



3RD AVE, MARINE AVE TO 99TH ST

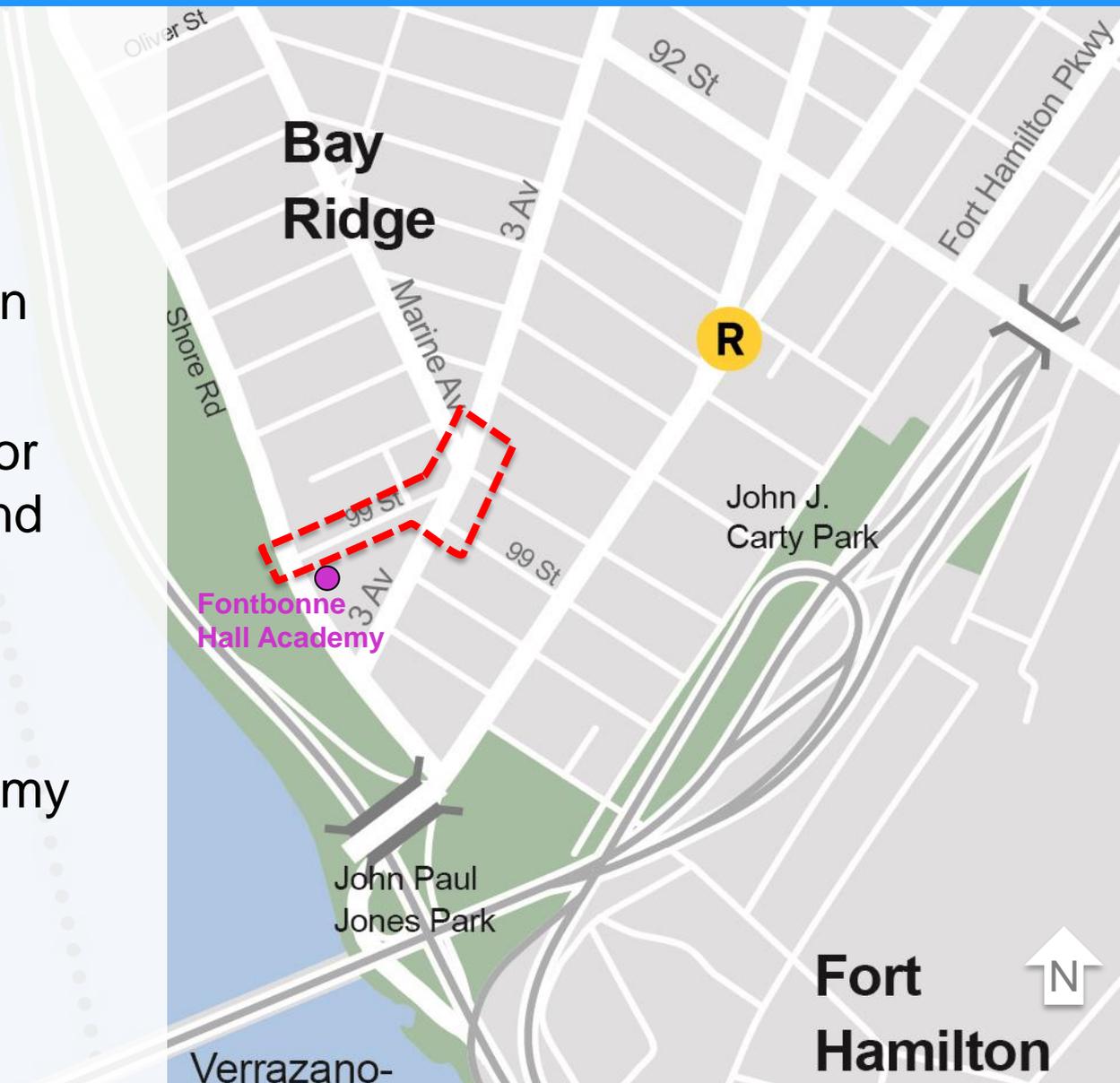
Presentation to CB 10 Transportation Committee

October 17, 2019



PROJECT AREA

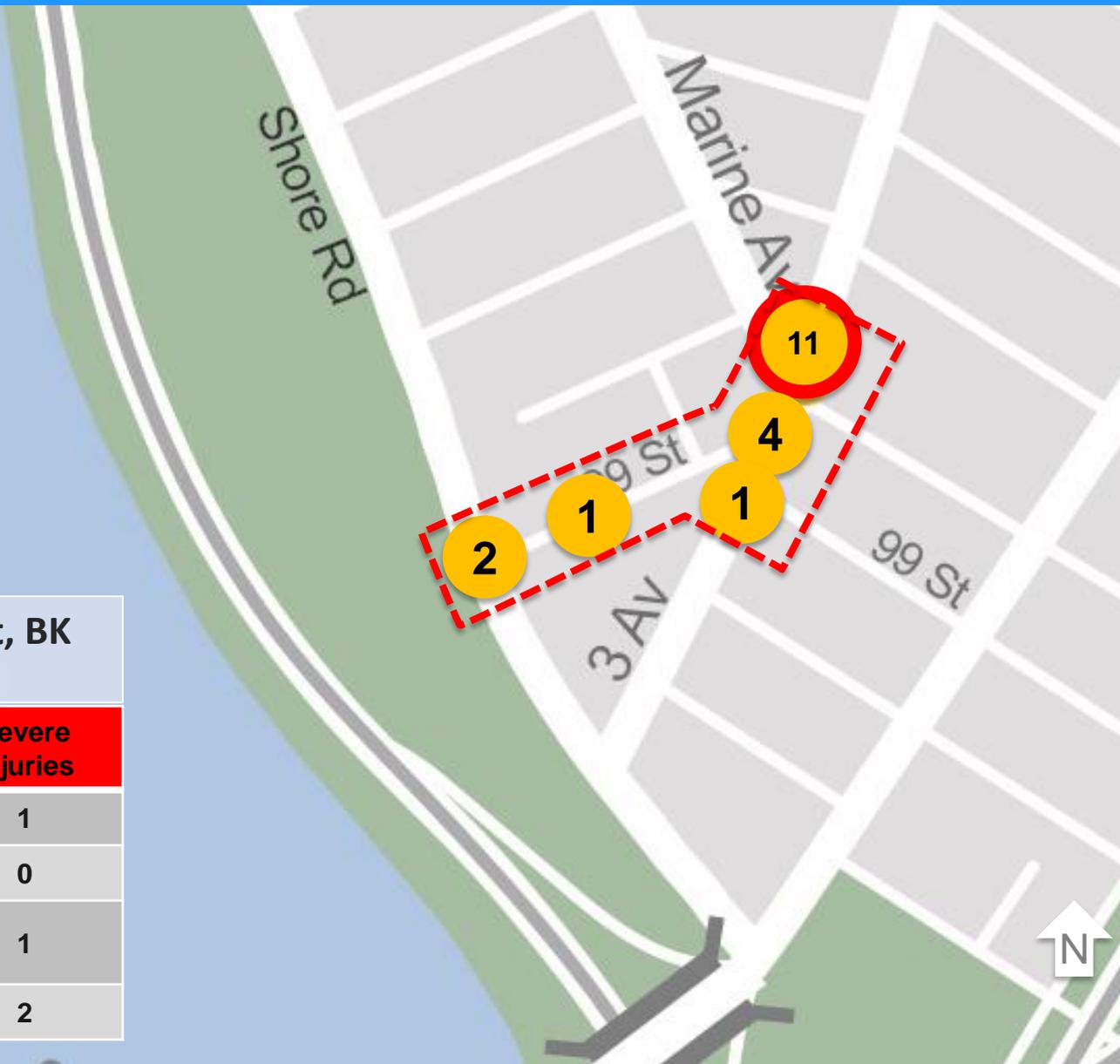
- Residential area with some commercial use
- Proximity to the R Train
- Bus stops on 3rd Ave for B37, B16, x27, x37, and B63
- Nearby Schools – Fontbonne Hall Academy
- Senior Safety Area



SAFETY DATA

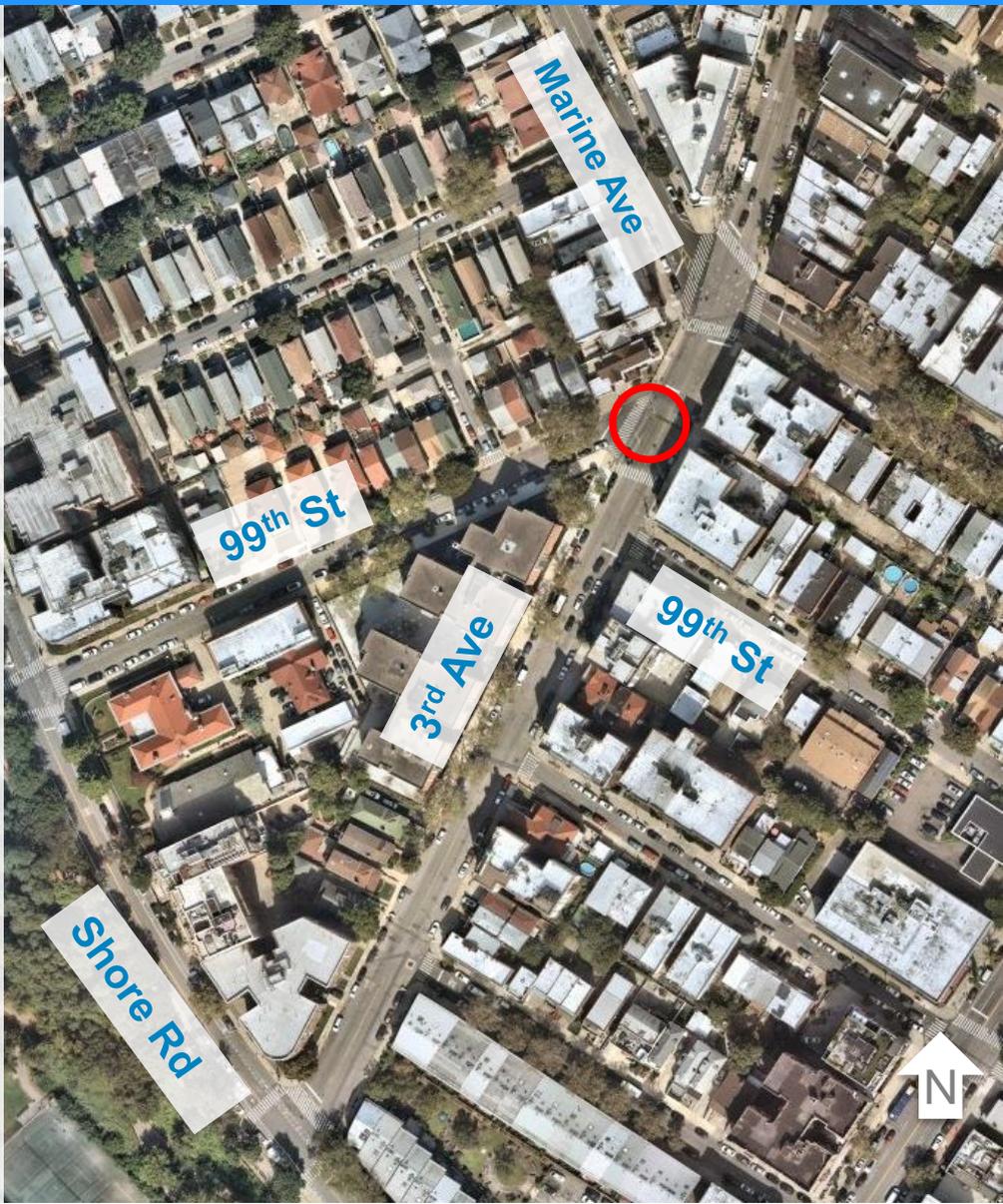
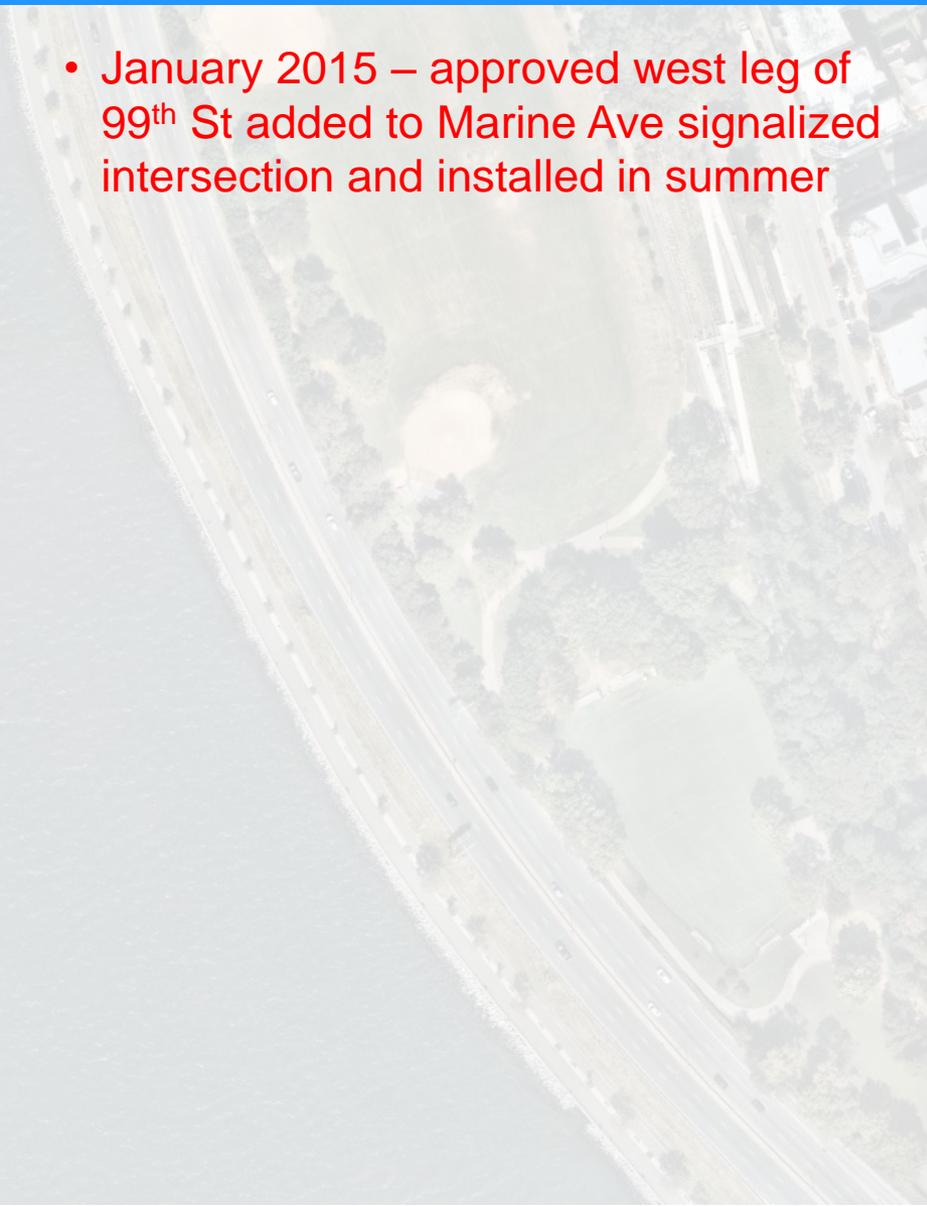
3rd Ave from Marine to 99th St, BK
Injury Summary, 2013-2017 (5 years)

	Total Injuries	Severe Injuries
Pedestrian	7	1
Bicyclists	1	0
Motor Vehicle Occupant	8	1
Total	16	2



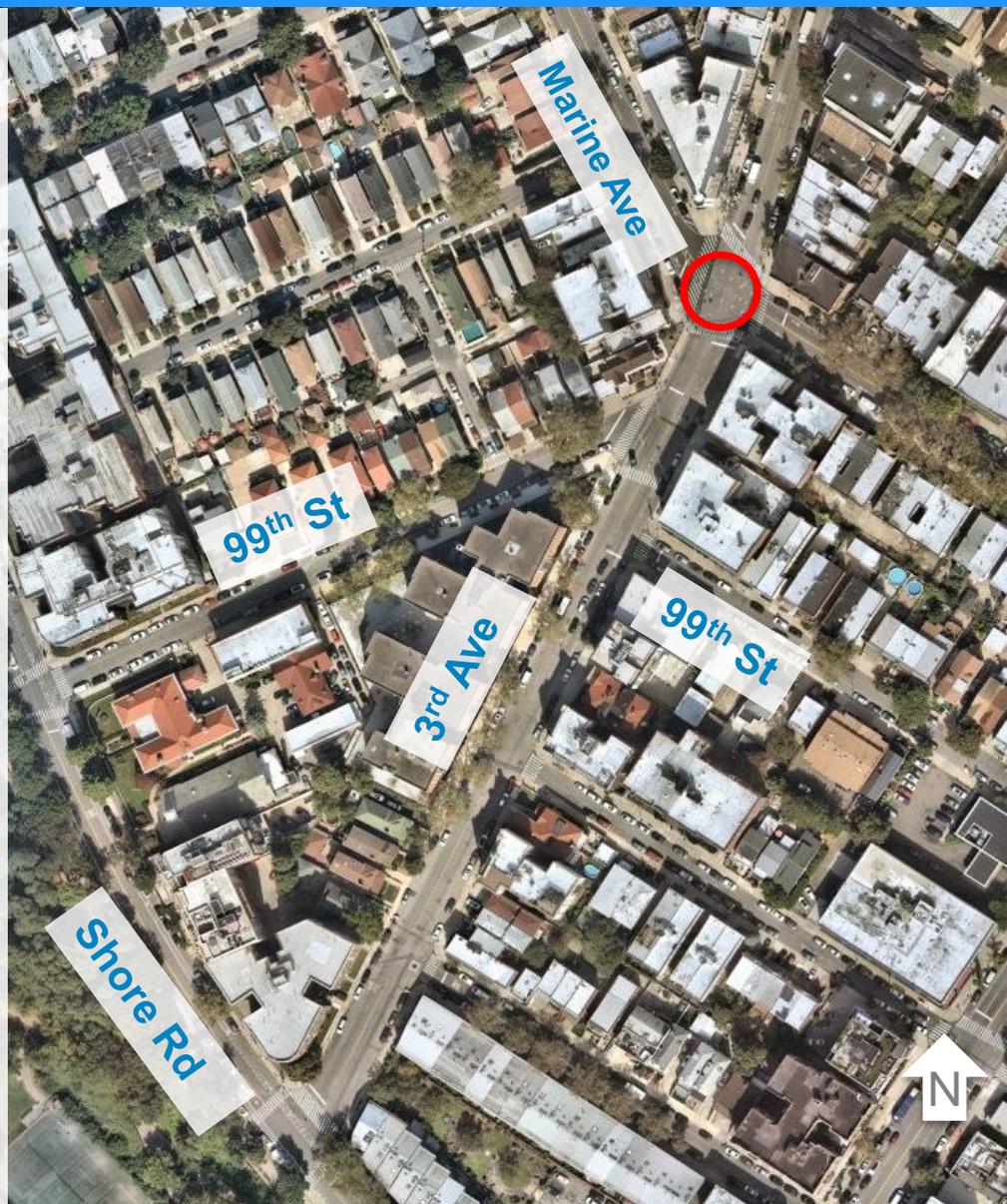
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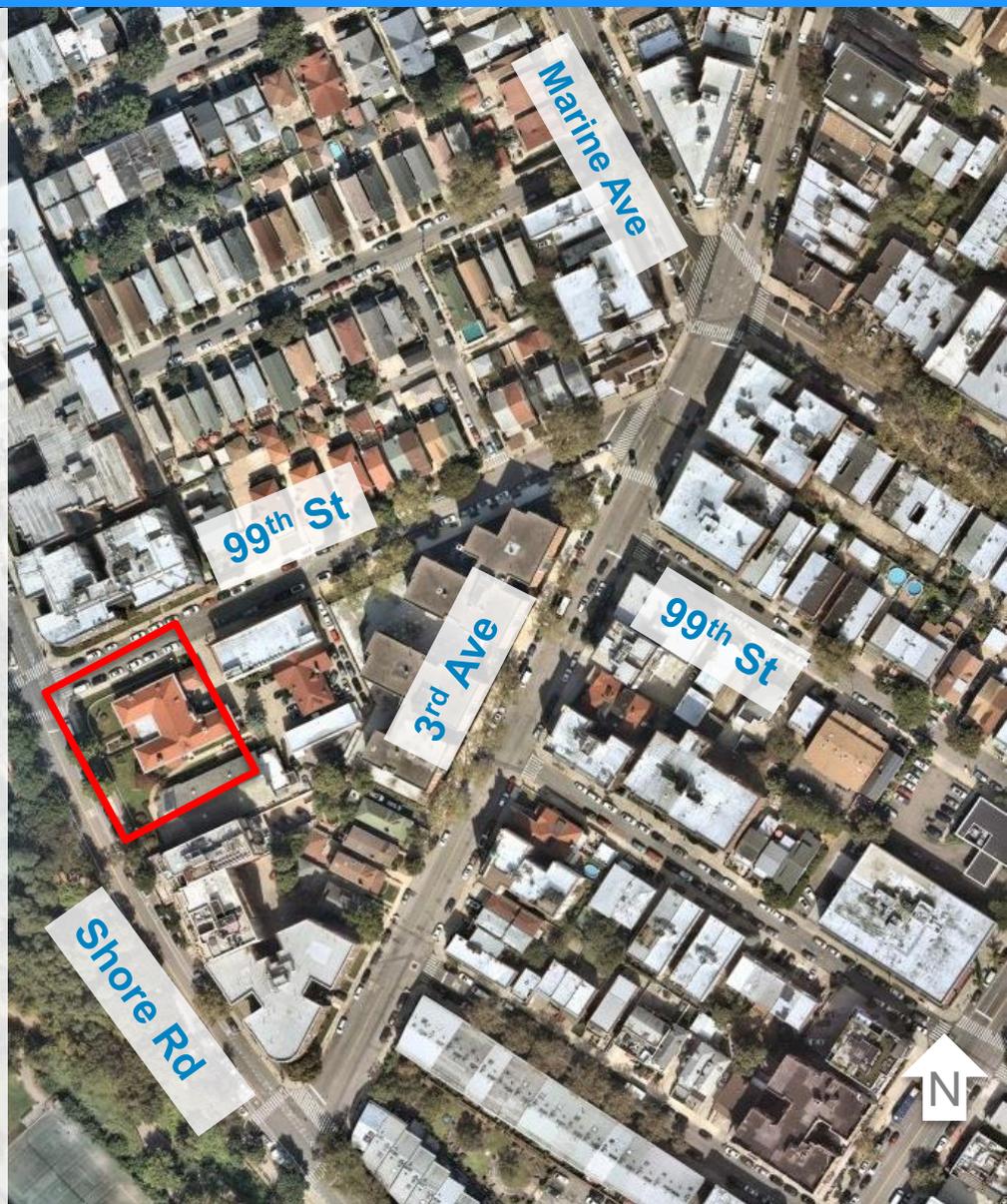
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- **Met with Fontbonne Hall Academy October 1, 2019**



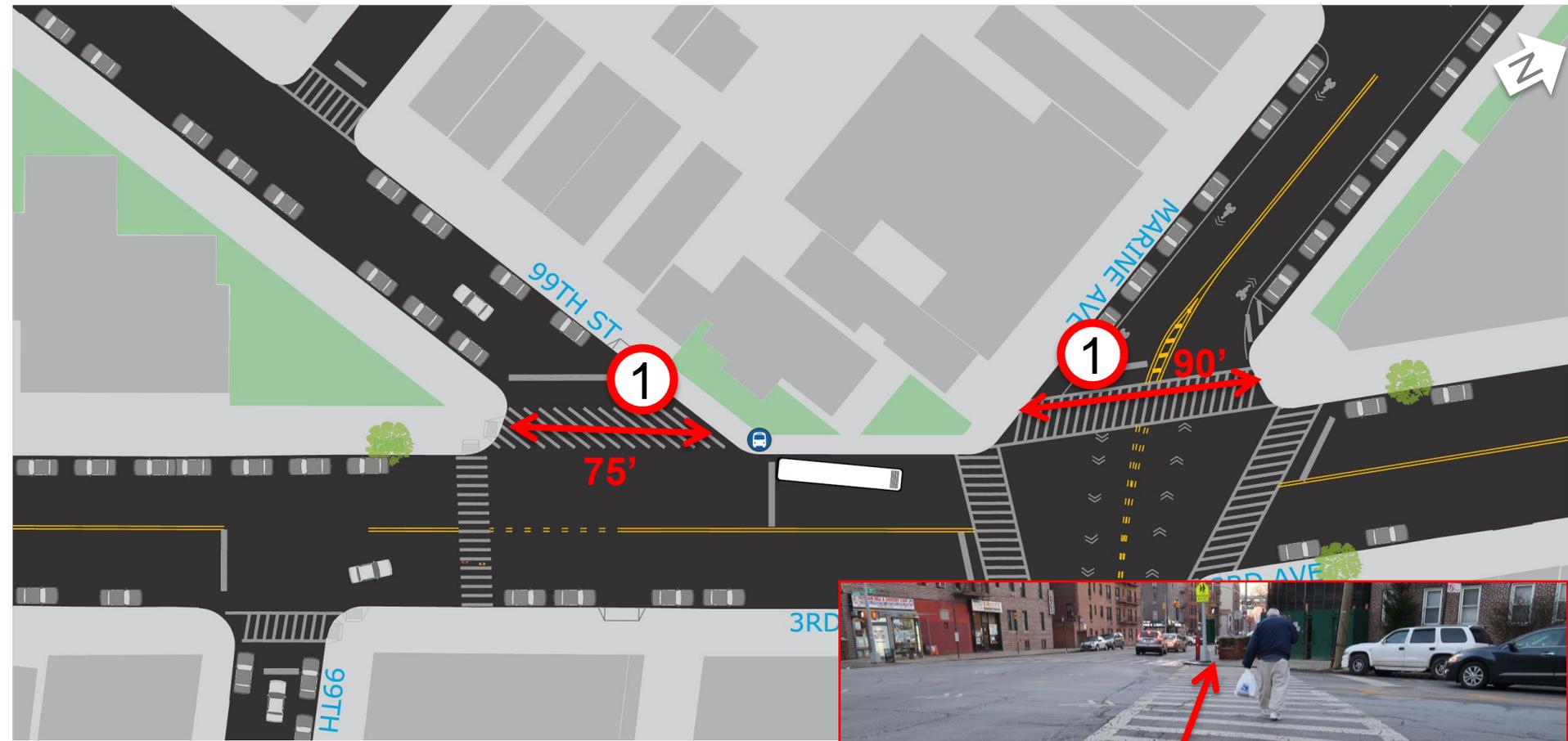
Existing Conditions



EXISTING MARINE AVE AND 3RD AVE



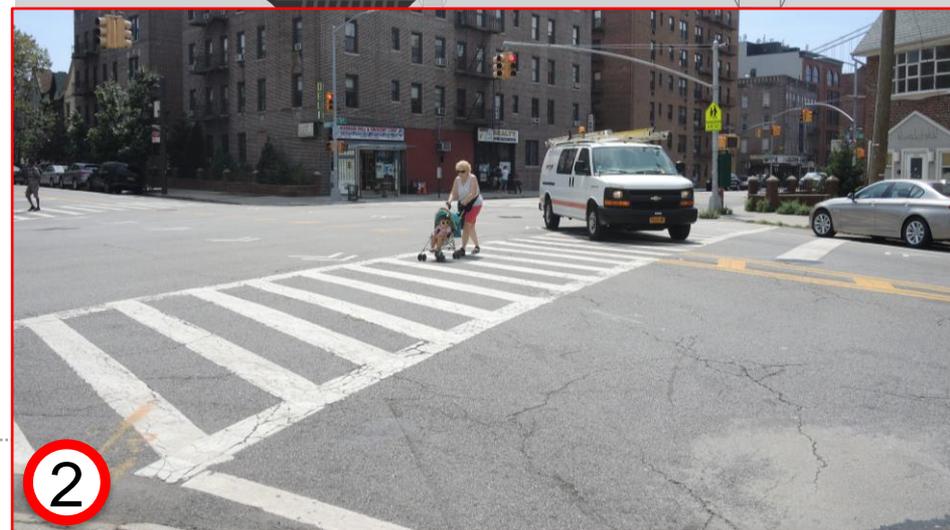
EXISTING MARINE AVE AND 3RD AVE



1 Long crossing distances



EXISTING MARINE AVE AND 3RD AVE



Soft turns allow for vehicles to turn at higher speeds

EXISTING MARINE AVE AND 3RD AVE



3

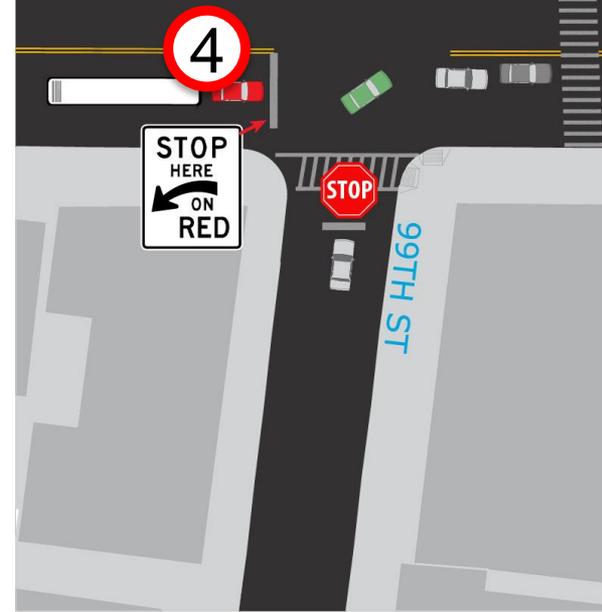
Existing crosswalk set back from 99th St making pedestrians less visible to turning vehicles



EXISTING MARINE AVE AND 3RD AVE

4

Stop control beyond the stop bar for the signalized intersection creates confusion for vehicles



EXISTING MARINE AVE AND 3RD AVE



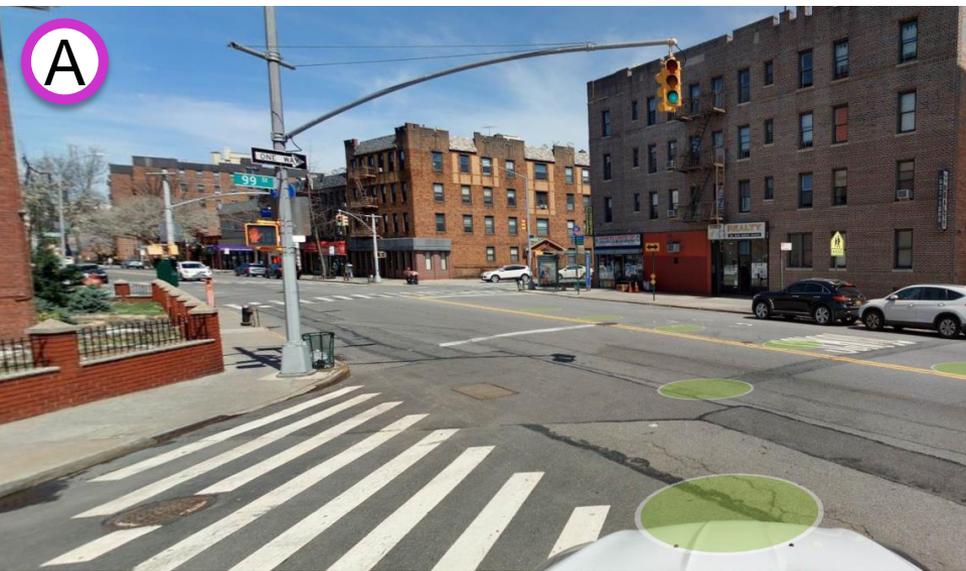
5

Vehicles turning from the stop control cannot see other movements that may have the green signal

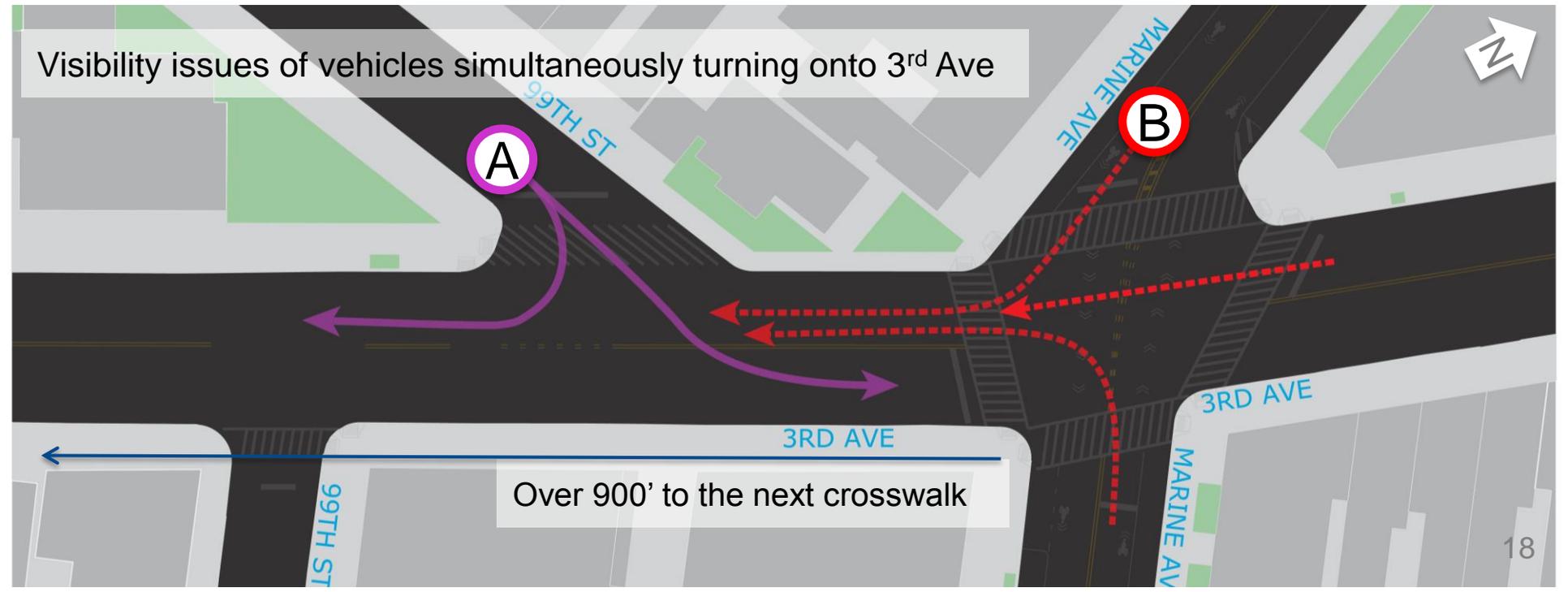
Engineering Review

2

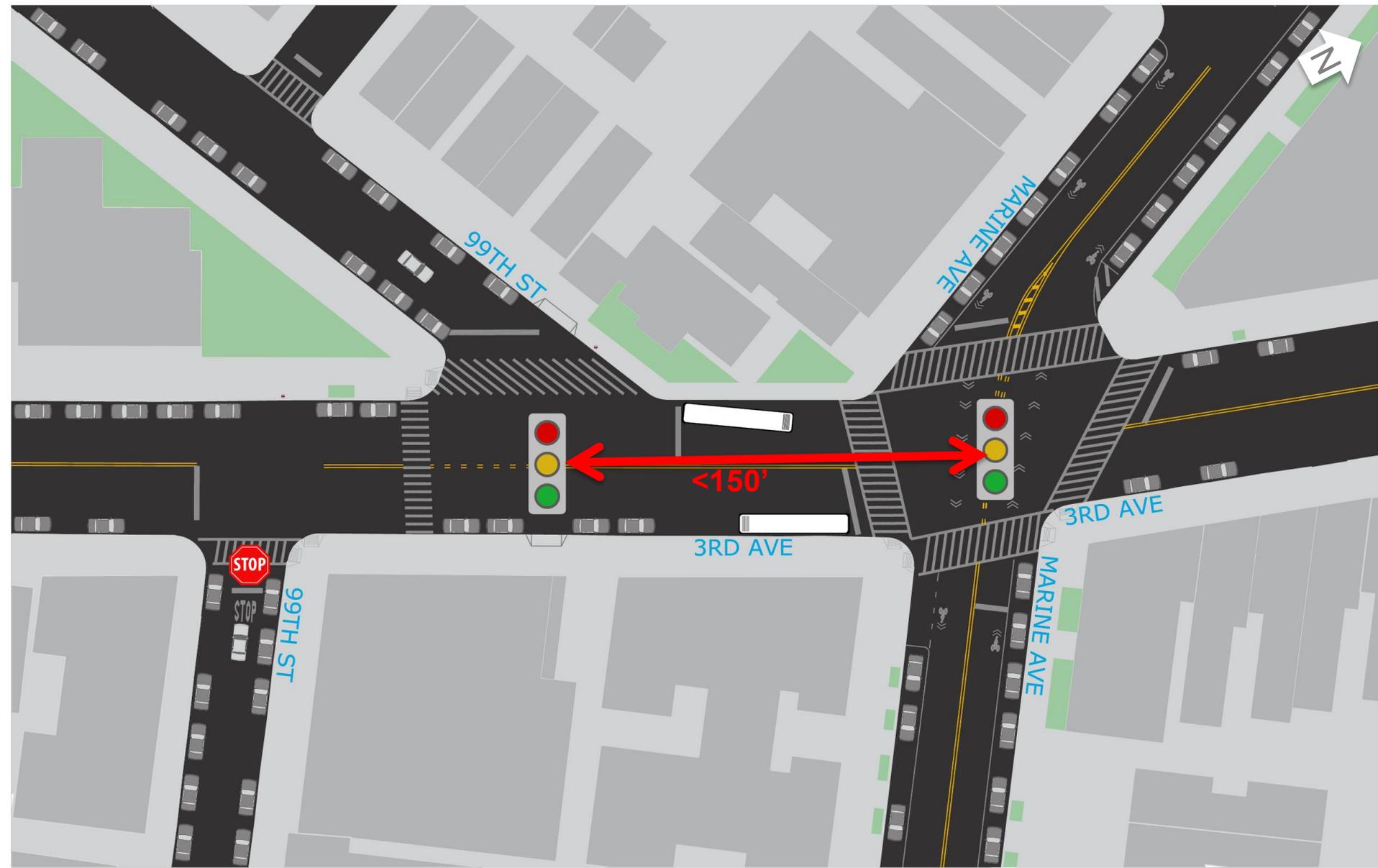
PRE 2015 SIGNAL INSTALLATION



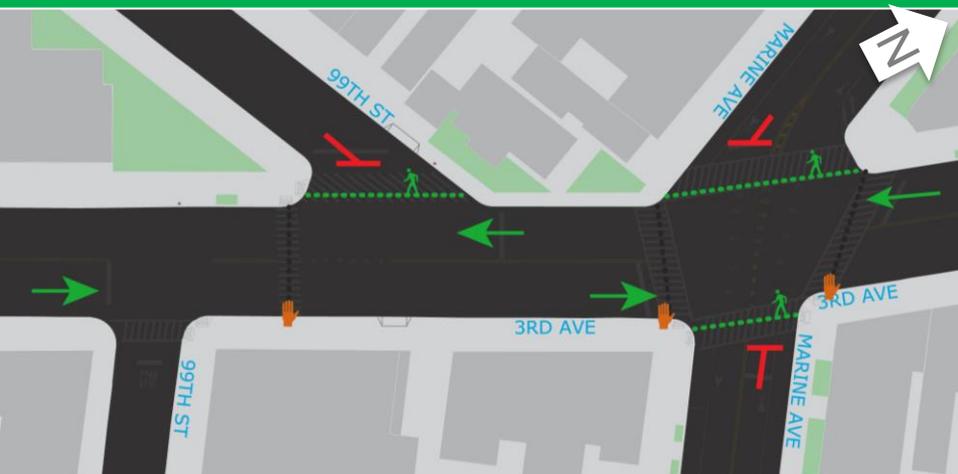
Visibility issues of vehicles simultaneously turning onto 3rd Ave



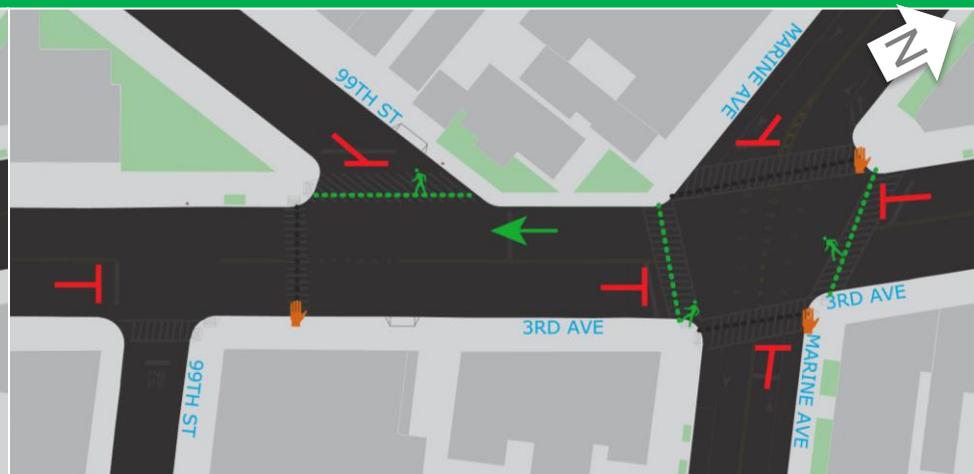
ENGINEERING REVIEW



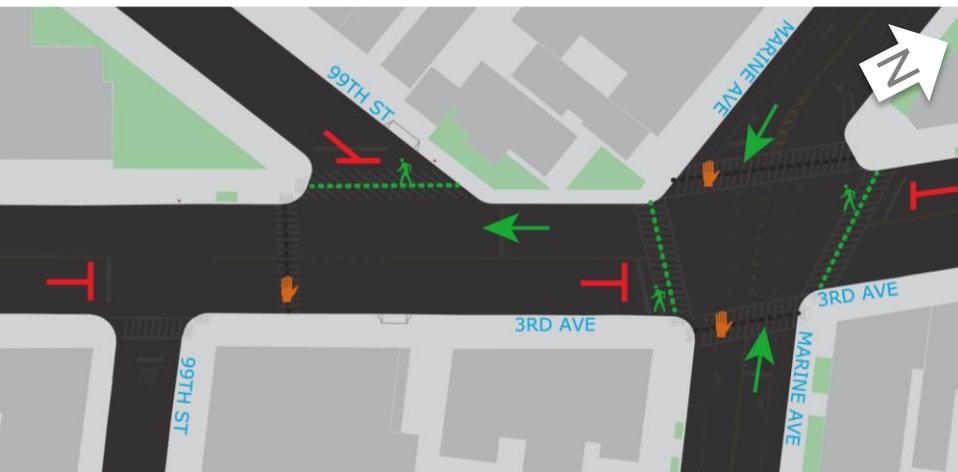
EXISTING SIGNAL PHASING – 90 SECONDS



PHASE A – 40 seconds



PHASE B – 7 seconds

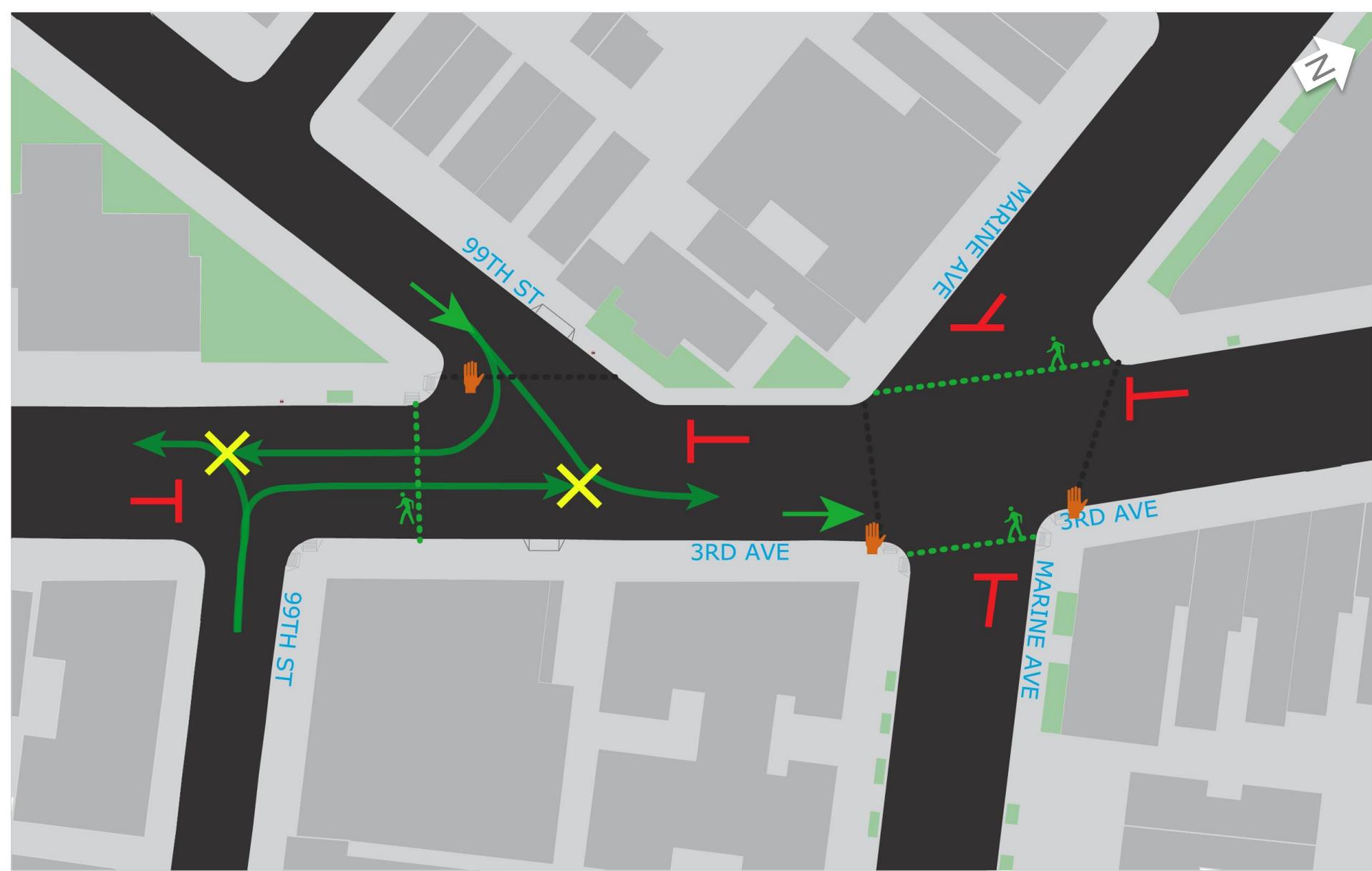


PHASE C - 21 seconds



PHASE D – 22 seconds

CONFLICT ADDING 99TH ST TO EXISTING



Proposal

3

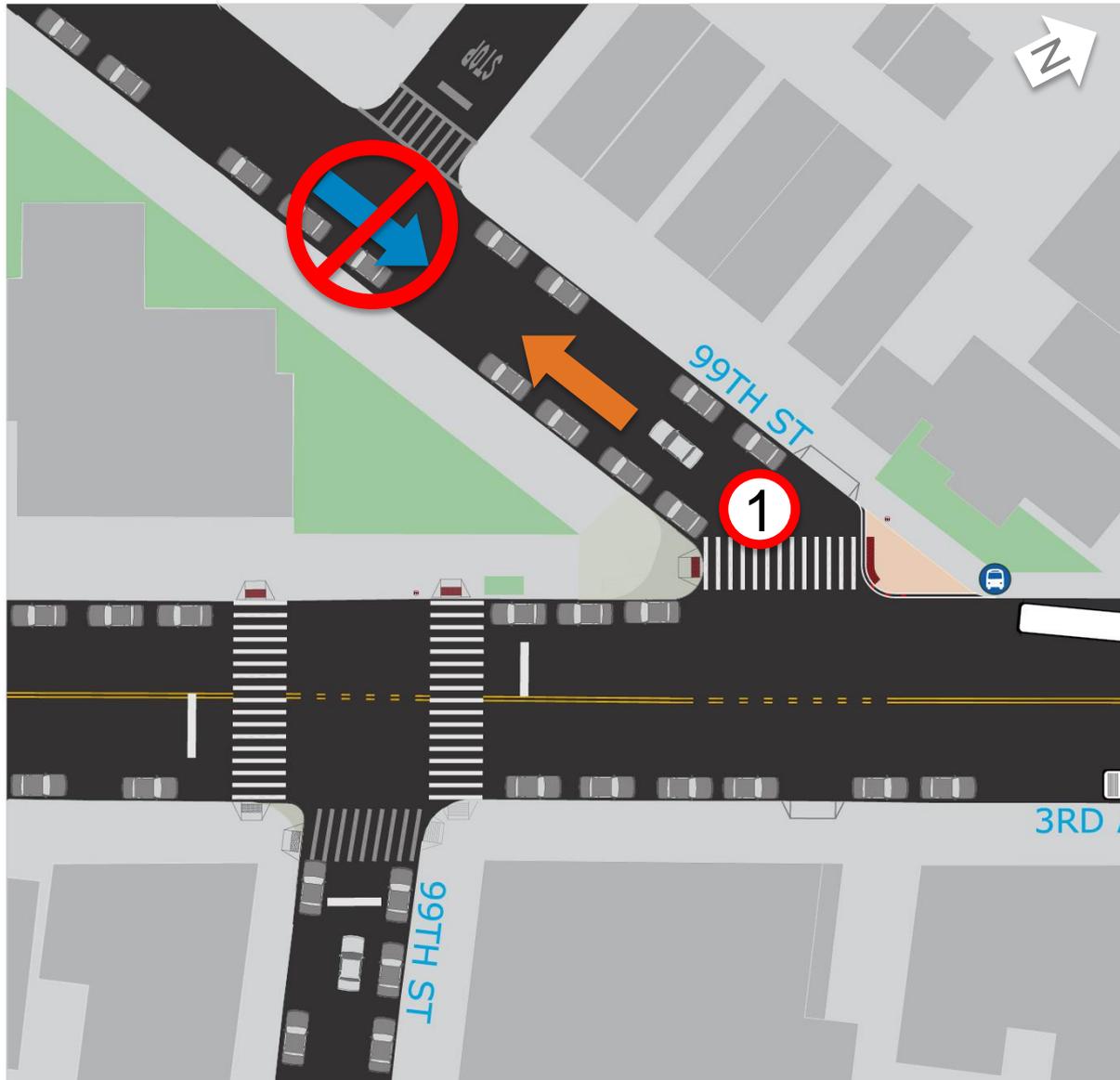
EXISTING MARINE AVE AND 3RD AVE



PROPOSAL MARINE AVE AND 3RD AVE



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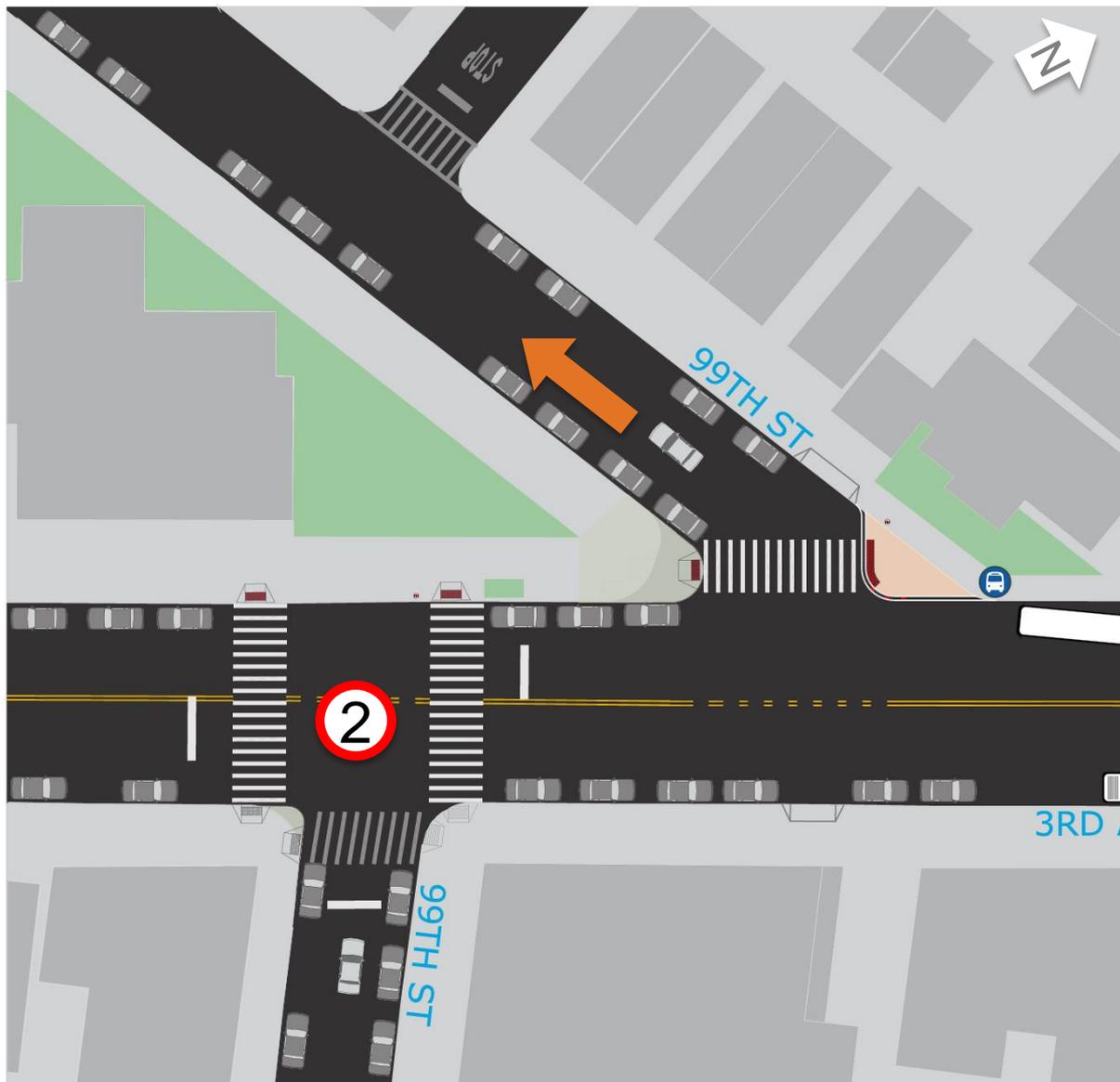


- 1 Reverse 99th St from 3rd Ave to Shore Rd



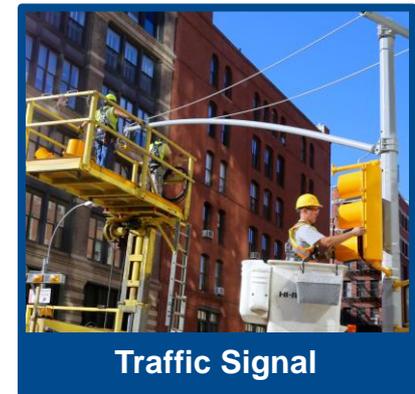
Street Conversions

PROPOSAL MARINE AVE AND 3RD AVE



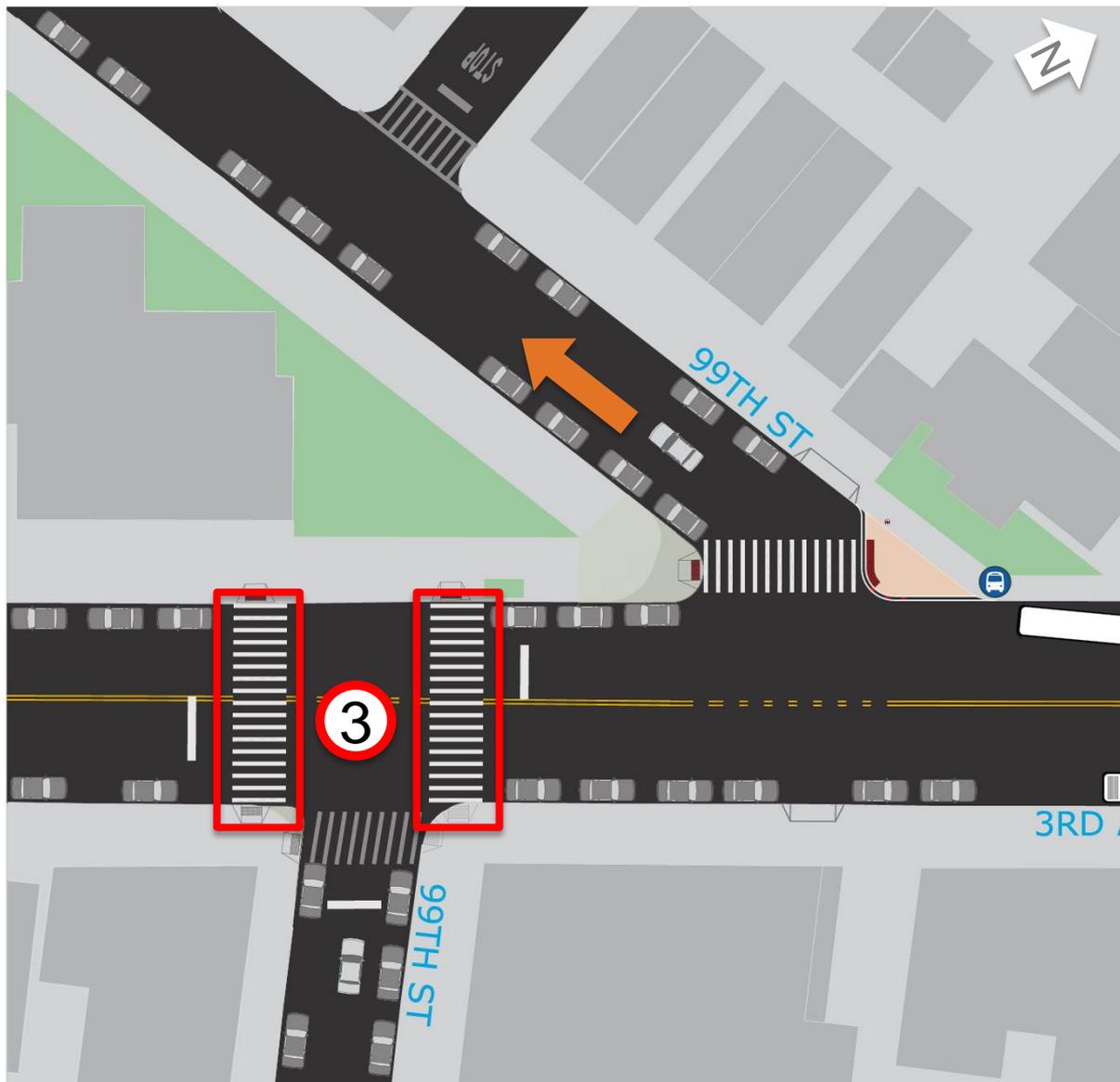
1 Reverse 99th St from 3rd Ave to Shore Rd

2 Signalize east leg of 99th St at 3rd Ave



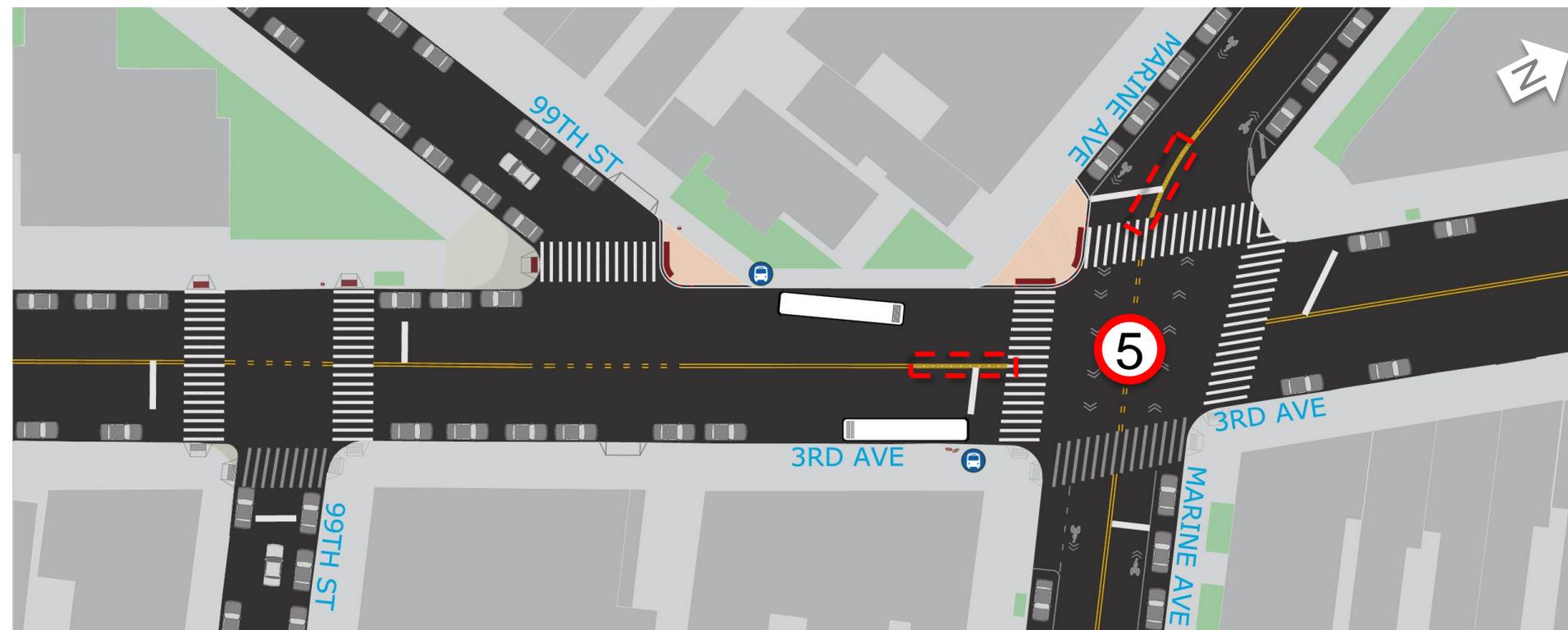
Traffic Signal

PROPOSAL MARINE AVE AND 3RD AVE



- 1 Reverse 99th St from 3rd Ave to Shore Rd
- 2 Signalize east leg of 99th St at 3rd Ave
- 3 Shift existing crosswalk and add crosswalk on other side of 99th St on 3rd Ave

PROPOSAL MARINE AVE AND 3RD AVE

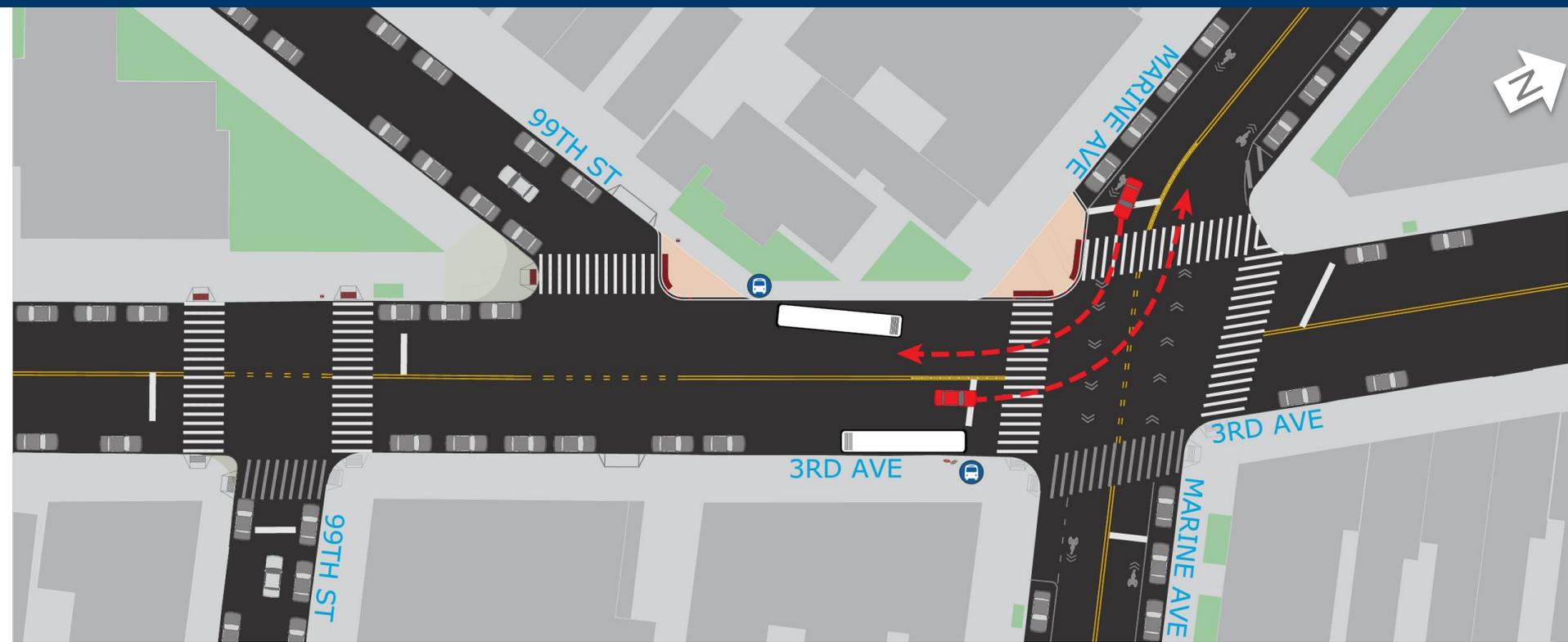


Hardened Centerline

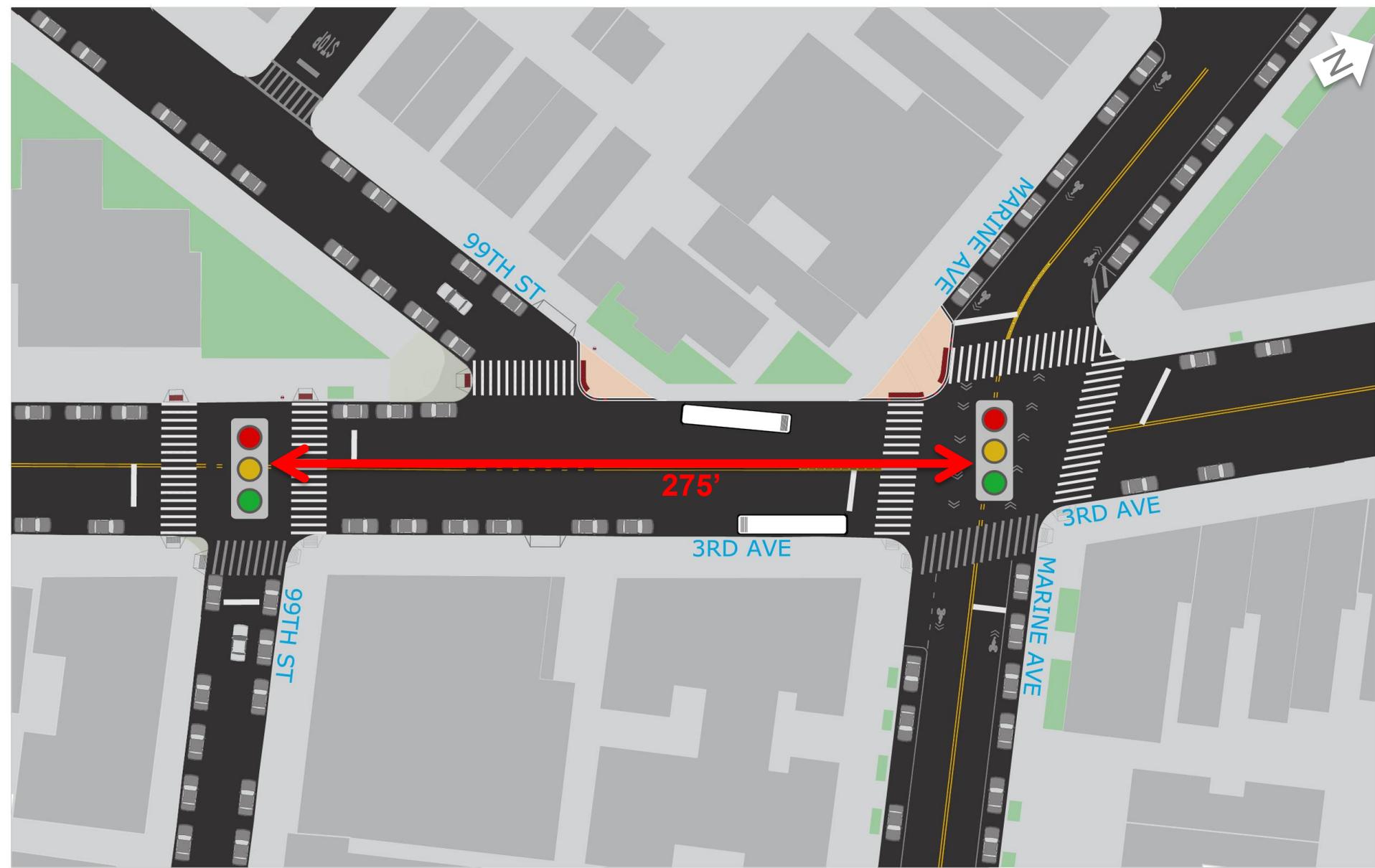


Harden centerline to slow turns onto Marine Ave and 3rd Ave

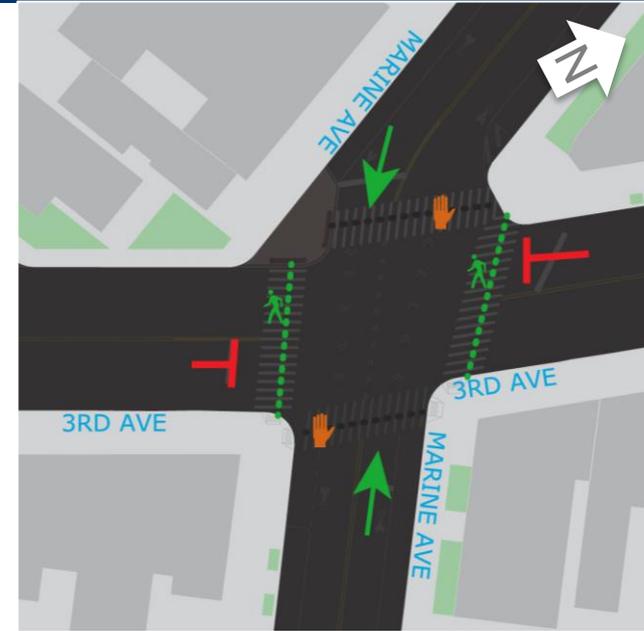
PROPOSAL MARINE AVE AND 3RD AVE



PROPOSED SIGNAL PHASING



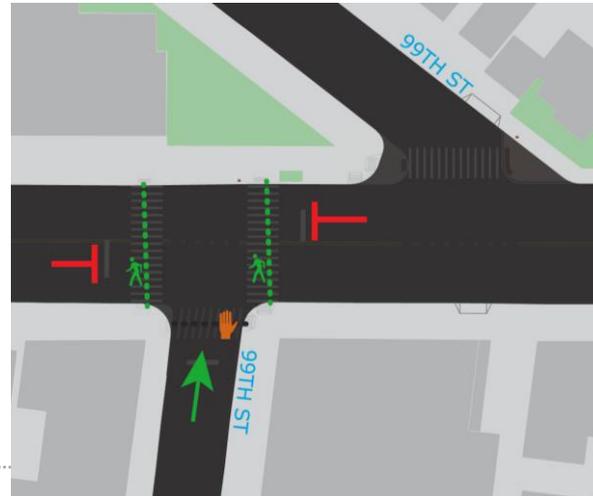
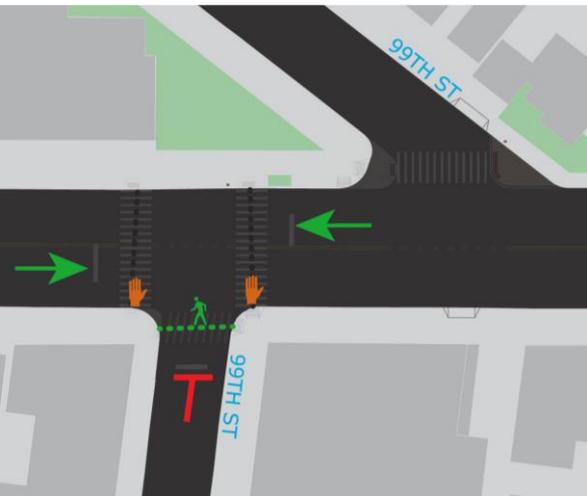
PROPOSED SIGNAL PHASING



PHASE A – 45 seconds

PHASE B – 7 seconds

PHASE C - 38 seconds



PHASE A – 45 seconds

PHASE B – 45 seconds

PROPOSAL MARINE AVE AND 3RD AVE

Existing: 3rd Ave at Marine Ave



Proposed Rendering: facing north on 3rd Ave at Marine Ave



SUMMARY

- Reverse 99th St between 3rd Ave and Shore Rd
- Signalize east leg of 99th St at 3rd Ave
- Add 3 curb extensions
- Harden centerline on 3rd Ave and Marine Ave

BENEFITS

- Shortens pedestrian crossing distances
- Increases visibility of pedestrians
- Slows turning vehicles
- Clarifies vehicular movements
- Improves Level of Service



THANK YOU!

Questions?



NYC DOT



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NYC DOT

appendix

DIVERSION PLAN

