



OCEAN PKWY & CHURCH AVE

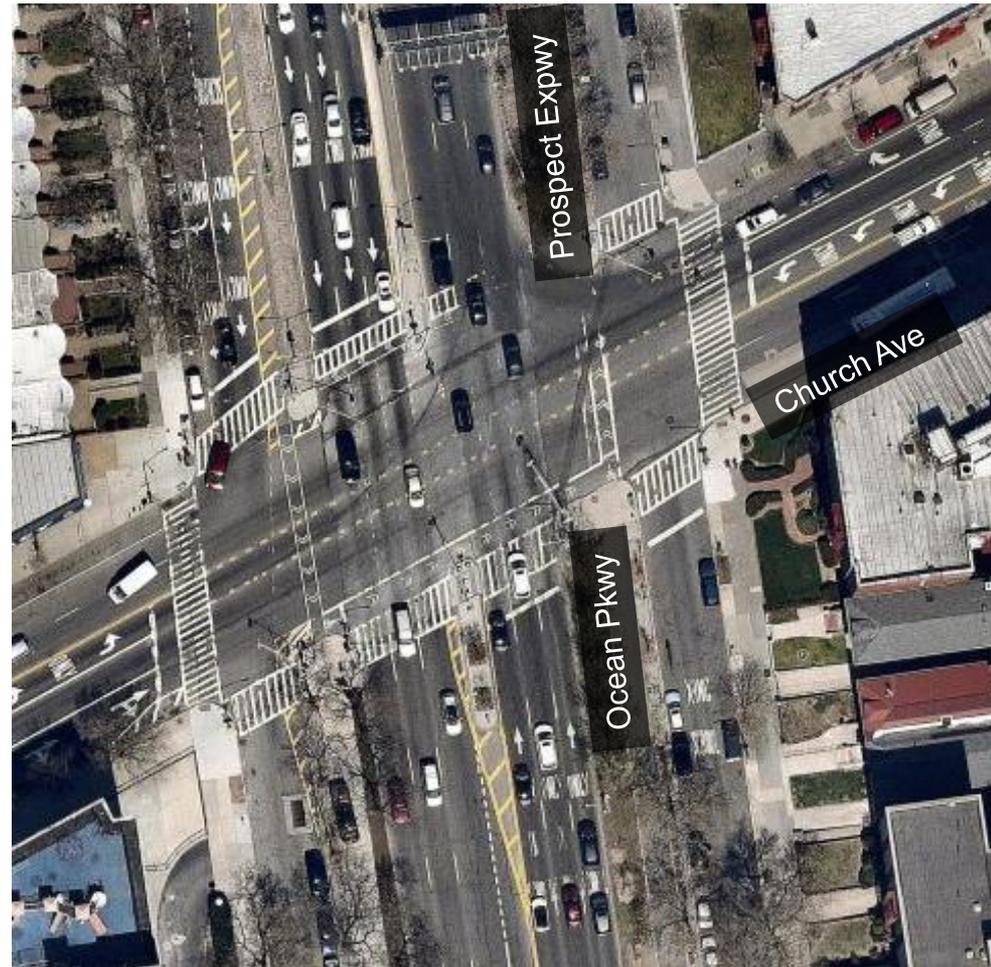
Intersection Safety Improvements

Fall 2018



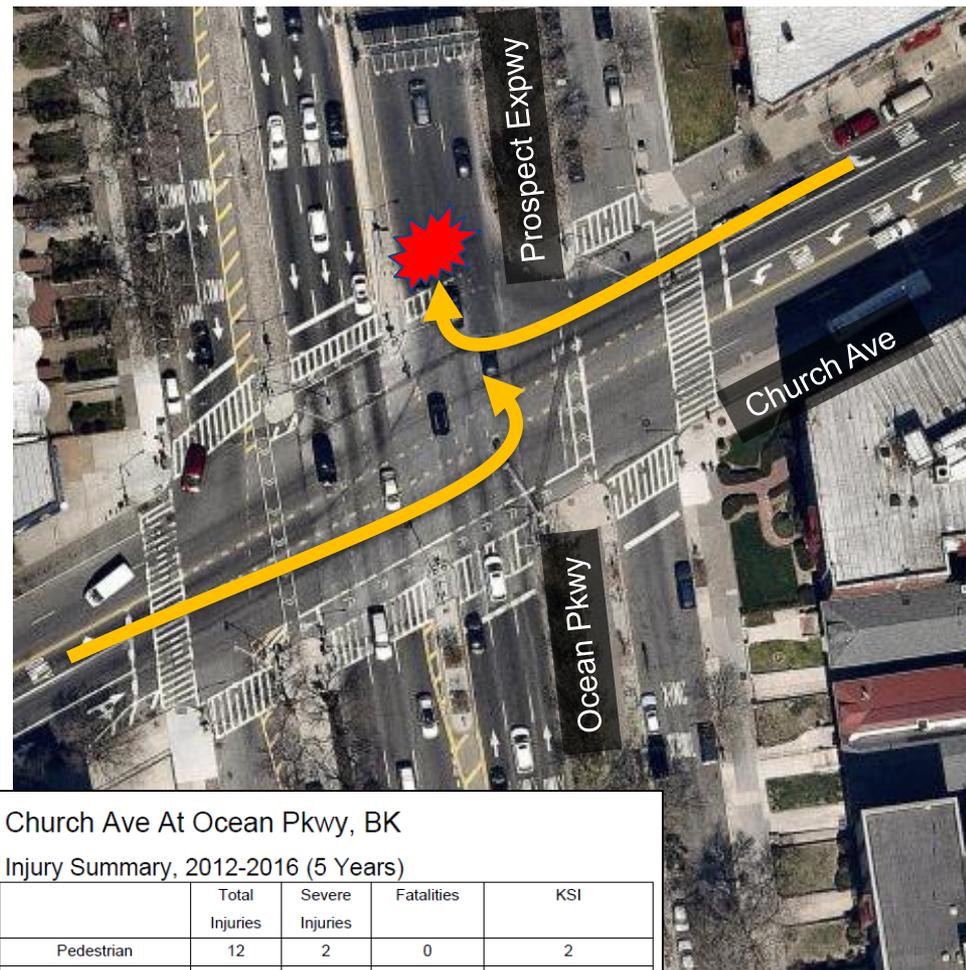
LOCATION

- 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 onto Expressway



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 meeting in April demonstrated strong community support for pedestrian improvements



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

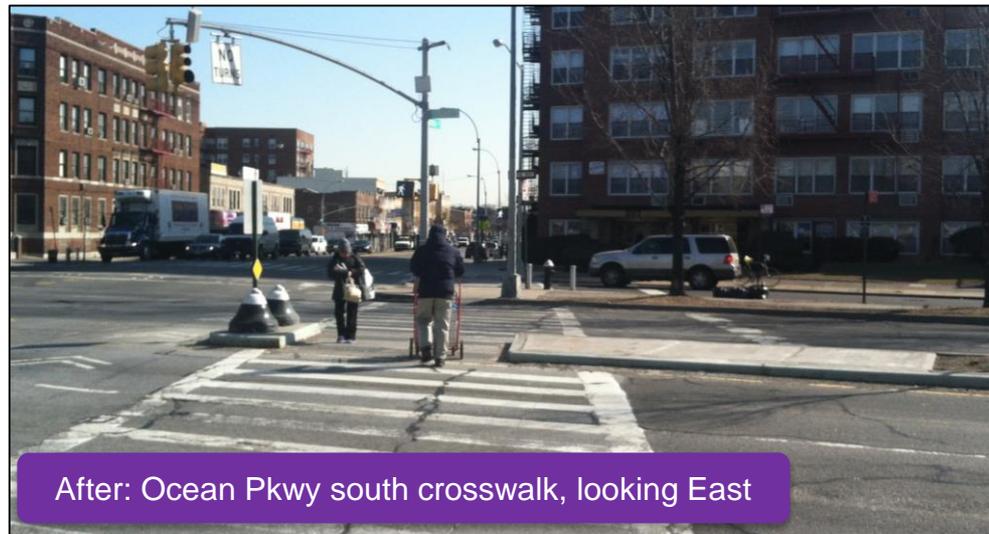
	Total Injuries	Severe Injuries	Fatalities	KSI
Pedestrian	12	2	0	2
Bicyclist	6	0	0	0
Motor Vehicle Occupant	85	0	0	0
Total	103	2	0	2

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

Source: Fatalities: NYCDOT
Injuries: NYSDOT

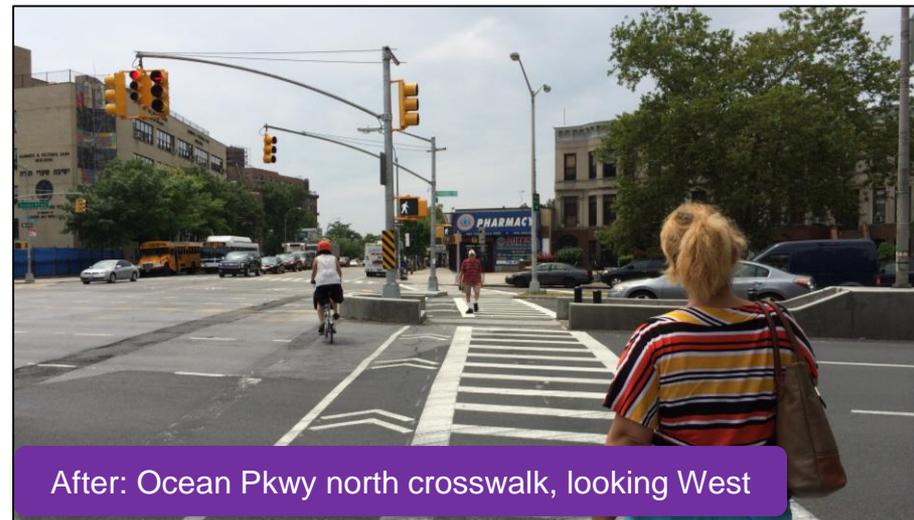
2010 PROJECT

- 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

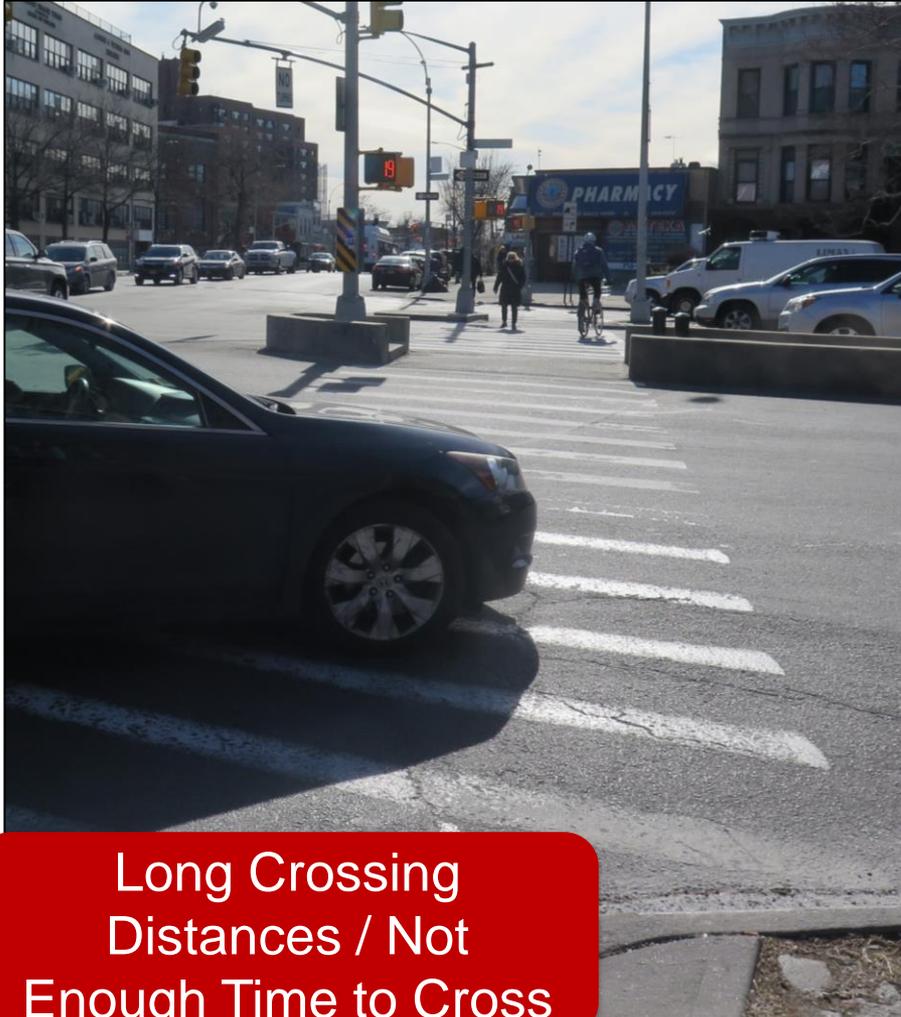


EXISTING CONDITIONS & ISSUES

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



SHORT TERM IMPROVEMENTS

Since the April 2018 Town Hall Meeting:

- Updated and added additional on-street signage to discourage speeding
- Refurbished and upgraded intersection markings
- Reviewed signage on Prospect Expressway with NYSDOT
- Multiple on-site meetings with NYCDOT / NYSDOT planners and engineers



PROPOSAL



Markings Improvements

Painted Curb Extensions

Expand Concrete Medians

Signal Timing Changes

PROPOSAL – MARKINGS IMPROVEMENTS

Realign westbound moving lanes on Church Ave

Restrict westbound from Church Ave to SB Ocean Pkwy
(Peak hour 32 vehicles)

Add quick kurb to prevent double rights to NB Prospect Expressway



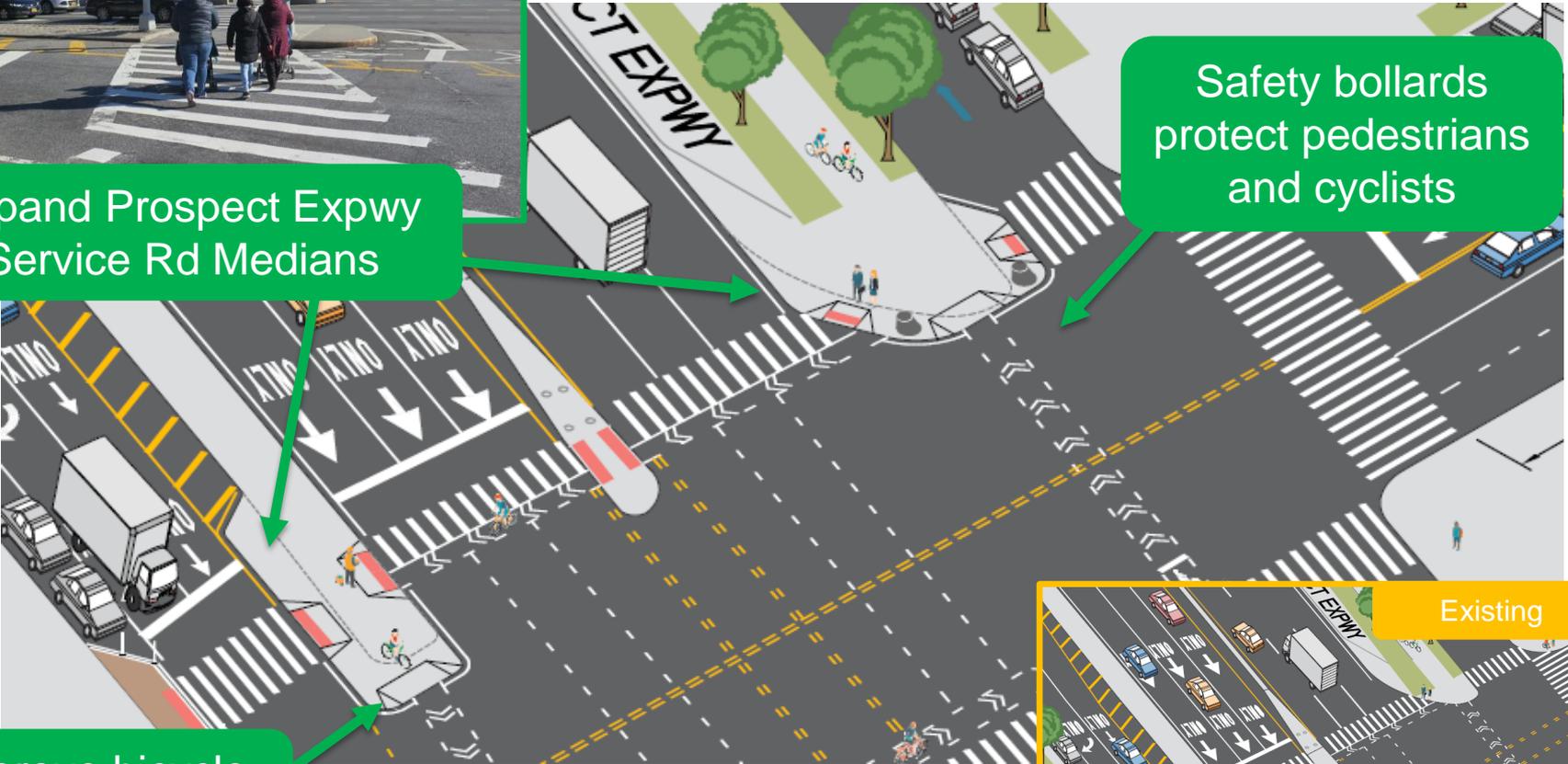
PROPOSAL – CONCRETE MEDIAN EXTENSIONS



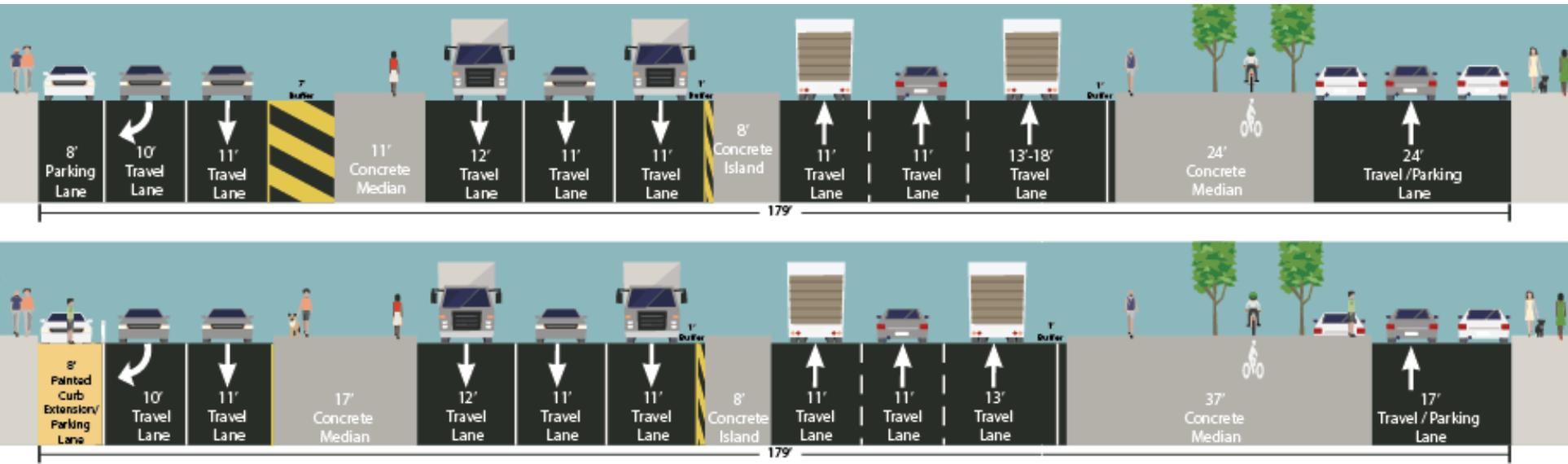
Expand Prospect Expwy Service Rd Medians

Safety bollards protect pedestrians and cyclists

Improve bicycle ramps



PROPOSAL – CONCRETE MEDIAN EXTENSIONS

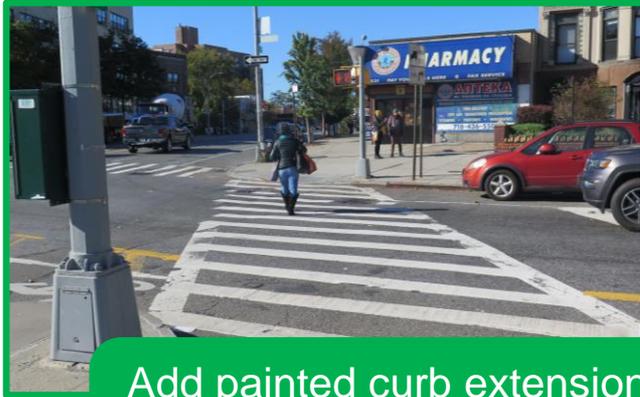


NW median expands from 10' to 17'

NE median expands from 30' to 37'



PROPOSAL – PAINTED CURB EXTENSION



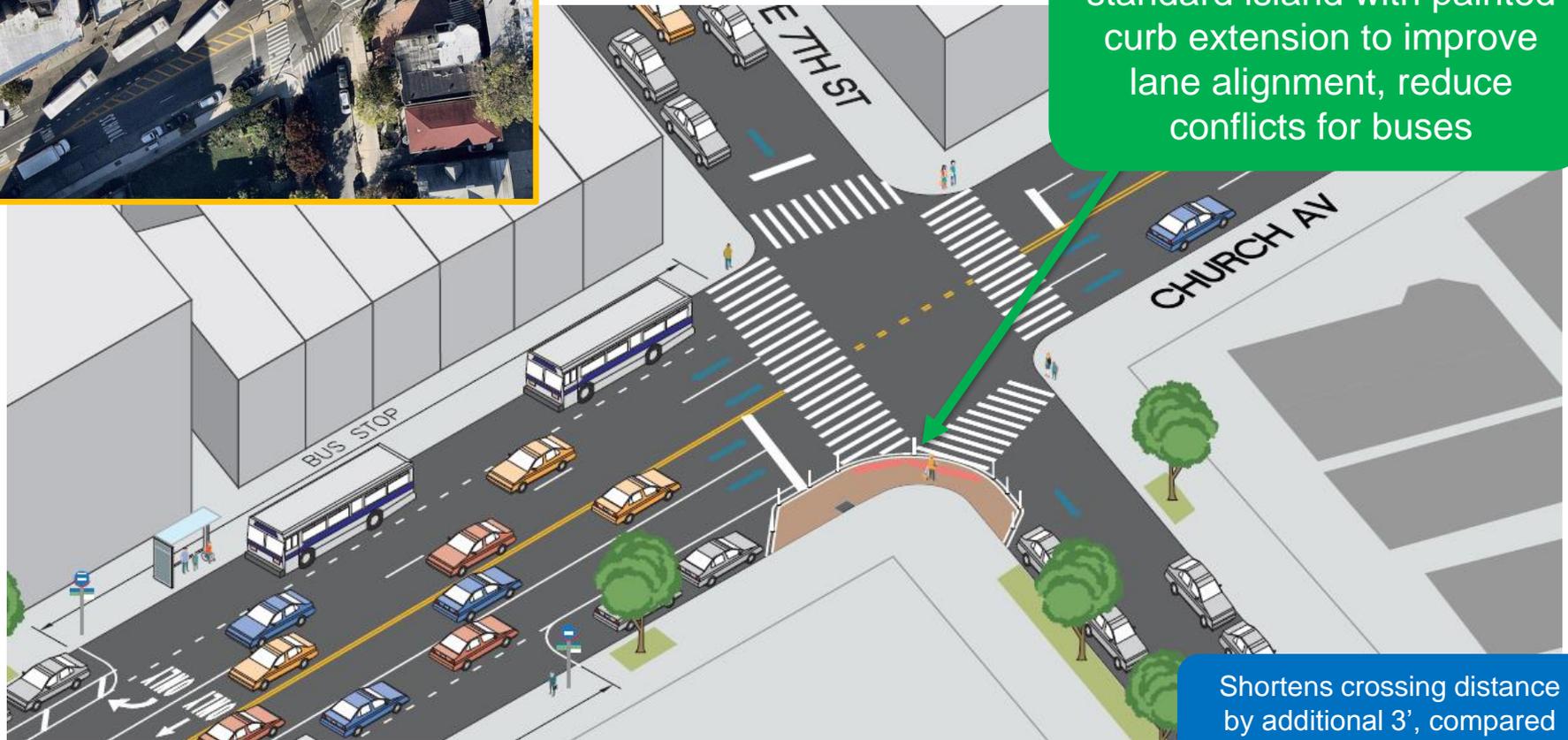
Add painted curb extension to slow turns off of SB Ocean Pkwy Service Rd



Existing

PROPOSAL – E 7TH ST / CHURCH AVE

Existing

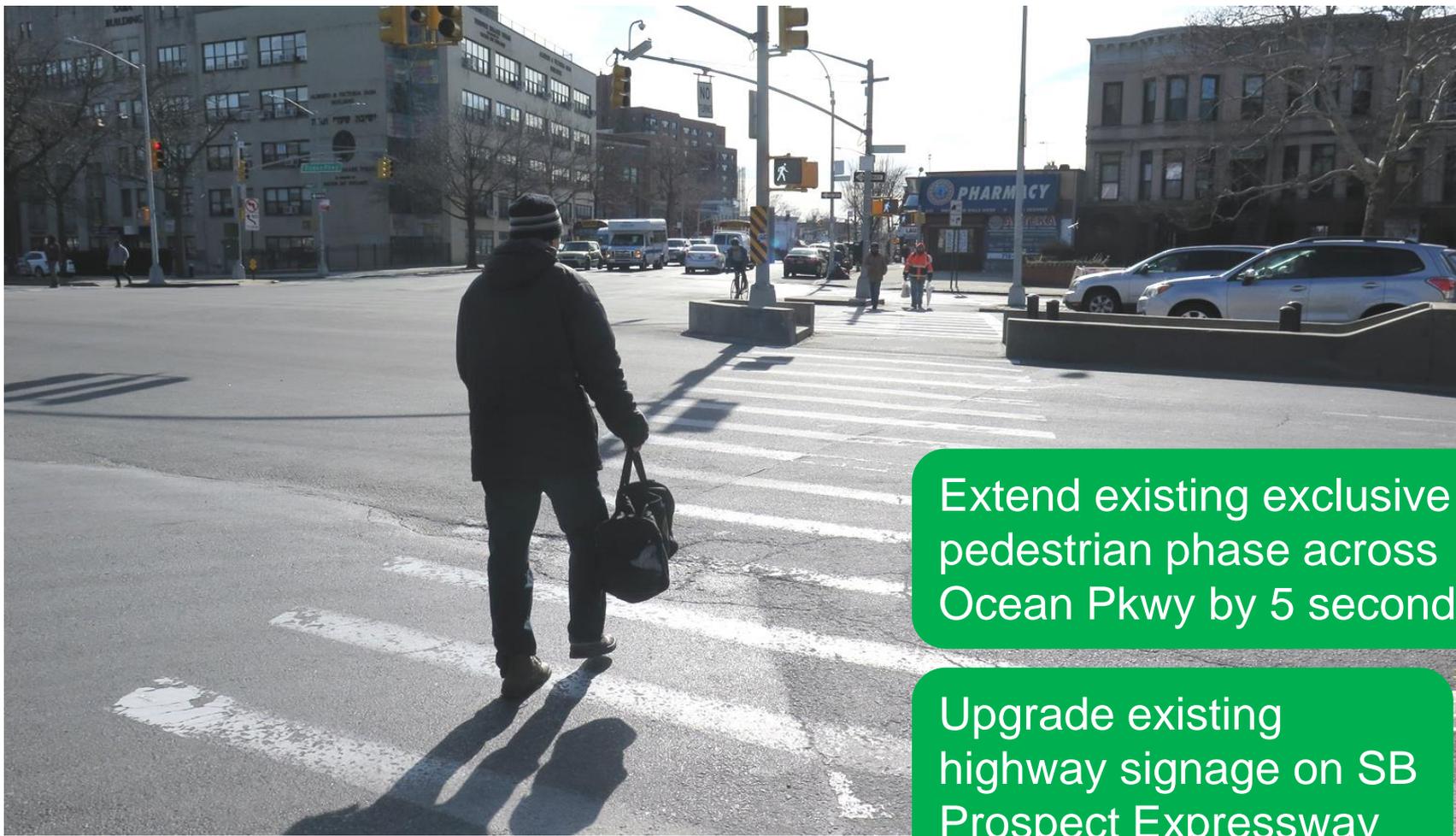


Replace existing sub-standard island with painted curb extension to improve lane alignment, reduce conflicts for buses

Shortens crossing distance by additional 3', compared with existing

*investigating additional bus improvements, markings

PROPOSAL – SIGNAL TIMING & SIGNAGE



Extend existing exclusive pedestrian phase across Ocean Pkwy by 5 seconds

Upgrade existing highway signage on SB Prospect Expressway

BENEFITS OF SAFETY PROPOSAL

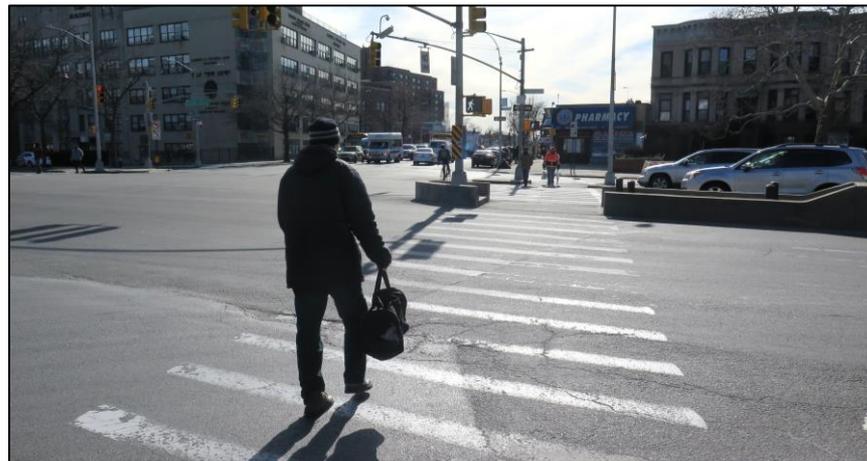
Painted Curb Extensions

- Shortens crossing distances
- Encourages slower, safer turns, yielding to pedestrians
- Minimal parking loss, ~4 spaces



Signal Timing & Signage

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



TIMELINE / NEXT STEPS

Fall / Winter 2018

- Community outreach, feedback

Spring / Summer 2019

- Begin construction on safety improvements



THANK YOU!

Questions?



NYC DOT



NYC DOT



nyc_dot



NYC DOT