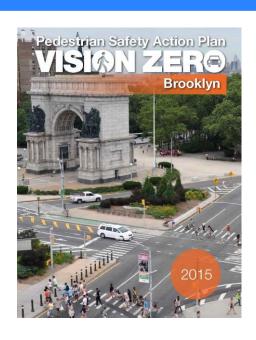


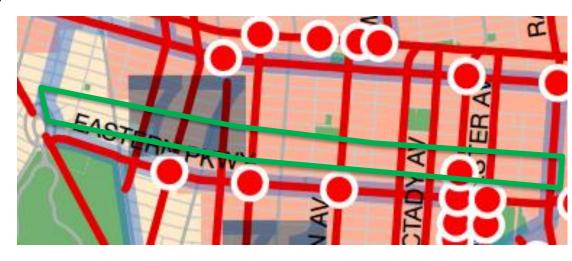
#### Vision Zero Priority Corridors / Areas

#### Vision Zero

- Multi-agency effort to reduce traffic fatalities in NYC
- Borough Action Plans released in 2015
- Priority Intersections, Corridors, and Areas identified
  - St Johns Pl & Sterling Pl are in a Priority Area for Brooklyn. St. Johns Pl & Utica Ave is a priority intersection.





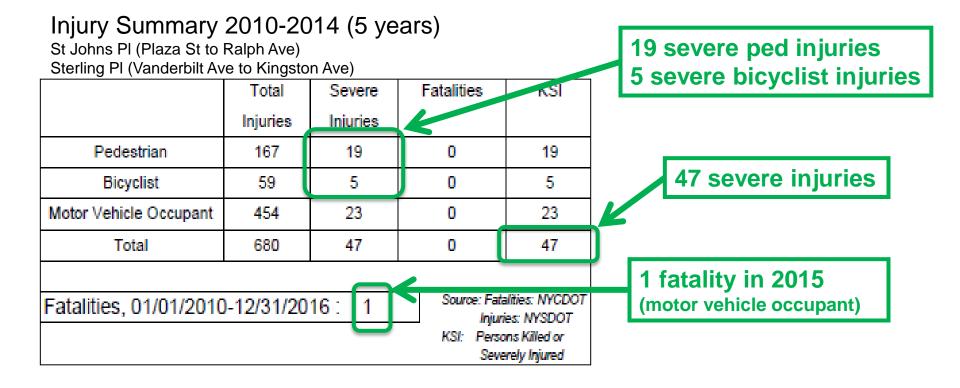


- Residential and commercial land use
- St. Johns Pl. is wide, two-way street (50 ft.) for majority of project area
- Existing bicycle routes (Vanderbilt Ave, Plaza St. E., Washington Ave, Classon Ave, Franklin Ave, Bedford Ave, Brooklyn Ave, Kingston Ave)
- B45 bus runs on St. Johns Pl. and Sterling Pl.



#### Safety Data: Project Need

- 680 total injuries in project area
- Severe injuries concentrated in areas where street widens to 50 ft.
- Radar speeds show up to 47% of cars traveling over speed limit
- 31.5 % of motor vehicle crashes are rear-end crashes



#### Safety Data: Utica Ave. & St. Johns Pl.

- Vision Zero Priority Intersection with <u>7 pedestrian severe injuries</u>
  - 3<sup>rd</sup> highest number of pedestrian severe injuries at a single intersection in BK
  - Majority of pedestrians injured were crossing with the signal in their favor

#### St Johns PI At Utica Ave, BK

Injury Summary, 2010-2014 (5 Years)

	Total Injuries	Severe Injuries	Fatalities	KSI
Pedestrian	19	7	0	7
Bicyclist	1	0	0	0
Motor Vehicle Occupant	34	0	0	0
Total	54	7	0	7

19 pedestrian injuries 7 severe ped injuries

Fatalities, 01/01/2010-11/30/2015: None

Source: Fatalities: NYCDOT

KSI: Persons Killed or Severely Injured

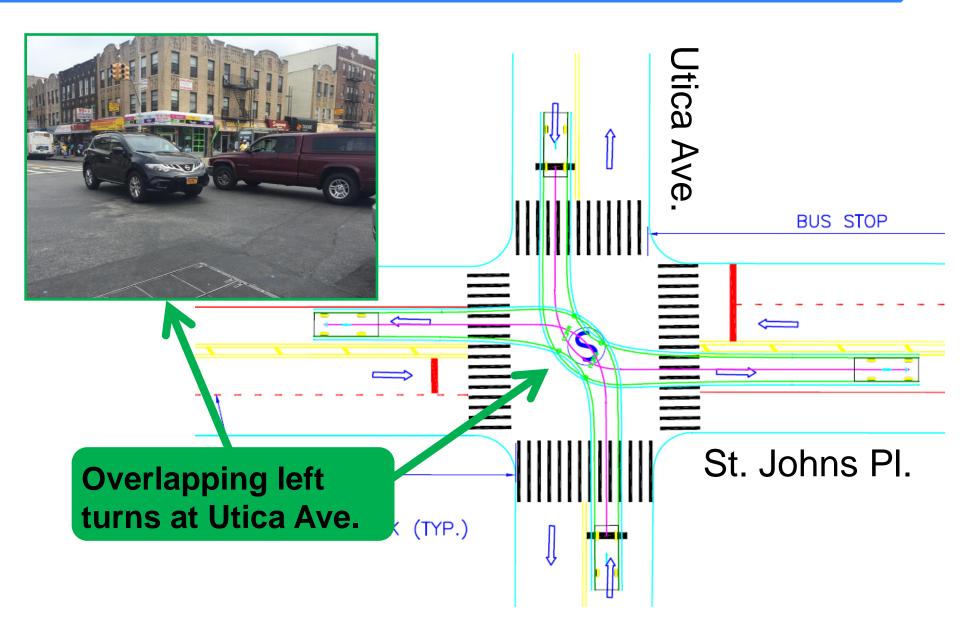
#### Existing: Utica Ave & St. Johns Pl

- Long crossing distances
- Busy transfer point between B45 (St. Johns) and B46 (Utica) buses
- High pedestrian volumes, especially crossing St. Johns Pl.
- Conflicts between left turning vehicles



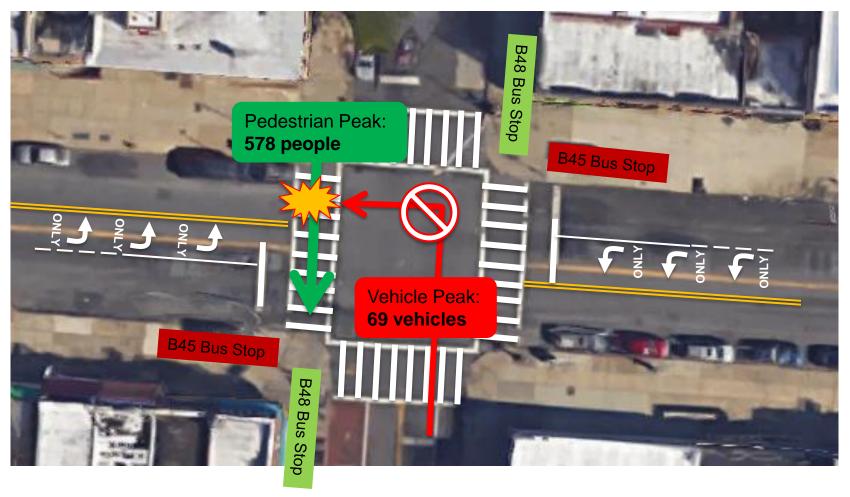


#### Left Turn Conflicts: Utica Ave & St. Johns Pl

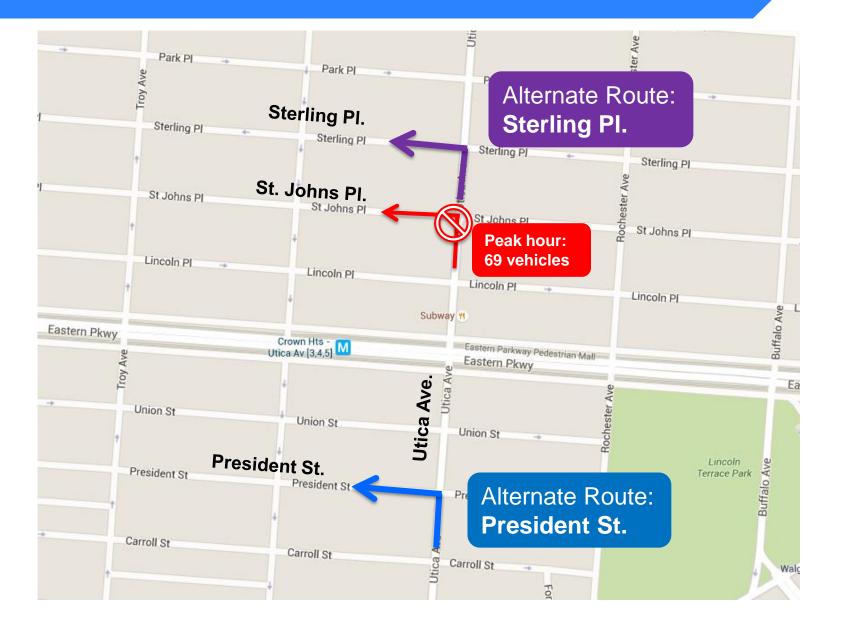


#### Proposal: St. Johns Pl. and Utica Ave

- Add turn bays on St. Johns Pl. for EB and WB lefts onto Utica Ave.
- Restrict NB left turns from Utica Ave. to WB St. Johns Pl. (69 vehicles at peak)
- No parking loss



# Proposal: Alternate Routes

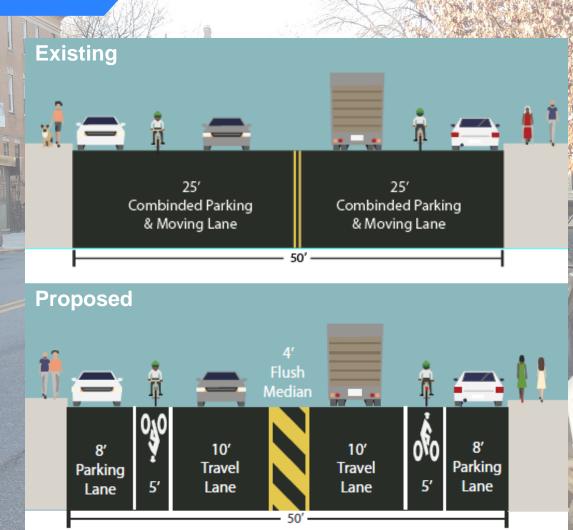






1 Ralph Ave. to New York Ave.

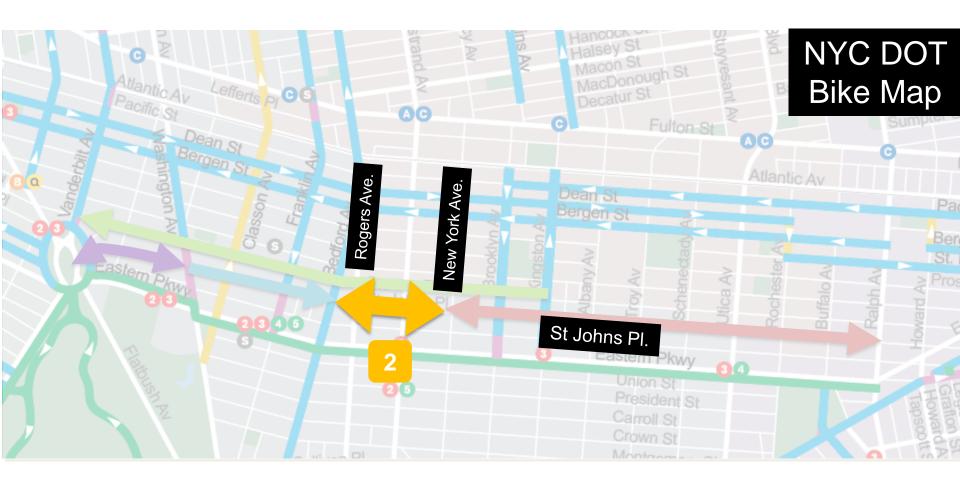
- Add 4 ft. painted center median
- Mark bicycle lanes in both directions
  - Connects to existing routes on Brooklyn Ave., Kingston Ave., planned route on St. Johns Pl. in CB 16

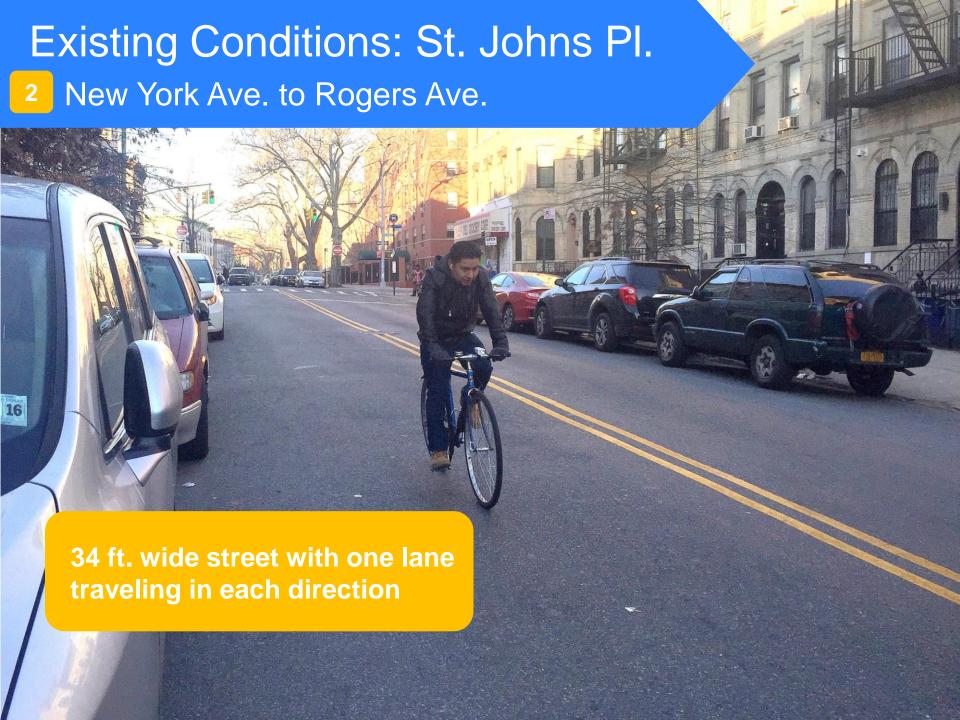




#### Proposed: Bike Connections

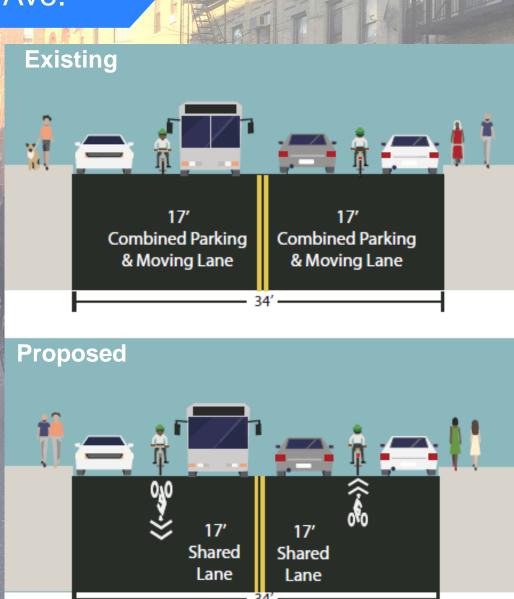


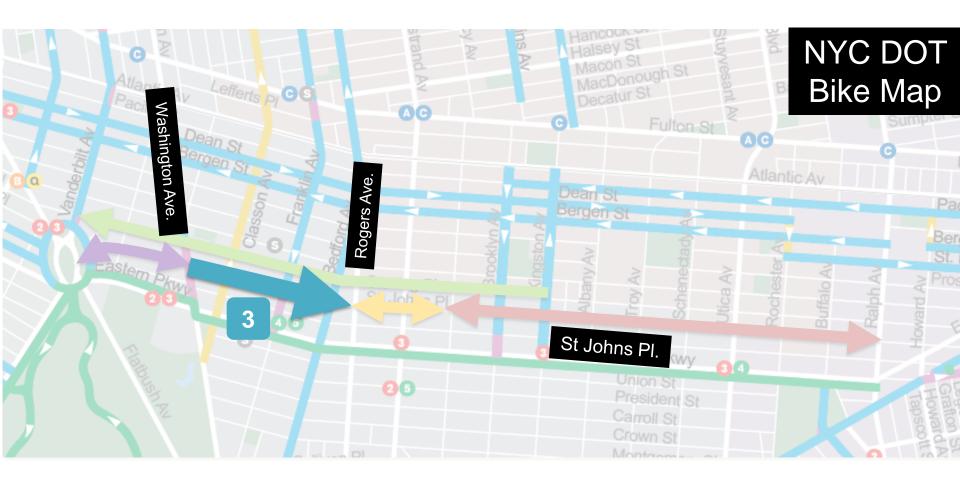


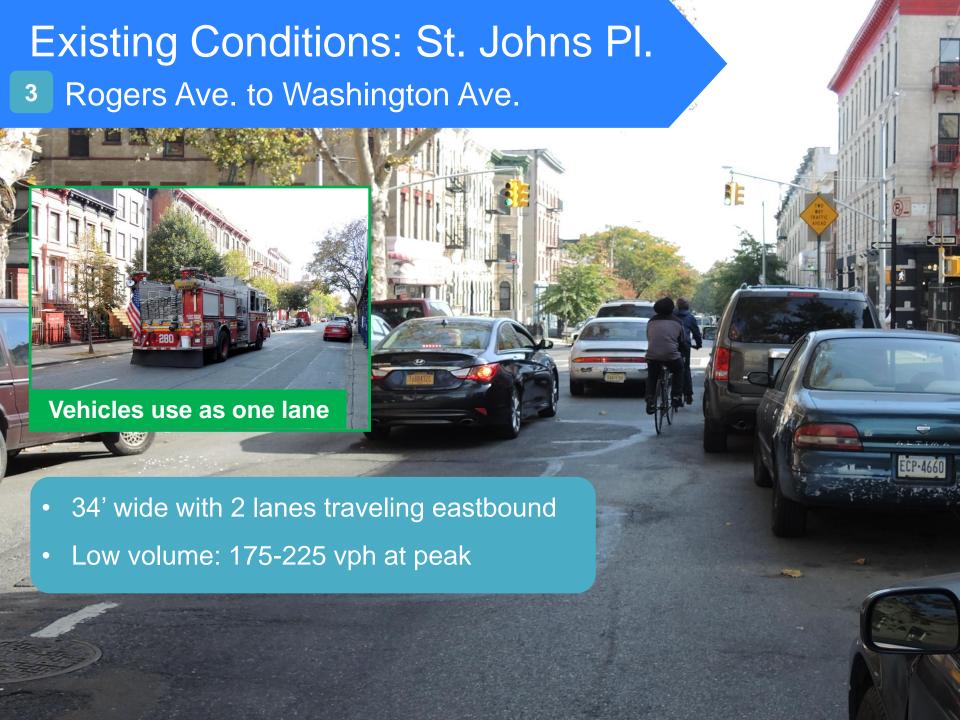


New York Ave. to Rogers Ave.

- Add shared lane markings in both directions
- Helps guide cyclists and alerts motorists

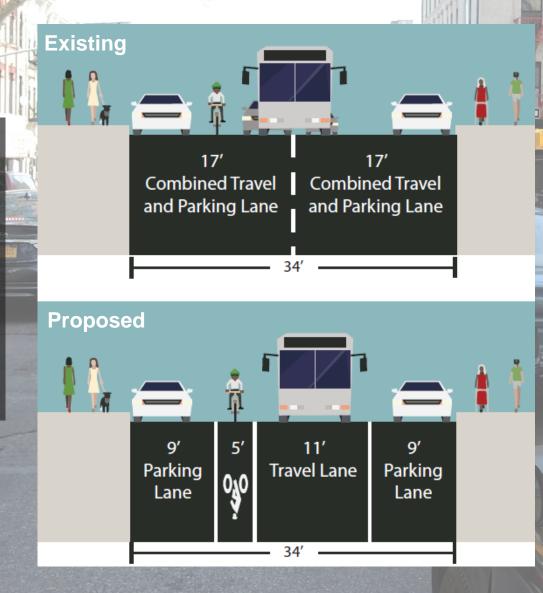


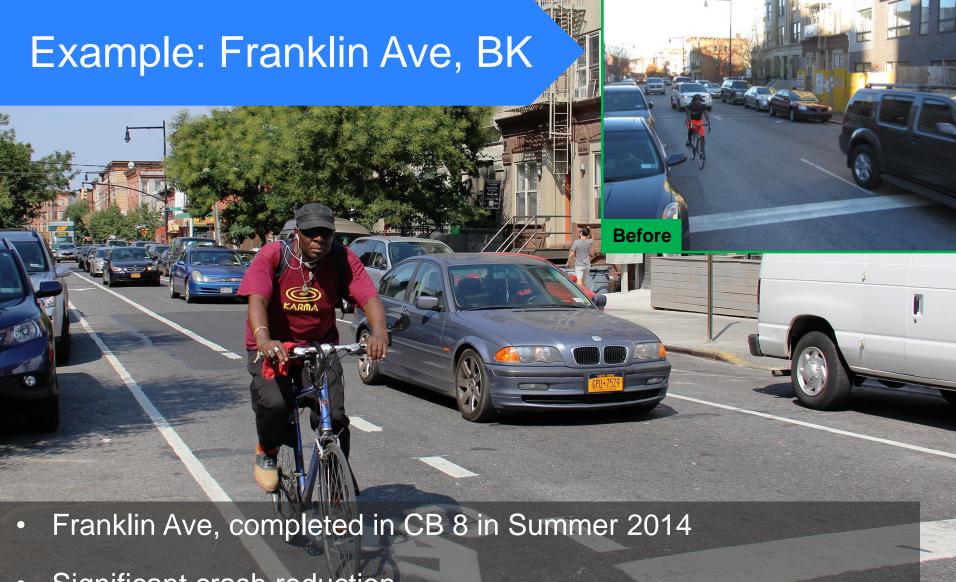




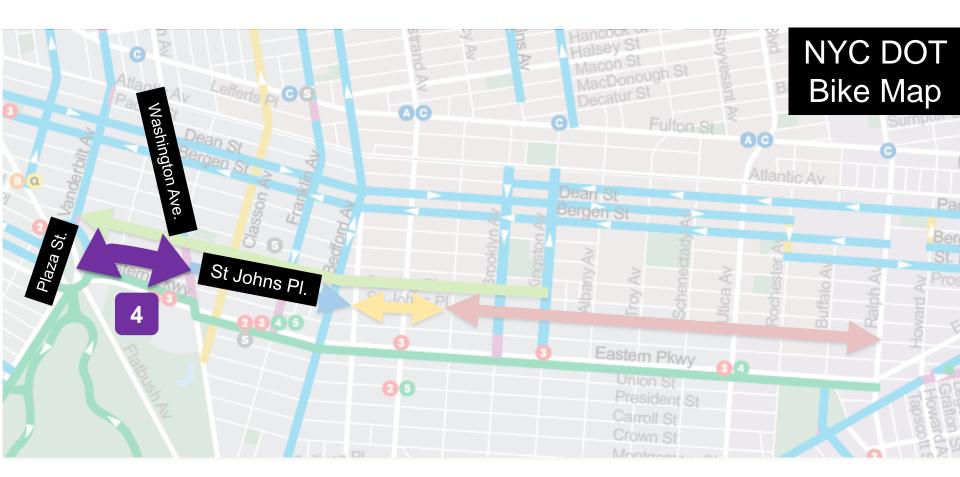
Rogers Ave. to Washington Ave.

- Upgrade travel lane and parking lane width
- Mark eastbound bike lane
  - Connects to existing routes
    Classon Ave., Franklin Ave., and
    Bedford Ave.
- Increases predictability for motorists/cyclists





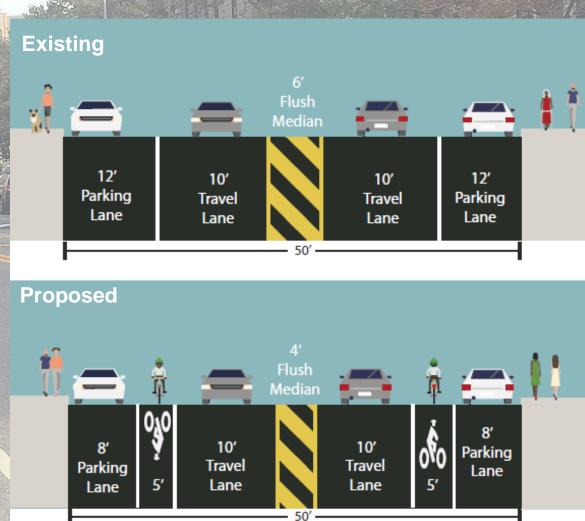
- Significant crash reduction
- Vehicle volume on St. Johns Pl. is less than half of Franklin Ave.

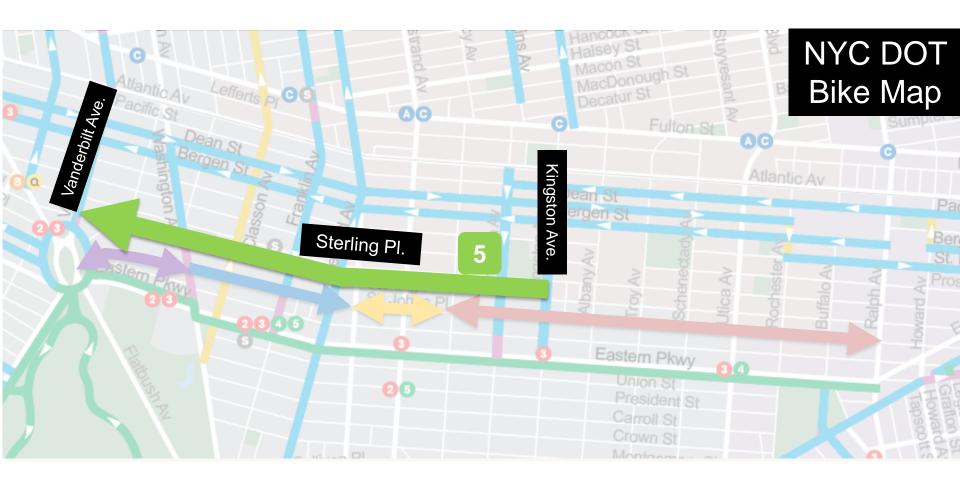




Washington Ave. to Plaza St. E.

- Narrow existing painted center median to 4 ft.
- Mark 2-way bicycle lane in eastbound and westbound direction
  - Connects to existing routes on Plaza St. E. and Washington Ave.

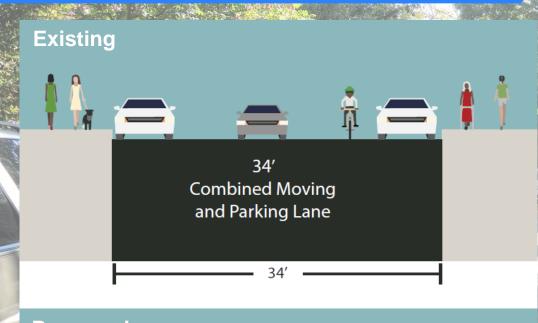


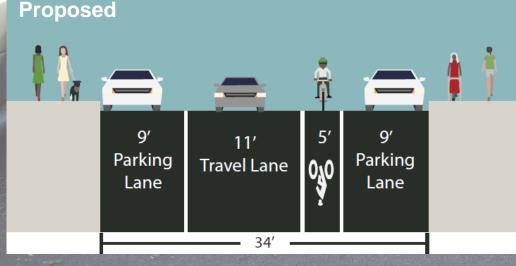




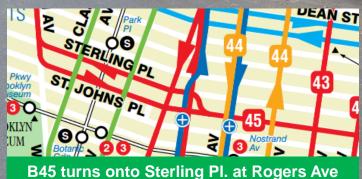
## Proposed: Sterling Pl.

5 Kingston Ave. to Vanderbilt Ave.









#### **Project Benefits**

- Reduces speeding by creating standard width moving lanes
- Simplifies high crash intersections for pedestrians and motor vehicles and allows simpler, safer left turns
- Maintains vehicle capacity and parking
- Creates new bicycle connections, increasing connectivity with existing routes







**Proposed Condition: Ocean Ave, Brooklyn** 

