

# Brooklyn Avenue/Kingston Avenue

## Transportation Improvements

2015



New York City Department of Transportation

Presented by Division of Transportation Planning & Management on March 24<sup>th</sup>, 2015 to Community Board 8

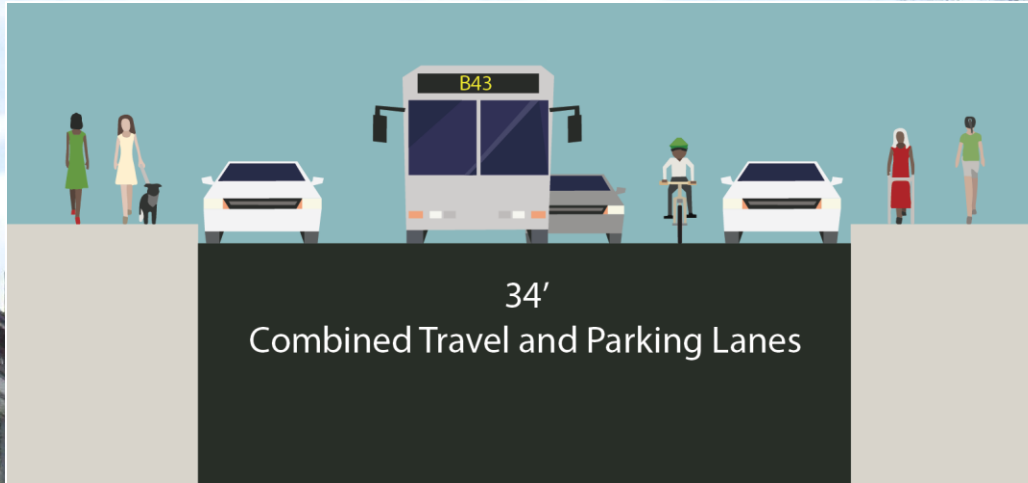
# Background

- 2012 CB8 request for traffic calming on Brooklyn Avenue between Atlantic Avenue and Eastern Parkway
- Brooklyn Avenue and Kingston Avenue are high crash corridors (15.9 and 20.7 traffic related serious injuries or deaths per mile, respectively)
- Tompkins Avenue/Throop Avenue bike routes in CB3





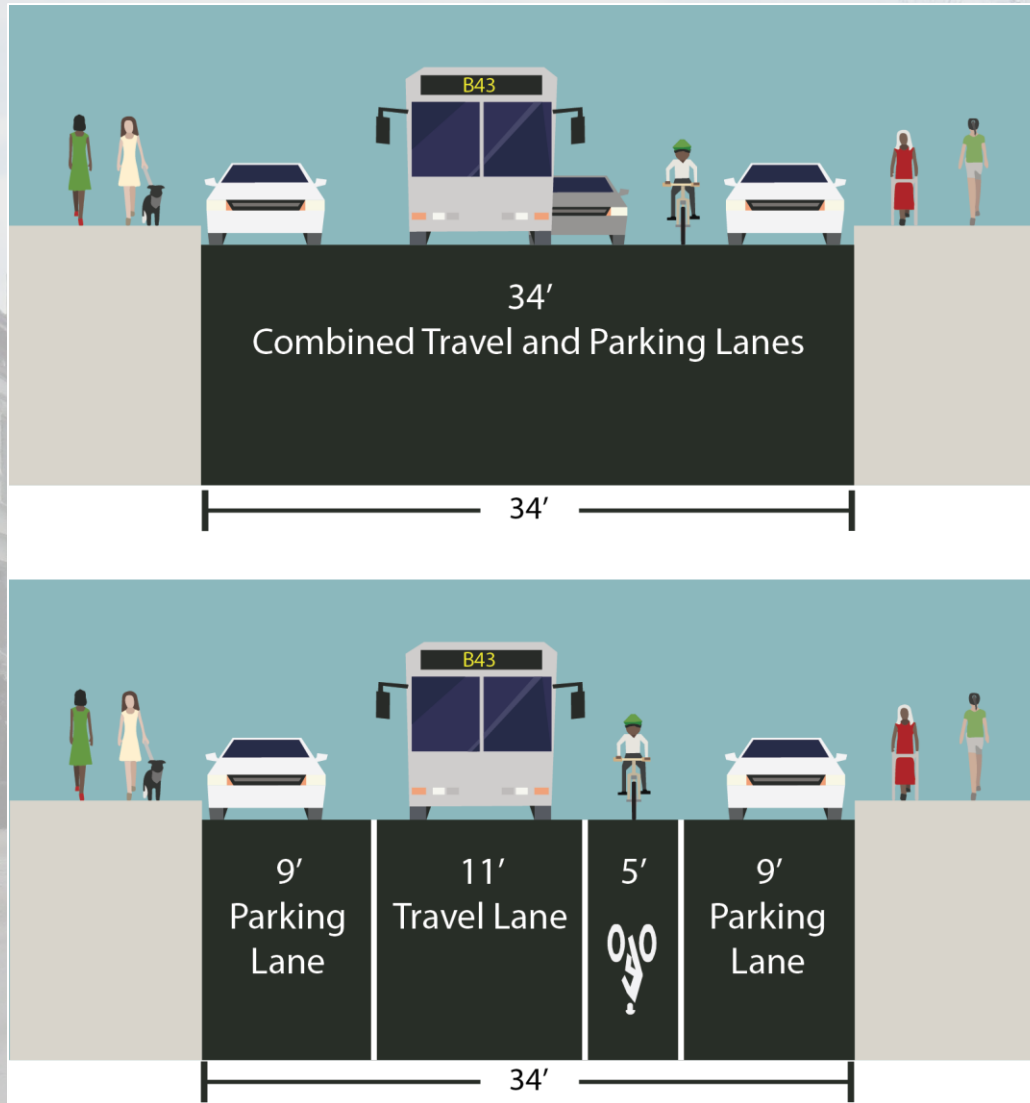
# Existing Conditions on Kingston Avenue



34 feet wide one-way roadway

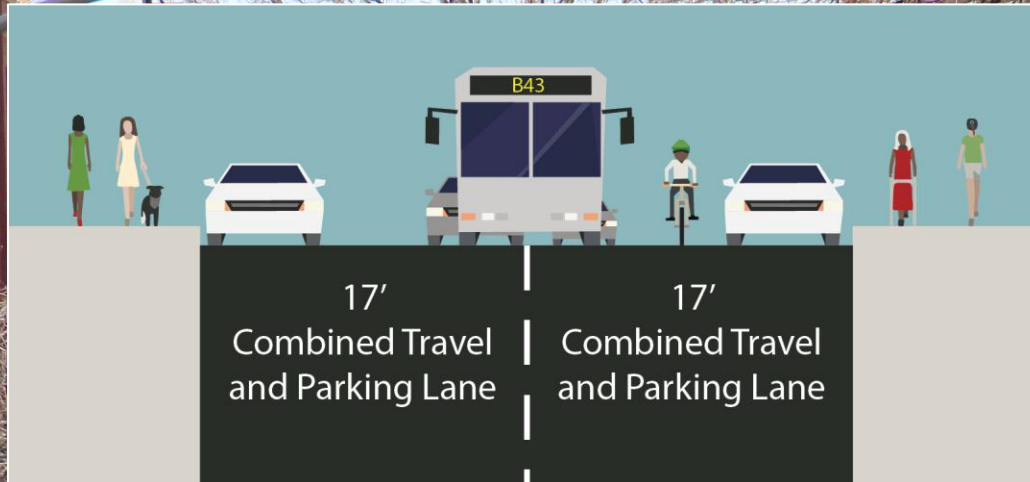
Facing south towards Prospect Place

# Proposed Conditions on Kingston Avenue





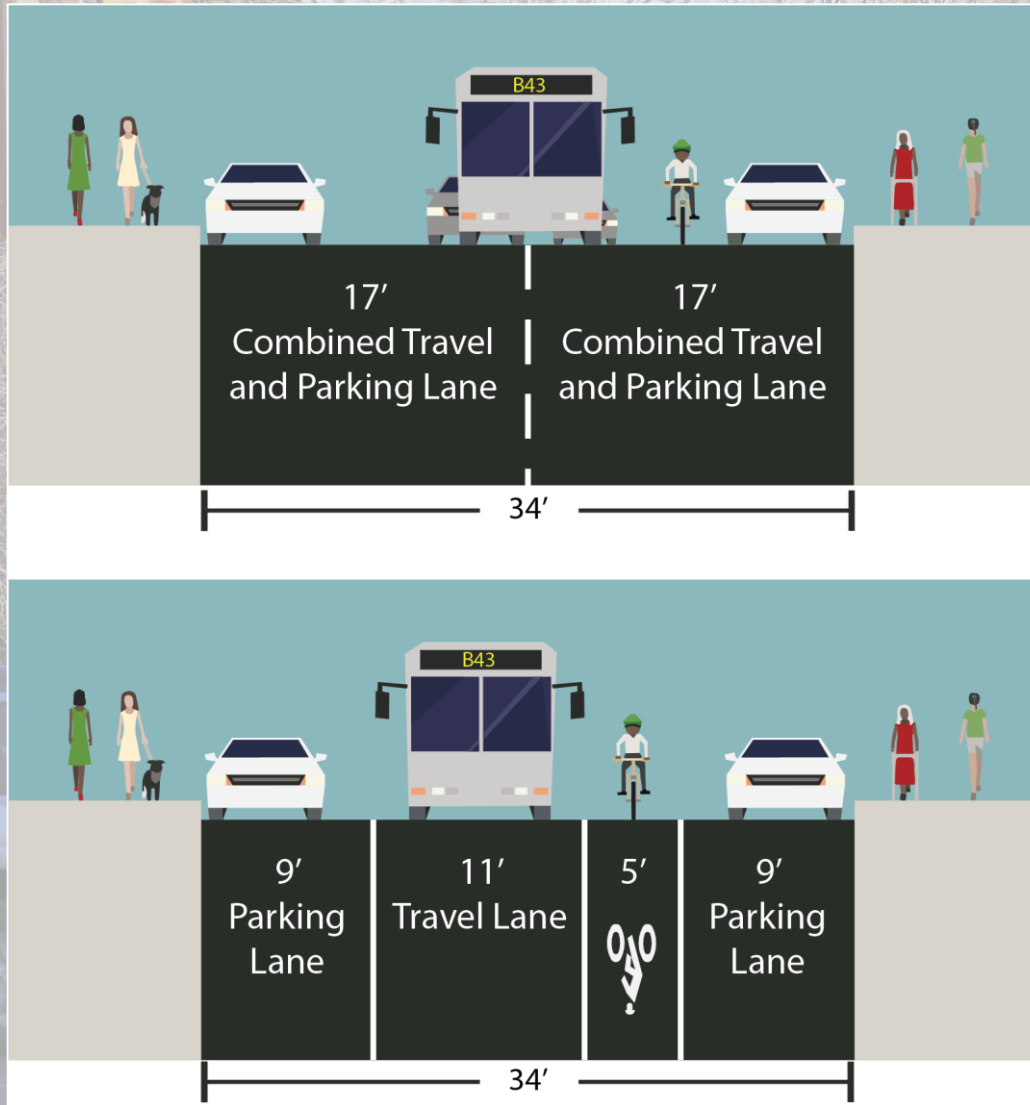
# Existing Conditions on Brooklyn Avenue



Facing north towards Bergen Street



# Proposed Conditions on Brooklyn Avenue

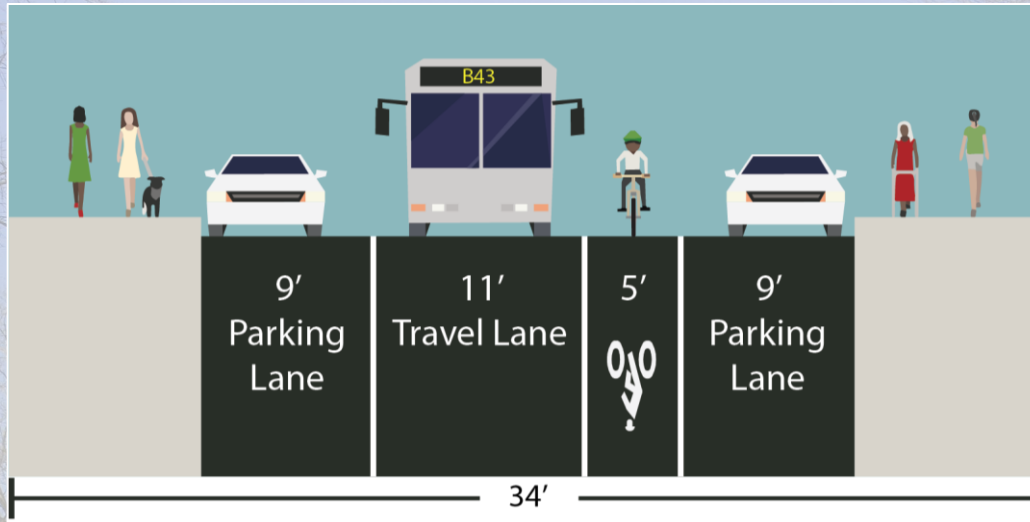


# Traffic Analysis of Brooklyn Avenue

- Peak hour volume on Brooklyn Avenue is 650 vehicles
- Signal cycles vary along the corridor
- Green phases are poorly coordinated
- A traffic model was created to study the effect of removing one southbound lane
- Shorter signal cycle lengths and coordinated green phases were found to increase vehicle flow and decrease travel time despite the reduction in the number of lanes
- The two travel lanes would merge between Atlantic Avenue and Pacific Street
- It is necessary to maintain two travel lanes between St Johns Place and Eastern Parkway for vehicle storage
- This project is expected to relieve congestion on Brooklyn Avenue



# Summary of Proposal



- Scope: Brooklyn Avenue & Kingston Avenue between Atlantic Avenue and Eastern Parkway
- Improve signal timing and traffic flow
- Maintain one 11'-wide travel lane (2 lanes between St Johns Place and Eastern Parkway)
- Maintain all parking
- Install bicycle lanes



Questions?

Thank  
You