



NORTHERN BLVD: 146 ST – 147 ST

School Safety Improvements

Presentation to CB 7 Transportation Committee | May 31, 2018

PROJECT BACKGROUND

1

VISION ZERO PRIORITY

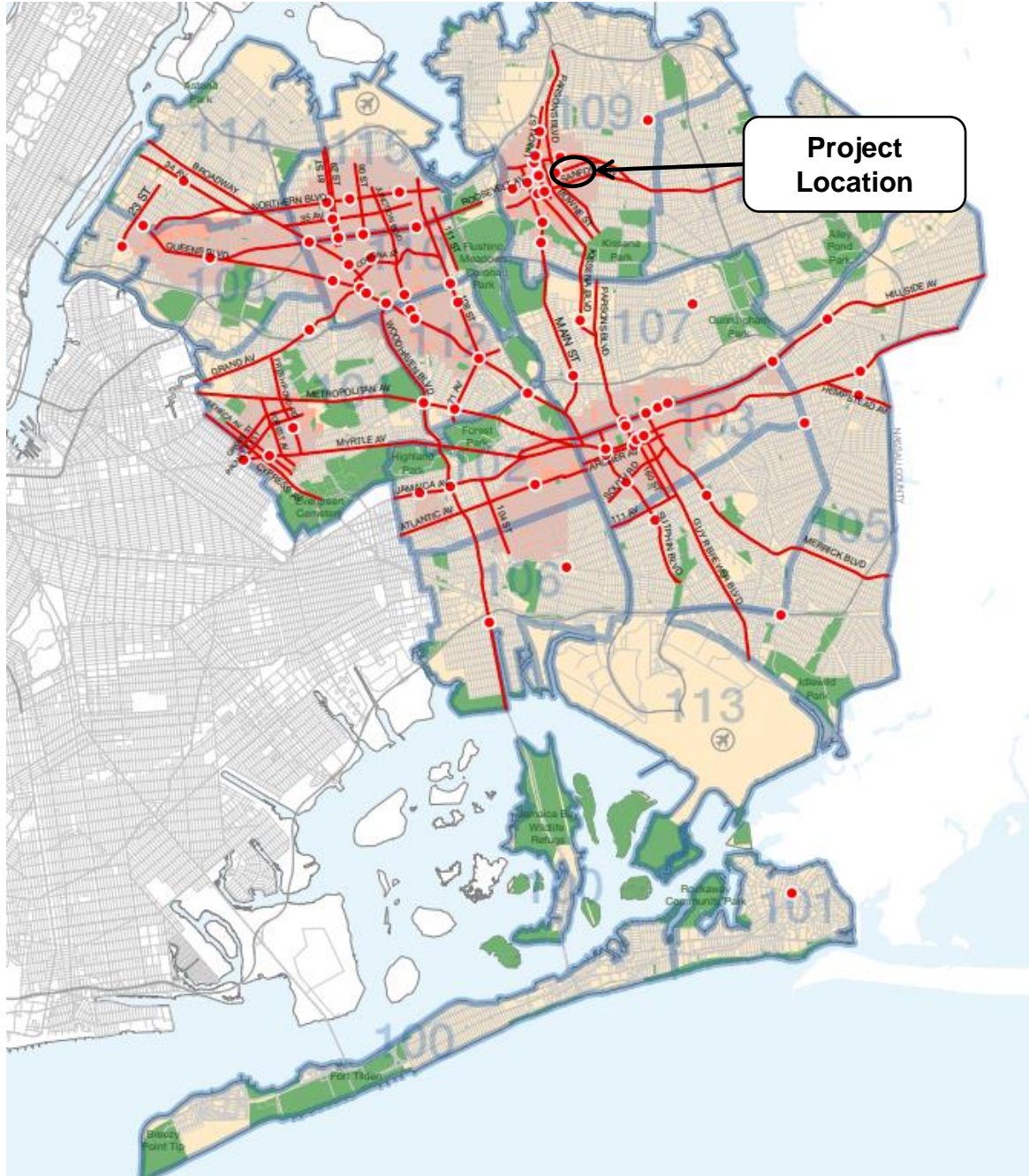
Queens Priority Geographies

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

Northern Blvd

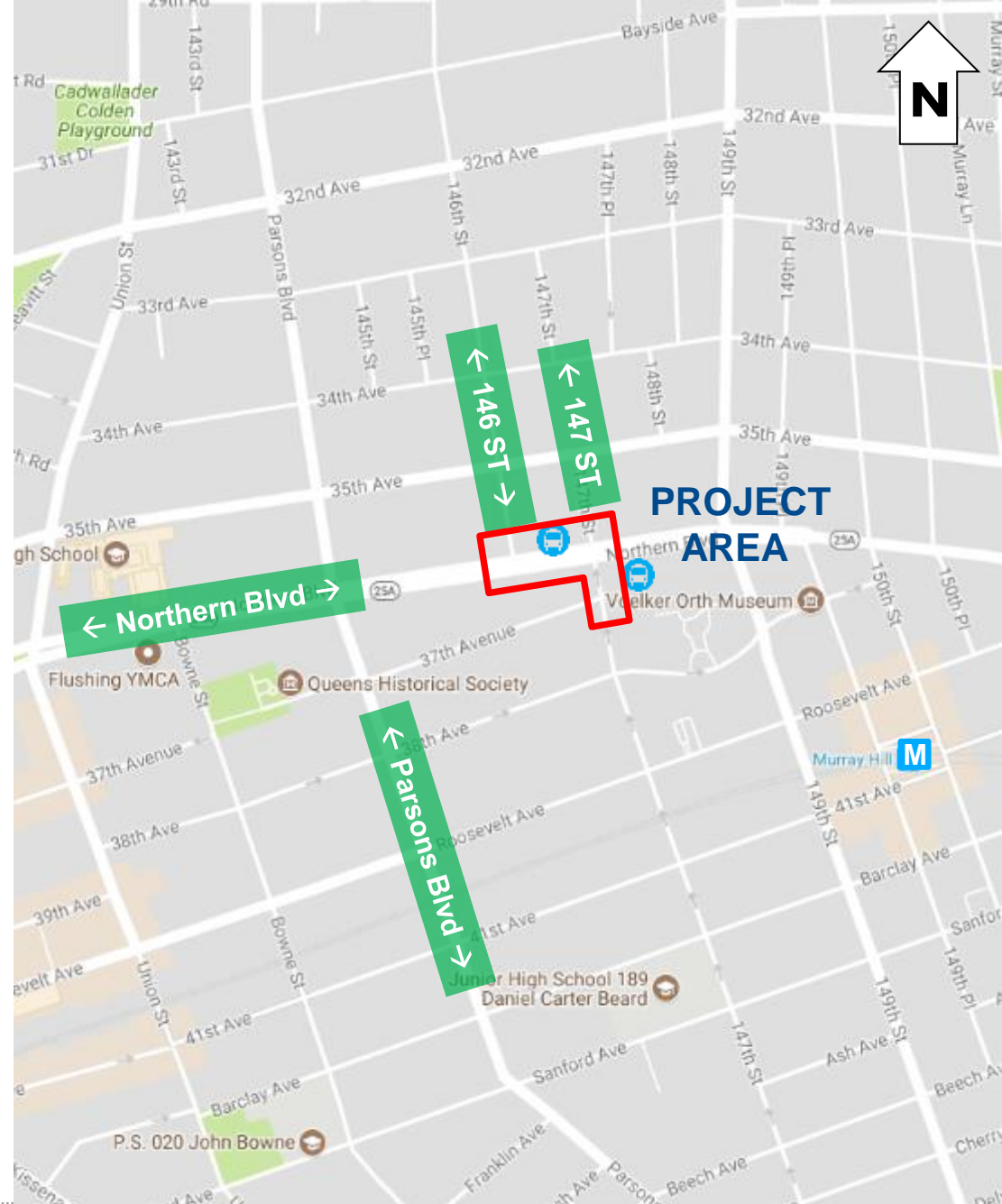
- Northern Blvd and 146 St is a Vision Zero Priority Intersection
- Northern Blvd is a Vision Zero Priority Corridor
- Located in a Priority Area



PROJECT LOCATION

Northern Blvd: 146 St – 147 St

- Mixed use commercial and residential area
- Located in the Flushing Senior Pedestrian Focus Area
- Commercial corridor with multiple drive-thrus and parking lots at 146 St and 147 St
- Countdown clocks and leading pedestrian intervals installed at 146 St and 147 St crossing Northern Blvd in 2016 and 2017



PROJECT BACKGROUND

Northern Blvd: 146 St – 147 St

- Safety improvements requested by The Shield Institute, a private school for children and adults with Autism spectrum disorder
- Project area used by students accessing Flushing High School, Junior High School 189 and The Shield Institute
- 1 pedestrian fatality and 2 severe injuries (2012-2016)
- 61% of pedestrian injuries from left turn crashes

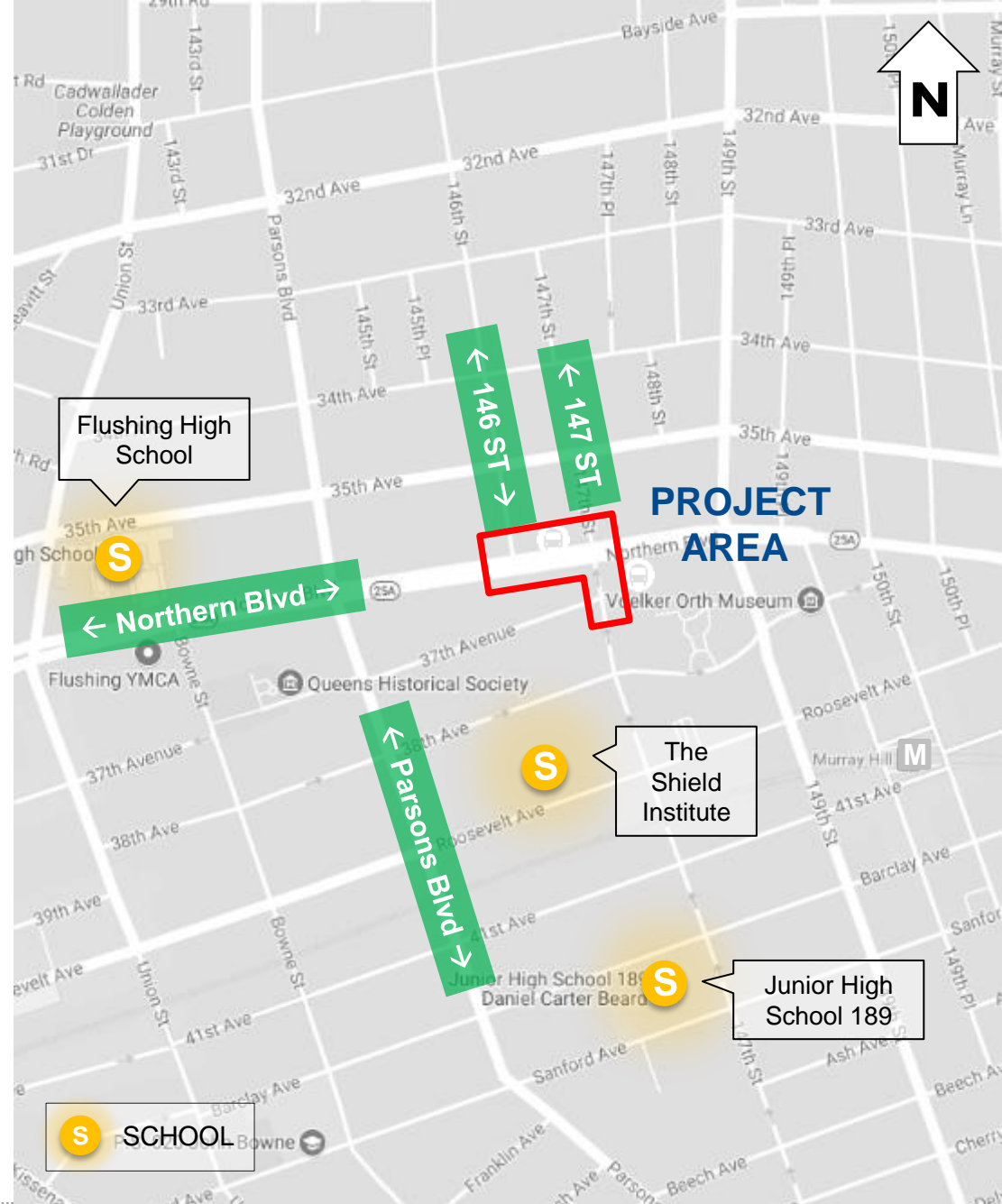
Northern Blvd - 146 St to 147 St, QN

Injury Summary, 2012-2016 (5 Years)

	Total Injuries	Severe Injuries	Fatalities	KSI
Pedestrian	18	2	1	3
Bicyclist	1	0	0	0
Motor Vehicle Occupant	37	1	0	1
Total	56	3	1	4

Fatalities, 01/01/2012-3/5/2018 : 1

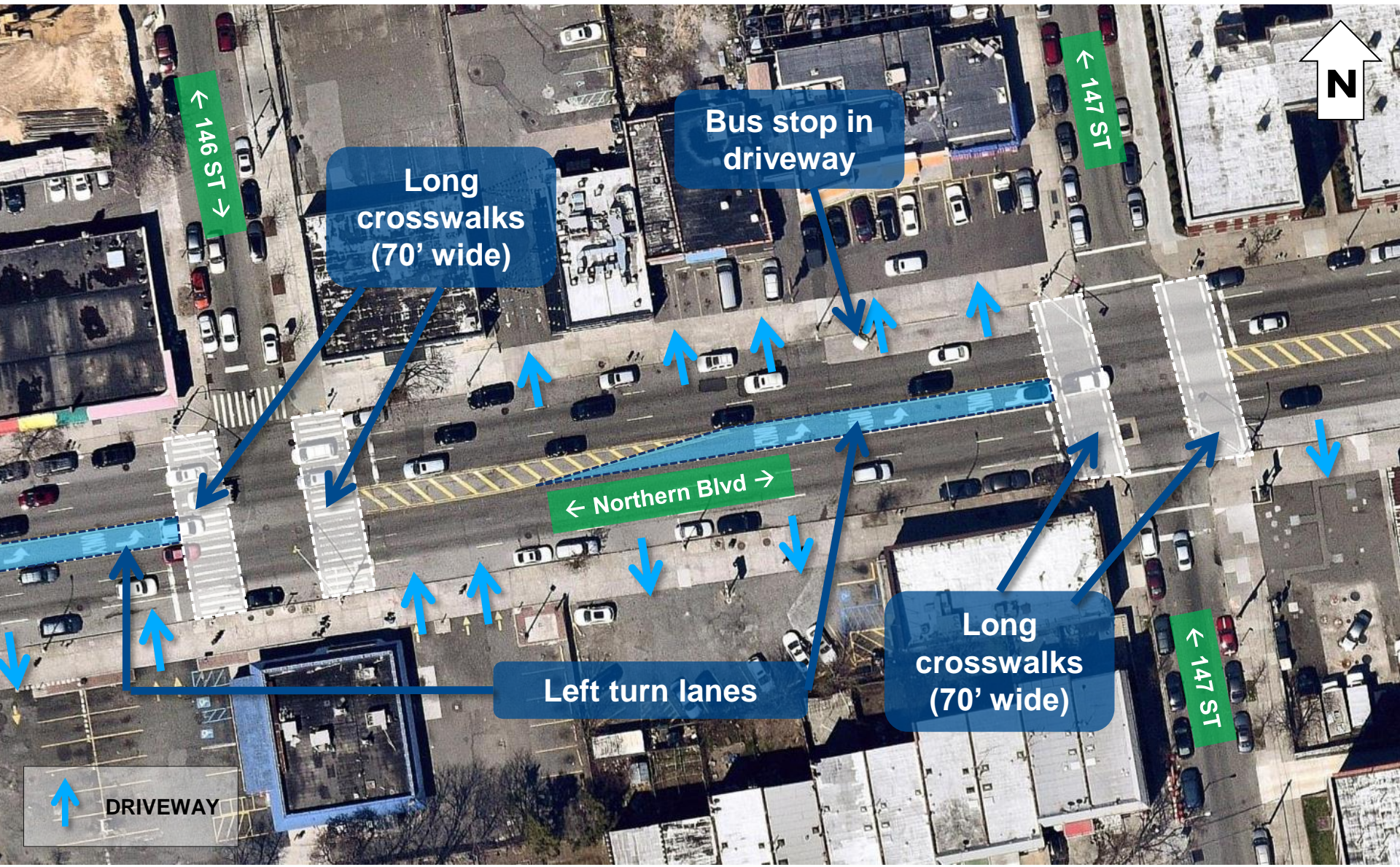
Source: Fatalities: NYCDOT
Injuries: NYSDOT
KSI: Persons Killed or Severely Injured



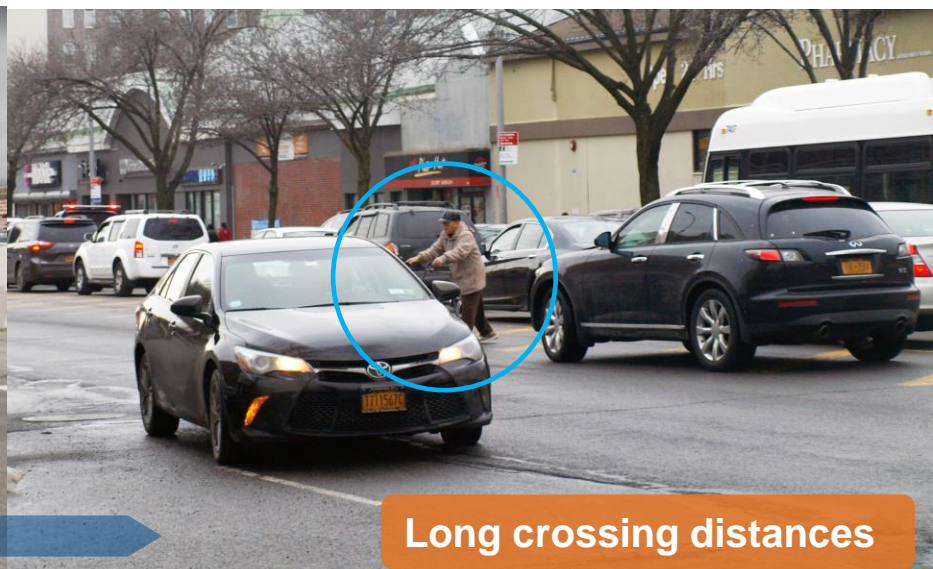
EXISTING CONDITIONS & PROPOSALS

2

**EXISTING CONDITIONS:
NORTHERN BOULEVARD AND 146 ST**



EXISTING CONDITIONS: NORTHERN BOULEVARD AND 146 ST



EXISTING CONDITIONS: NORTHERN BOULEVARD AND 147 ST



Northern Boulevard and 147 St, facing west



Wide vehicle turns

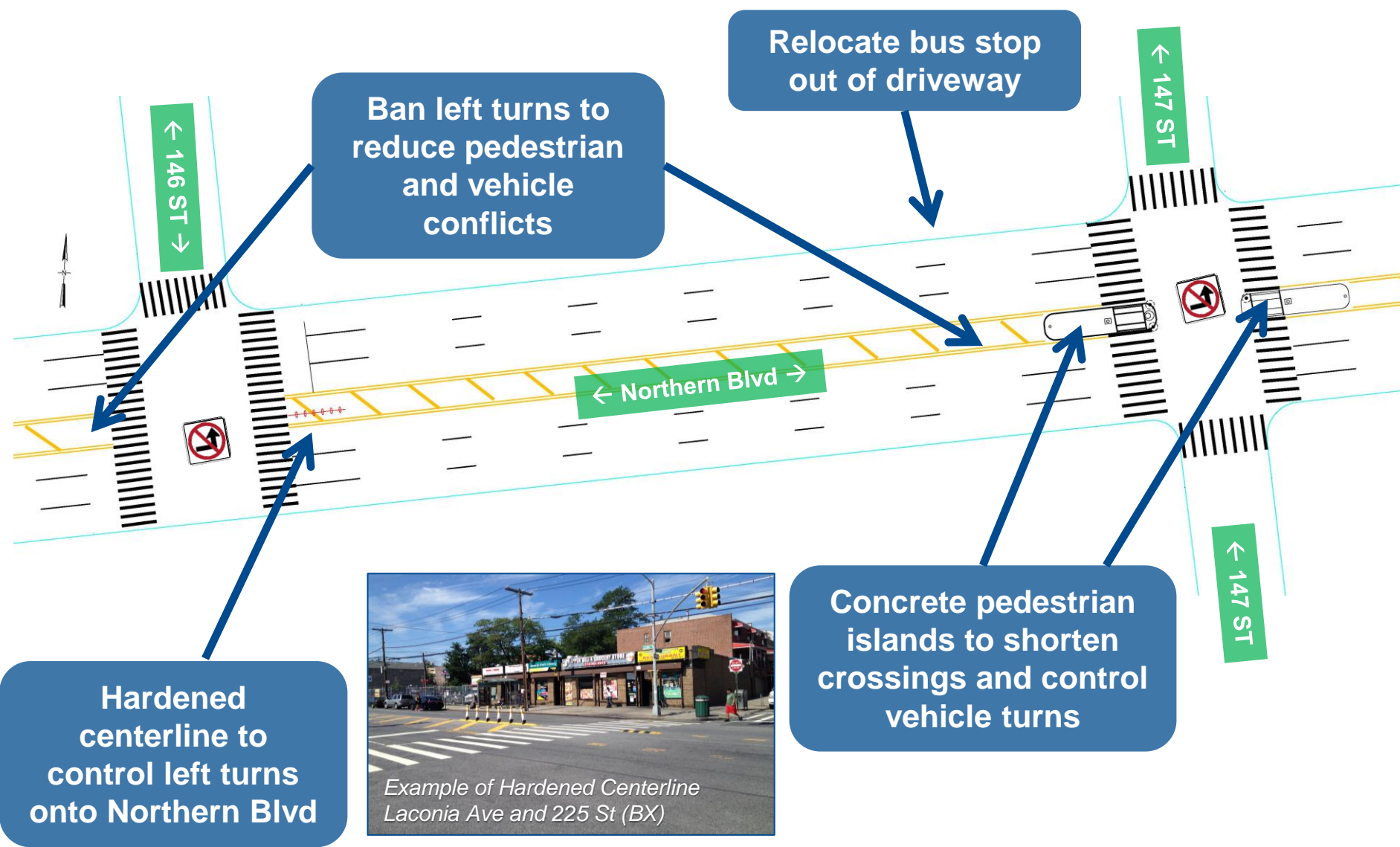


Northern Boulevard and 147 St, facing east



Long crossing distances

PROPOSED SAFETY IMPROVEMENTS: NORTHERN BOULEVARD AT 146 ST AND 147 ST



PROPOSAL DETAIL: RELOCATE BUS STOP NORTHERN BOULEVARD AT 146 ST AND 147 ST

- Shift bus stop for Q13 & Q28 from driveway to the sidewalk at 146 St
- Provides safer curbside access
- Removes conflicts with passengers and drivers in parking lot driveway
- Bus stop replaces four parking spaces

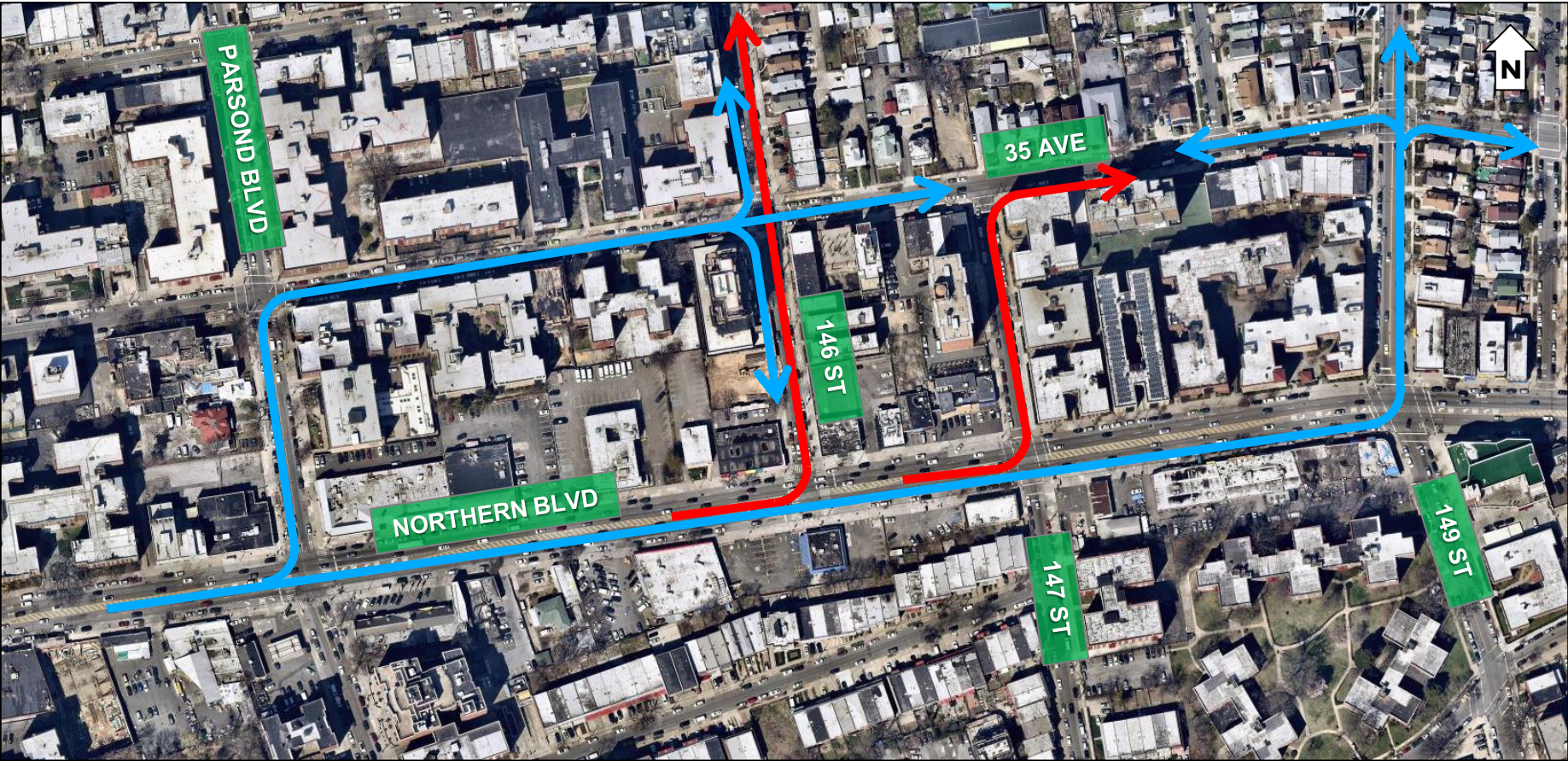




PROPOSED CONCRETE PEDESTRIAN REFUGE ISLANDS: NORTHERN BOULEVARD AND 147 ST



*Example:
Northern Blvd and 103 St. (QN)*

**PROPOSED LEFT TURN BANS FOR ALL VEHICLES:
NORTHERN BOULEVARD AT 146 ST AND 147 ST**

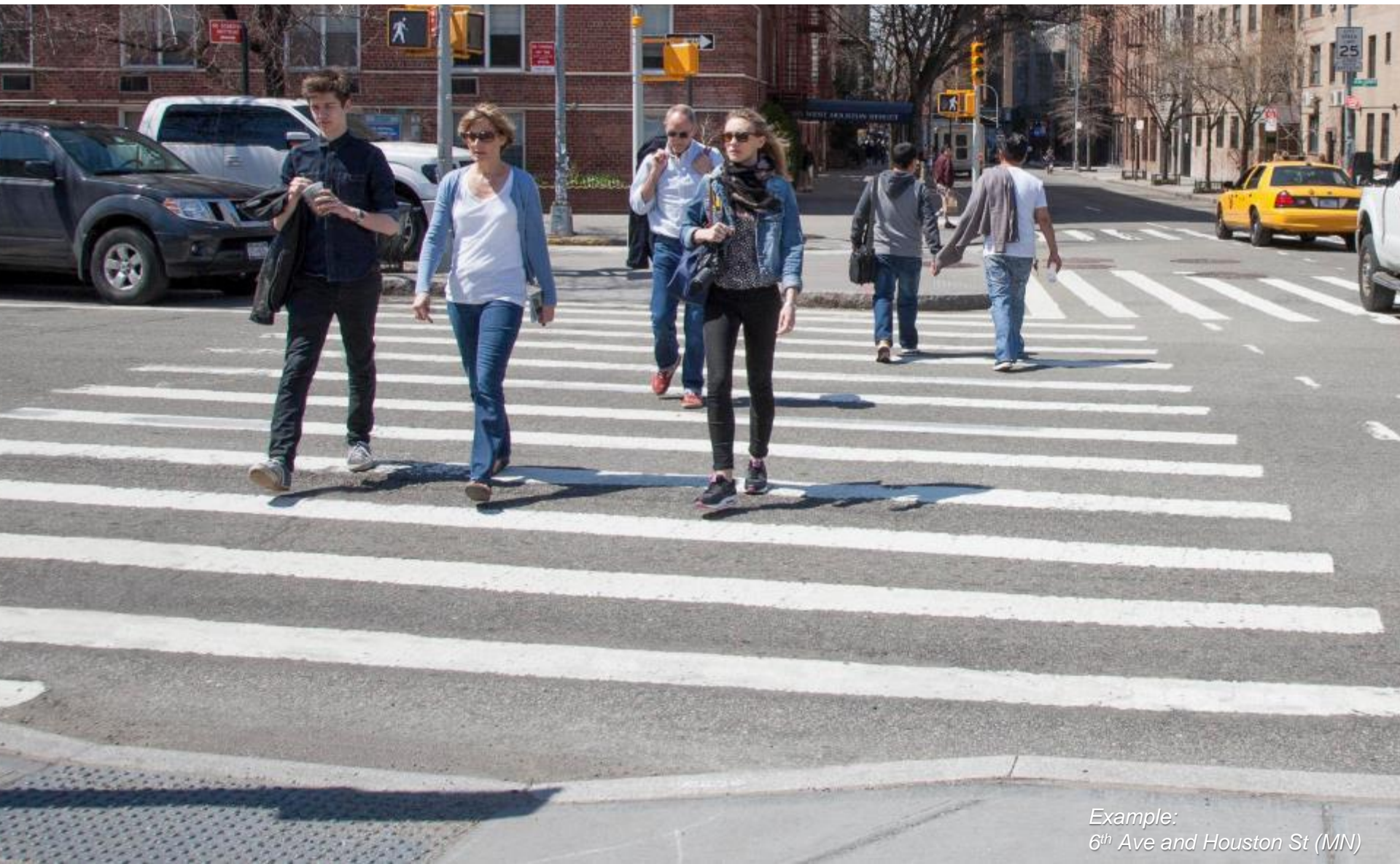


-  Banned turn
-  Diversion route

**EXISTING CONDITIONS:
147 ST AND 37 AVE**



PROPOSED HIGH VISIBILITY CROSSWALK: 147 ST AND 37 AVE



*Example:
6th Ave and Houston St (MN)*

SUMMARY OF PROPOSALS

Northern Blvd: 146 St – 147 St

1. Northern Blvd and 146 St:

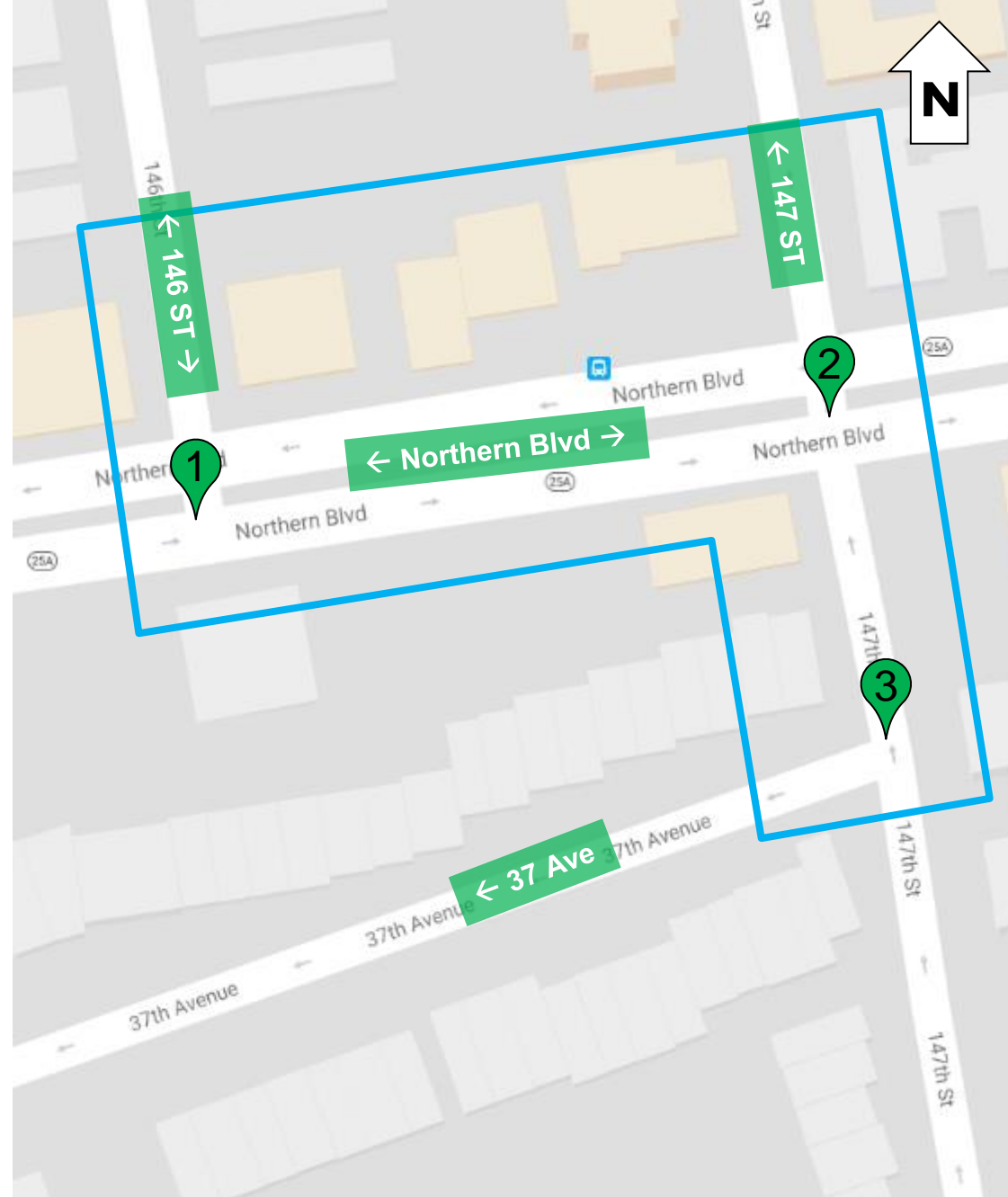
- Left turn ban from eastbound Northern Blvd onto northbound 146 St to reduce pedestrian and vehicle conflict
- Add hardened centerline in flush median in east leg to control vehicle turns

2. Northern Blvd and 147 St:

- Add concrete pedestrian refuge island in east and west legs of intersection
- Left turn ban from eastbound Northern Blvd onto NB 147 St to reduce pedestrian and vehicle conflict
- Relocate Q13/Q28 bus stop out of driveway to sidewalk at 146 St

3. 147 St and 37 Ave:

- Mark high visibility crosswalk



THANK YOU!

Questions?

Contact: NYCDOT Queens Borough Commissioner's Office – (212) 839-2510



NYC DOT



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