk across west side of intersection
- Relocate bus stop to install right turn lane and split pedestrian leading interval at westbound E 170th St and Teller Ave
- Install left turn lane at westbound E 170th St and Findlay Ave
- Upgrade yield control at slip approach of E 170th St and Findlay Ave to stop control
- Install two crosswalks across slip
- Switch yield control to minor street of Teller Ave

THANK YOU!



Questions?



NYC DOT



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