

Northern Blvd – Honeywell to Broadway

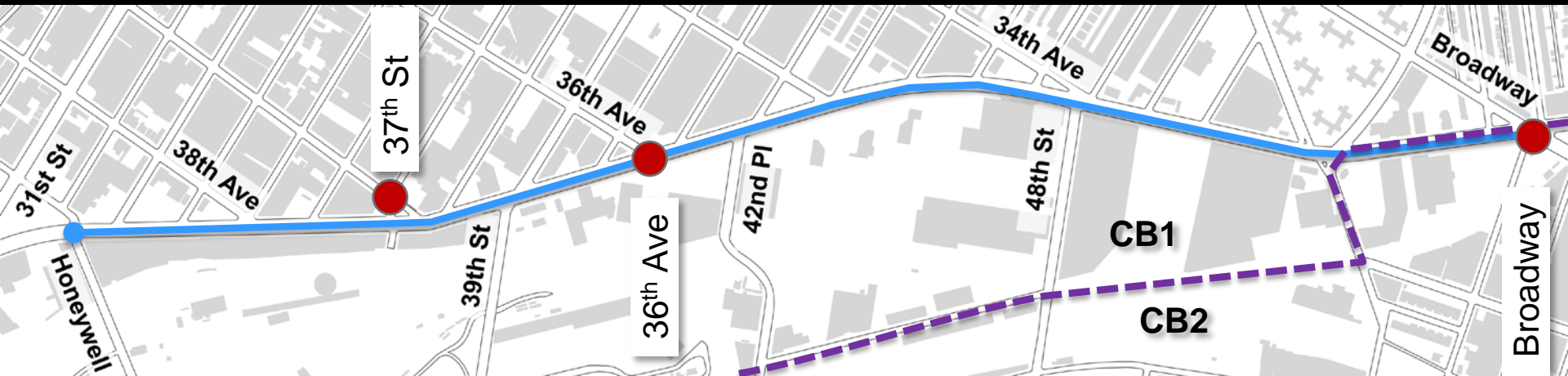
Corridor Safety Improvements

2016



Background

- Request from Council Member Van Bramer for safety improvements at the intersection of Northern and Broadway
- Additional request from Council Member Van Bramer for improvements at 41st St/36th Ave/Northern Blvd
- Request from community member for improvements at the intersection of 37th St/37th Ave/Northern Blvd
- Meeting with CB 1 Transportation Committee in January



Safety Data

- Northern Blvd is a Vision Zero Priority Corridor
- 22 KSI (Killed or Severely Injured) in the project area

Northern Blvd - Honeywell St to Broadway, QN

Injury Summary, 2010-2014 (5 Years)

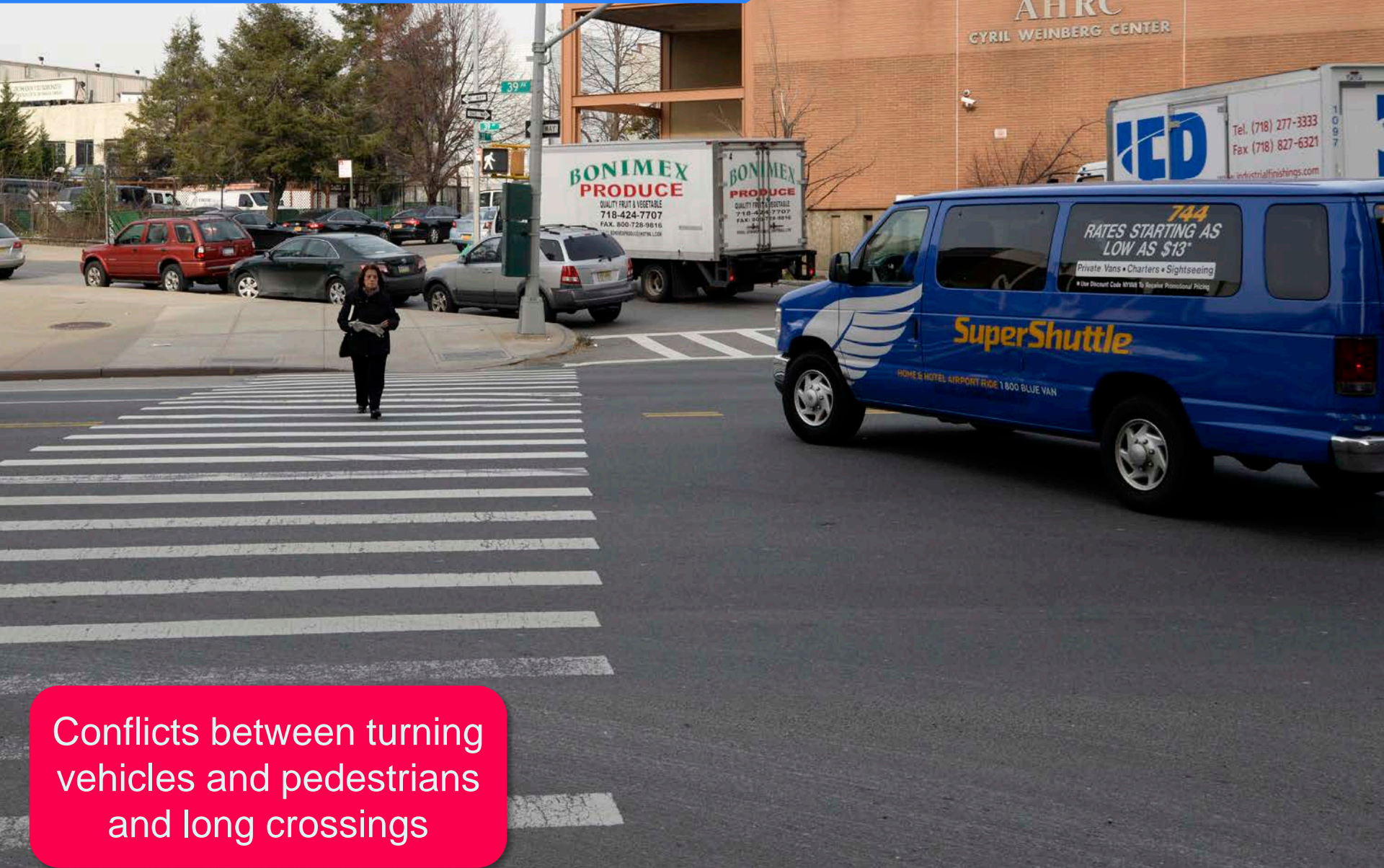
	Total Injuries	Severe Injuries	Fatalities	KSI
Pedestrian	43	9	1	10
Bicyclist	21	3	0	3
Motor Vehicle Occupant	265	9	0	9
Total	329	21	1	22

Fatalities, 01/01/2010-3/14/2016 : 1

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



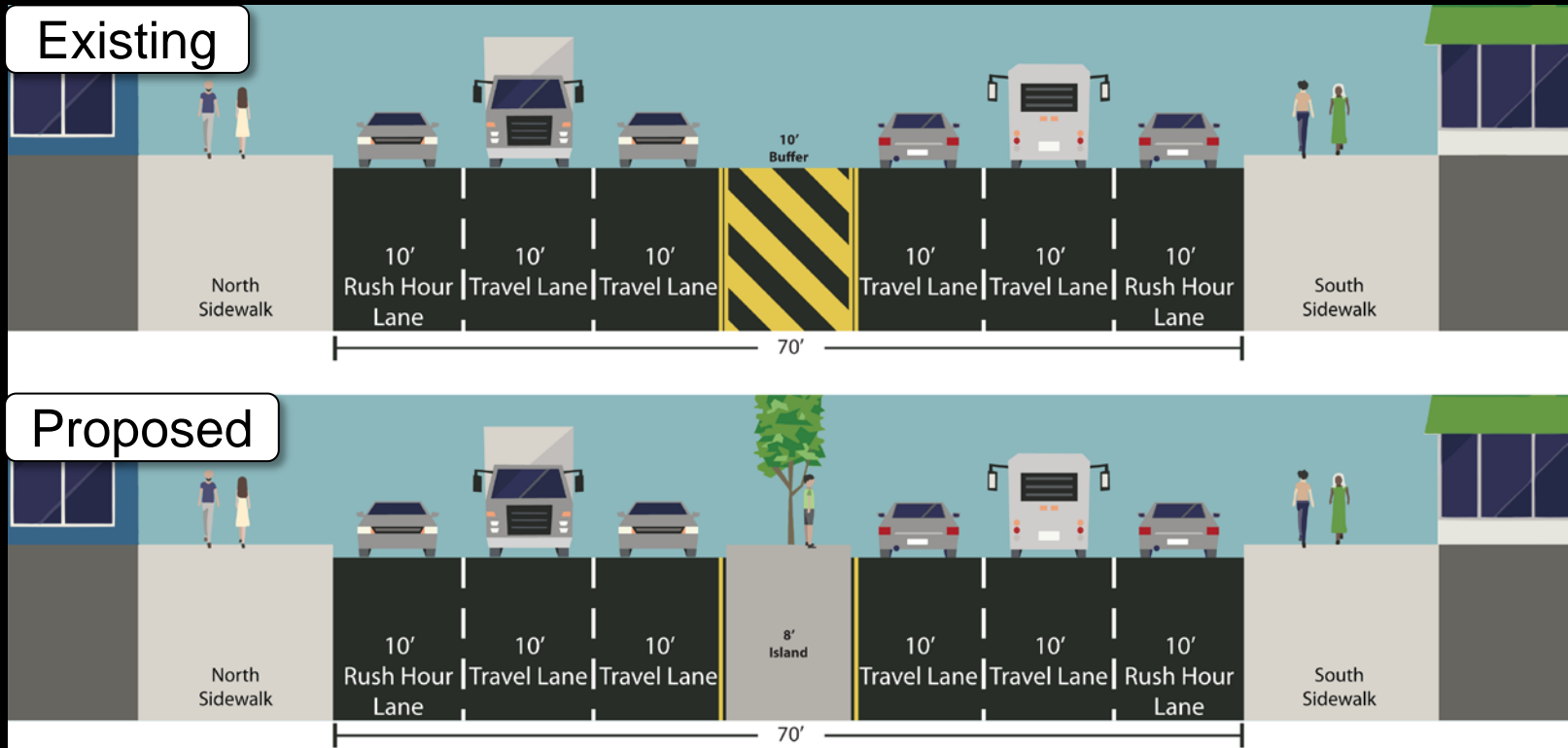
Primary Corridor Issue



Conflicts between turning vehicles and pedestrians and long crossings

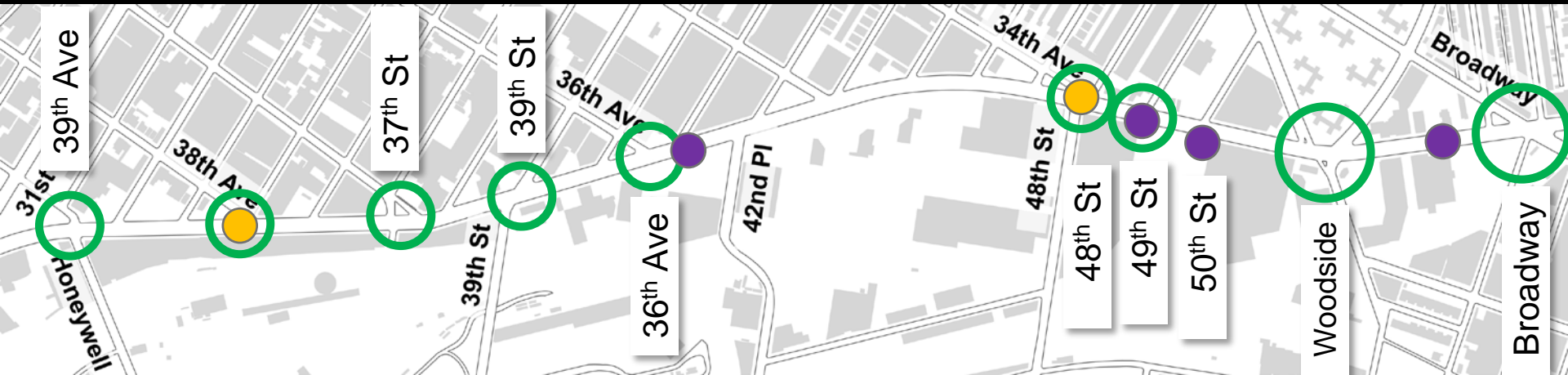
Proposal

- Construct 14 pedestrian safety islands

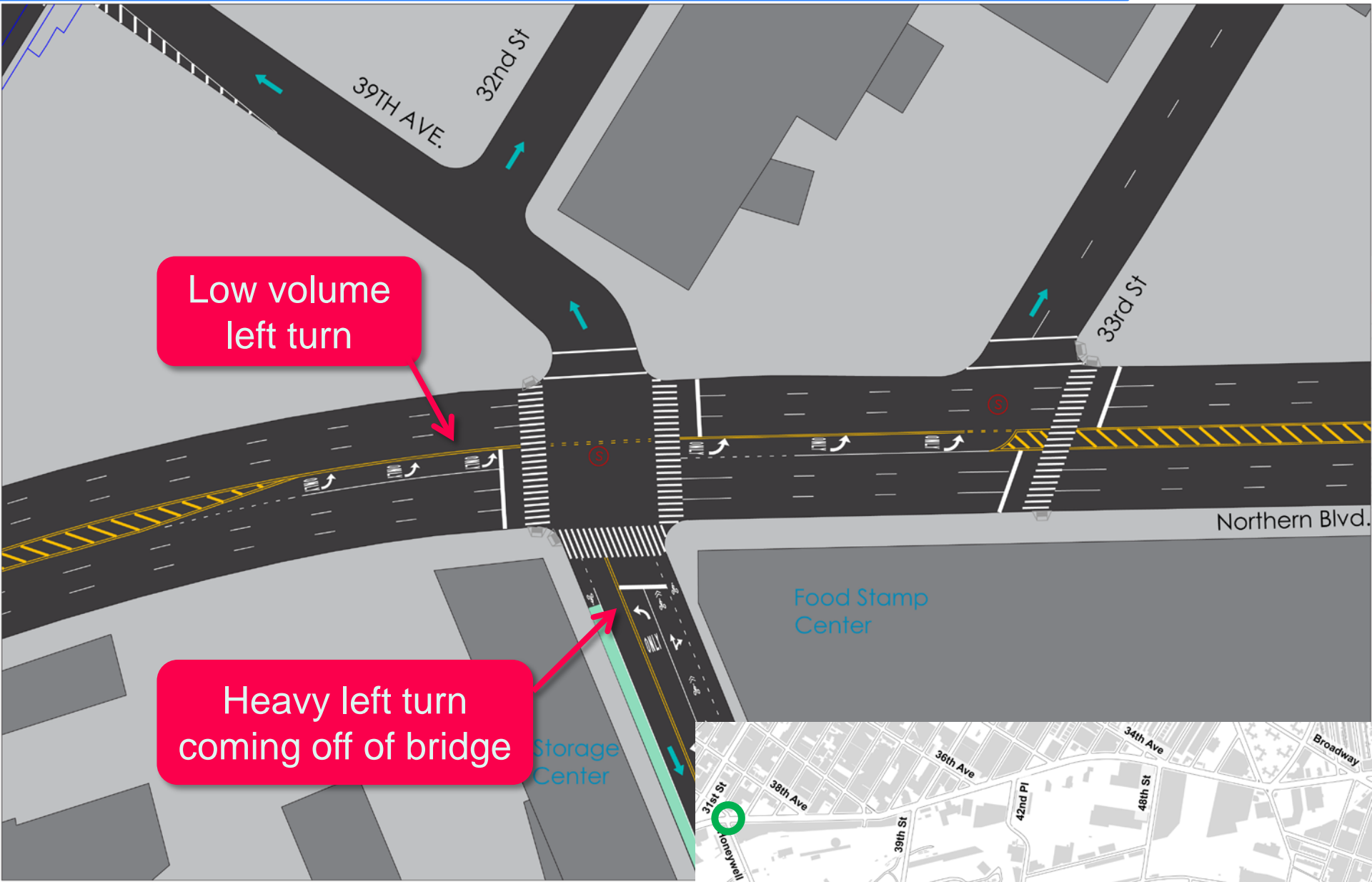


Proposal

- Improve operations at 8 locations
- Improve signal timing at 2 locations
- Investigating sidewalk treatment where driveways are signalized



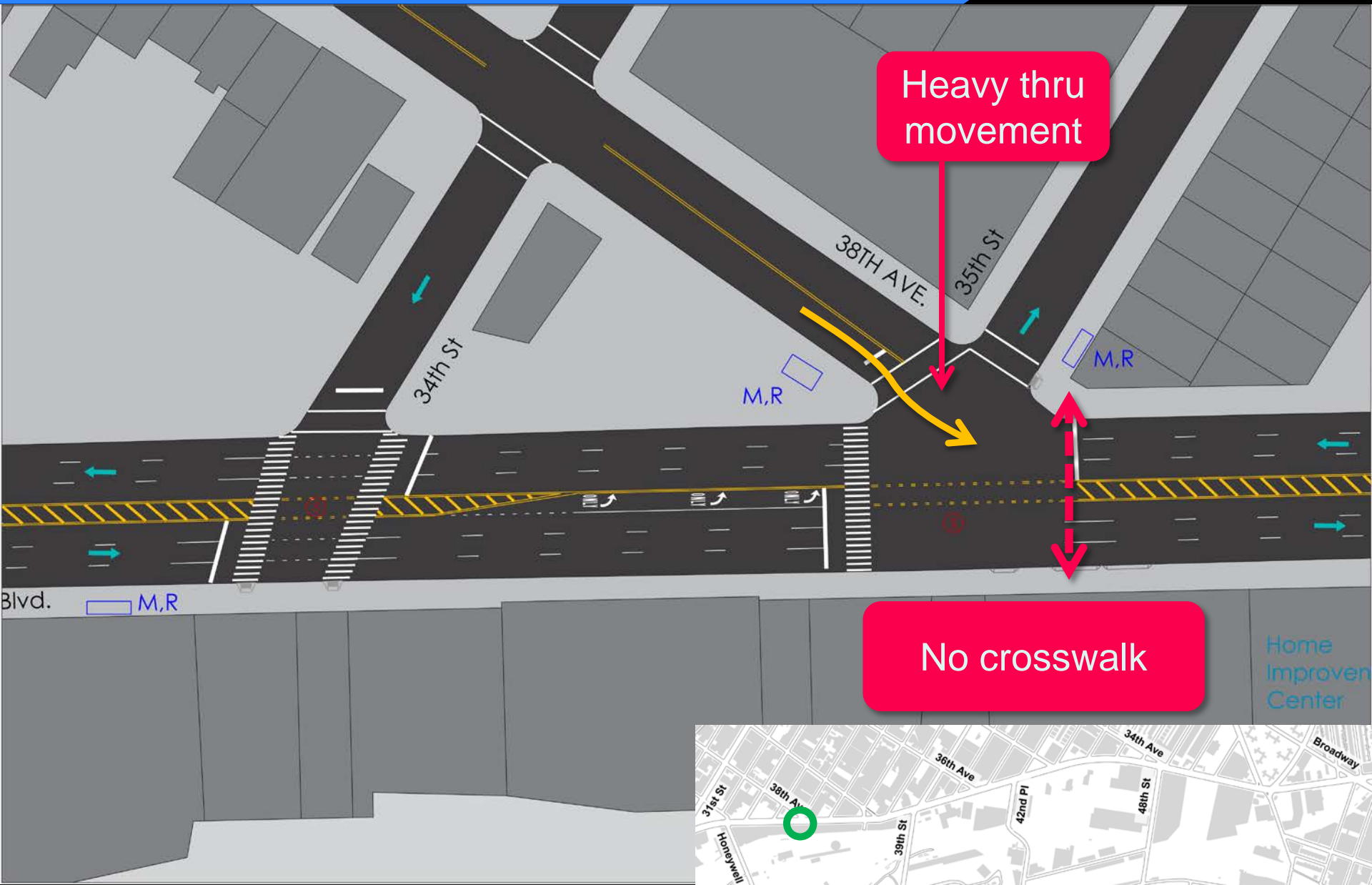
Existing Conditions – Honeywell St



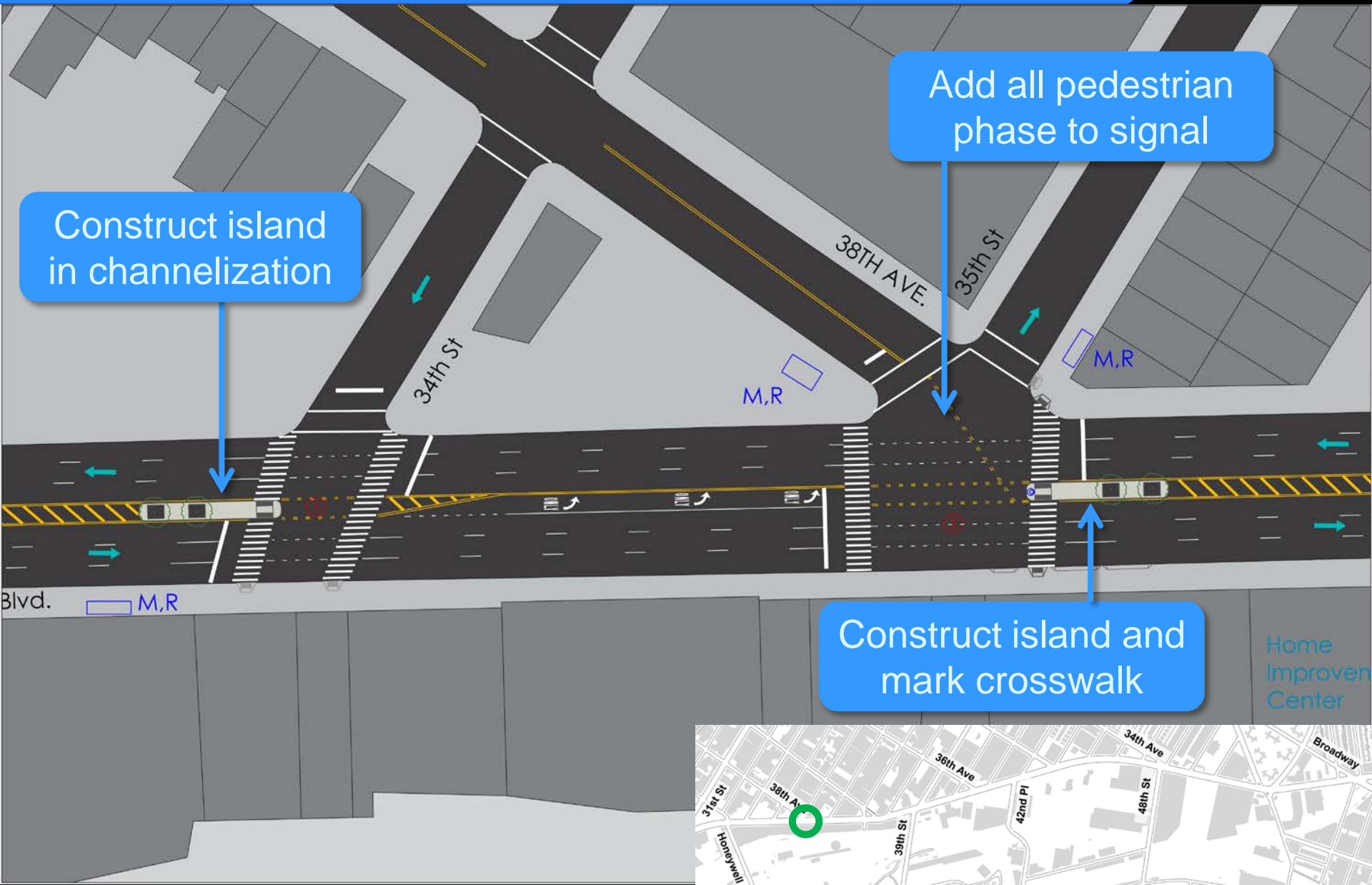
Proposed Conditions – Honeywell St



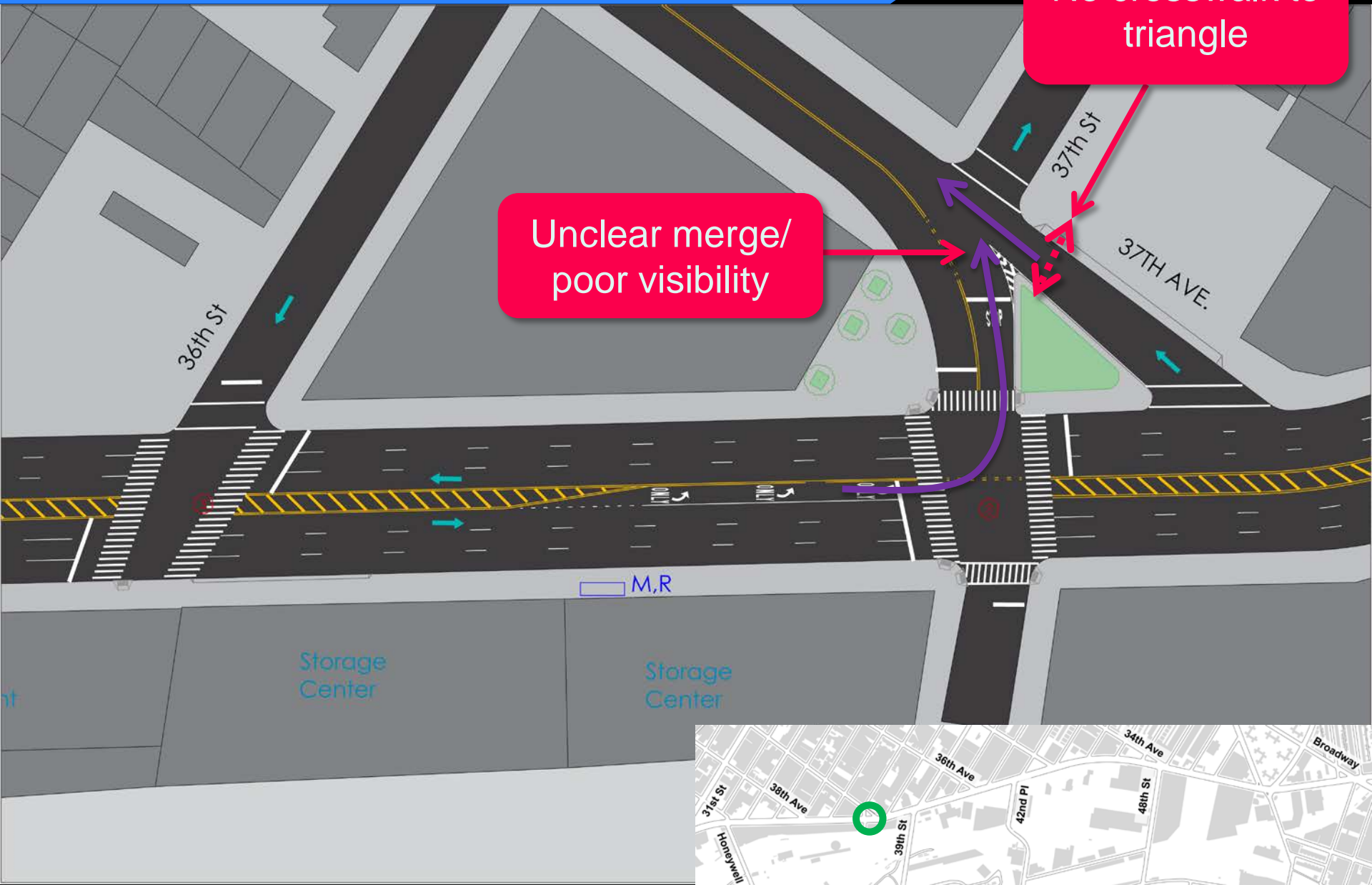
Existing Conditions – 35th St



Proposed Conditions – 35th St



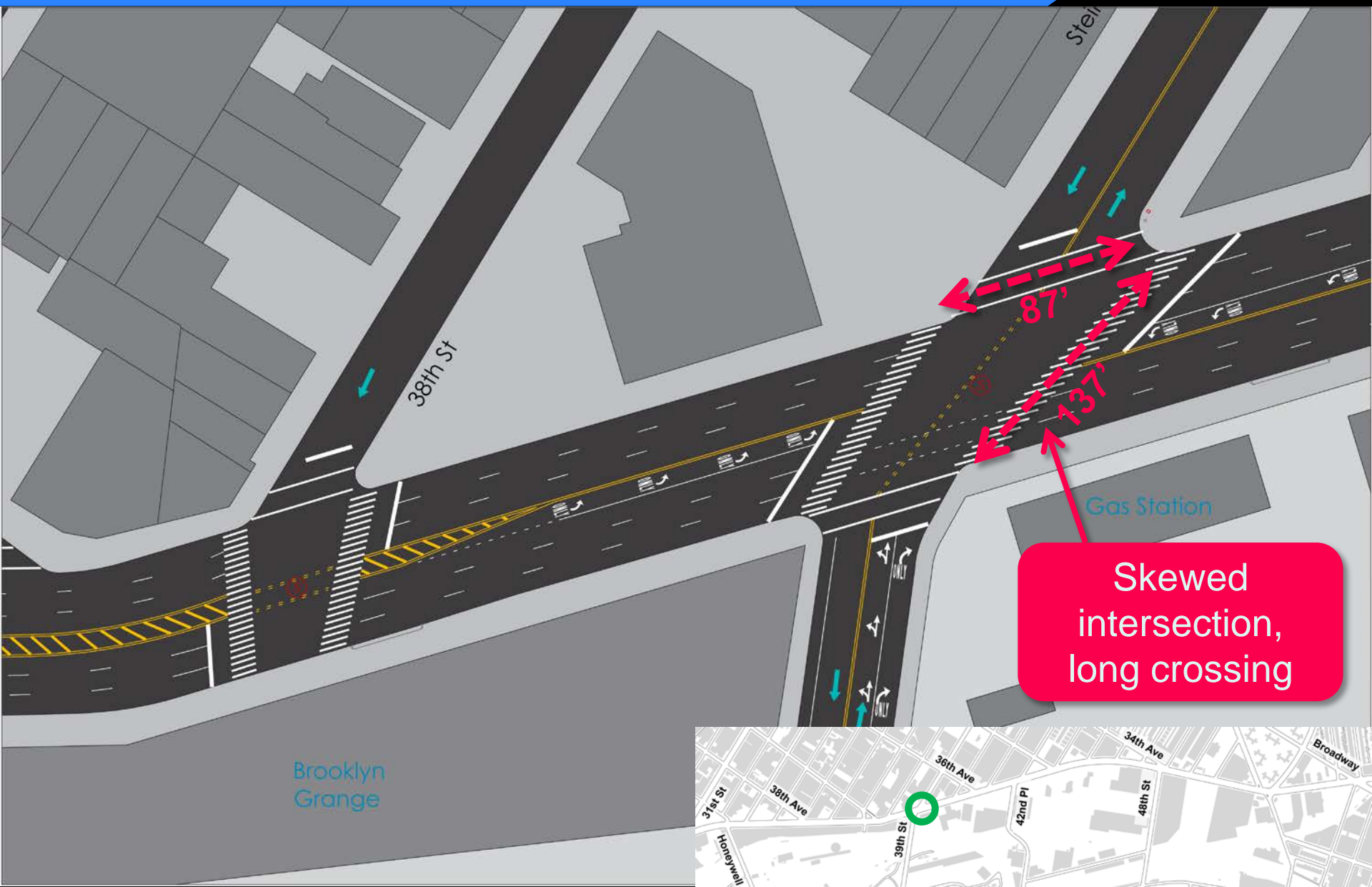
Existing Conditions – 37th St



Proposed Conditions – 37th St



Existing Conditions – Steinway St



Proposed Conditions – Steinway St

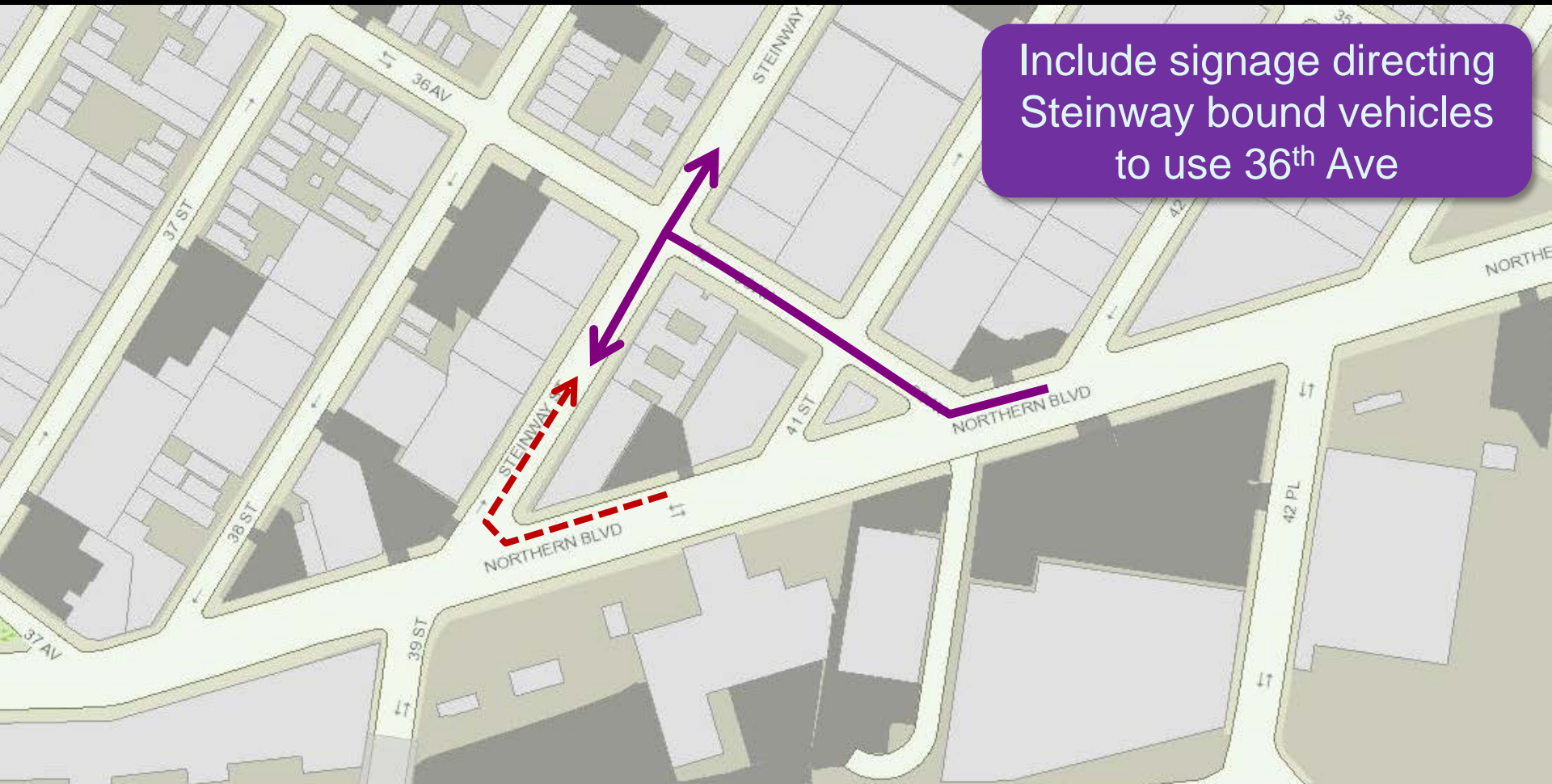
Vehicles affected by ban:
15 cars in AM peak
20 cars in PM peak
Alternate route using 36th Ave

Construct curb
extension
shortening
crosswalks, ban
right turn

Intersection is already a three
phase signal so there is not
enough time for a protected left
turn phase for Northern Blvd



Alternate Routes – Steinway St



Include signage directing Steinway bound vehicles to use 36th Ave

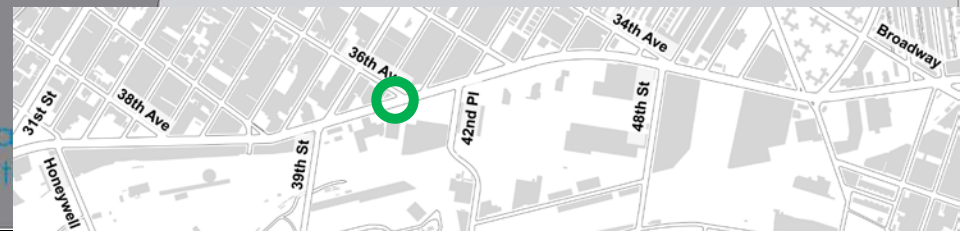
-----> Banned movements under proposal
-----> Alternate Route

Vehicles affected by ban:
15 cars in AM peak
20 cars in PM peak

Existing Conditions – 41st St

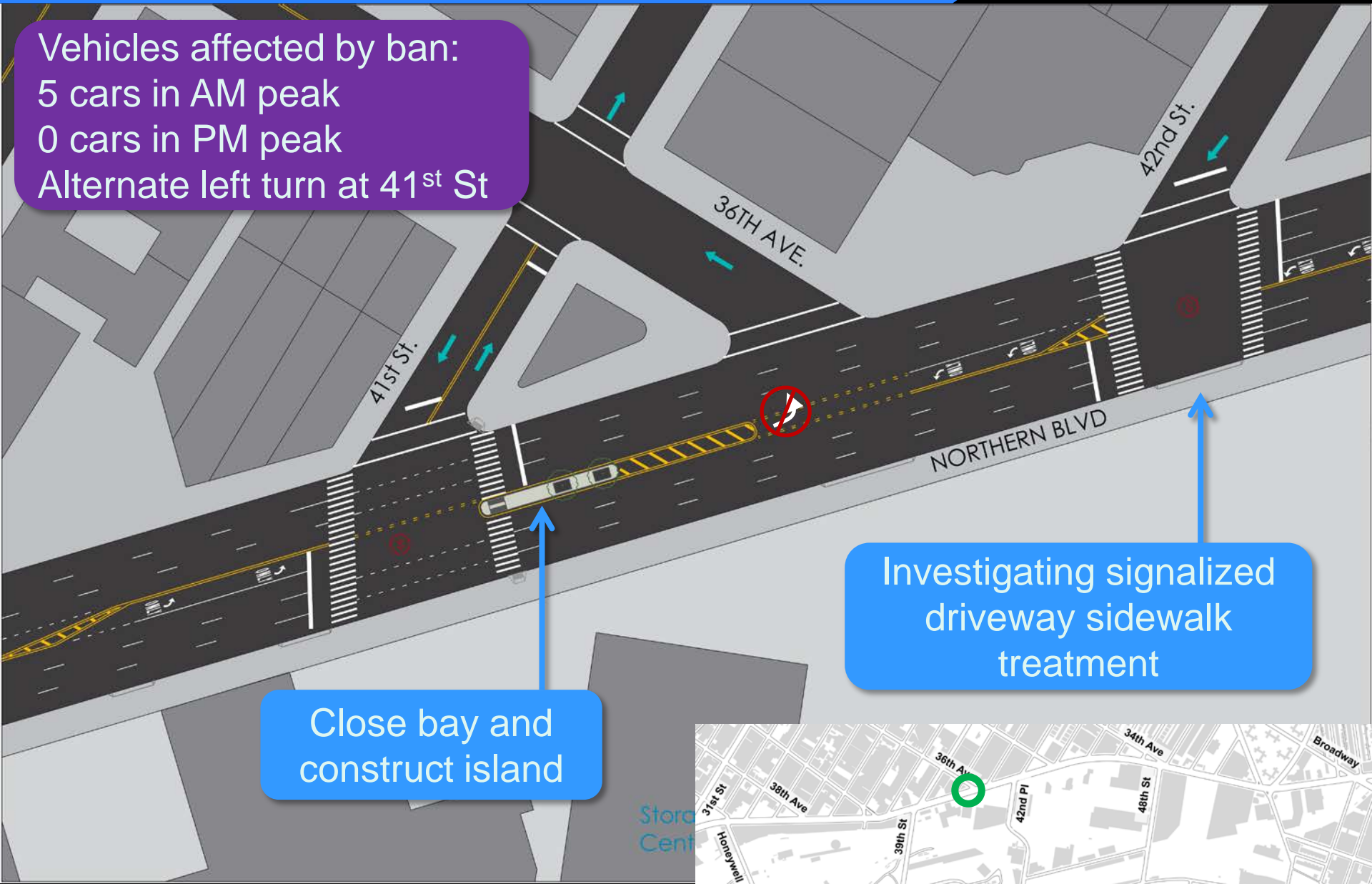
Sharp left turn
into crosswalk

Low volume left
turn with
redundant bay



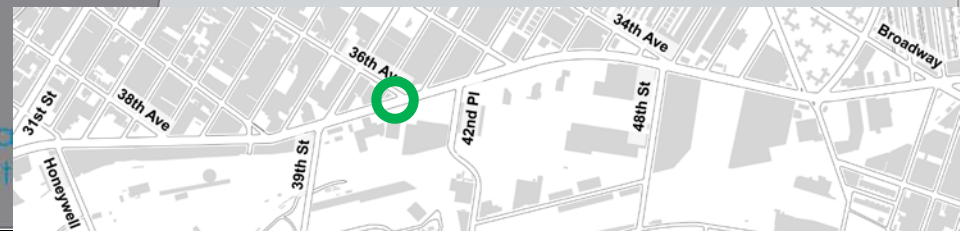
Proposed Conditions – 41st St

Vehicles affected by ban:
5 cars in AM peak
0 cars in PM peak
Alternate left turn at 41st St

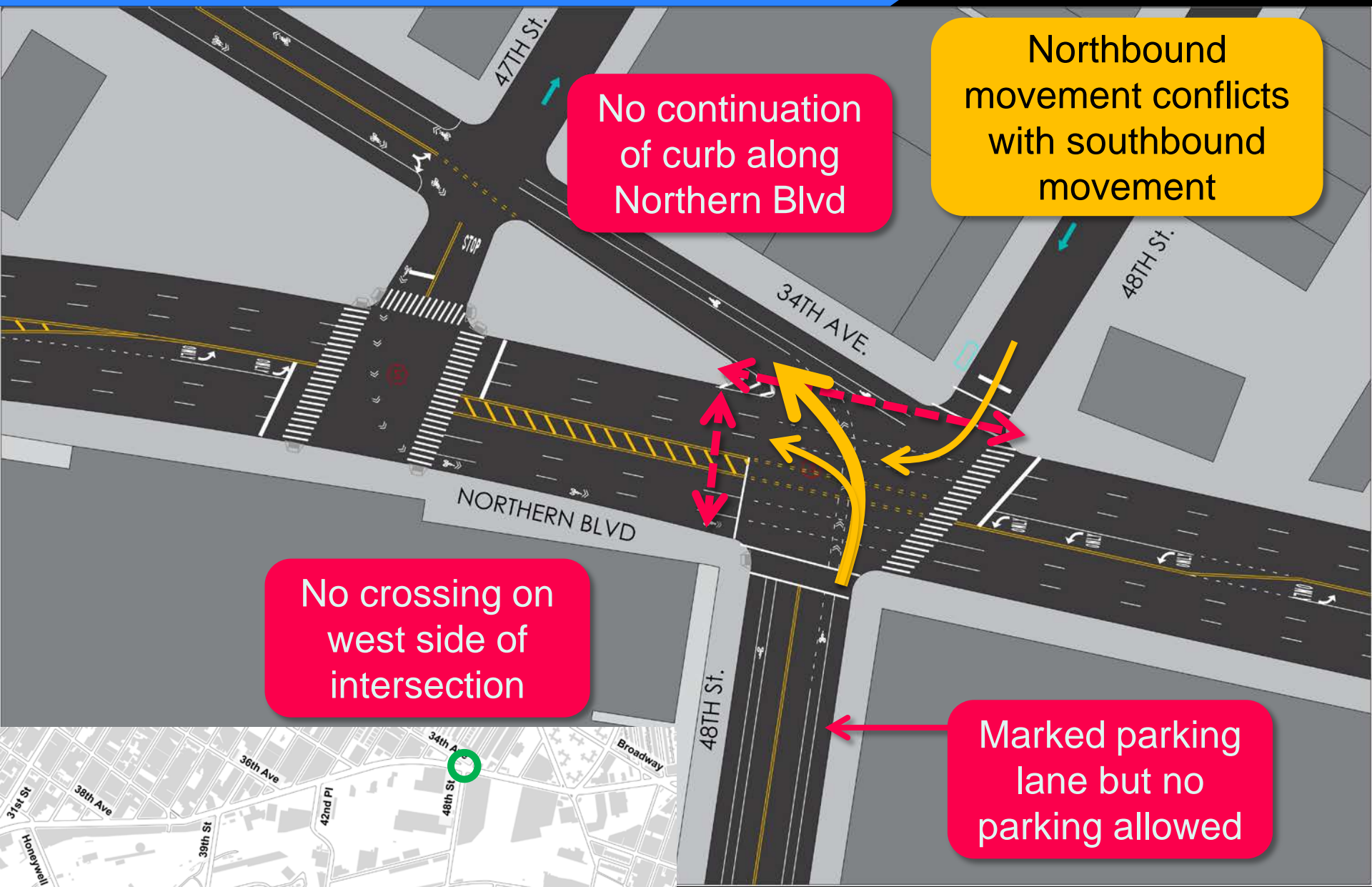


Close bay and
construct island

Investigating signalized
driveway sidewalk
treatment



Existing Conditions – 48th St



Proposed Conditions – 48th St



Reversal Proposal

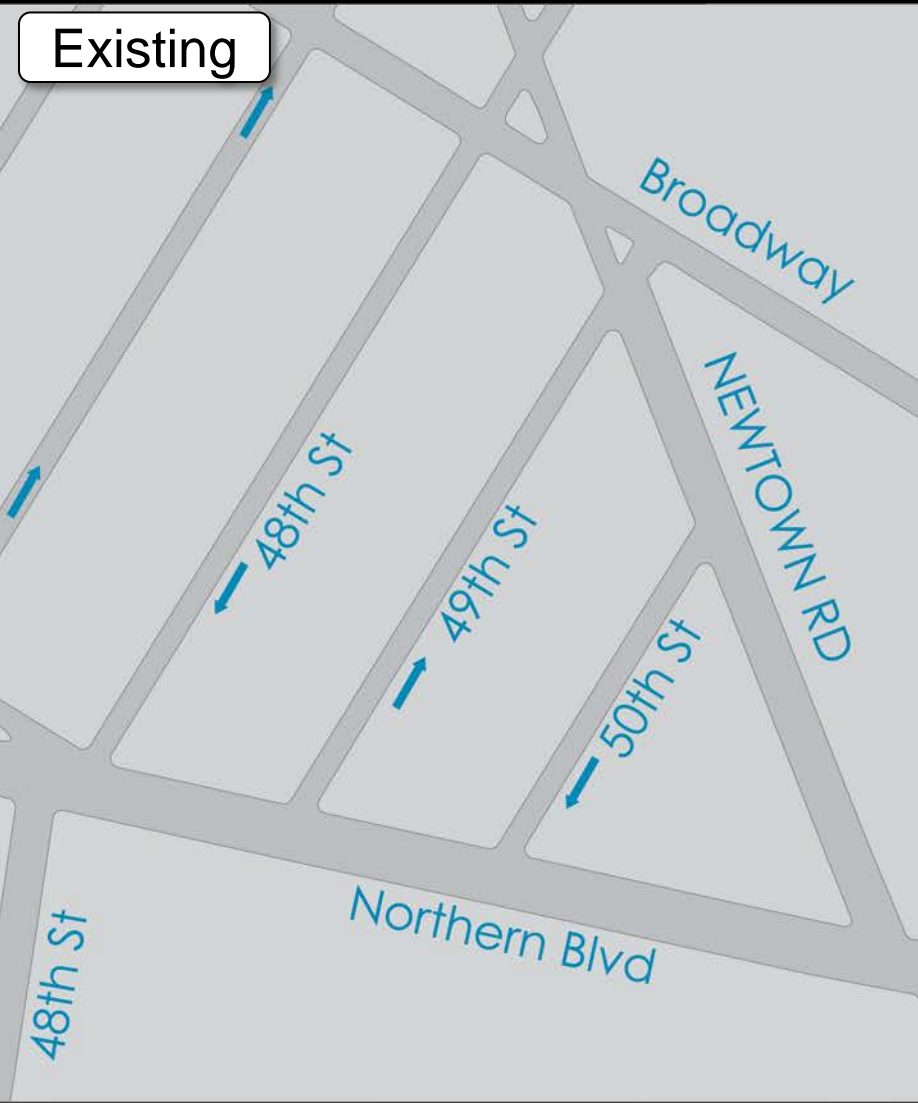


Proposed Street Direction

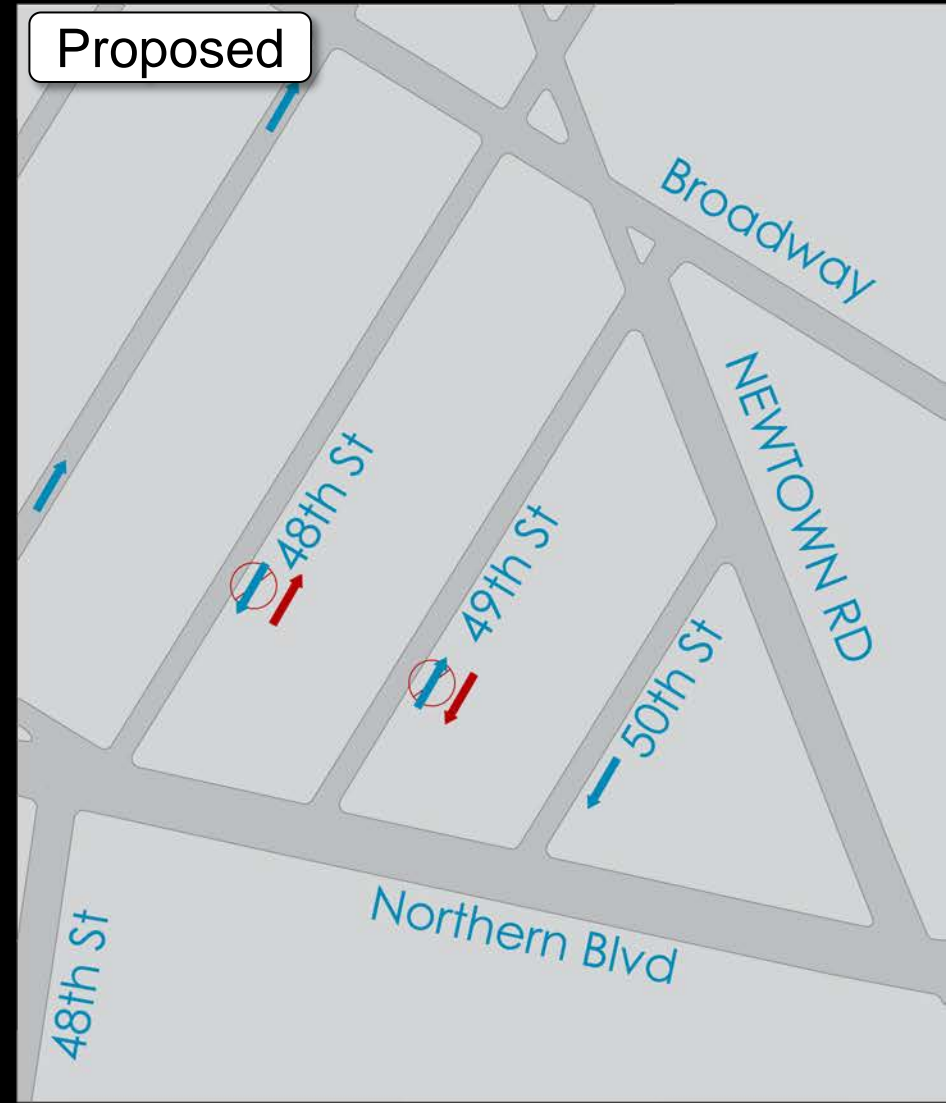


Existing Street Direction

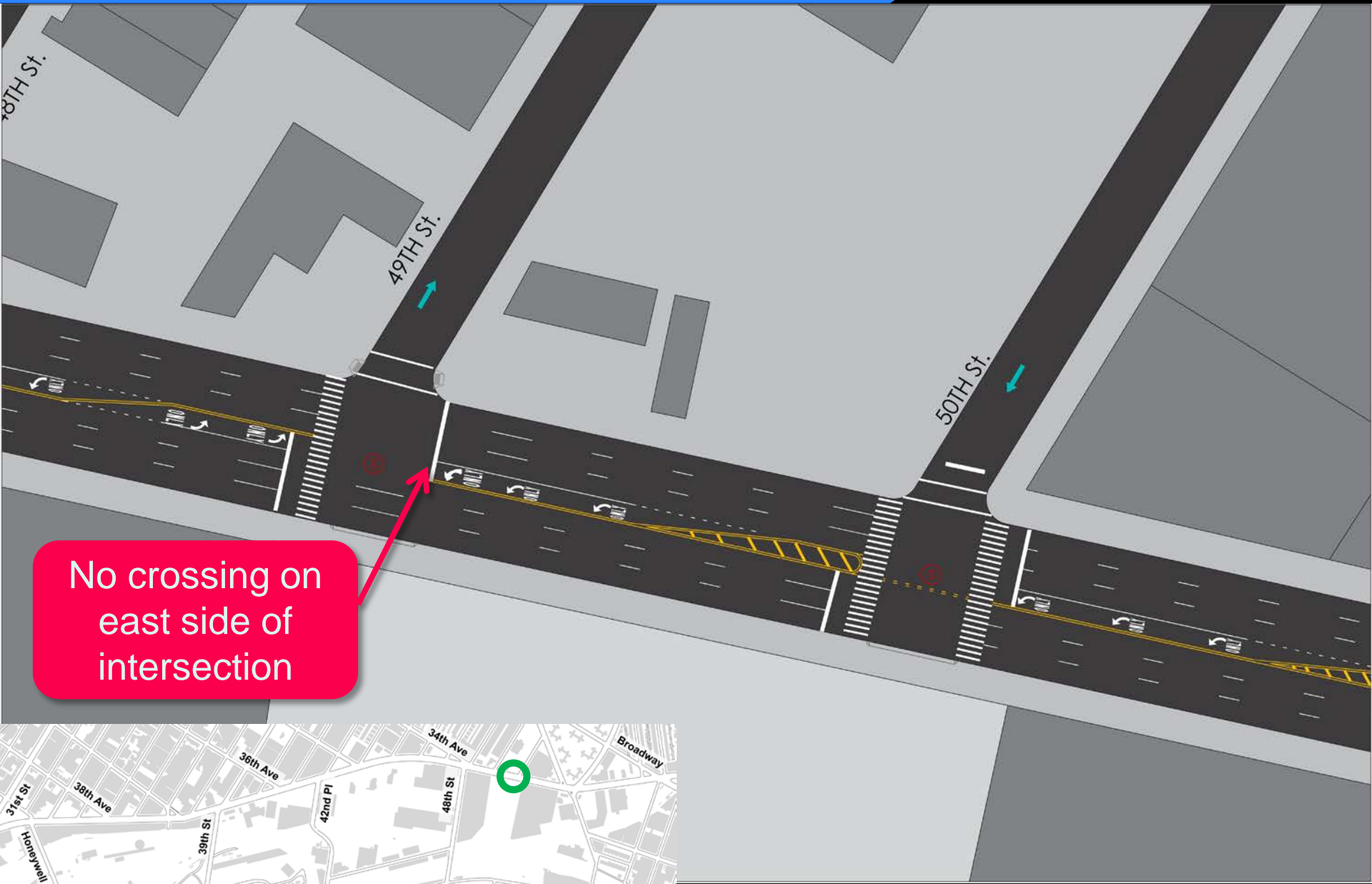
Existing



Proposed



Existing Conditions – 49th St



Proposed Conditions – 49th St

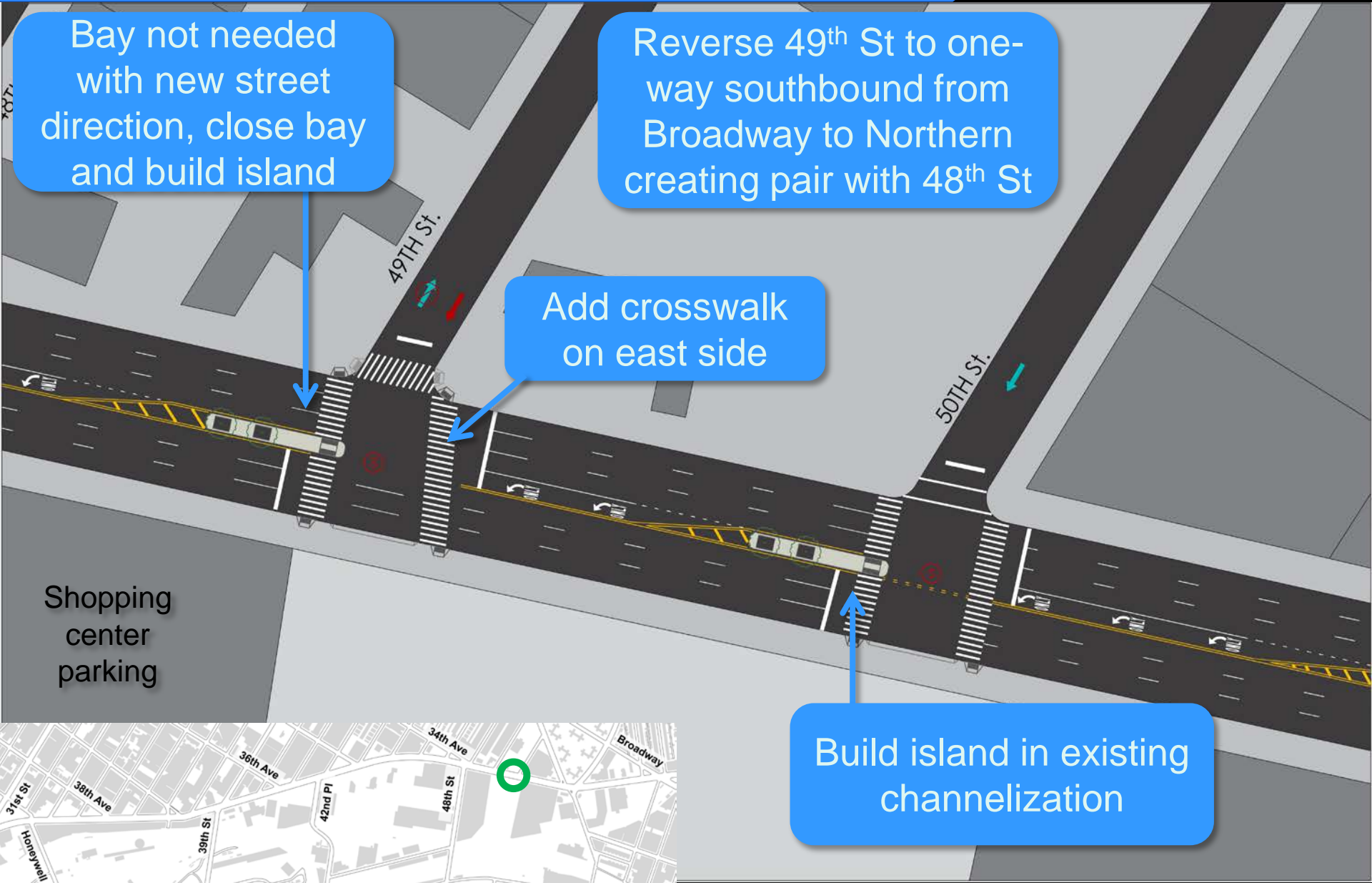
Bay not needed with new street direction, close bay and build island

Reverse 49th St to one-way southbound from Broadway to Northern creating pair with 48th St

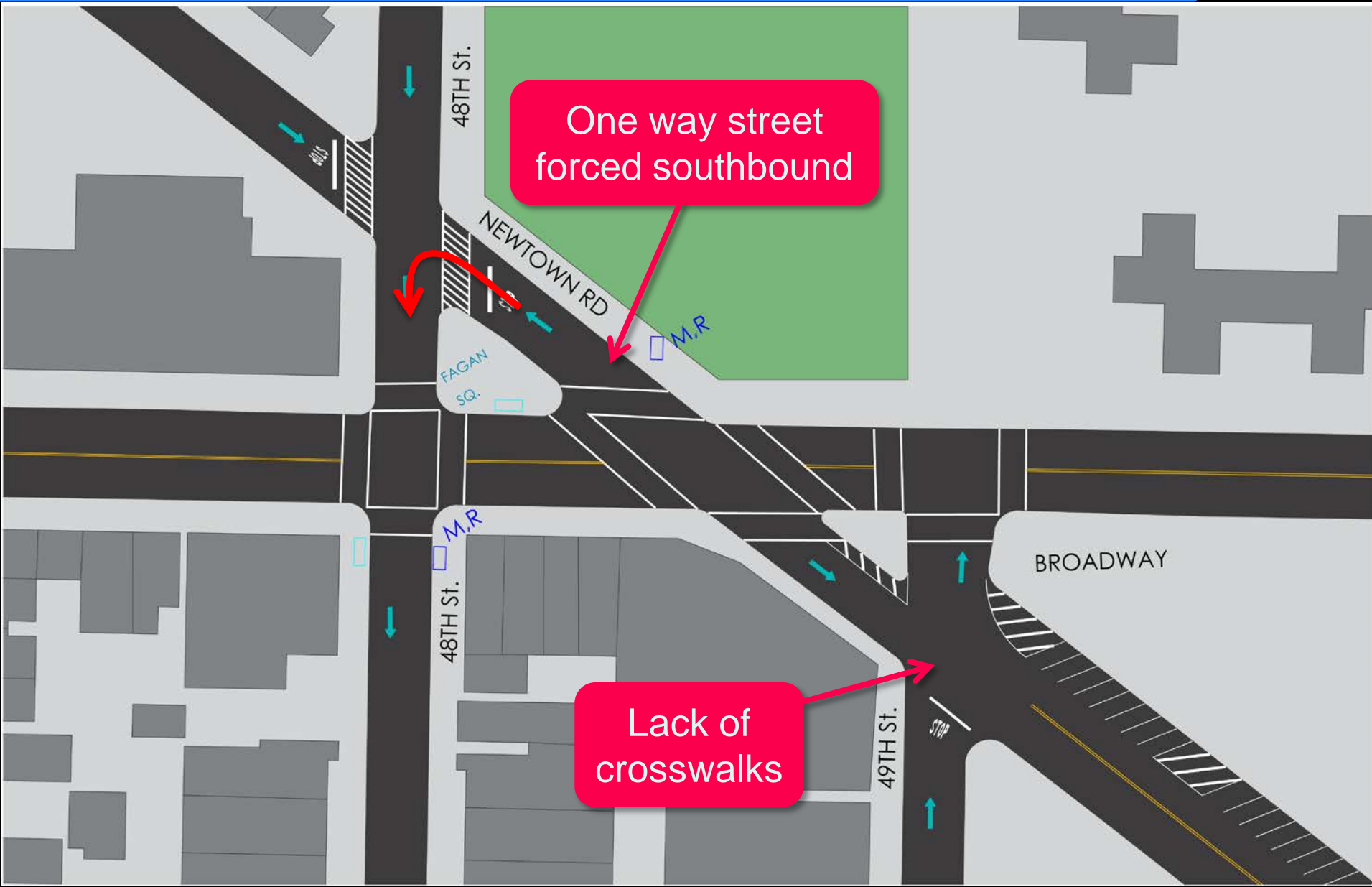
Add crosswalk on east side

Shopping center parking

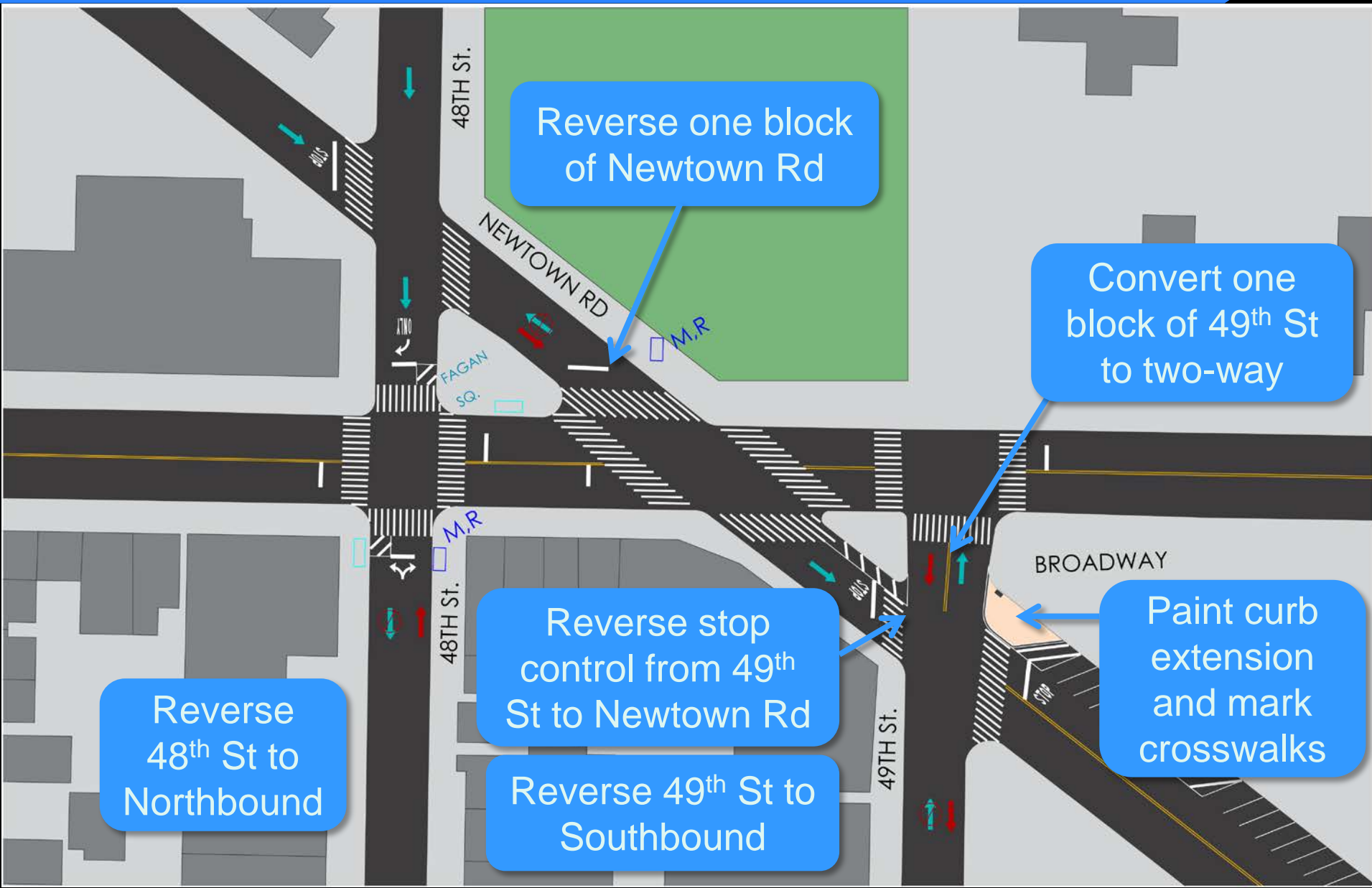
Build island in existing channelization



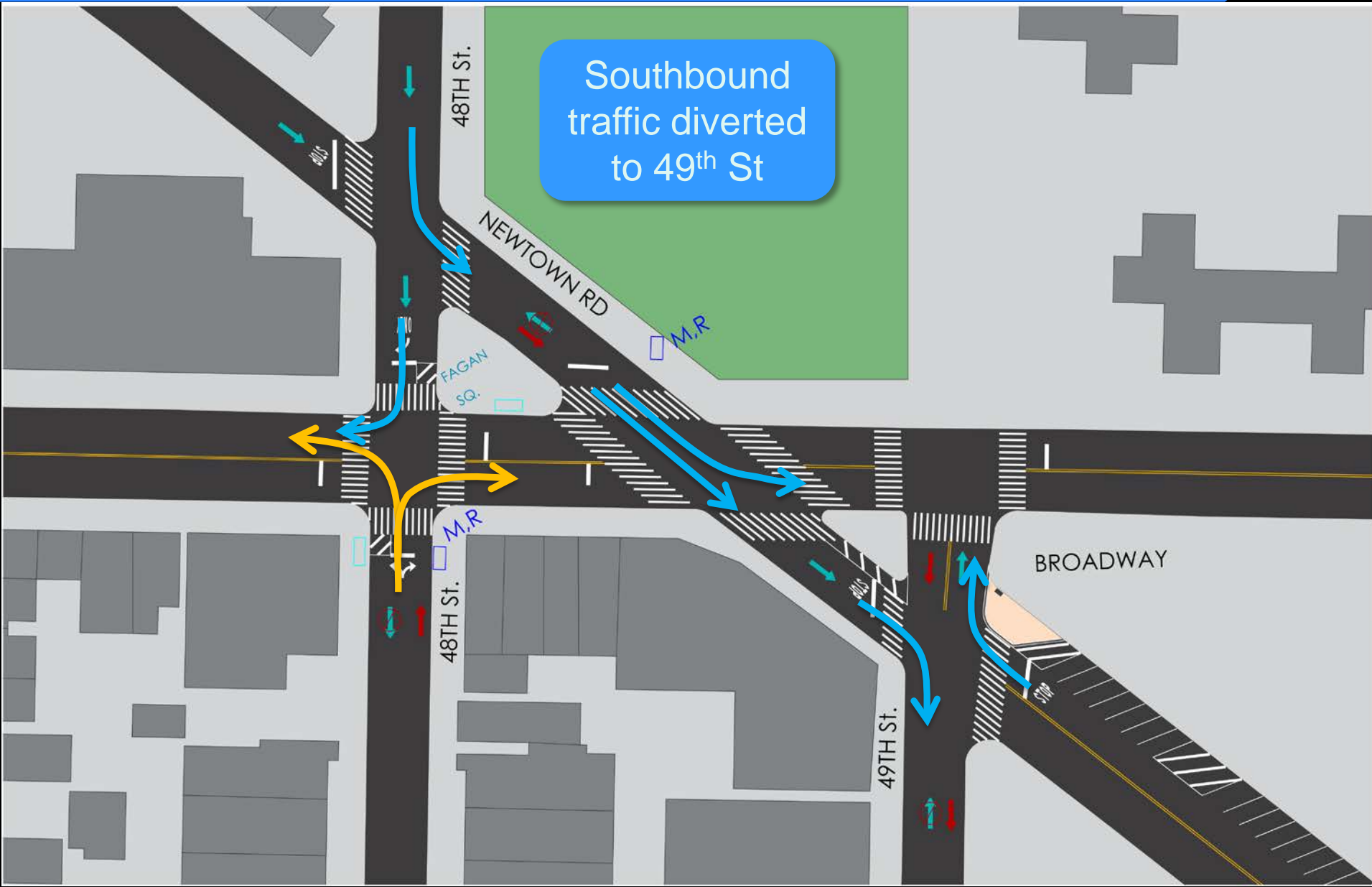
Existing Conditions – Broadway/Newtown



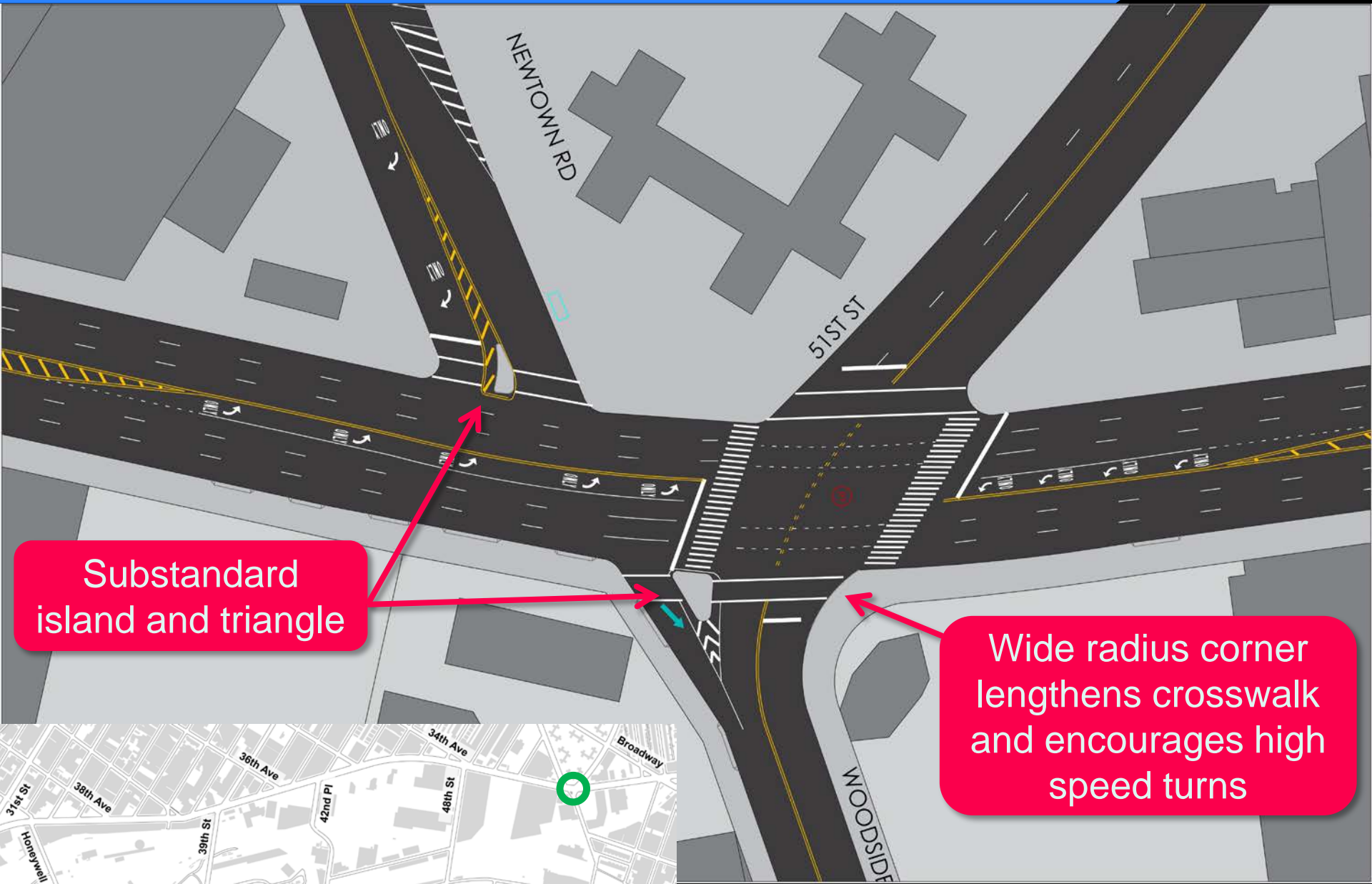
Proposed Conditions – Broadway/Newtown



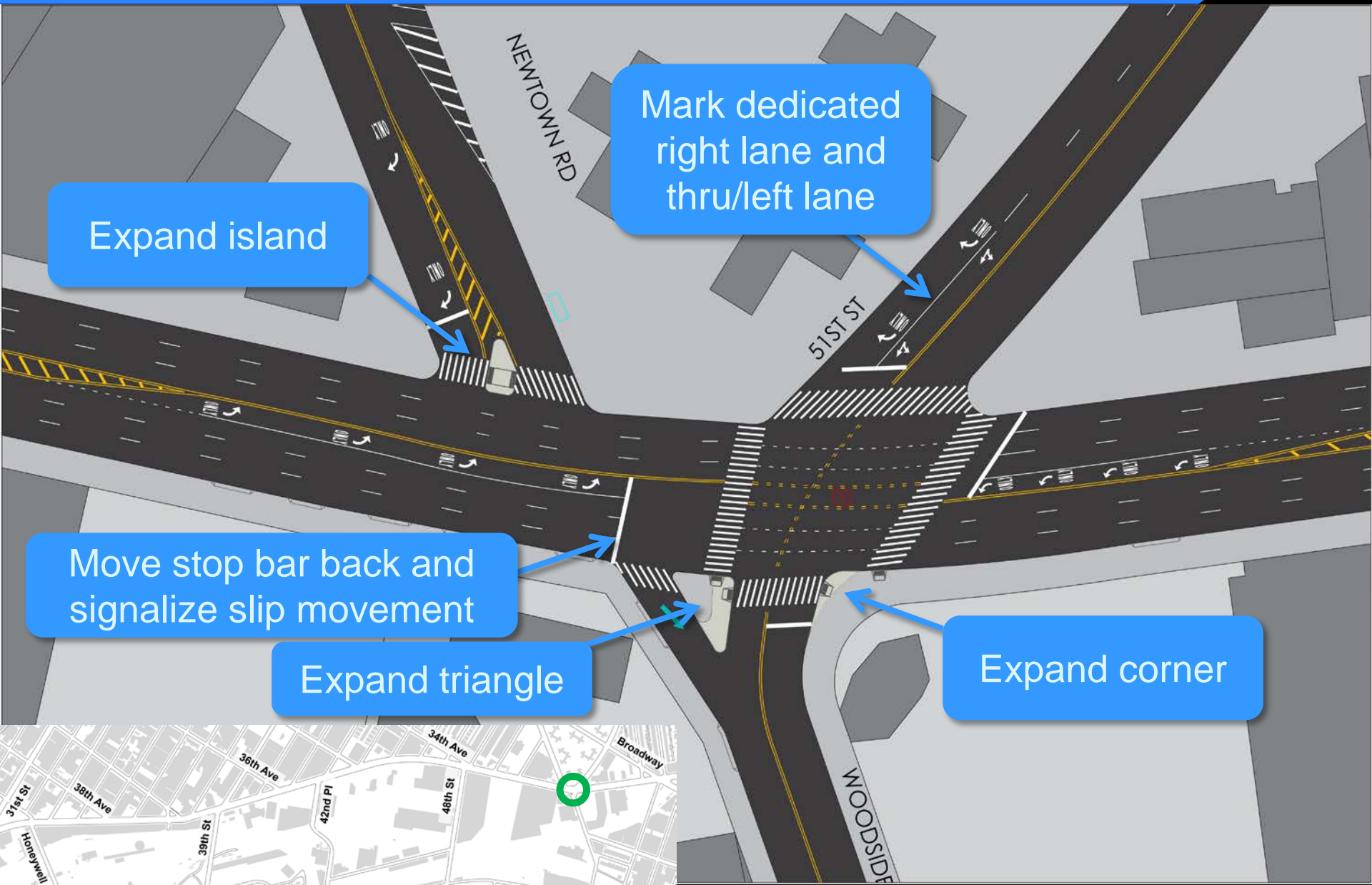
Proposed Conditions – Broadway/Newtown



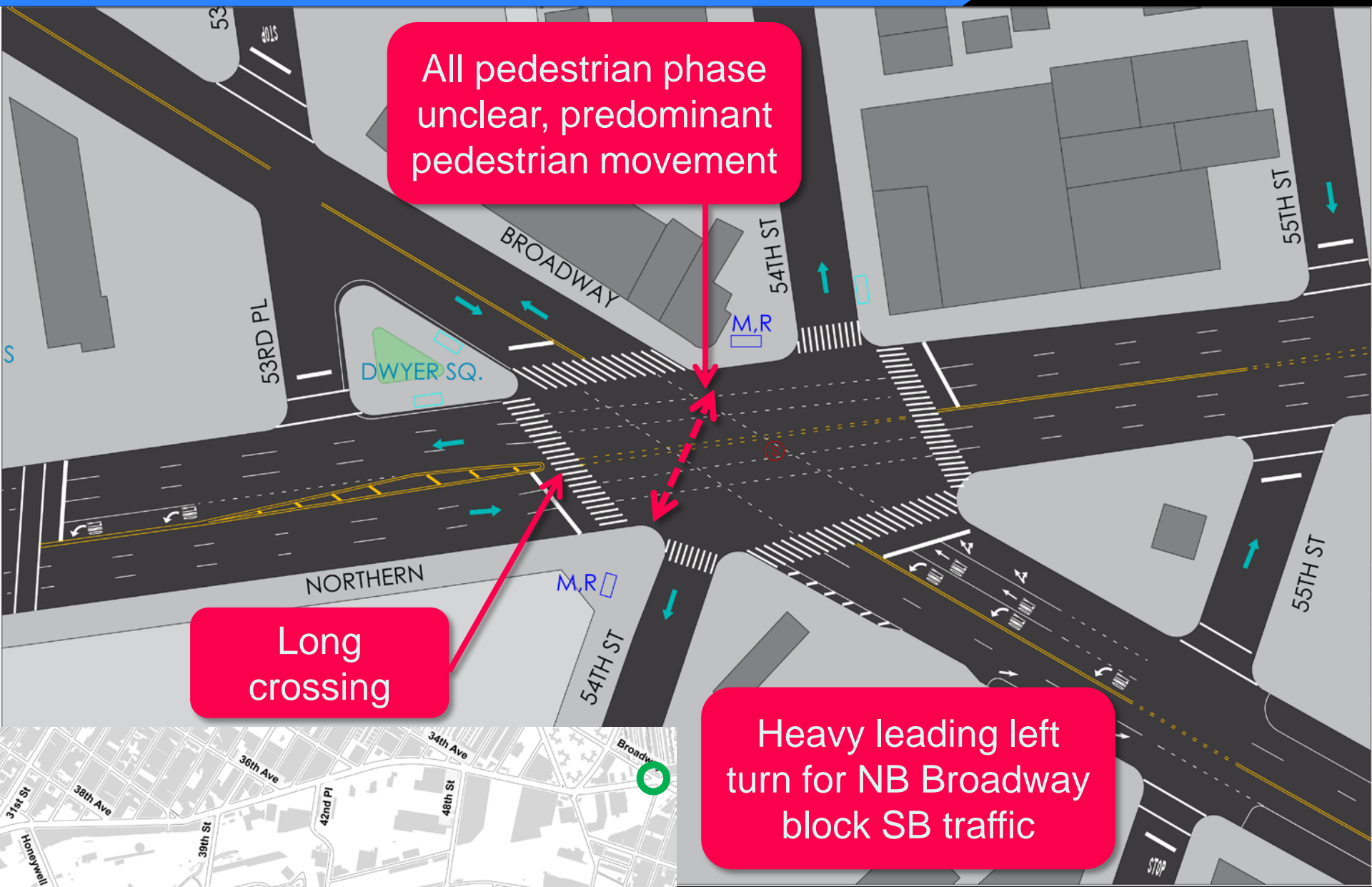
Existing Conditions – Woodside Ave



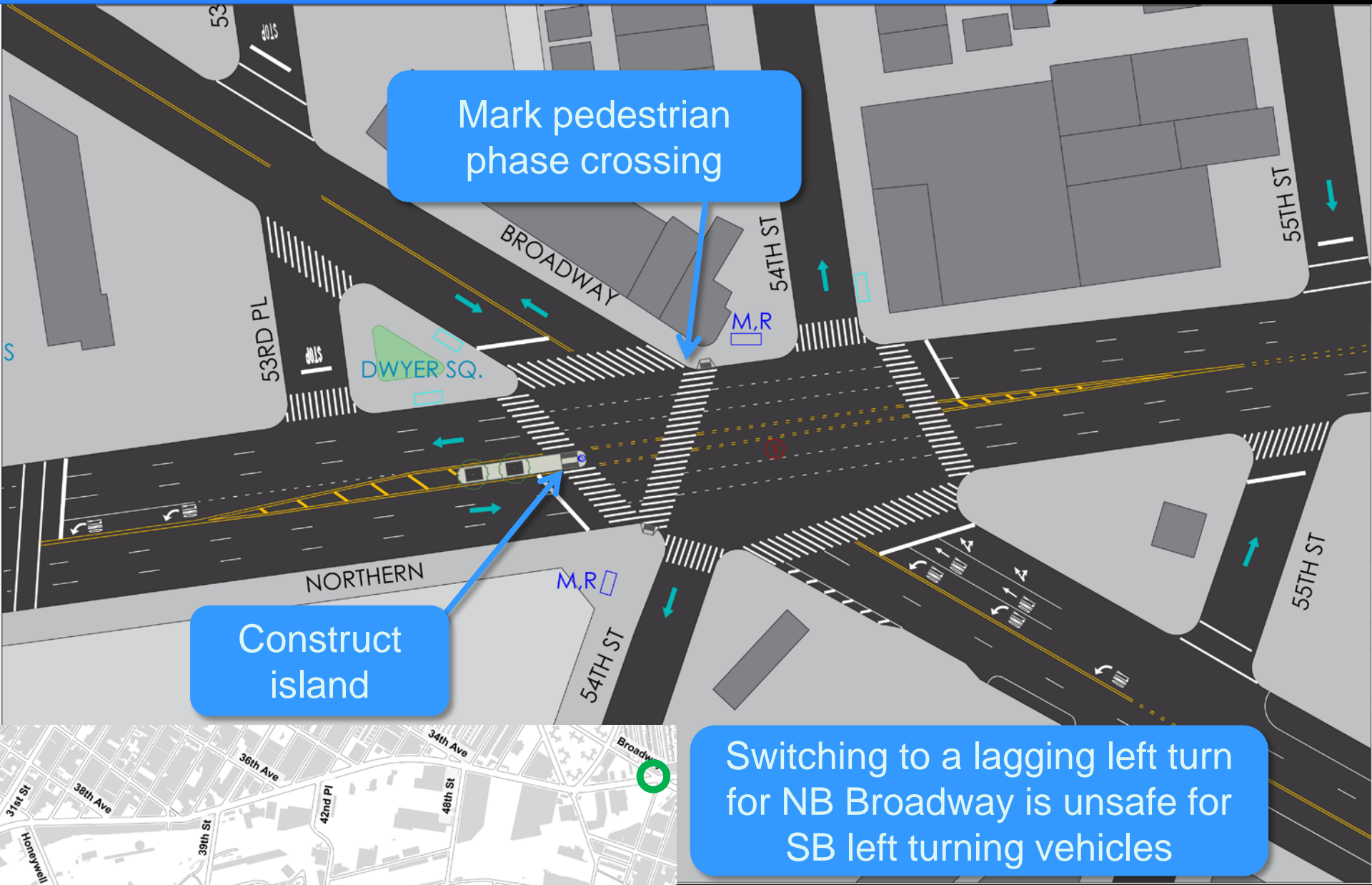
Proposed Conditions – Woodside Ave



Existing Conditions – Broadway

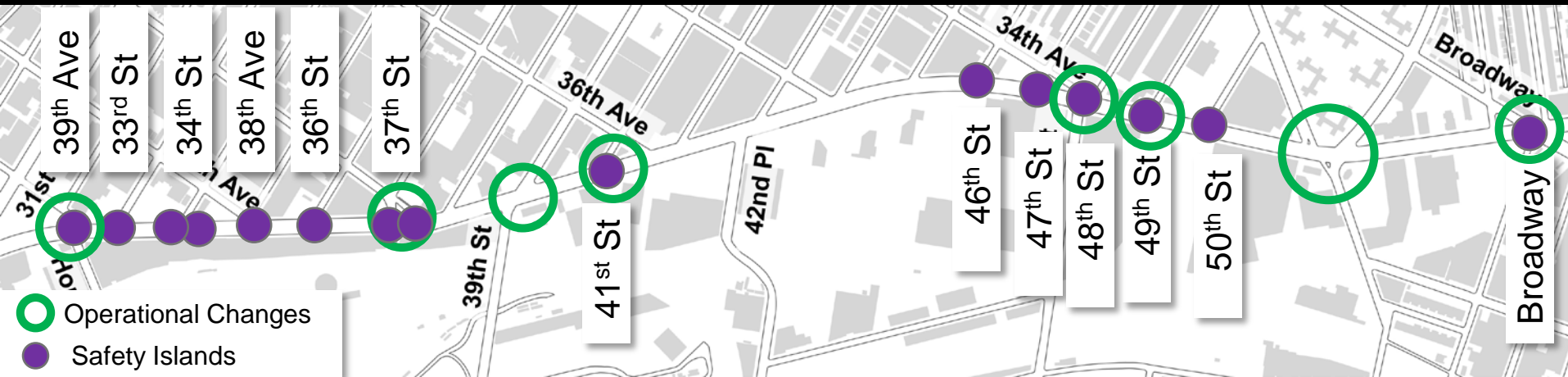


Proposed Conditions – Broadway



Proposal Summary

- Construct 14 Pedestrian Safety Islands
- Ban left turn at 39th Ave, 37th St, 36th Ave,
- Enlarge triangle at 37th St, converting one block of 37th St to one way SB from 37th Ave to Northern Blvd
- Construct curb extension, banning westbound right turn at Steinway St
- Reverse 48th St from southbound to northbound from Northern to Broadway
- Reverse 49th St from northbound to southbound from Northern to Broadway
- Add curb extension at 48th St
- Reverse one block of Newtown Rd between 48th St and Broadway
- Convert one block of 49th St to two-way between Broadway and Newtown Rd
- Paint curb extension at 49th St and Newtown Rd
- Expand triangles and corner at Newtown/Woodside Ave





CITY
SPEED
LIMIT
25
Northern Blvd
SLOW ZONE

34th

15
MPH

15
MPH

15
MPH

Thank
You

www.nyc.gov/dot