

# NYC's Protected Bicycle Paths: 8-80 Bikeways



Joshua Benson, AICP, Director of Bicycle & Pedestrian Programs, New York City Department of Transportation  
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# NYC's Protected Bicycle Paths

- Separated paths dating to late 1800s
- Parkway development 1930s & 1940s
- Attempt at protected paths in 1980s
- Barrier paths early & mid 2000s
- Modern on-street protected paths beginning 2007
- Brooklyn Waterfront Greenway: catalyst for bikeway network development
- Kent Avenue case study



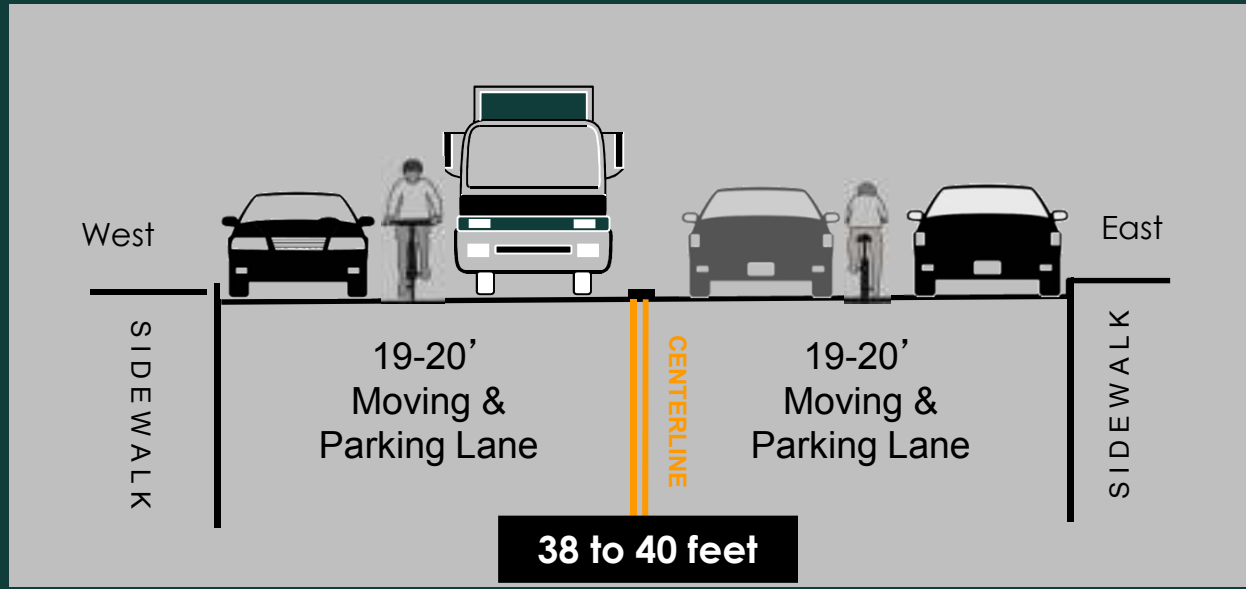
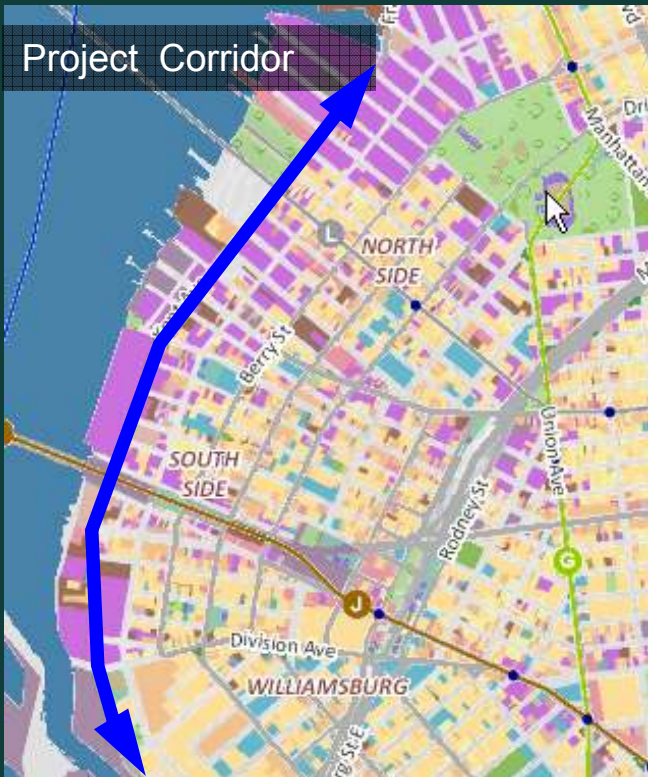
Ocean Parkway, 1890s



Curb separated bicycle lane on Sixth Avenue



# Kent Avenue – Existing Conditions Pre-2008

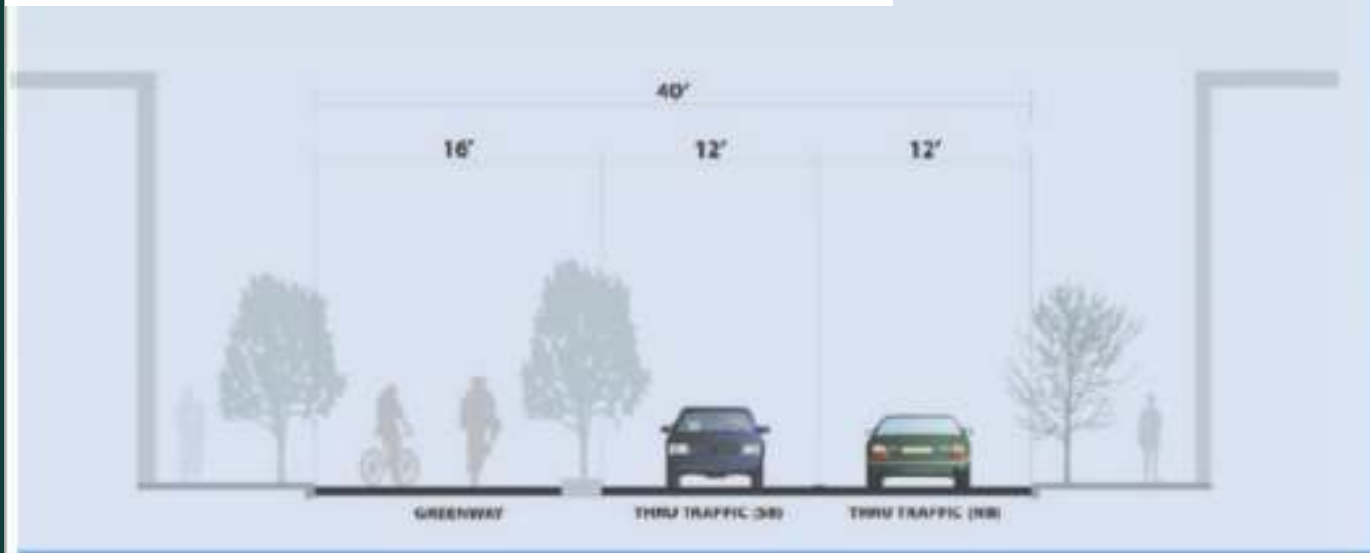


*Kent Avenue at N. 9<sup>th</sup> Street*

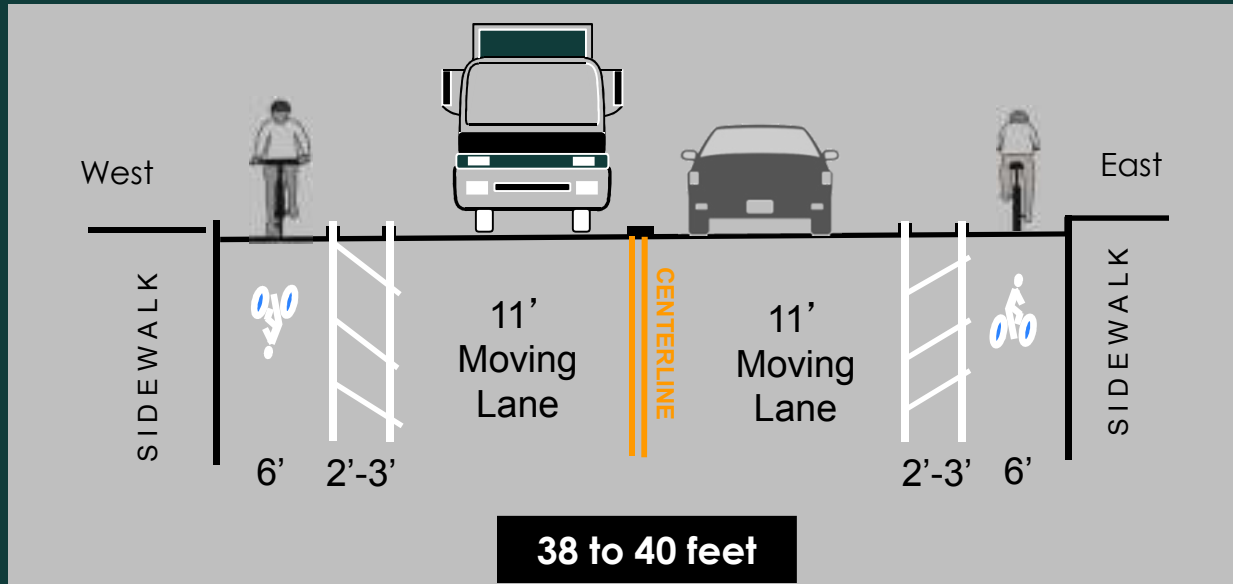
# Kent Avenue - Project Background

- April 2008: CB 1 Votes to Support **Brooklyn Waterfront Greenway** long-term vision
  - Includes No Parking for All of Kent Avenue
- DOT seeking to implement interim improvements
  - Before parking demand grows
  - To deliver public benefits as rapidly as possible

*Brooklyn Greenway Initiative Kent Avenue Concept*



# Kent Avenue – Design 1: Curb Side Bike Lane



Kent Avenue, Brooklyn Spring 2009

# Kent Avenue – Issues with Initial Project

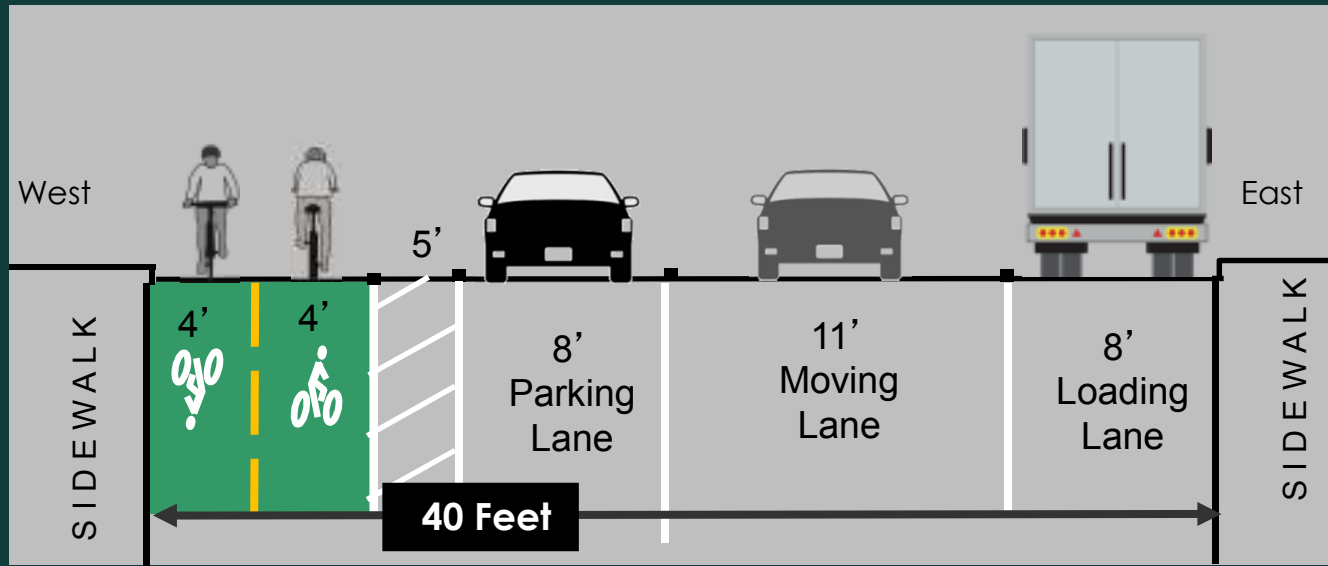


1. Lack of curbside access
  - Residents: parking & drop-offs
  - Businesses: loading
  - Before bike lanes – approx. curbside spaces used regularly :
    - o Weekdays ~240
    - o Weekends ~130
2. Speeding problem
  - Lack of parked cars make lanes appear overly wide
  - Illegal overtaking over double yellow
  - Four curves often taken at high speeds
  - Long stretches without a traffic signal
3. Bike lane frequently violated
4. Lack of bicycle access from south
  - Navy Yard and BQE entrance ramps prohibit direct access
  - South of Clymer St, Kent Ave has center median



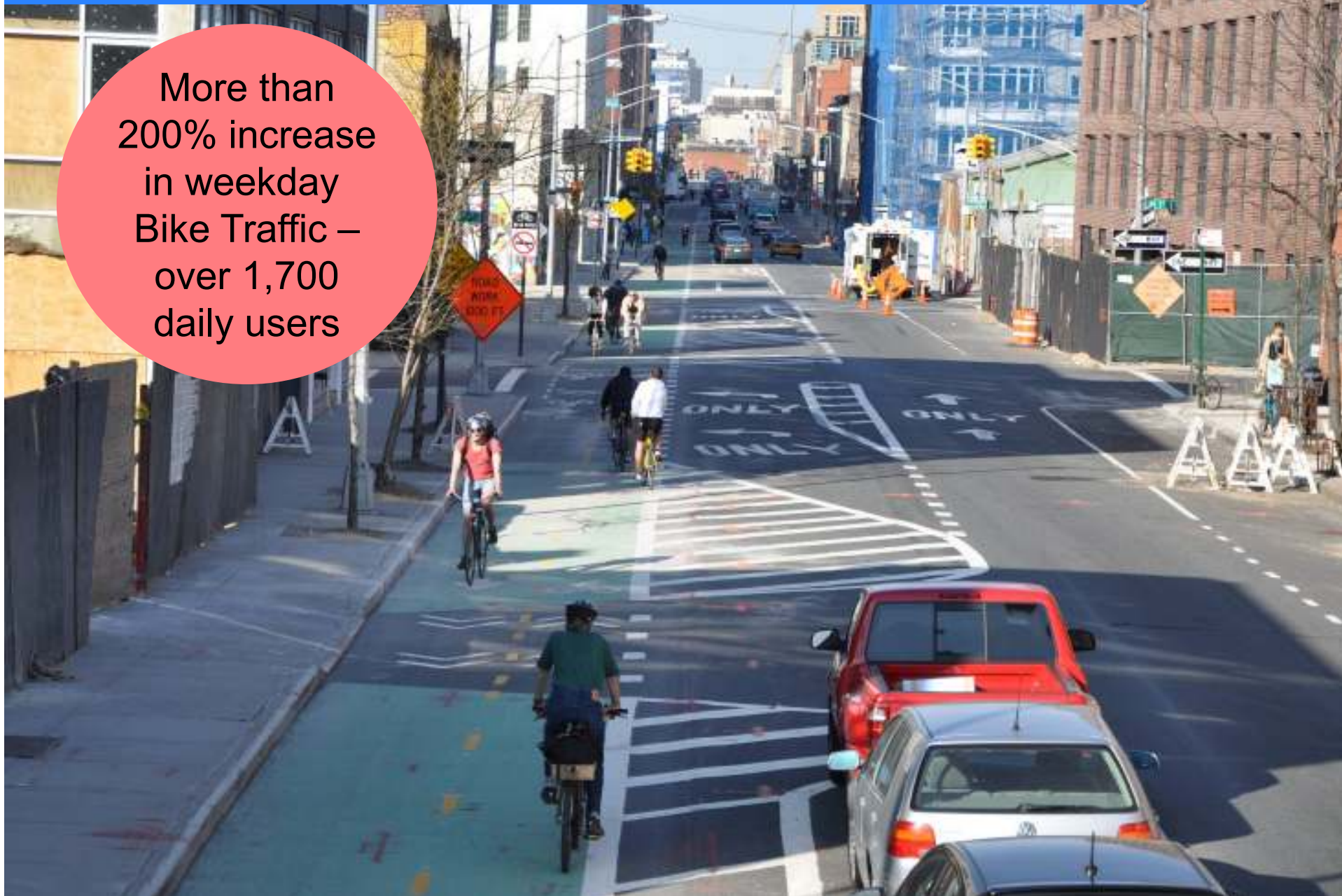
# Kent Avenue – Redesign: Two-Way Separated Bike Path

Two-Way Separated  
Bike Path



# Kent Avenue – Weekday Bike Volumes

More than  
200% increase  
in weekday  
Bike Traffic –  
over 1,700  
daily users





# Kent Avenue – Weekend Bike Volumes

More than  
190% increase  
in weekend  
Bike Traffic –  
over 2,500  
users/day



# Brooklyn Waterfront Greenway at Pier 6





# Brooklyn Waterfront Greenway





Questions?

Thank  
You