

# Park Ave Traffic Calming Brooklyn

May  
2014



Commissioner Polly Trottenberg New York City Department of Transportation  
Office of Research, Implementation & Safety  
May 20<sup>th</sup>, 2014 to Community Board 2





# Dangerous Speeds

**Recorded  
Speeds of  
52 MPH\***

\*EB Park Ave btwn N Portland Ave and Navy St

# Park Ave Traffic Calming

Project Area

Need: Why Park Ave

Solutions



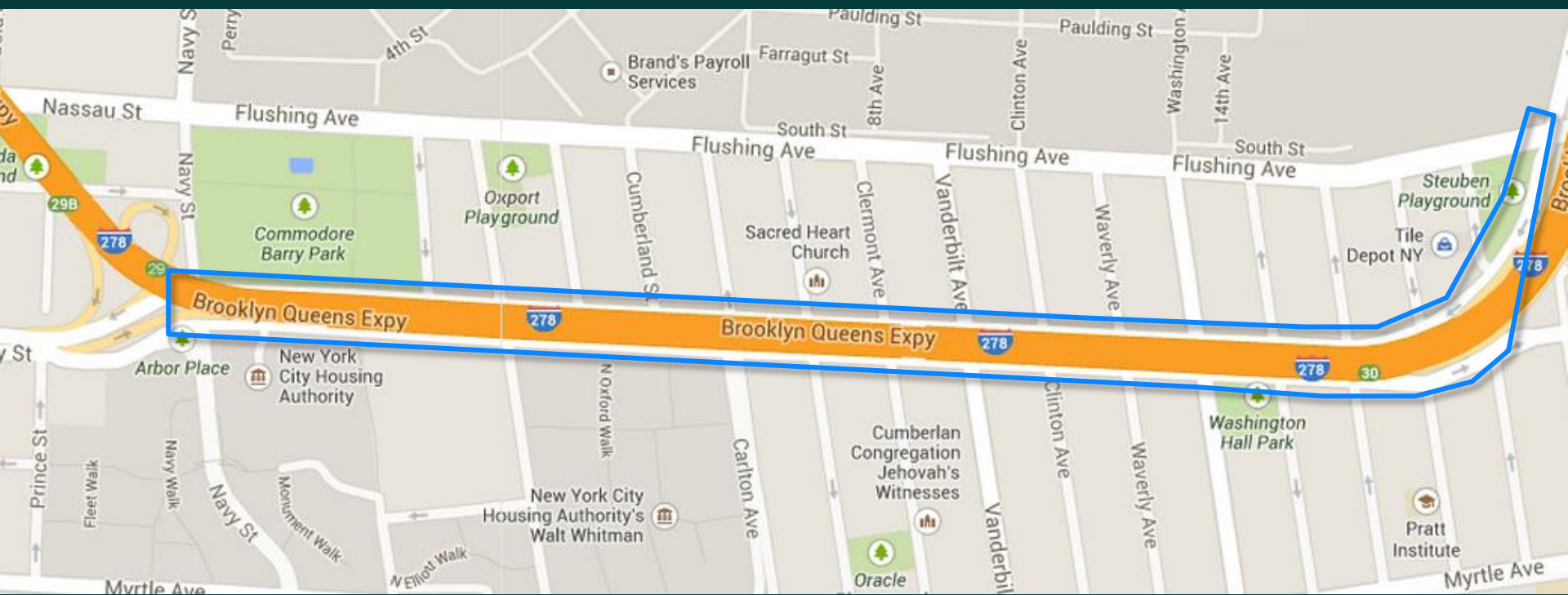


# Project Area

Project area: Park Ave from Navy St to Flushing Ave

6 lanes (4 travel, 2 parking)

32' wide roadway each direction



# History of Project

## Myrtle Avenue Revitalization Project (MARP)

- Conducted multiple community workshops
- Community lead Safety Study (MARP & Architecture for Humanity)
- Community Board 2 endorsed the study June 2012

## Additional Support

- Council Member Letitia James (Currently Public Advocate)
- State Assembly Member Joseph Lentol
- Fort Greene Association

## Workshops

**HELP IMPROVE PEDESTRIAN SAFETY ON PARK AVENUE**  
IDENTIFY, PRIORITIZE, AND LOCATE SPECIFIC SOLUTIONS THAT WILL IMPROVE PEDESTRIAN SAFETY AND CALM VEHICULAR TRAFFIC ON 15 BLOCKS OF PARK AVENUE, BETWEEN NAVY STREET AND STEUBEN STREET.

① WE'VE LISTENED TO YOUR CONCERNS ABOUT TRAFFIC AND SAFETY...

- HOW CAN WE MAKE ACCESS TO COMMODORE BARRY PARK SAFER?
- HOW CAN WE REDUCE SPEED/ALSO PRIORITIZE BIKES?
- HOW CAN WE MAKE THE ENVIRONMENT UNDER THE BOB SAFER, BOTH DAY AND NIGHT?
- CAN WE MAKE IT SAFER TO CROSS FROM BLOCK TO BLOCK UNDER THE BOB?
- HOW CAN WE MAKE THE CROSSINGS SAFER NEAR OUR SCHOOLS?
- CAN WE VEGETATE NOT ONLY BEAUTIFY BUT ALSO IMPROVE SAFETY?
- CAN WE ADD MORE NEARLAP CROSSINGS?
- CAN ART, SUCH AS THE NEW MURAL AT STEUBEN STREET, BE USED TO PROMOTE SAFETY?

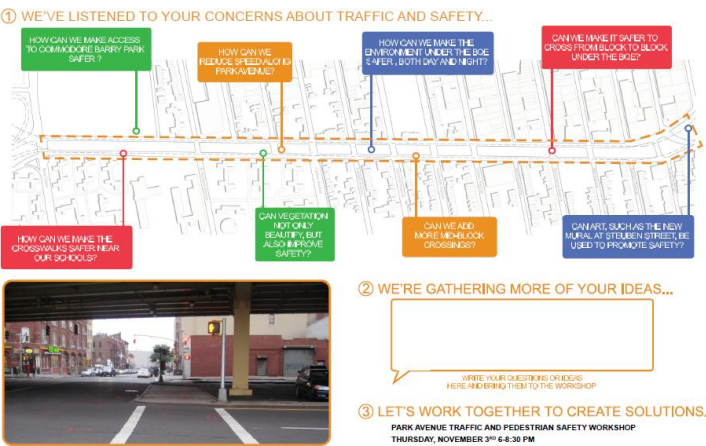
② WE'RE GATHERING MORE OF YOUR IDEAS...

WRITE YOUR QUESTIONS OR IDEAS HERE AND BRING THEM TO THE WORKSHOP

③ LET'S WORK TOGETHER TO CREATE SOLUTIONS...

PARK AVENUE TRAFFIC AND PEDESTRIAN SAFETY WORKSHOP  
THURSDAY, NOVEMBER 21<sup>st</sup> 6-8:30 PM  
BENJAMIN BANNER ACADEMY FOR COMMUNITY DEVELOPMENT  
71-77 CLINTON AVENUE (NEAR PARK AVENUE)  
RSVP TO [dan@myrtleavenue.org](mailto:dan@myrtleavenue.org) or 718-235-1689

...PLEASE JOIN US!



## Safety Study

### Park Avenue Pedestrian and Traffic Safety Studies



# Recommendations Implemented

## Improved Lighting



## Day Lighting



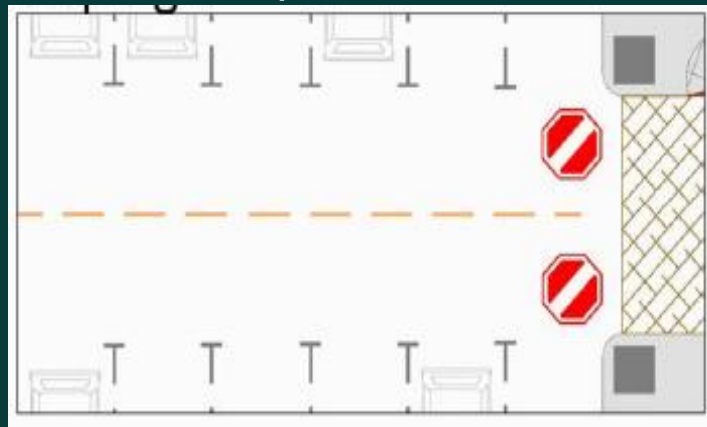
## Signal Study



## Pedestrian Ramps



## Stop Control





Need: Severe Crashes

High **Crash**  
Corridor  
(Top Third)

**13.6**  
Fatalities/Severe  
Injuries per Mile

**2** Fatalities





# Need: High Speeds

**74% of  
Motorists over  
Speed Limit\***

\*WB Park BQE exit and North Elliot Pl



# Need: Dangerous Conflicts under BQE



**33%** of  
crashes right  
angle



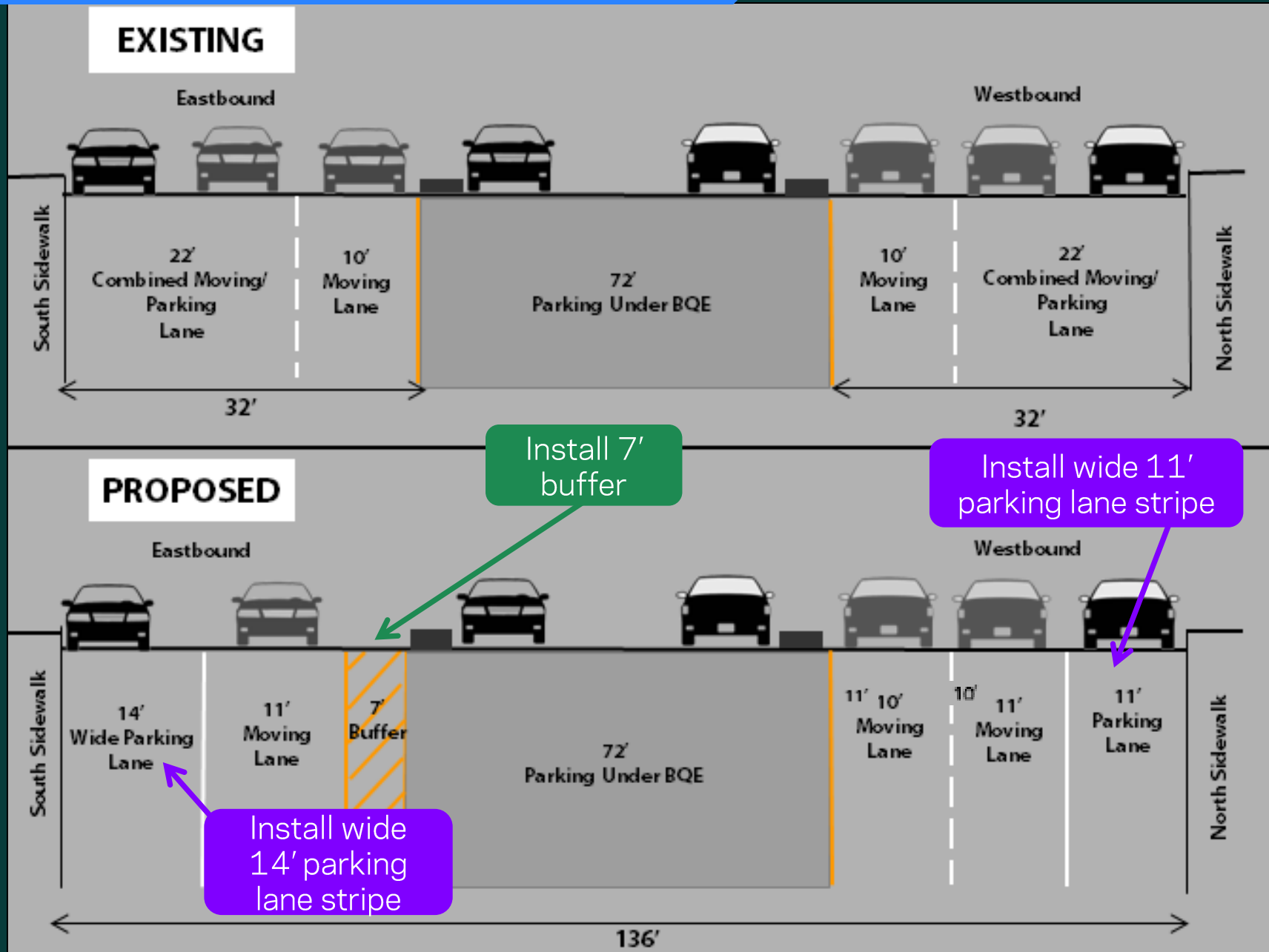
Need: Awkward 3 to 2 Merge



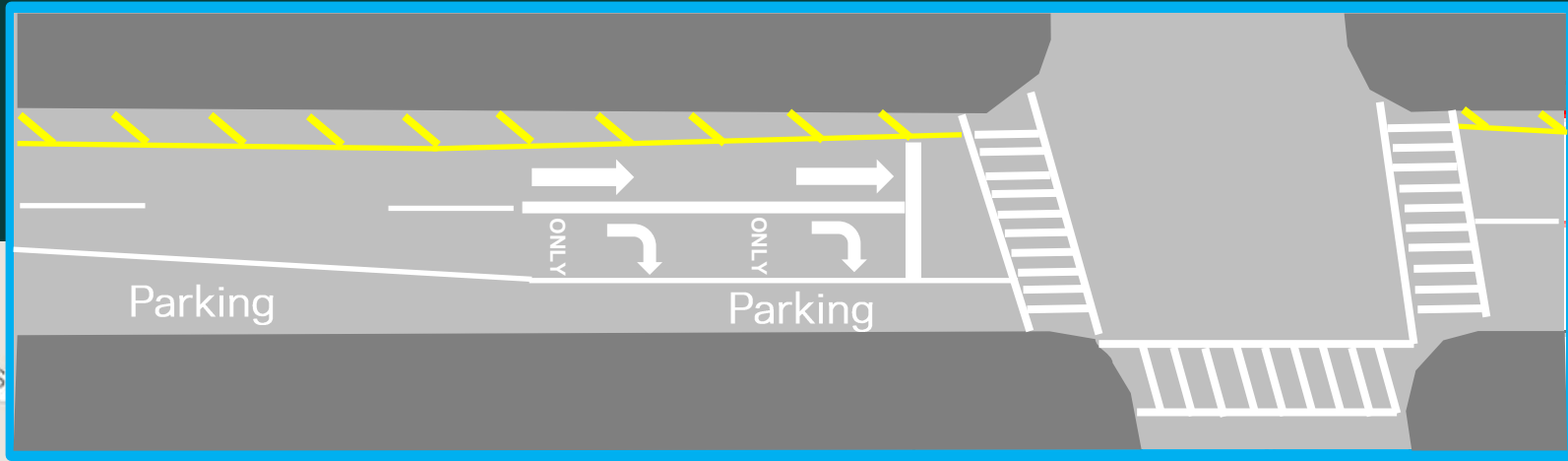
**Delays** Traffic  
causes Confusion



# Solutions: Traffic Calming



# Solutions: Traffic Calming



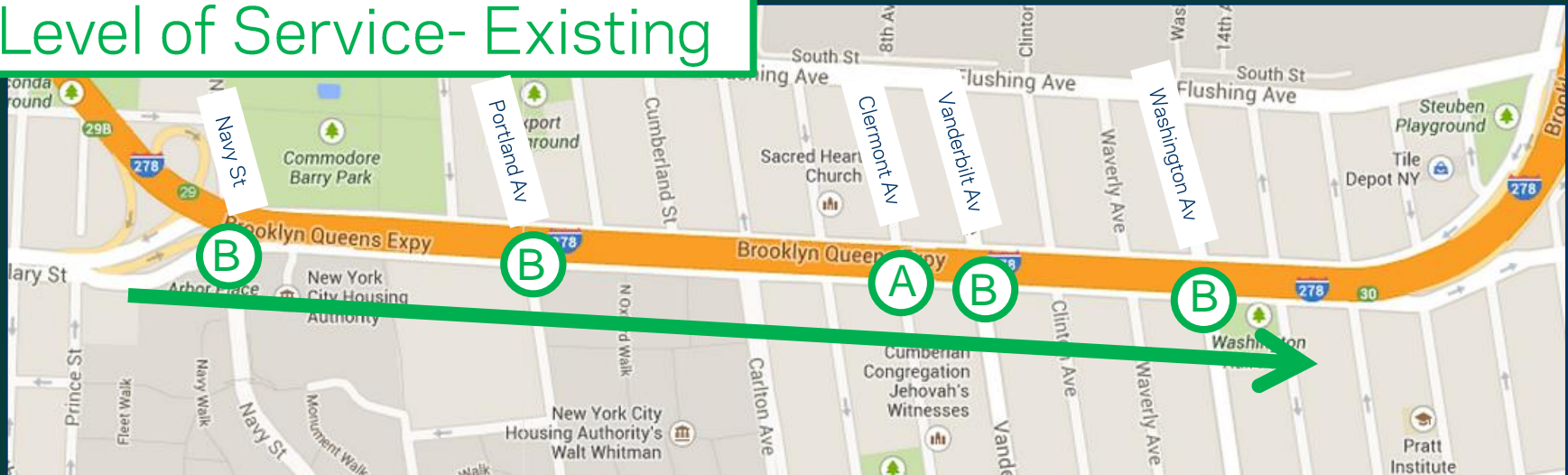
Right Turn Only lane on three  
EB approaches to facilitate  
traffic flow

(N Portland Ave, Clermont Ave & Vanderbilt Ave)

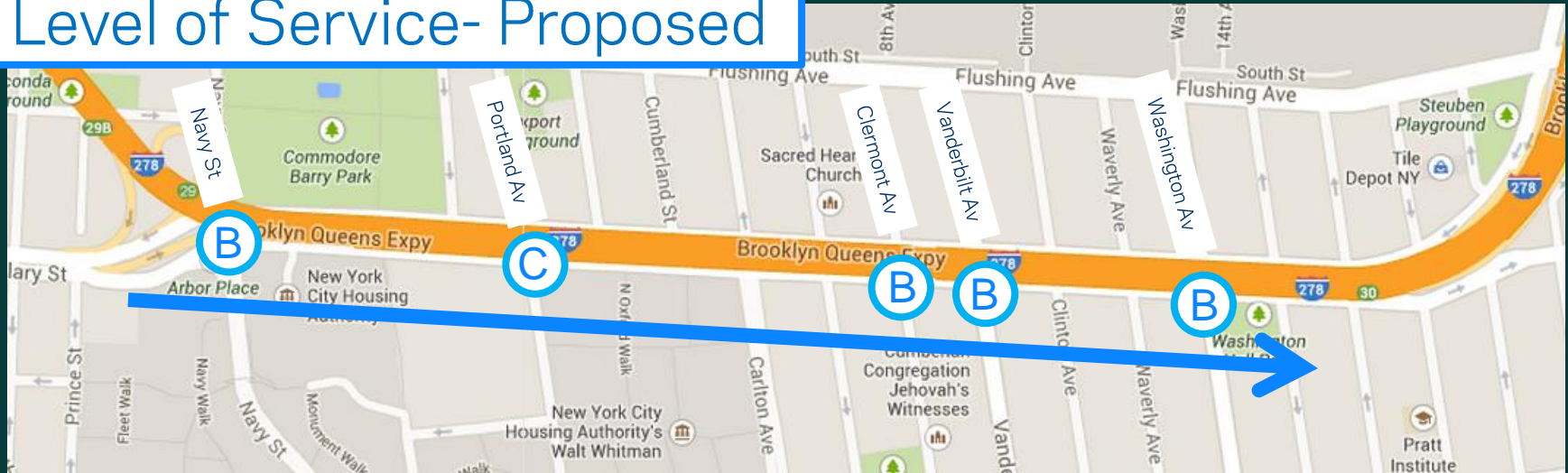


# Solutions: Avoids Adverse Traffic Impacts

## Level of Service- Existing



## Level of Service- Proposed



# Solution: Crashes & Speeding

## Existing EB





# Solution: Crashes & Speeding

## Proposed EB



# Solution: Crashes & Speeding

## Existing WB



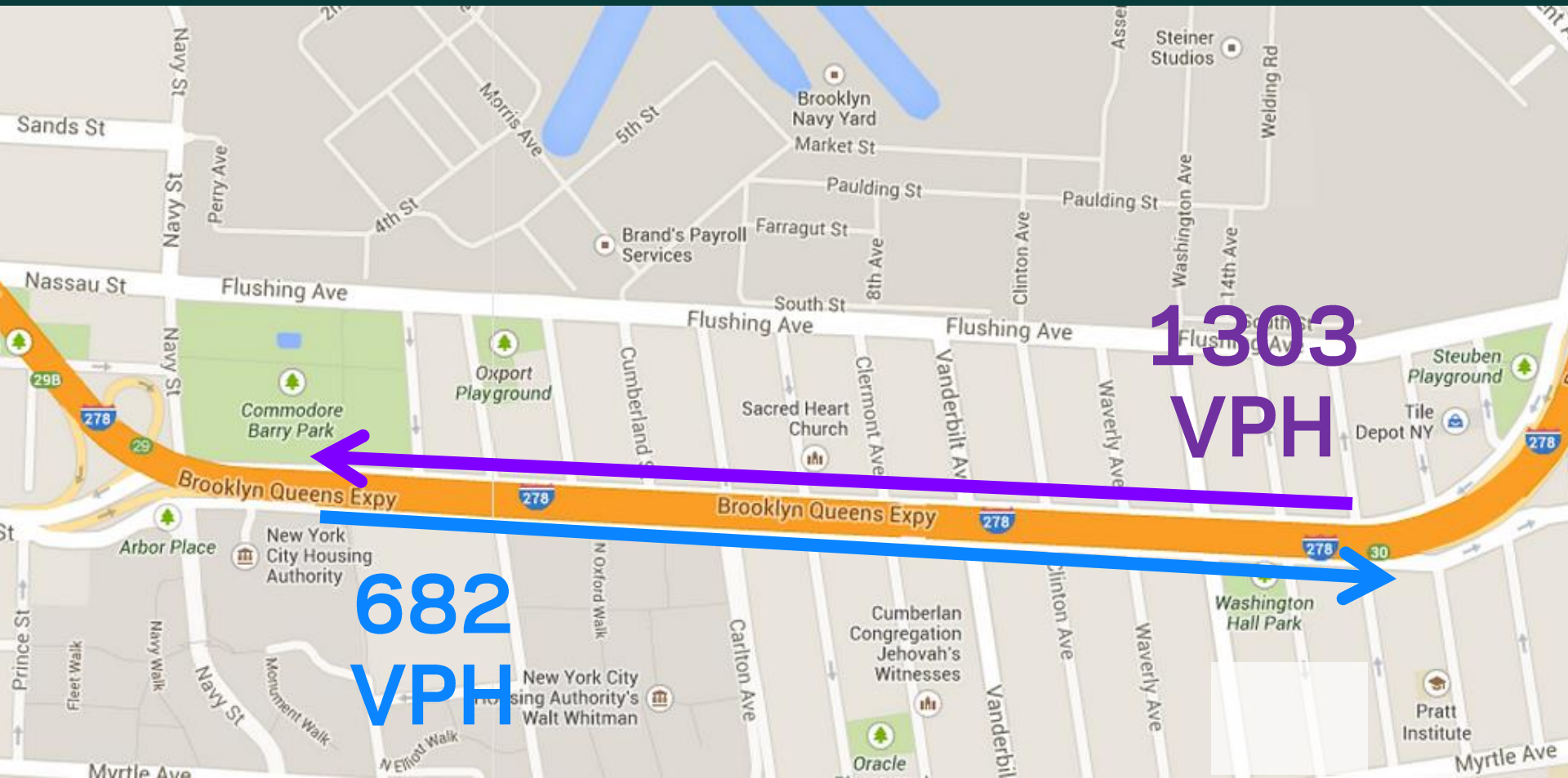


Solution: Crashes & Speeding

**Proposed WB**



# Why different treatments EB & WB?





# Solution: Crashes & Speeding

## More Time to Cross Park Ave

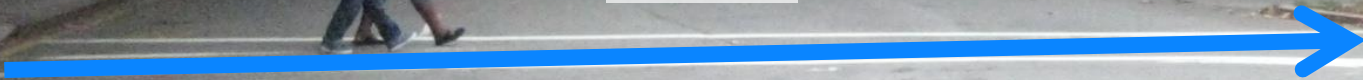
Peak Times +2 secs = 6'

Evening +6 secs = 18'

## Optimize Progression

Reduce Speeding  
Better Travel Times

32'



# Solution: Dangerous Conflict under BQE

**Existing**



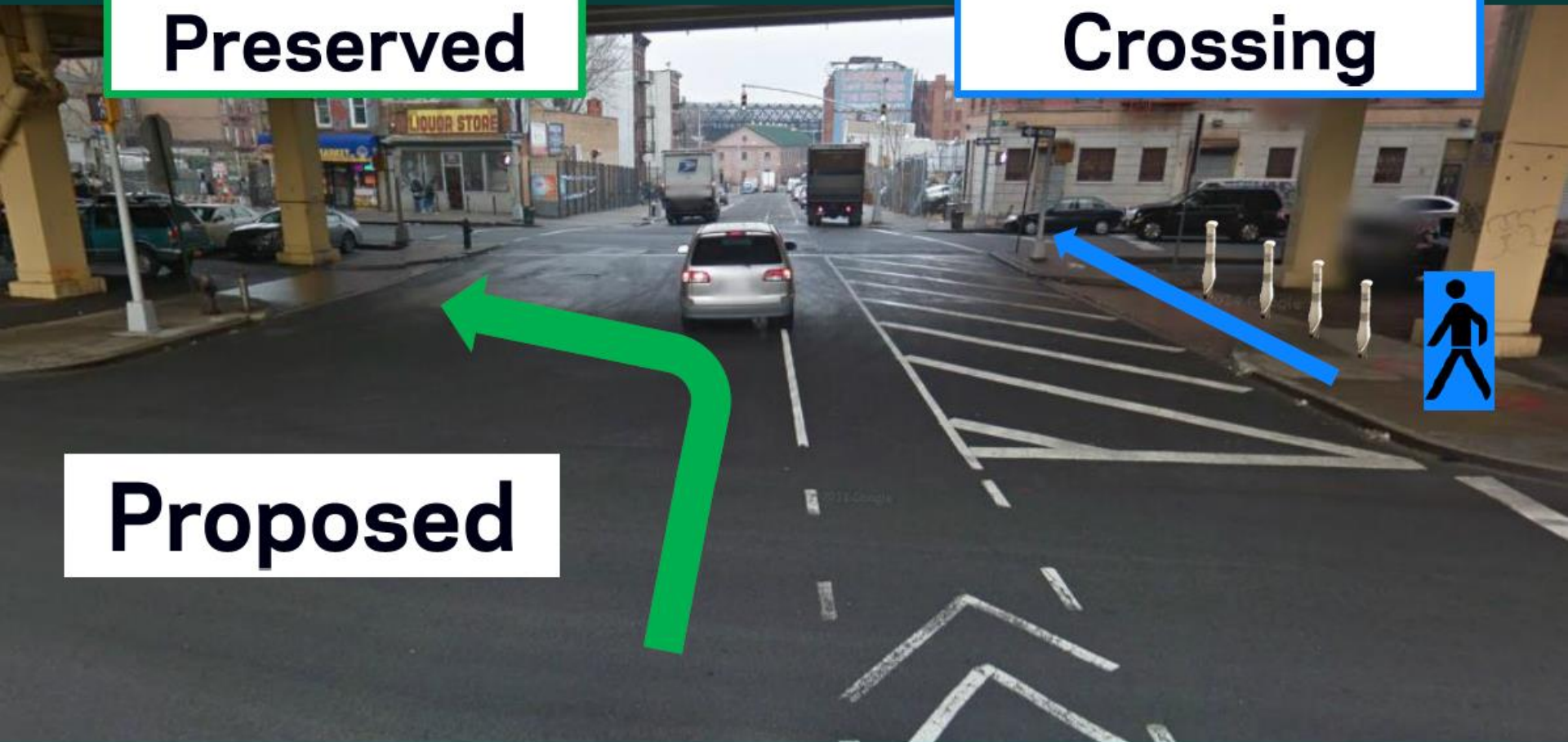


# Solution: Dangerous Conflicts under BQE

**Access  
Preserved**

**Conflict Free  
Pedestrian  
Crossing**

**Proposed**



# Solution: Dangerous Conflict under BQE

**Existing**





# Solution: Dangerous Conflicts under BQE

**Proposed**



# Solution: Awkward 3 to 2 Merge

## Existing WB





Solution: Awkward 3 to 2 Merge

# Proposed WB





Solution: Awkward 3 to 2 Merge

**Proposed WB**





# Proposal Elements & Benefits

## Reduce EB Park to 1 lane & Narrow WB Park

- Removes excess capacity and reduces ability to speed
- Less weaving and better organized traffic

## Improve Signal Timing

- Optimize progression
- Increase pedestrian crossing time

## Rationalize access to parking entrances

- Eliminate traffic conflicts
- Reduce right angle crashes
- Create conflict free pedestrian crossings

## Eliminate awkward 3 to 2 merge

- Simplify traffic pattern
- Improve traffic flow

Questions?

**Thank  
You**