



OCEAN PKWY & CHURCH AVE

Intersection Safety Improvements

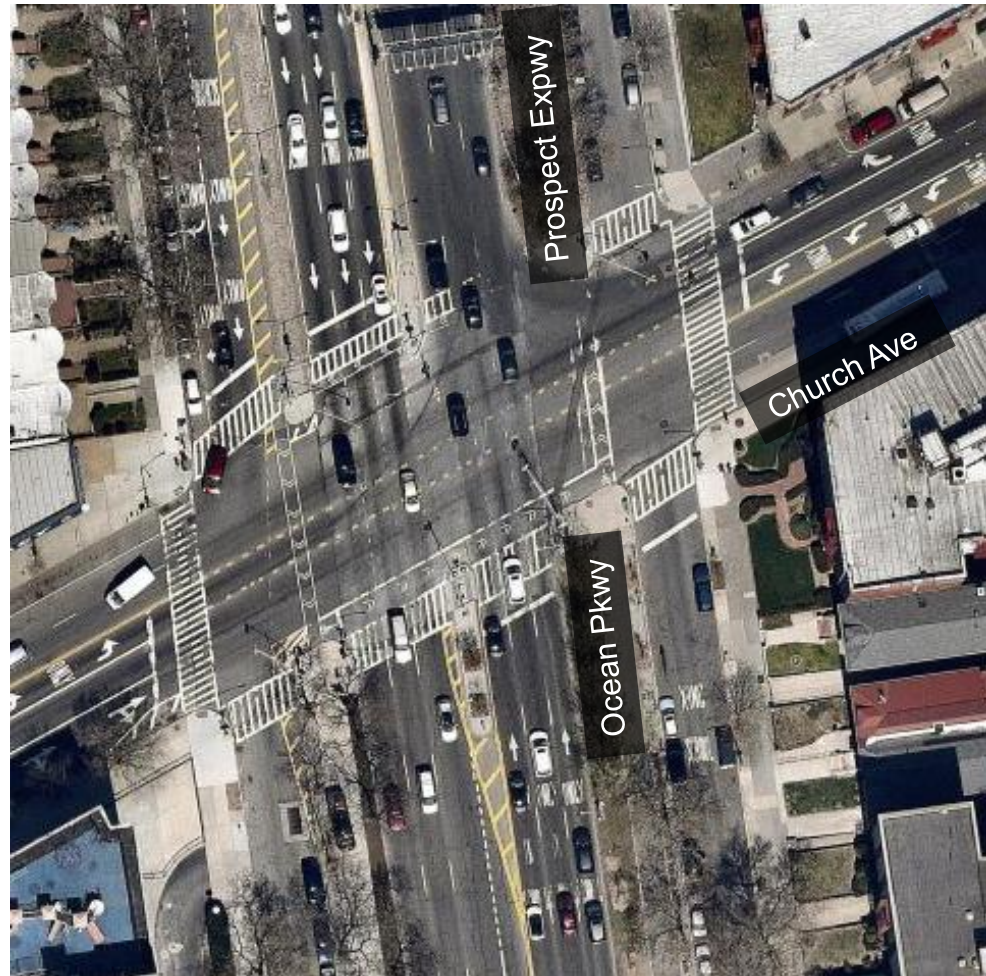
Community Board 12

March 26, 2019



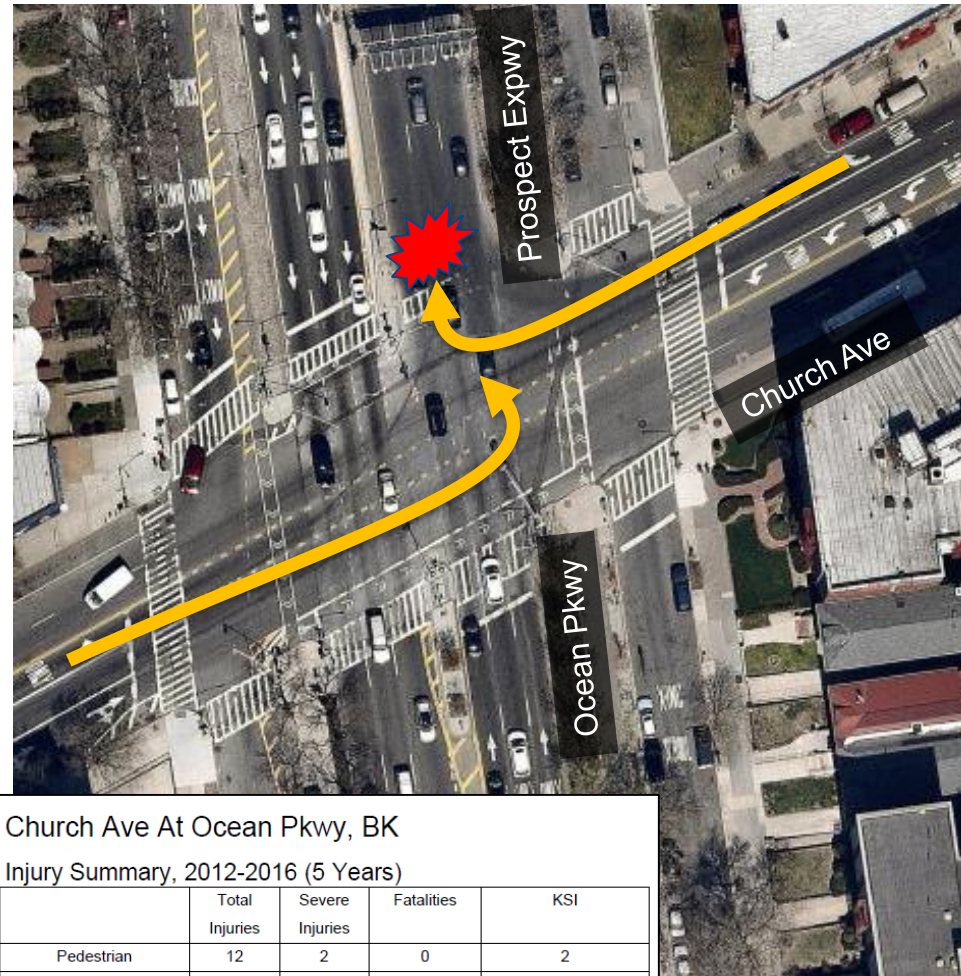
LOCATION

- Entrance to Prospect Expressway on north side of intersection
- Prospect Expressway and Church Ave are both through truck routes
- Ocean Parkway bicycle greenway on west median
- Substantial bus traffic
 - BM3, BM4 & B103 turn northbound onto Expressway
 - B35 bus travels along Church Ave in both directions



BACKGROUND

- Pedestrian fatally struck, February 2018, in north crosswalk
- Pedestrian fatalities in 2013 and 2008 at similar location
- Severe/moderate injury crashes resulting from pedestrian-vehicle conflicts in north crosswalk
- Town Hall meetings in April and November 2018 demonstrated strong community support for pedestrian improvements



Church Ave At Ocean Pkwy, BK
Injury Summary, 2012-2016 (5 Years)

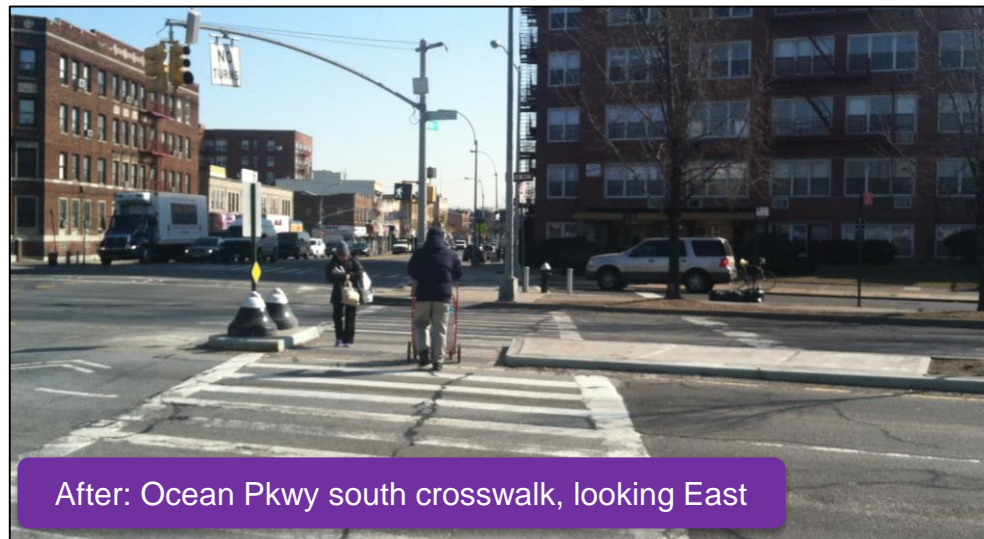
	Total Injuries	Severe Injuries	Fatalities	KSI
Pedestrian	12	2	0	2
Bicyclist	6	0	0	0
Motor Vehicle Occupant	85	0	0	0
Total	103	2	0	2

Fatalities, 01/01/2012-3/12/2018 : 2

Source: Fatalities: NYCDOT
Injuries: NYS DOT

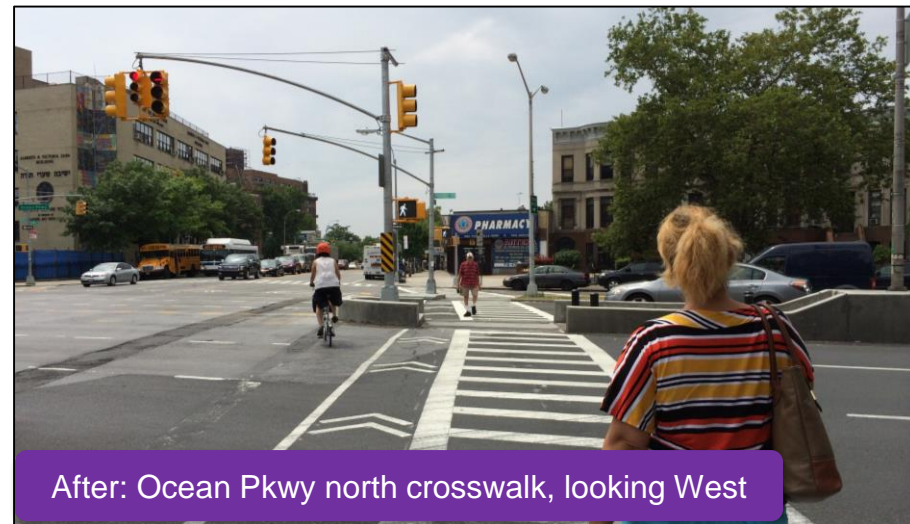
2010 PROJECT

- Added pedestrian safety island in the south crosswalk
- Upgraded pedestrian and bicycle markings at intersection
- Added pedestrian countdown signals



2013/2014 PROJECT

- Constructed pedestrian safety median in north crosswalk
- Added 10 second LPI for pedestrians crossing Ocean Pkwy/Prospect Expwy
- Added flashing yellow arrow for right turns from westbound Church Ave to northbound Prospect Expwy
- 35% reduction in injuries since project was completed in 2014



EXISTING CONDITIONS & ISSUES

Pedestrian– Vehicle Conflicts

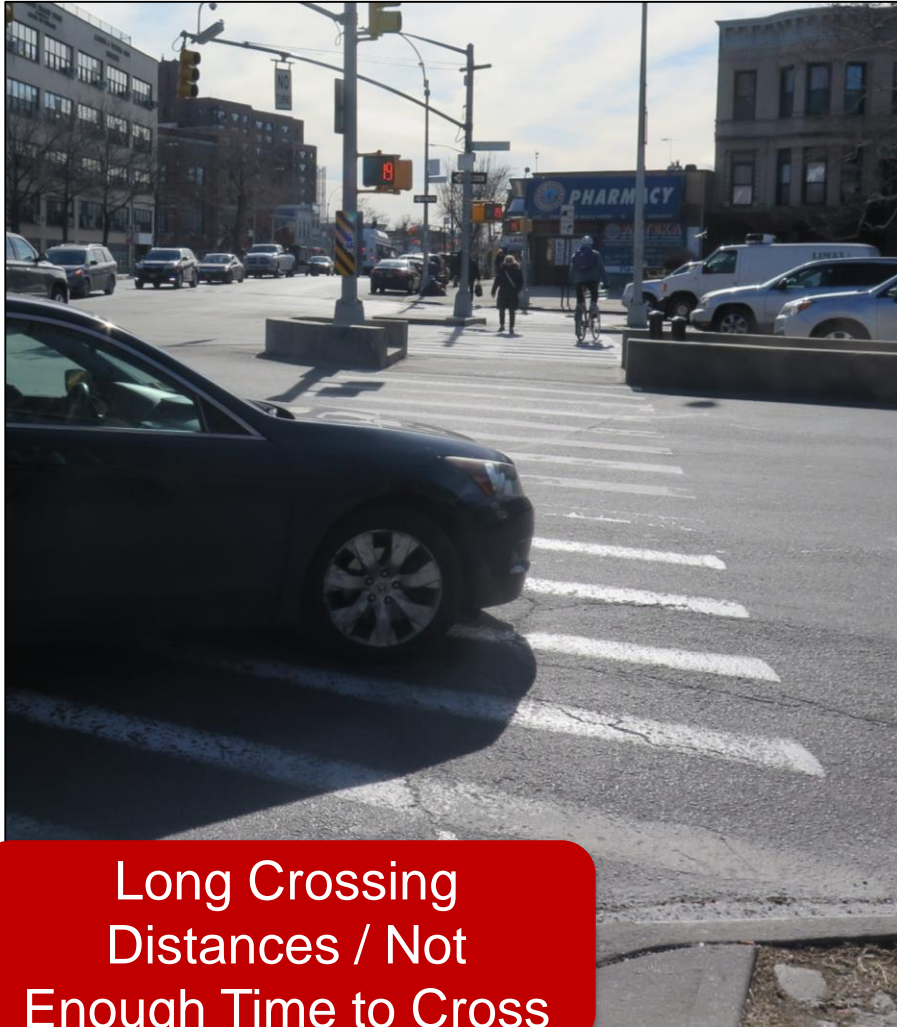


EXISTING CONDITIONS & ISSUES

Turning Vehicle Conflicts



EXISTING CONDITIONS & ISSUES



Long Crossing Distances / Not Enough Time to Cross

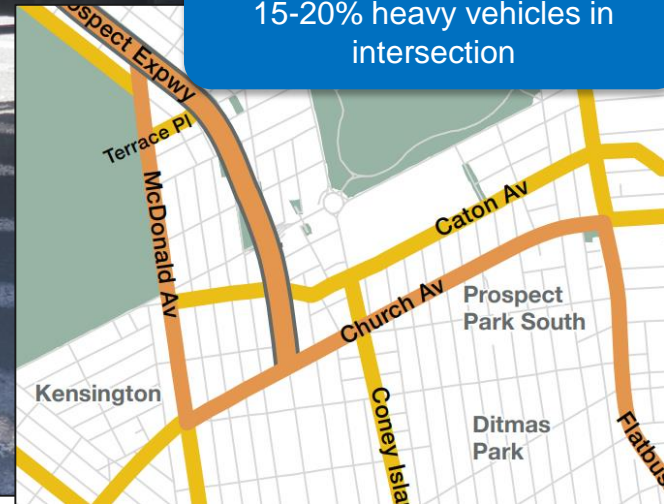


EXISTING CONDITIONS & ISSUES

Heavy
Vehicles



Through Truck Route
15-20% heavy vehicles in
intersection



SAFETY PROJECT GOALS

1. Simplify intersection, reduce conflicts for vehicles and pedestrians
2. Calm turns to northbound Prospect Expressway
3. Reduce the impacts of heavy vehicles
4. Shorten crossing distances / allow pedestrians more time to cross
5. Maximize safety benefits / minimize negative impacts on surrounding streets, community
6. Preserve and enhance sense of place, minimize highway-like design features



PROPOSAL



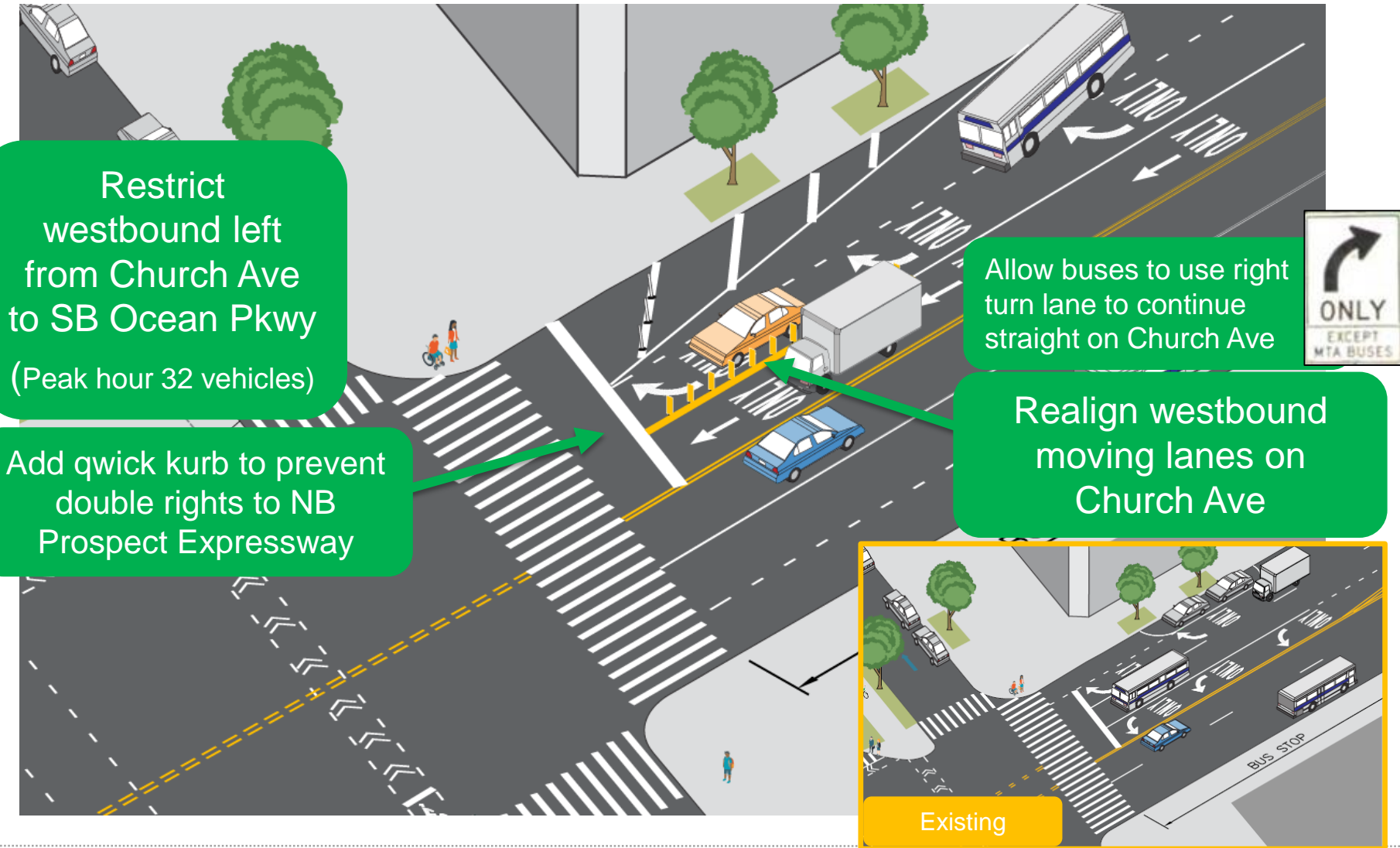
Markings Improvements

Painted Curb Extensions

Expand Concrete Medians

Signal Timing Changes

PROPOSAL – MARKINGS IMPROVEMENTS



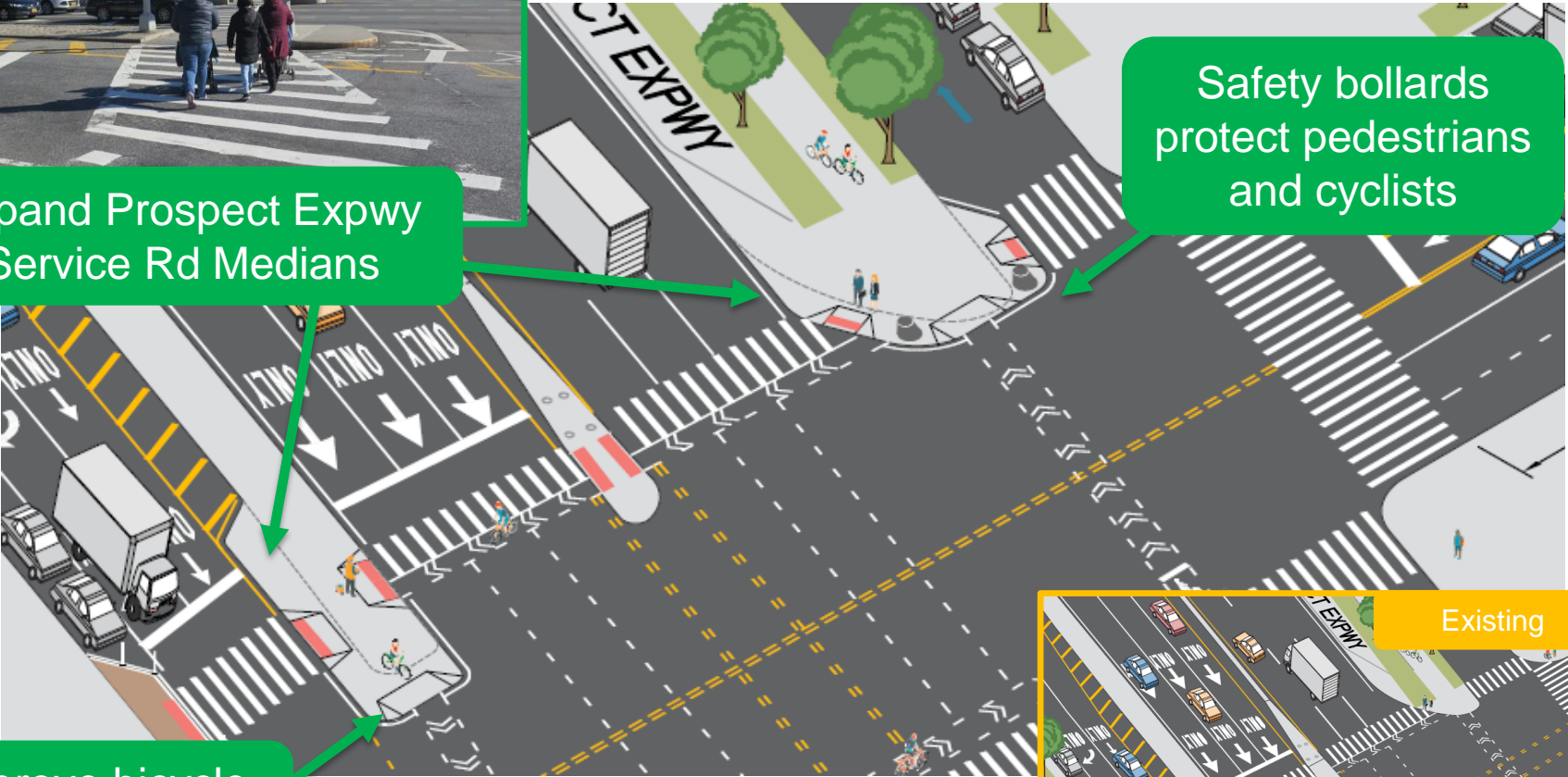
PROPOSAL – CONCRETE MEDIAN EXTENSIONS



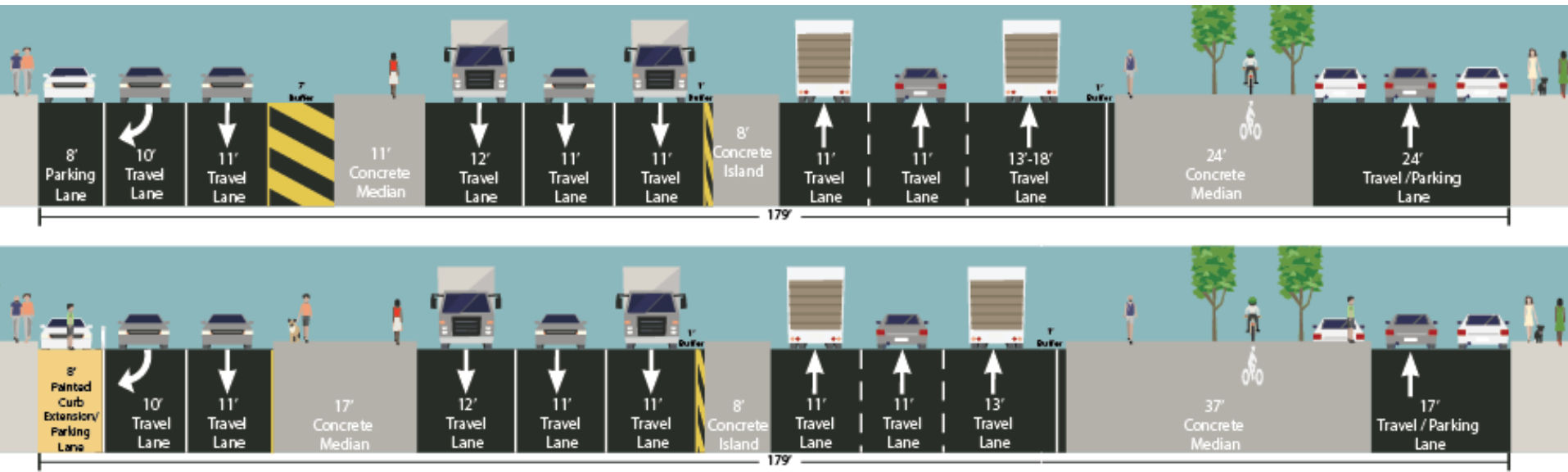
Expand Prospect Expwy
Service Rd Medians

Safety bollards
protect pedestrians
and cyclists

Improve bicycle
ramps



PROPOSAL – CONCRETE MEDIAN EXTENSIONS

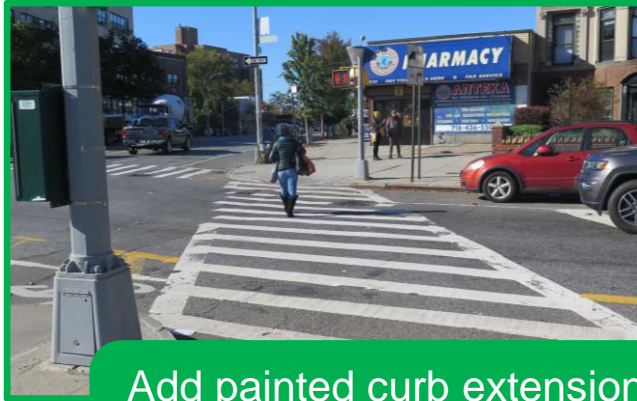


NW median expands from 10' to 17'

NE median expands from 30' to 37'



PROPOSAL – PAINTED CURB EXTENSION



Add painted curb extension to slow turns off of SB Ocean Pkwy Service Rd



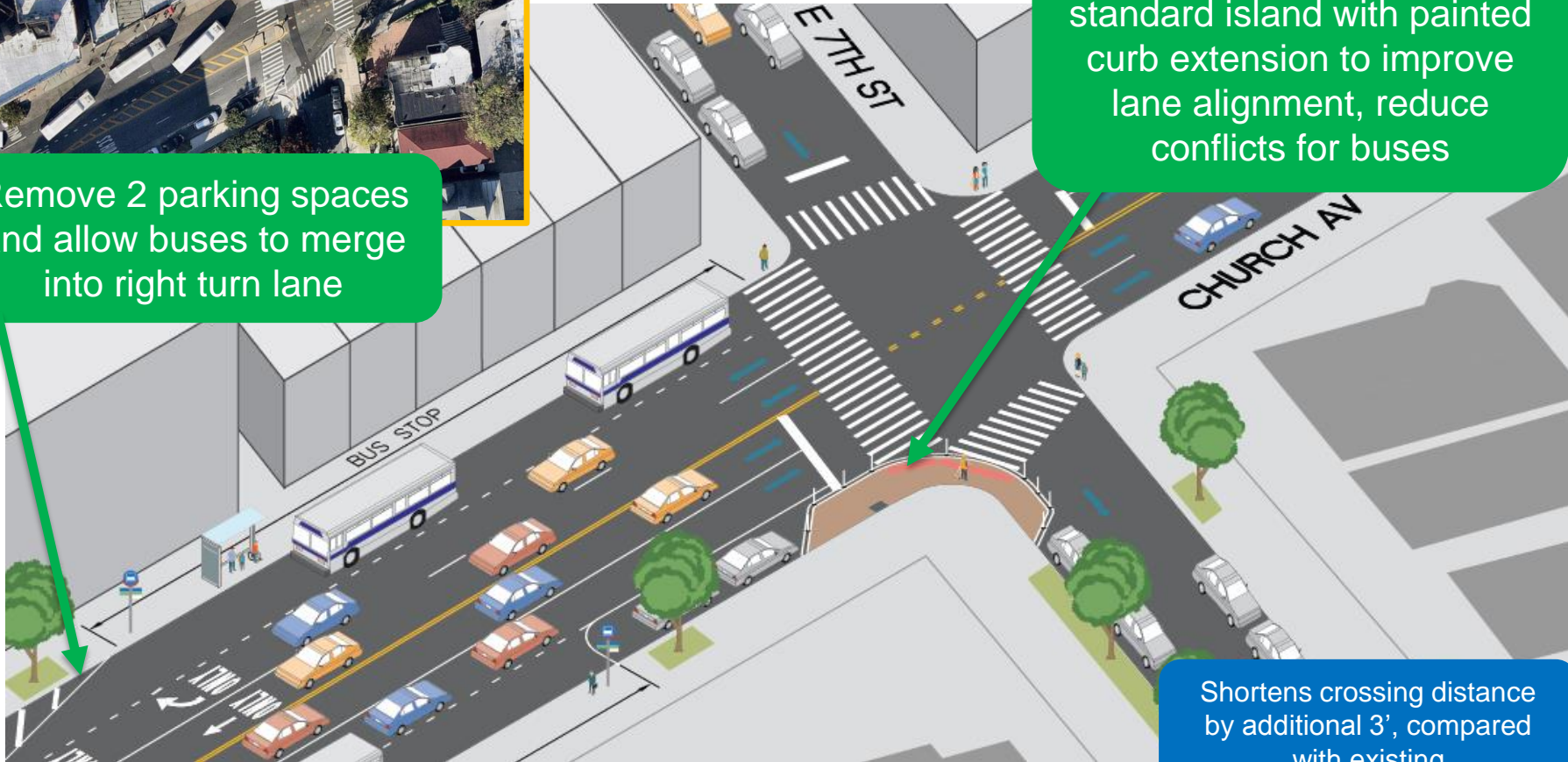
Existing

PROPOSAL – E 7TH ST / CHURCH AVE



Remove 2 parking spaces and allow buses to merge into right turn lane

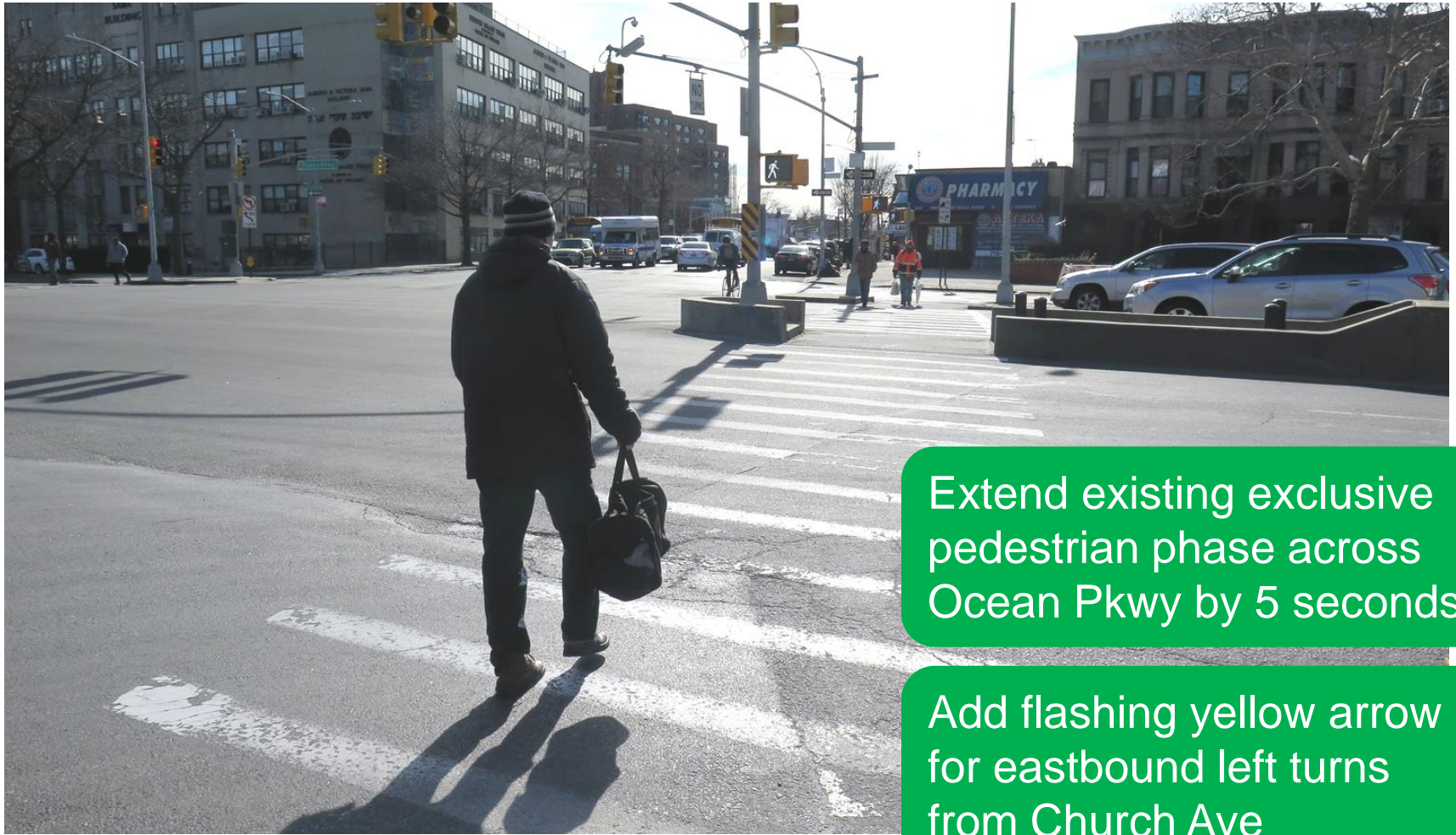
Replace existing sub-standard island with painted curb extension to improve lane alignment, reduce conflicts for buses



Shortens crossing distance by additional 3', compared with existing

***DOT studying partner project for additional bus improvements along Church Ave, to be presented in late Spring 2019**

PROPOSAL – SIGNAL TIMING



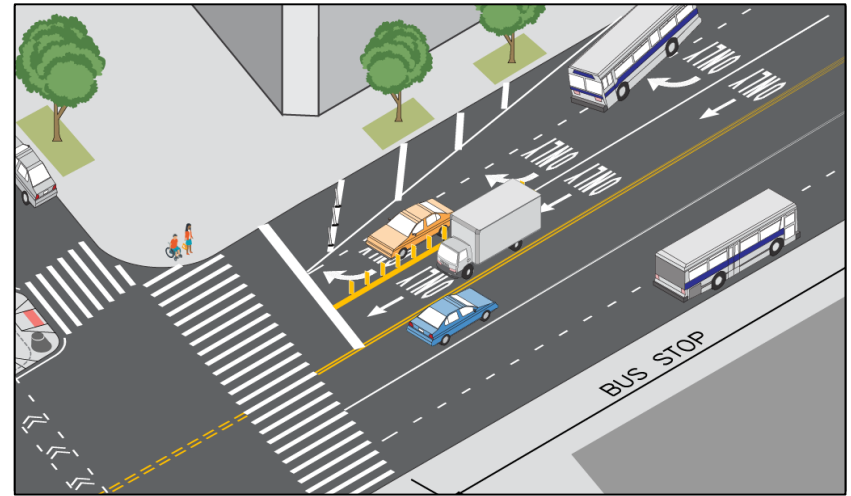
Extend existing exclusive pedestrian phase across Ocean Pkwy by 5 seconds

Add flashing yellow arrow for eastbound left turns from Church Ave

BENEFITS OF SAFETY PROPOSAL

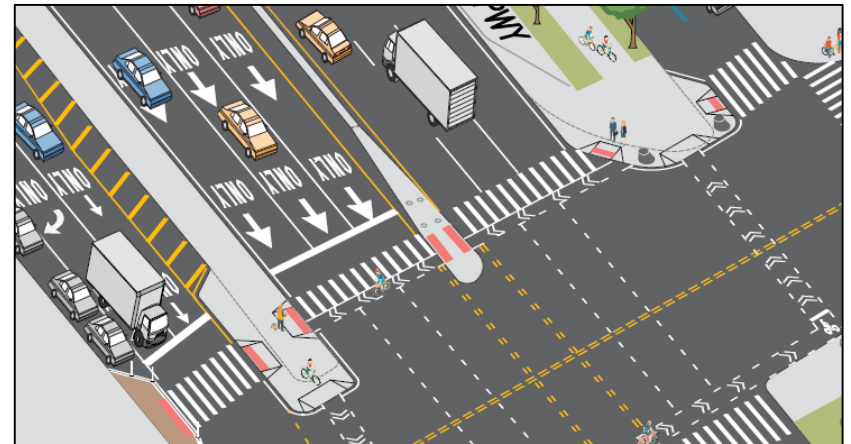
Markings Improvements & Lane Realignment

- Simplifies intersection by eliminating turning conflicts
- Prevents double turns from Church Ave to northbound Prospect Expwy
- Allows for expansion of concrete medians
- Clarifies moving lanes and provides more space for buses



Expanding Concrete Medians

- Shortens crossing distances for pedestrians, cyclists
- Provides more space to wait
- Encourages slower turns onto Prospect Expwy
- Improves bicycle facilities and reduces conflicts between pedestrians and cyclists



BENEFITS OF SAFETY PROPOSAL

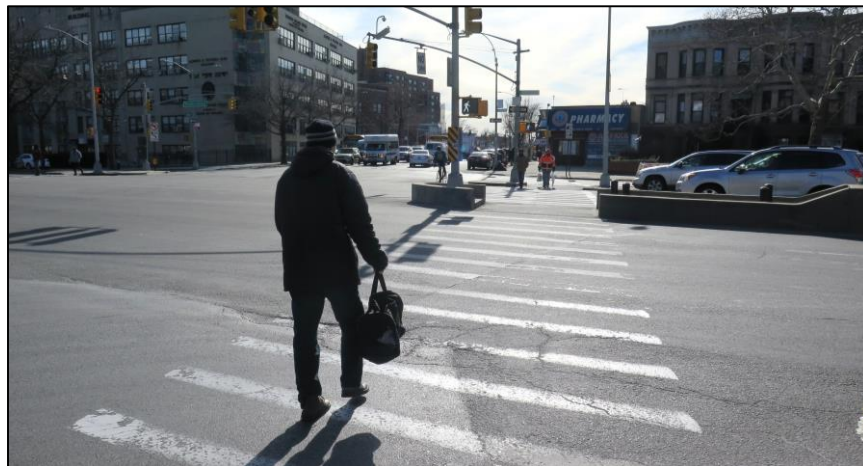
Painted Curb Extensions

- Shortens crossing distances
- Encourages slower, safer turns, yielding to pedestrians
- Minimal parking loss, ~6 spaces



Signal Timing & Signage

- Increases protected crossing time for pedestrians and cyclists
- Maximizes benefits for pedestrians while preserving safety on local streets
- Clarifies vehicle movements
- Discourages speeding



THANK YOU!

Questions?



NYC DOT



NYC DOT



nyc_dot



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