

Eastern Pkwy & Rockaway Ave

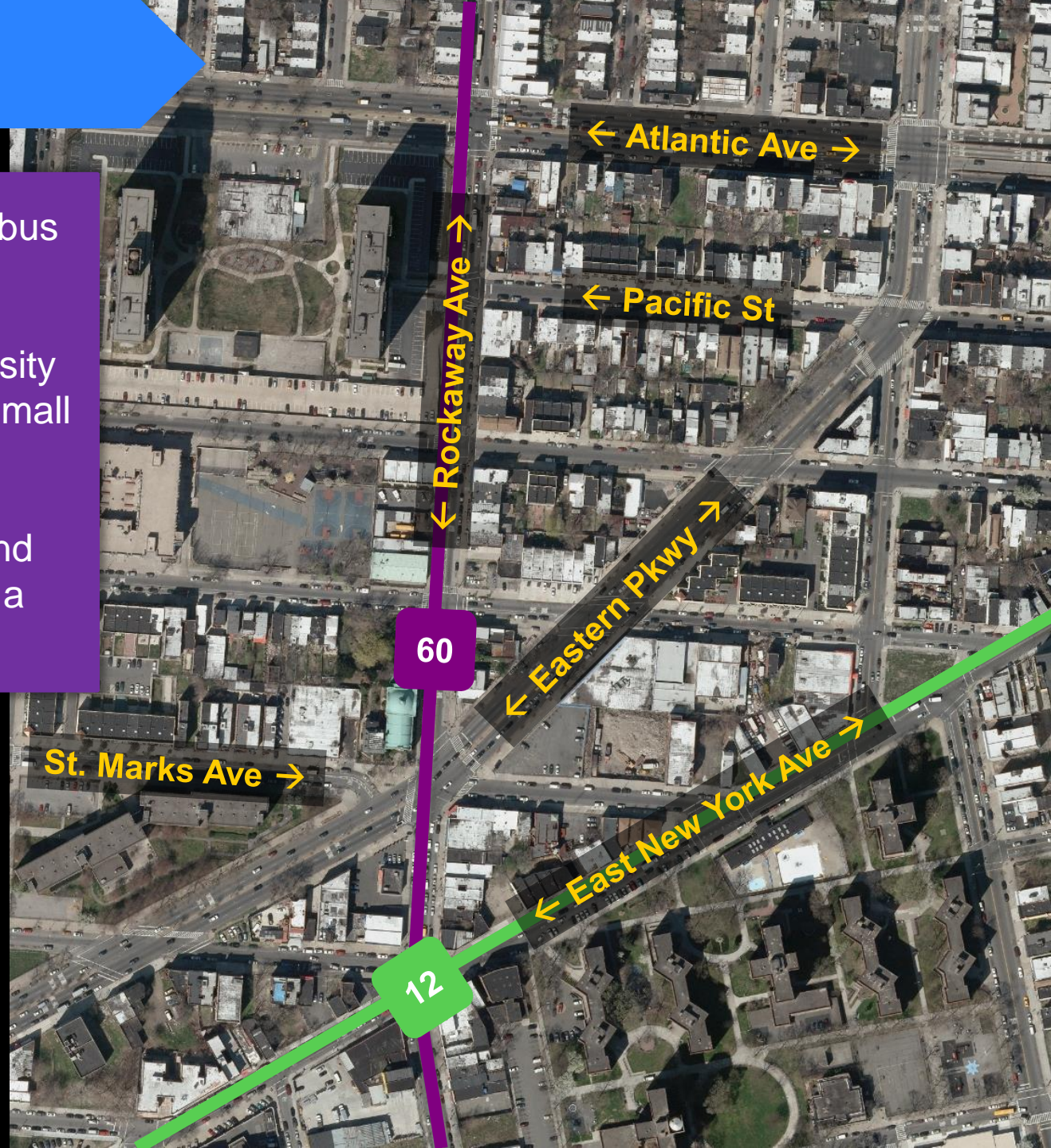
Pedestrian & Bicycle Safety Improvements

2015



Project Area

- Nearby B60 and B12 bus routes
- Medium and high density residential area with small retail shops
- Adjacent to church, and near two schools and a playground



Background

- Fatality in December 2014, pedestrian crossing Eastern Pkwy from St. Marks Ave
- High Crash Intersection, ranking in top 4% of Brooklyn Intersections (4 KSI)

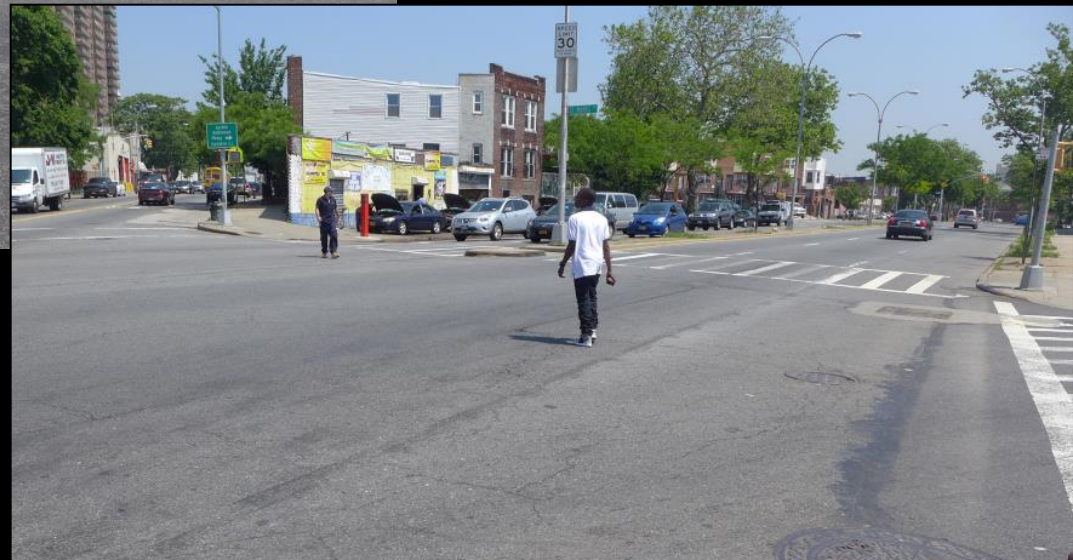


Existing Conditions

Looking west down Eastern Pkwy at intersection with Rockaway Ave



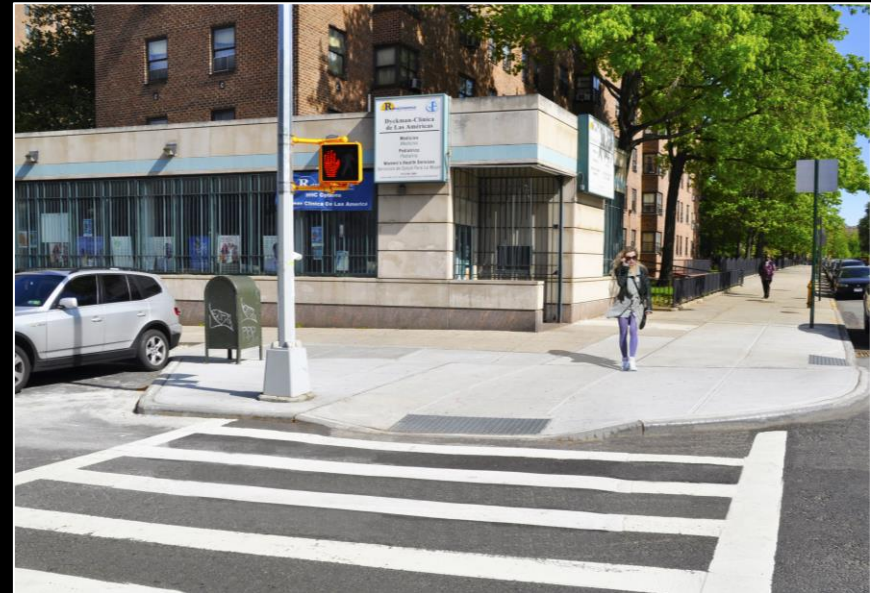
Tree pit on Eastern Pkwy



Rockaway Ave looking east at Eastern Pkwy

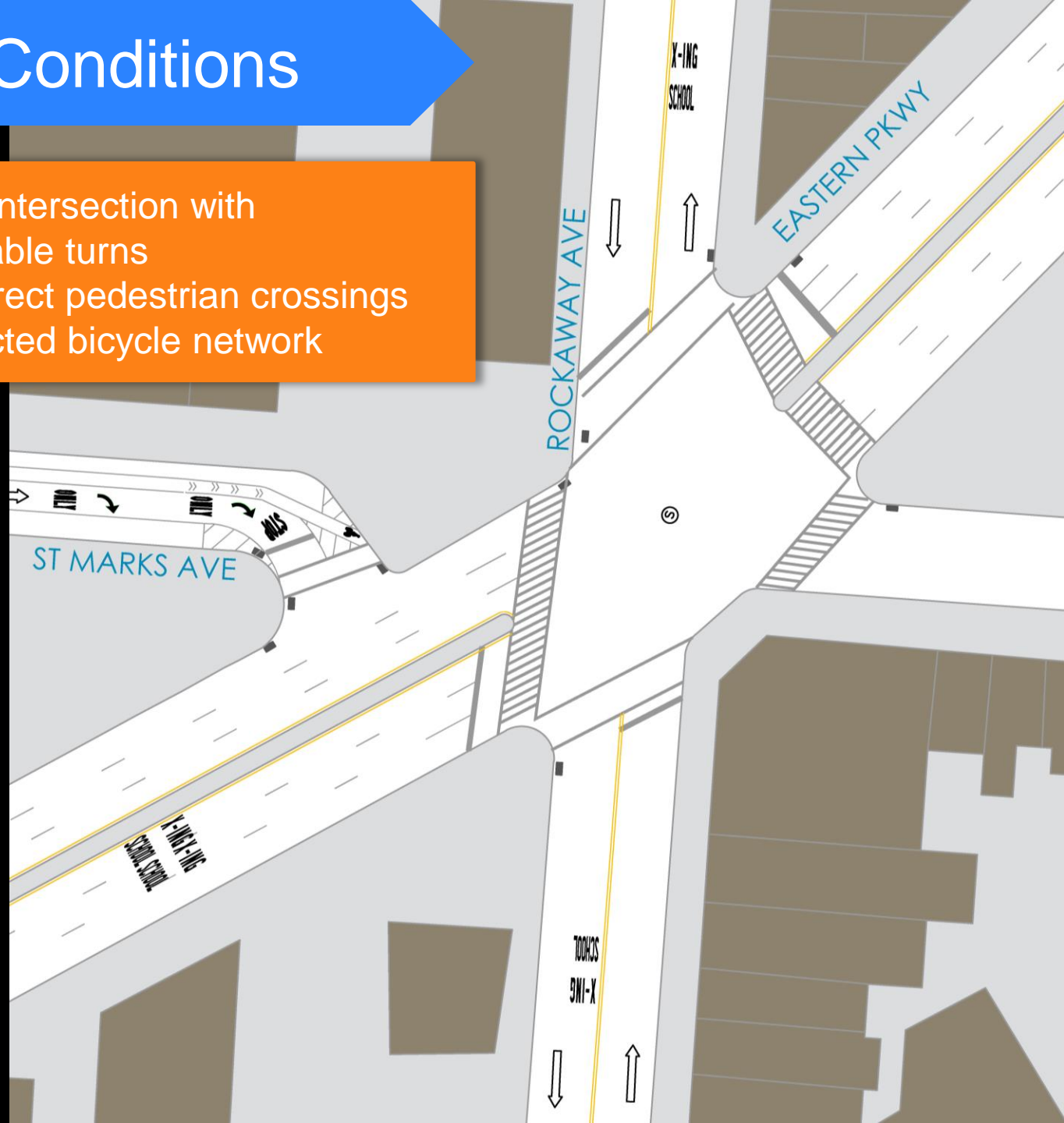
Rapid Response Toolkit

- Concrete curb extensions
- Signal modifications
- New signage
- Landscaping

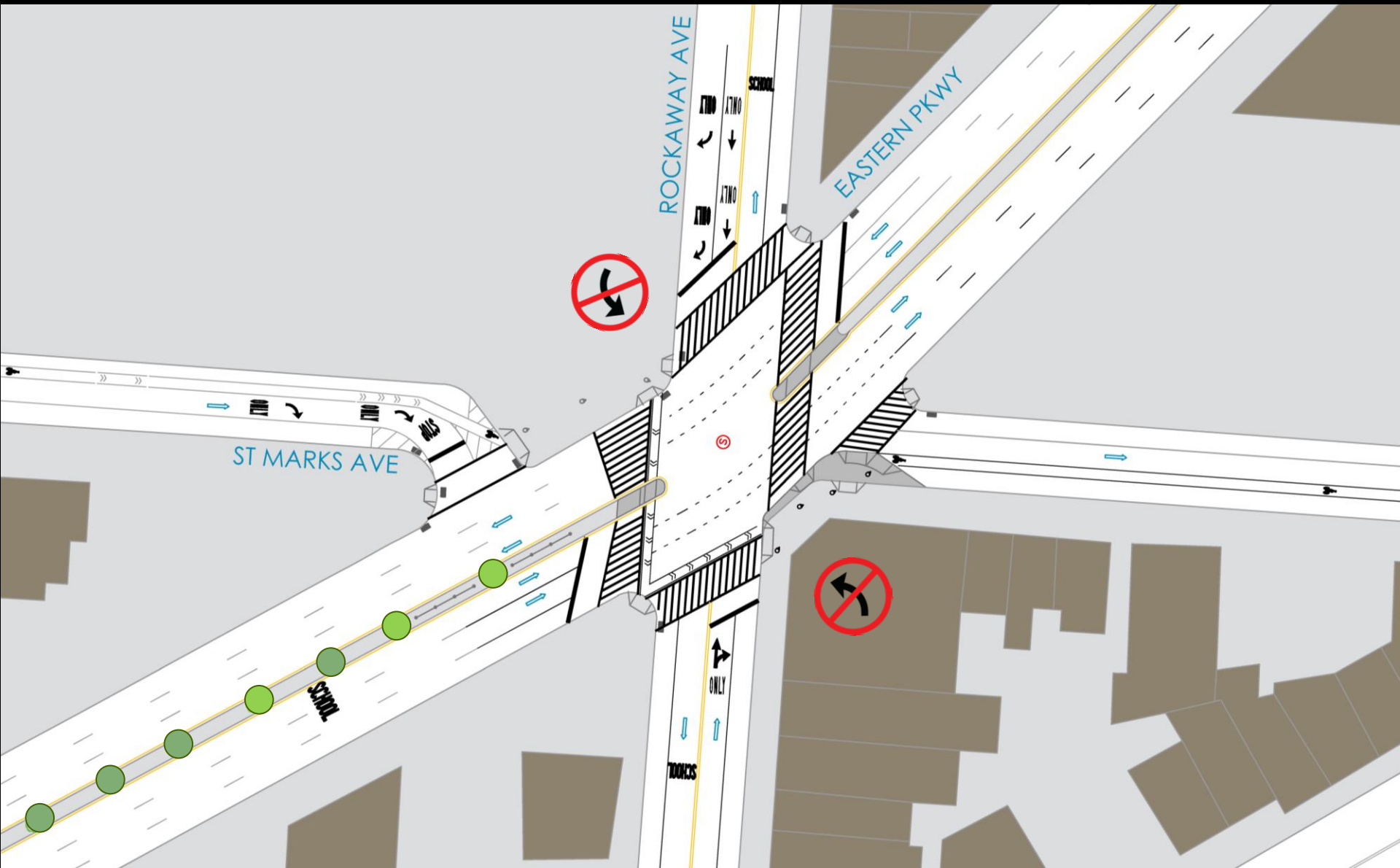


Existing Conditions

- Complex intersection with unpredictable turns
- Long, indirect pedestrian crossings
- Disconnected bicycle network



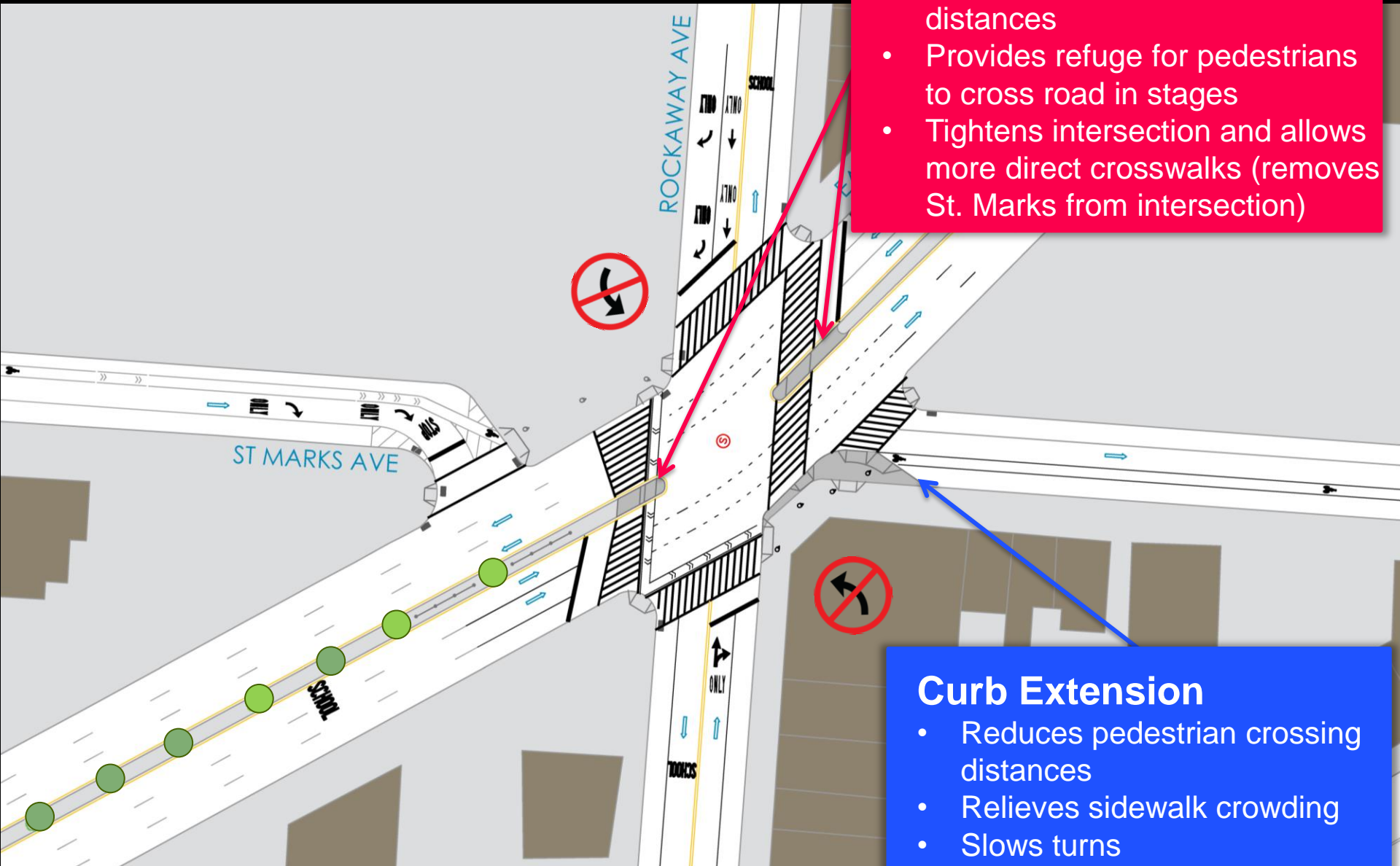
Proposal



Proposal

Pedestrian Safety Islands

- Reduces pedestrian crossing distances
- Provides refuge for pedestrians to cross road in stages
- Tightens intersection and allows more direct crosswalks (removes St. Marks from intersection)



Curb Extension

- Reduces pedestrian crossing distances
- Relieves sidewalk crowding
- Slows turns

Proposal

Pedestrian Fencing

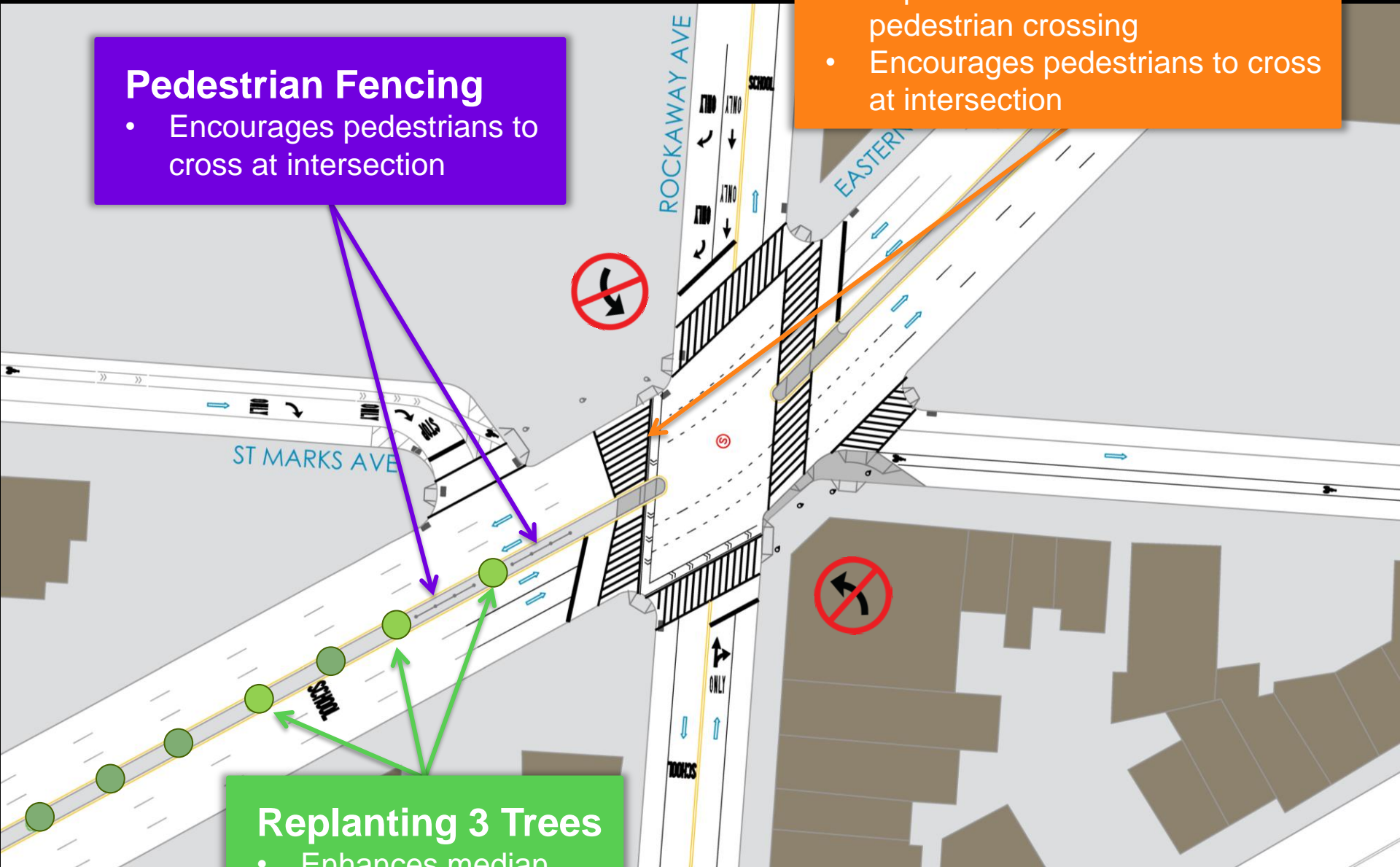
- Encourages pedestrians to cross at intersection

Expanded Crosswalk

- Improves drivers' awareness of pedestrian crossing
- Encourages pedestrians to cross at intersection

Replanting 3 Trees

- Enhances median



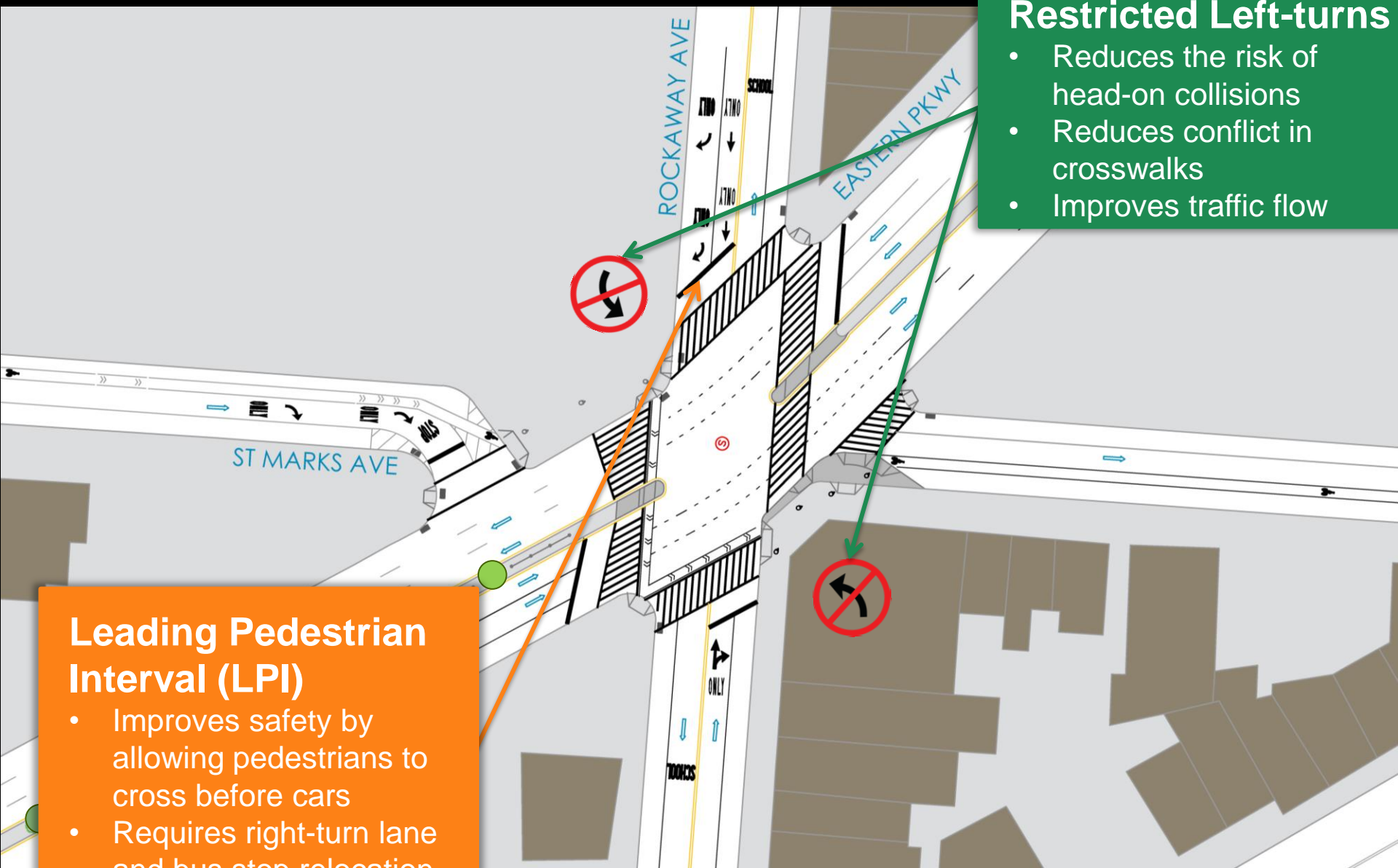
Proposal

Restricted Left-turns

- Reduces the risk of head-on collisions
- Reduces conflict in crosswalks
- Improves traffic flow

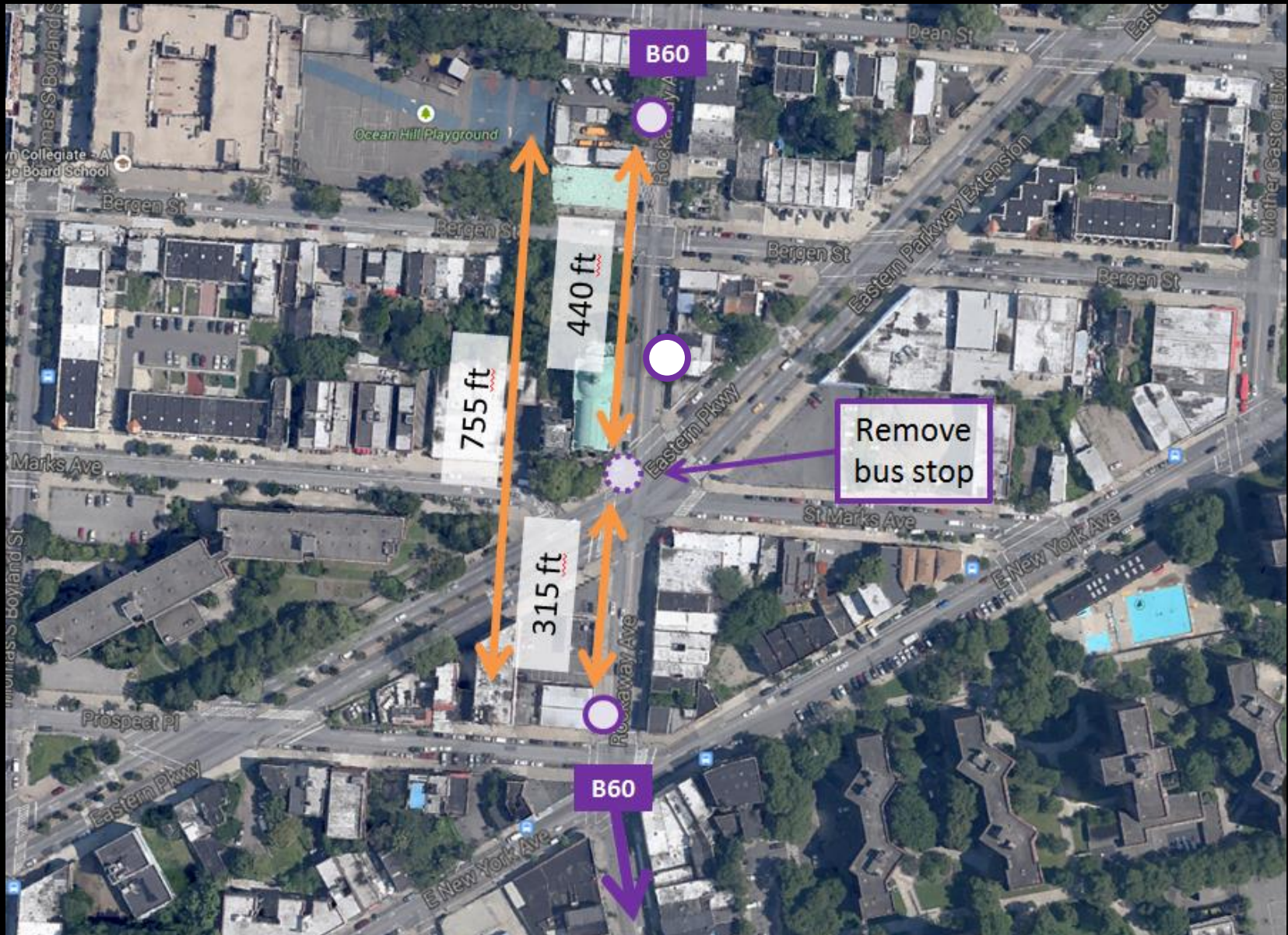
Leading Pedestrian Interval (LPI)

- Improves safety by allowing pedestrians to cross before cars
- Requires right-turn lane and bus stop relocation



Bus Stop Removal

Canarsie-bound B60 at Rockaway Ave and Eastern Pkwy



Proposal

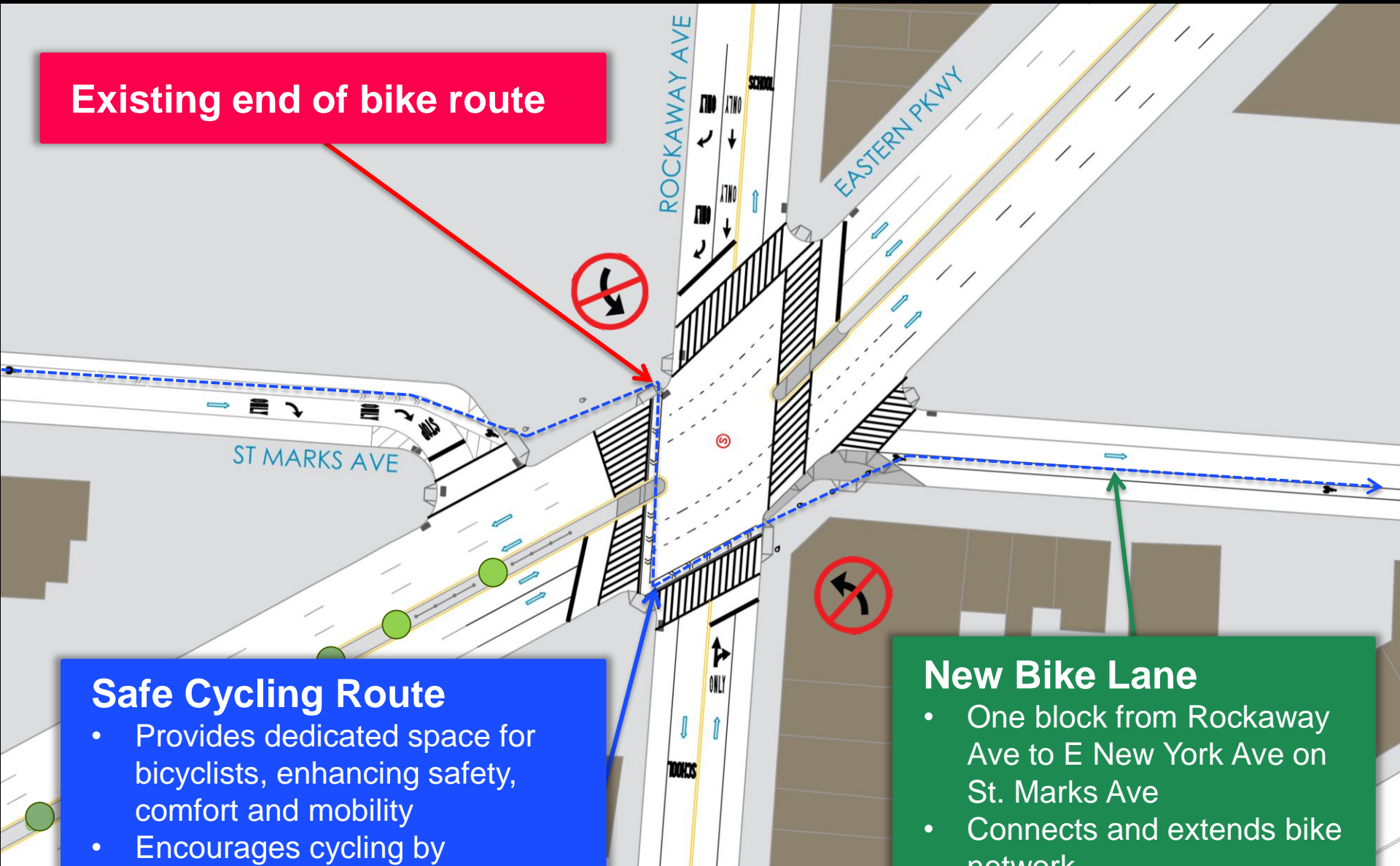
Existing end of bike route

Safe Cycling Route

- Provides dedicated space for bicyclists, enhancing safety, comfort and mobility
- Encourages cycling by connecting bike network

New Bike Lane

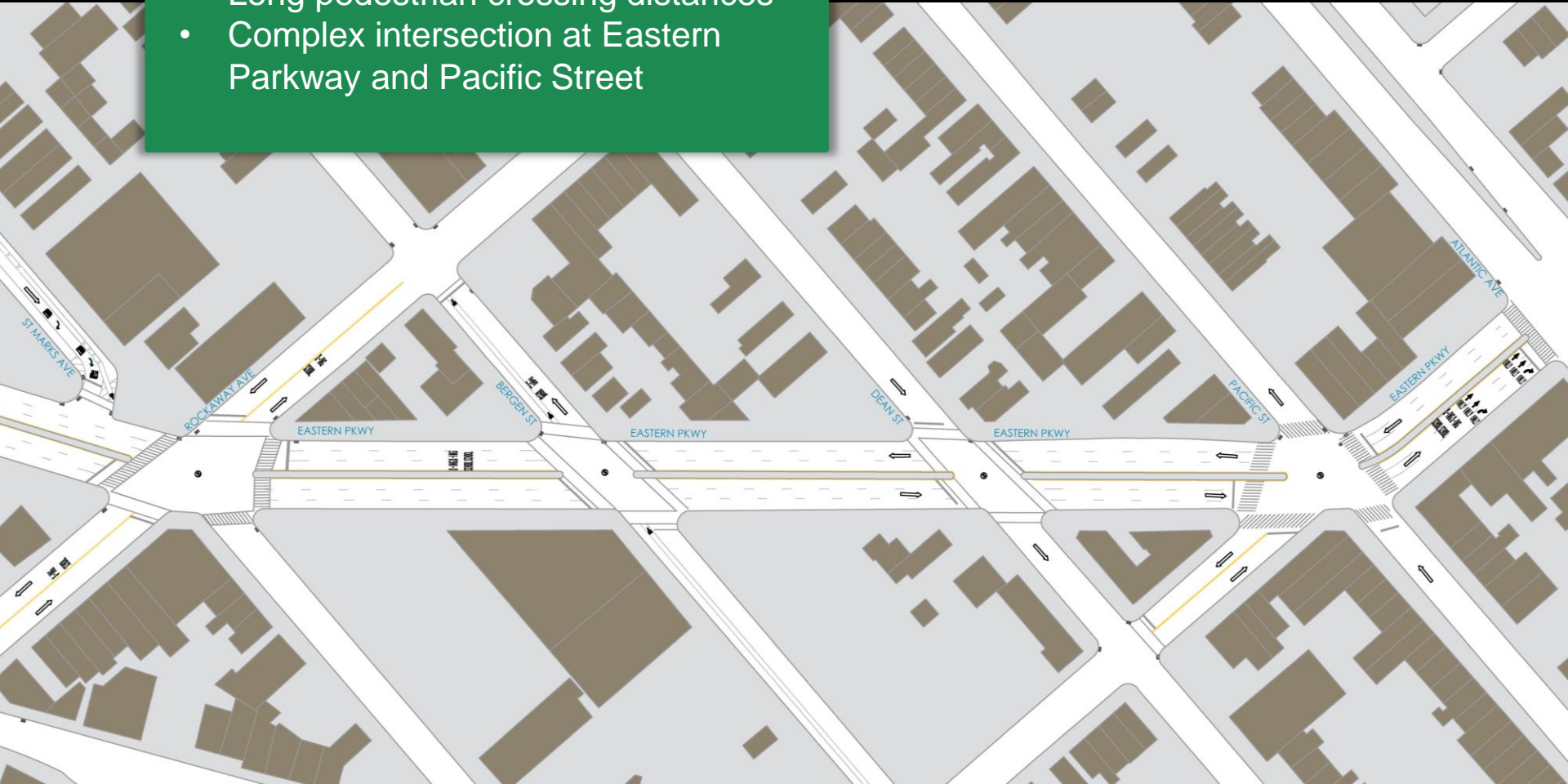
- One block from Rockaway Ave to E New York Ave on St. Marks Ave
- Connects and extends bike network



Existing Conditions

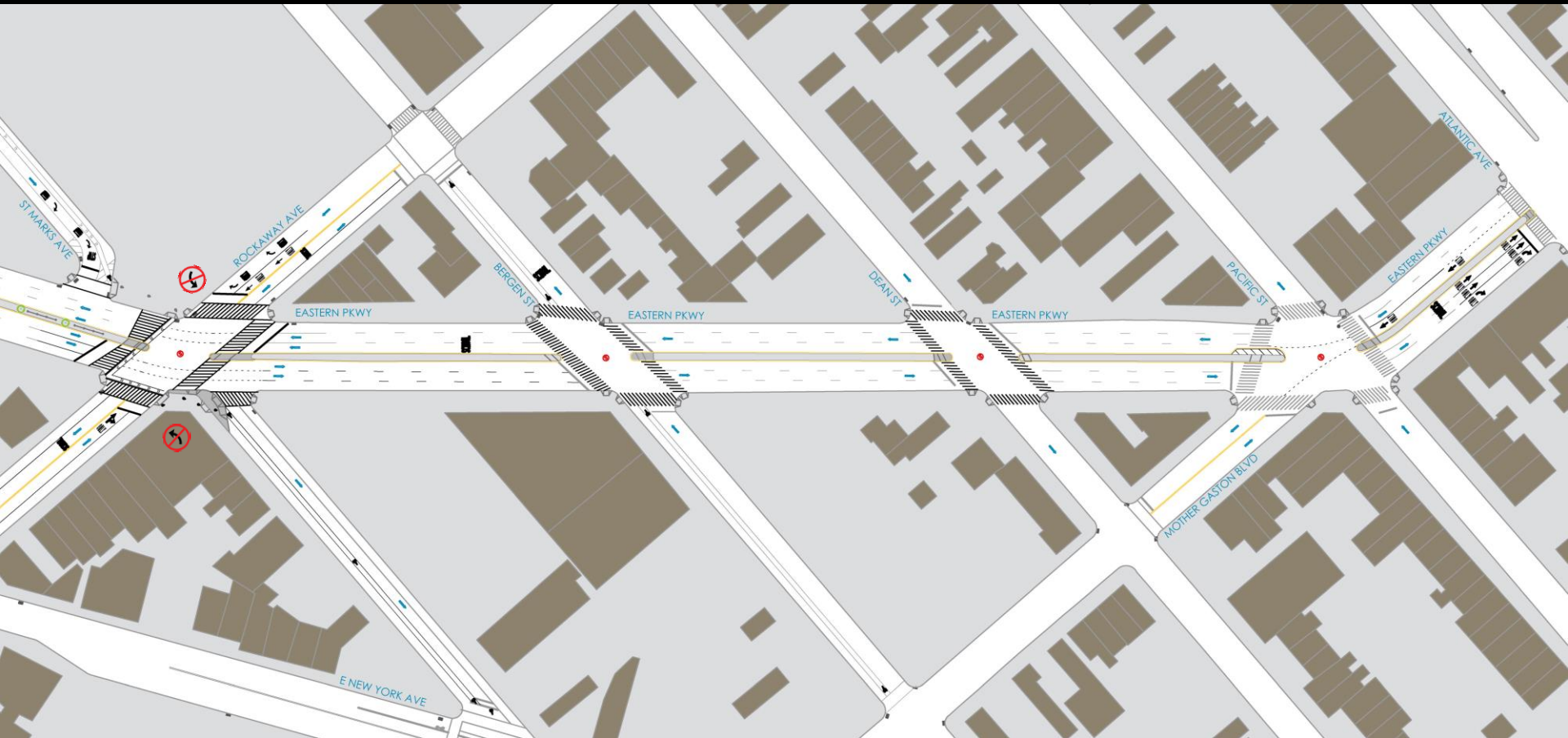
Rockaway Ave to Atlantic Ave

- Long pedestrian crossing distances
- Complex intersection at Eastern Parkway and Pacific Street



Proposal

Rockaway Ave to Atlantic Ave

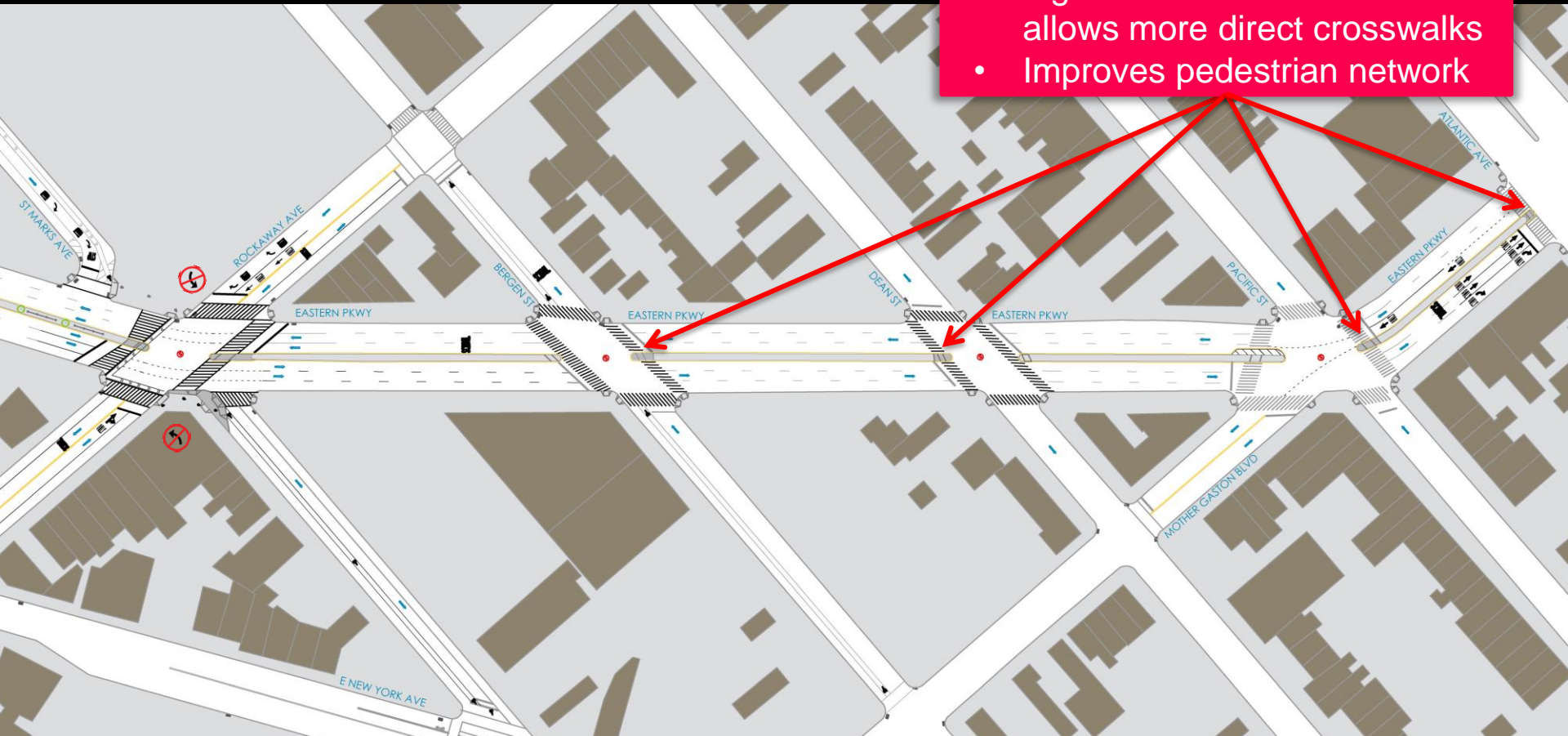


Proposal

Rockaway Ave to Atlantic Ave

Extended Pedestrian Safety Islands

- Reduces pedestrian crossing distances
- Provides refuge for pedestrians to cross road in stages
- Tightens intersection and allows more direct crosswalks
- Improves pedestrian network

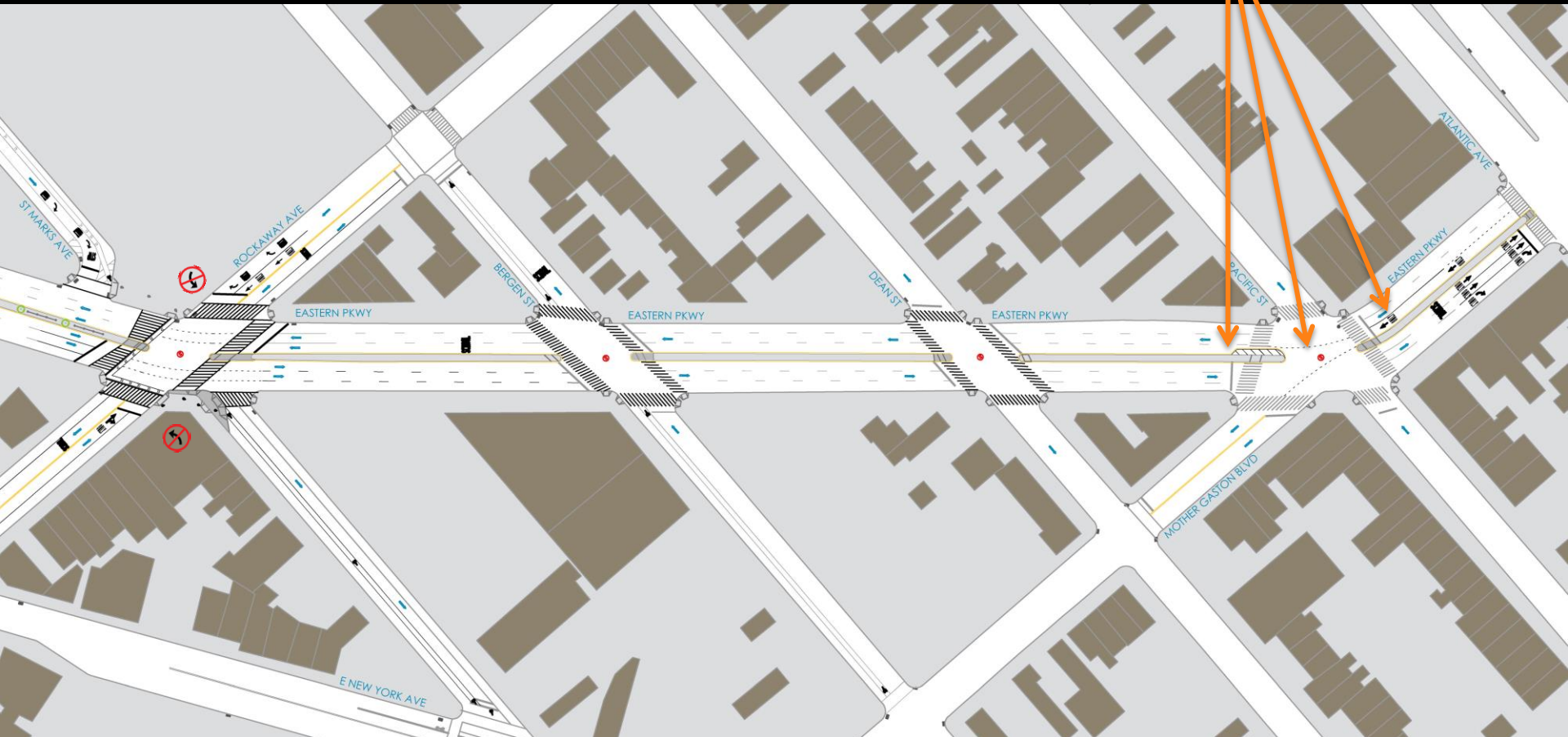


Proposal

Rockaway Ave to Atlantic Ave

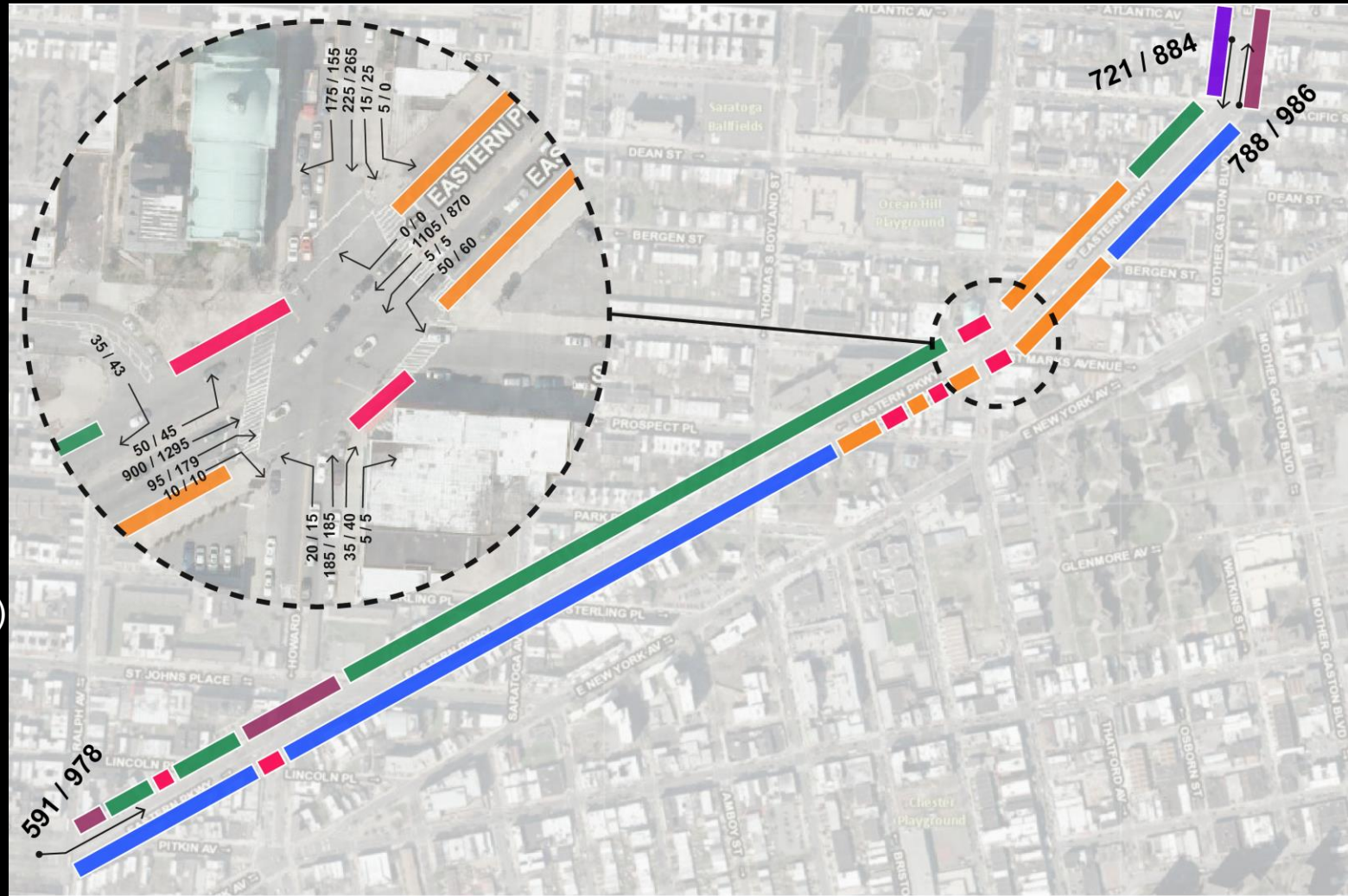
New Lane Markings / Channelization

- Guides drivers through the intersection



Existing Parking Regulations

- AM rush hour (8AM – 9AM) is inbound from Atlantic Ave (green zones)
- PM rush hour (6PM – 7PM) is outbound to Atlantic Ave (blue zones)
- There are some discrepancies (orange zones) between AM and PM rush hours



NO STANDING MON THRU FRI 7AM - 10AM

NO PARKING 4PM - 7PM MON THRU FRI

NO PARKING 7AM - 10AM / 4PM - 7PM
MON THRU FRI

NO STANDING ANYTIME

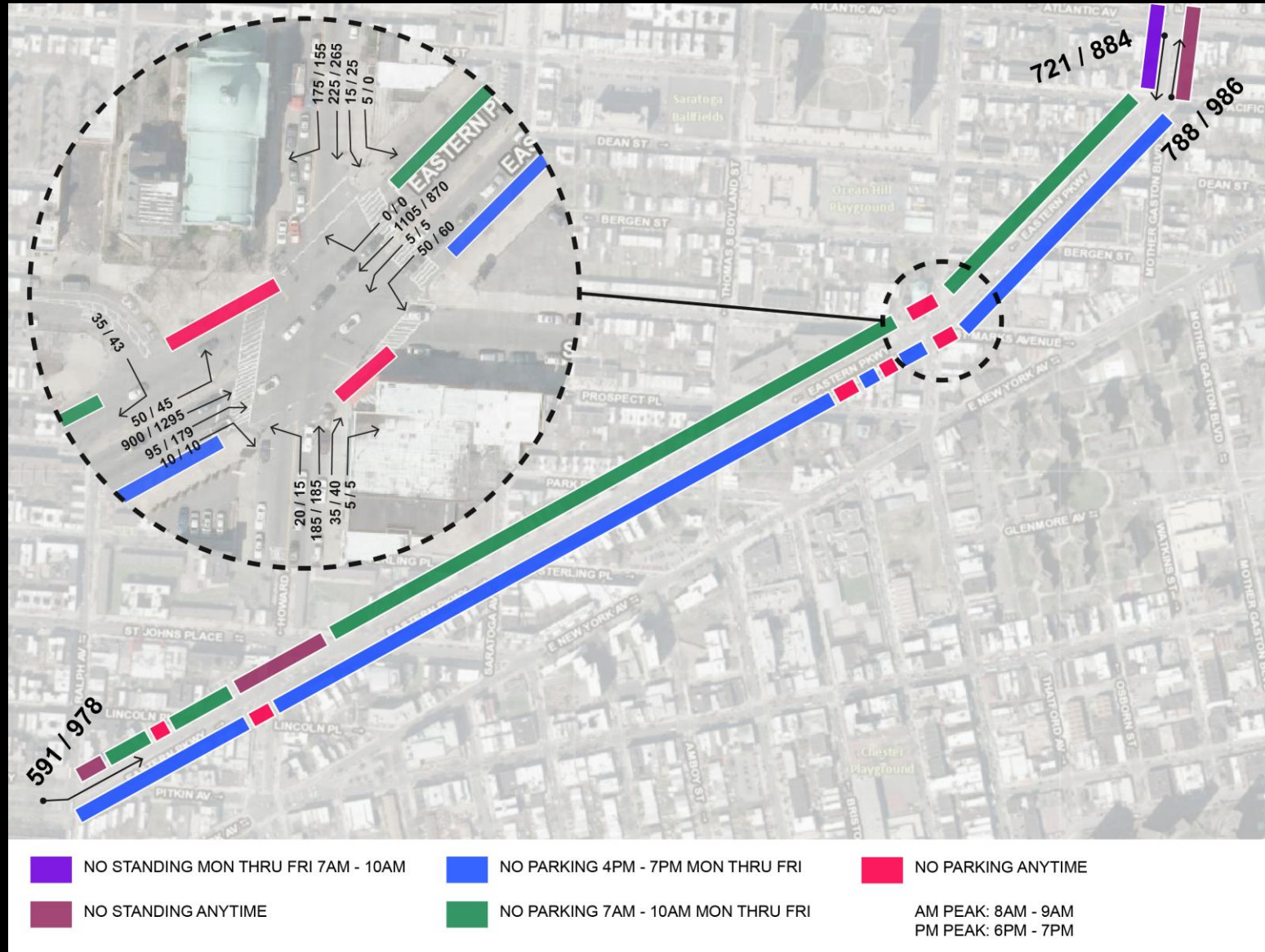
NO PARKING 7AM - 10AM MON THRU FRI

NO PARKING ANYTIME

AM PEAK: 8AM - 9AM
PM PEAK: 6PM - 7PM

Proposed Parking Regulations

- Eliminate dual regulations at intersection
- Move all AM regulations to north-side of Eastern Pkwy and PM regulations to south-side of Eastern Pkwy at intersection
- Change calms corridor by parking cars during off-peak hours
- Alterations cause no significant changes or loss of parking



Plan Summary

1. Add concrete pedestrian safety islands to median tips on Eastern Pkwy.
2. Concrete curb extension on St. Marks Ave and Rockaway Ave.
3. Expanded, high-visibility crosswalk on Eastern Pkwy.
4. Replant median trees on Eastern Pkwy.
5. Add median pedestrian fencing on Eastern Pkwy.
6. New leading pedestrian interval (LPI) signalization and right-turn lane on Rockaway Ave.
7. Ban southbound left-turn from Rockaway Ave to Eastern Pkwy and ban northbound left-turn from Rockaway Ave to Eastern Pkwy.
8. Remove Canarsie-bound B60 bus stop at Eastern Pkwy and Rockaway Ave to allow for new LPI.
9. New sidewalk bike stamps on north and south sides of Eastern Pkwy.
10. New bike crossing on Rockaway Ave across Eastern Pkwy.
11. New one-block bike lane on St. Marks Ave from Eastern Pkwy to E New York Ave.
12. New concrete pedestrian safety islands at Eastern Pkwy and Bergen St, Dean St, Pacific St and Atlantic Ave.
13. New channelization and southbound through only lane at intersection of Pacific St and Eastern Pkwy
14. Eliminate dual parking regulations at intersection: move AM regulations to north-side of Eastern Pkwy and PM regulations to south-side of Eastern Pkwy at intersection





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Thank
You