



# BROOKLYN CB 10

## Bike Network Expansion Workshop

January 16, 2019



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# Background

# 1

## Introduction to NYC DOT

Safe, efficient, and environmentally responsible movement of people and goods on the City's streets



### NYC DOT is responsible for:

- 6,000 miles of streets and highways
- 789 bridges and tunnels
- 12,000 miles of sidewalk
- 12,700 signalized intersections
- 315,000 street lights
- Staten Island Ferry
- 1 million+ street signs
- 200 million+ linear feet of roadway markings

### NYC DOT Bicycle and Greenway Program

Responsible for building on-street bike network and increasing bike safety

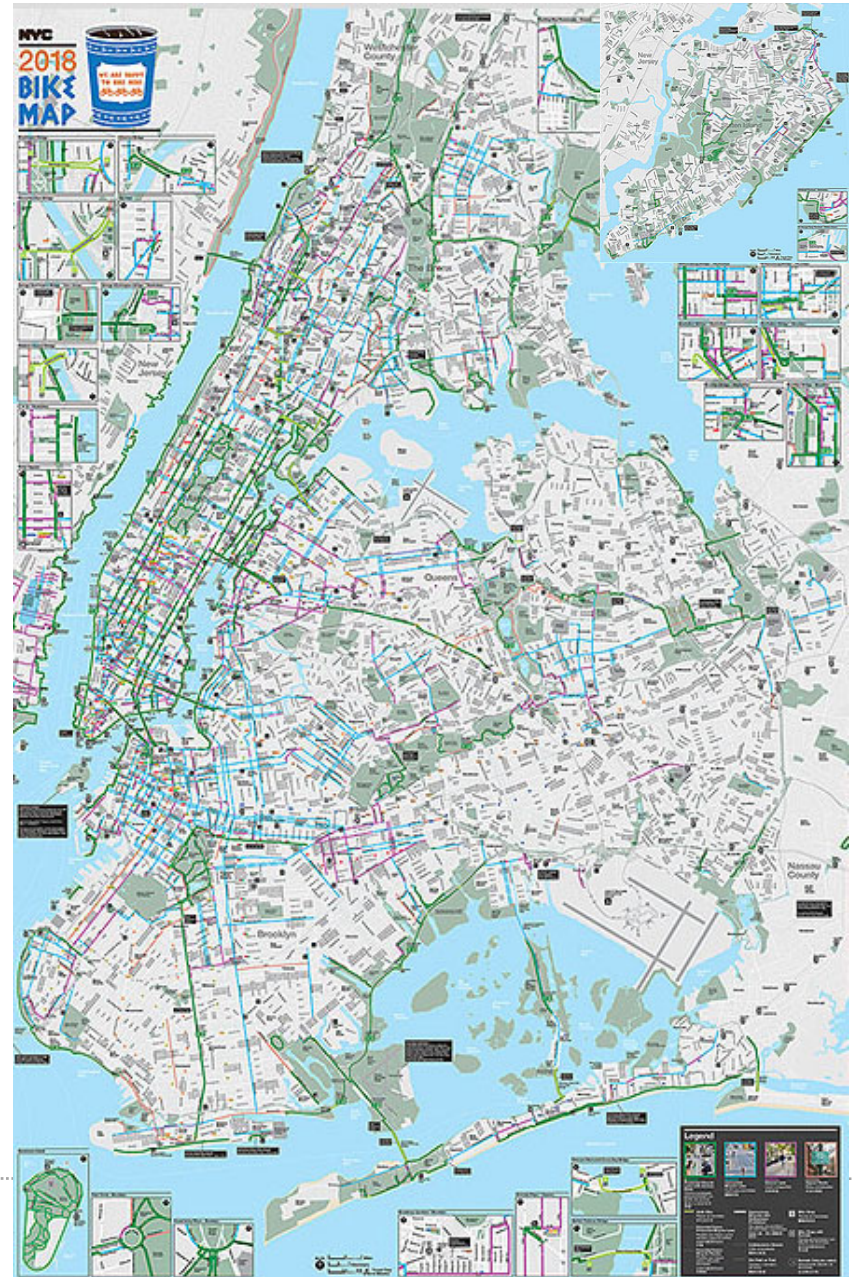
Largest bike network in North America (1000+ lane miles)

NYC Bike ridership growing every year

- **460,000 bike trips per day** (2016 estimate)
- **Daily cycling up 70%** (2011-2016)
- **Regularly 60,000 Citi Bike trips a day**

Street redesigns improve safety for all road users

- Cyclists
- Pedestrians
- Drivers
- Bus Riders



# Street Improvement Project Toolbox – Bike Facilities

## Conventional Bike Lanes

- Create dedicated space for people on bikes and in cars
- Increase predictability for all road users
- Visually narrow the roadway, reduces crashes with injuries



## Background

# Street Improvement Project Toolbox – Bike Facilities

## Protected Bike Lanes

- Provide barrier between cyclists and traffic
- Create shorter, safer pedestrian crossings
- May include floating parking, narrower roadway has traffic calming effect
  - 21% decrease in pedestrian injuries
  - 15% decrease in motor vehicle occupant injuries



Data from 25 separate protected bicycle lane projects installed from 2007-2014 with 3 years of after data. Includes portions of 1 Ave, 2 Ave, 8 Ave, 9 Ave, Broadway, Columbus Ave, Hudson St, Lafayette St / 4 Ave, Sands St, Allen/Pike St, Kent Ave, Prospect Park West, Flushing Ave, Bruckner Blvd & Longfellow Ave, Imlay St / Conover St, Paerdegat Ave. Only sections of projects that included protected bike lanes were analyzed.  
Source: NYPD AIS/TAMS Crash Database

# Street Improvement Project Toolbox – Bike Facilities

## Shared Lanes

- Alert drivers and cyclists of shared space
- Provide wayfinding for people on bikes
- Guide bicycles away from open car doors



# BIKING IN SOUTHERN BROOKLYN – Major Destinations and Ridership



**Shore Parkway Greenway**  
2200+ cyclists



**Ocean Parkway Greenway**  
1200+ cyclists

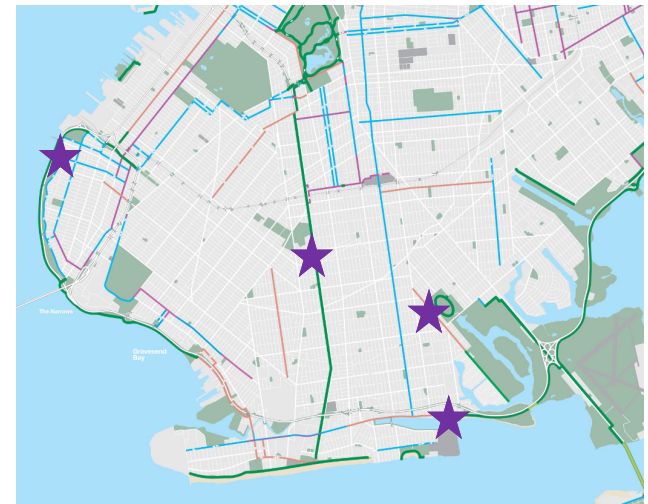
**27%** of Bensonhurst & Bay Ridge residents  
**17%** of Sheepshead Bay & Coney Island residents  
**ride a bike**  
(at least once in past year)  
Source: 2014 NYC Community Health Survey



**Marine Park Path**



**Jamaica Bay Greenway**  
1600+ cyclists





## PREVIOUS PROJECTS

- 2003 Bike Lanes (Shore Rd, Colonial Rd)
- 2015 Bike lanes (72<sup>nd</sup> St, 68<sup>th</sup> St, Ft Hamilton Pkwy, 6<sup>th</sup> Ave, Marine Ave)



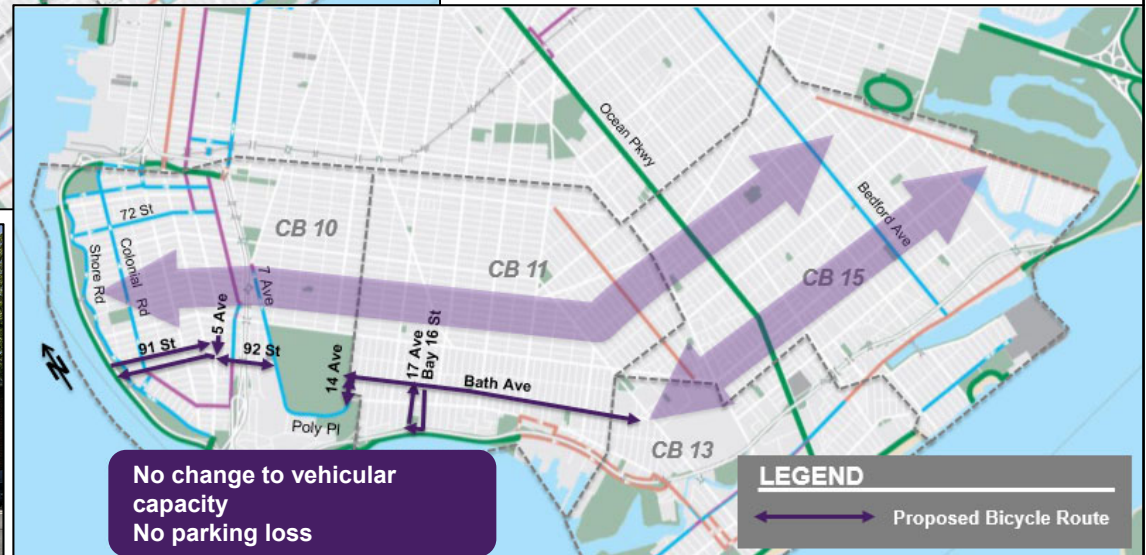
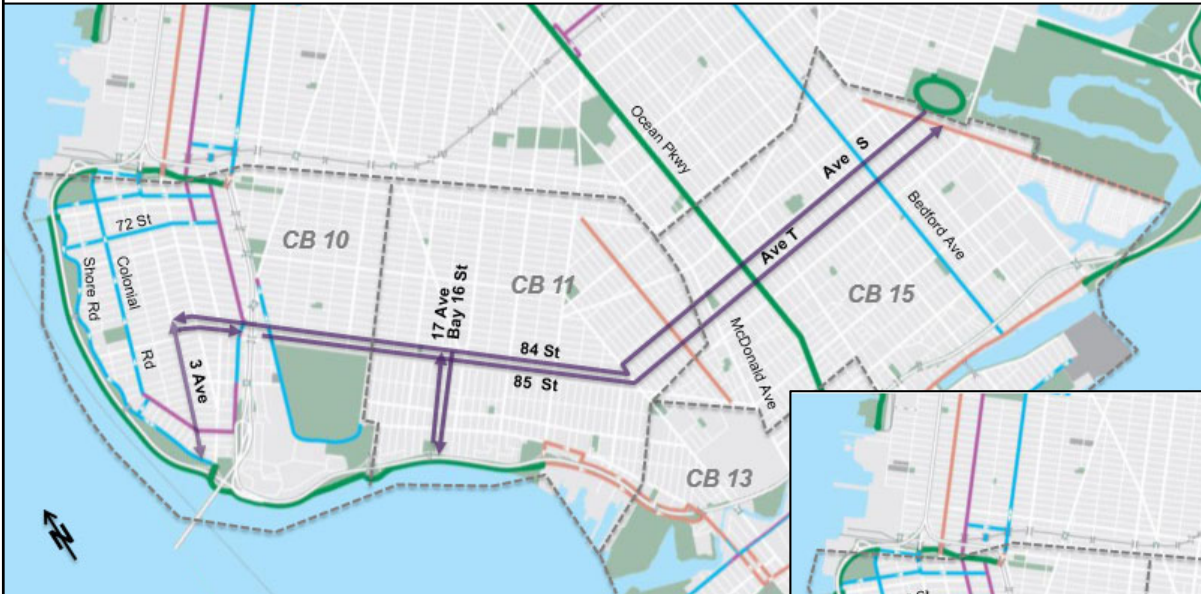
# Background

## PREVIOUS PROPOSALS

- 84 St/85 St/Ave S/Ave T proposal to District Managers of CBs 10, 11, 13, and 15
- 92 St proposal



Bath Ave



92nd St

# EXISTING BIKE NETWORK



## GOALS

- Complete neighborhood network within Bay Ridge
- Extend the network into Dyker Heights
- Improve access to recreational paths and greenways



# THANK YOU!

## Questions?



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