



# Citi Bike Expansion & Infill

---

Manhattan Community Board 6

December 7, 2020



---

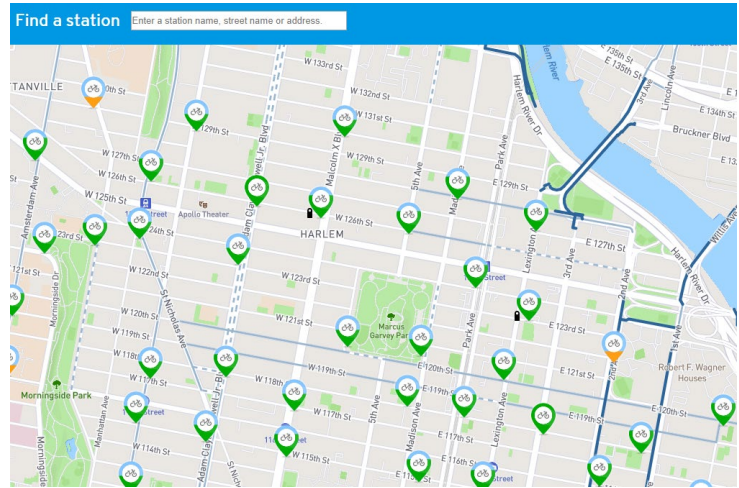
## Citi Bike Overview

# 1

# What is Citi Bike?

## New York City's Bike Share System

- **Network of shared bicycles**
  - Intended for point-to-point transportation
- **Increased mobility & convenience**
  - Additional transportation option
  - System operates 24/7
  - No need to worry about bike storage or maintenance
- **Public-Private Partnership**
  - NYC DOT responsible for planning, outreach, oversight
  - Lyft responsible for day-to-day operations, equipment, and maintenance



# Citi Bike to Date

## 7 years of Citi Bike

- **Launch – Phase 1**

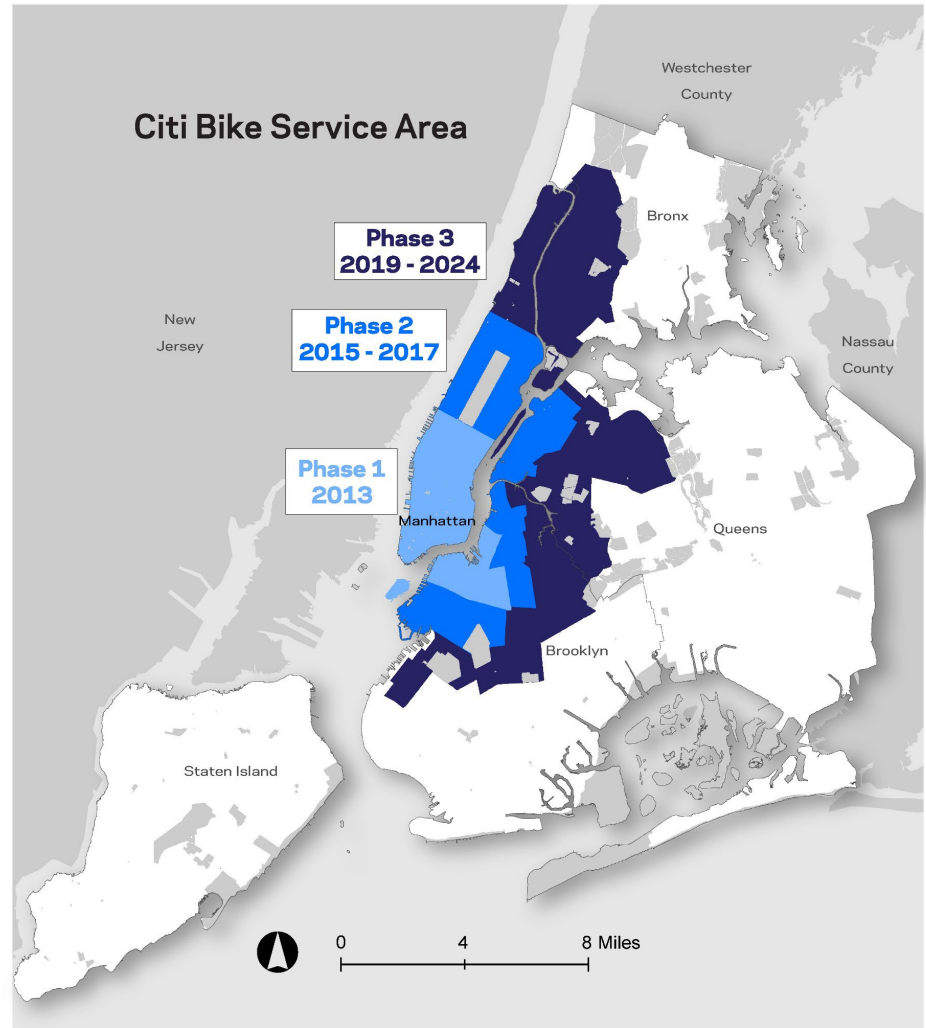
- 2013
- Manhattan & Brooklyn
- 330 Stations
- 6,000 Bikes

- **Phase 2**

- 2015 – 2017
- Manhattan, Brooklyn, Queens
- 750 Stations
- 12,000 Bikes

- **Phase 3**

- 2019 – 2024
- Manhattan, Brooklyn, Queens, Bronx
- + 35 square miles
- + 16,000 bikes



# High Ridership

## By the numbers

107+ million trips to date

5.5+ trips per day per bike

~70,000 daily trips in peak riding months

90,000+ daily rides during busiest days

170,000+ annual members

**+17% Growth**  
in daily **Citi Bike**  
use from 2018 to 2019

Year-Round average trips  
per day on **Citi Bike**  
2017: 44,824  
2018: 48,315  
**2019: 56,497**



**20.6 million** Citi Bike trips in 2019

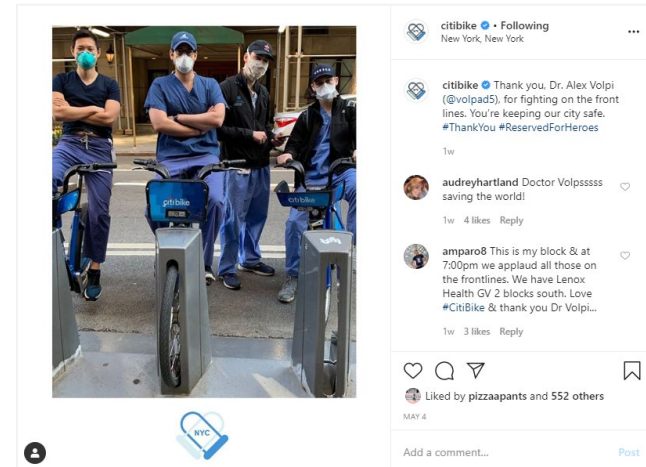




# COVID-19 and Citi Bike

## NYC DOT & Lyft Response

- **Ensuring rider and employee safety**
  - Cleaning high-contact areas on bikes when returned to depot
  - Disinfecting bikes when docked at high-use stations near hospitals
  - Using social distancing practicing in the field and while handling bikes
- **Critical Workforce Membership Program**
  - Provides free memberships for essential workers



---

## Phase 3 Expansion & Infill

# 2

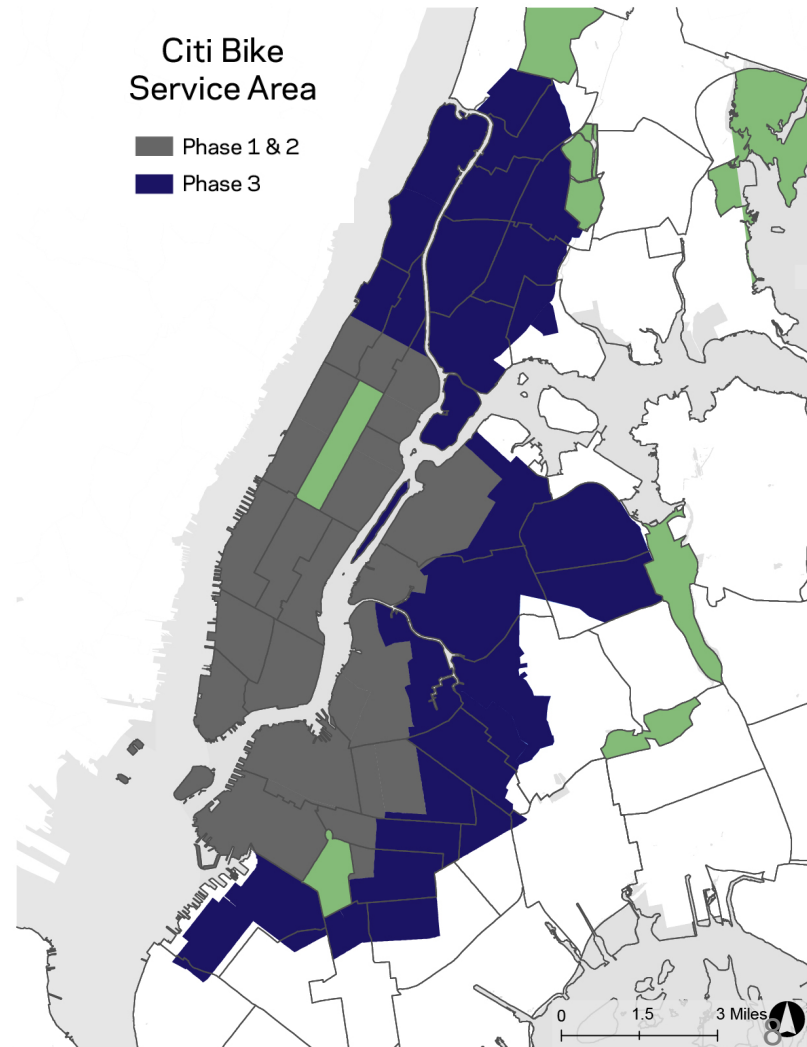
# Phase 3 Expansion & Infill

**Phase 3 Expansion** brings Citi Bike to new parts of NYC and will double geographic size of system

- **32,000 docks**
- 16,000 bicycles
- In ~35 square miles

**Phase 3 Infill** adds new capacity to the existing (Phase 1 & 2) service area

- **16,000 docks**
- 8,000 bicycles
- In ~33 square miles already containing:
  - **29,000 docks**
  - 13,250 bicycles





# Why is Infill part of Phase 3?

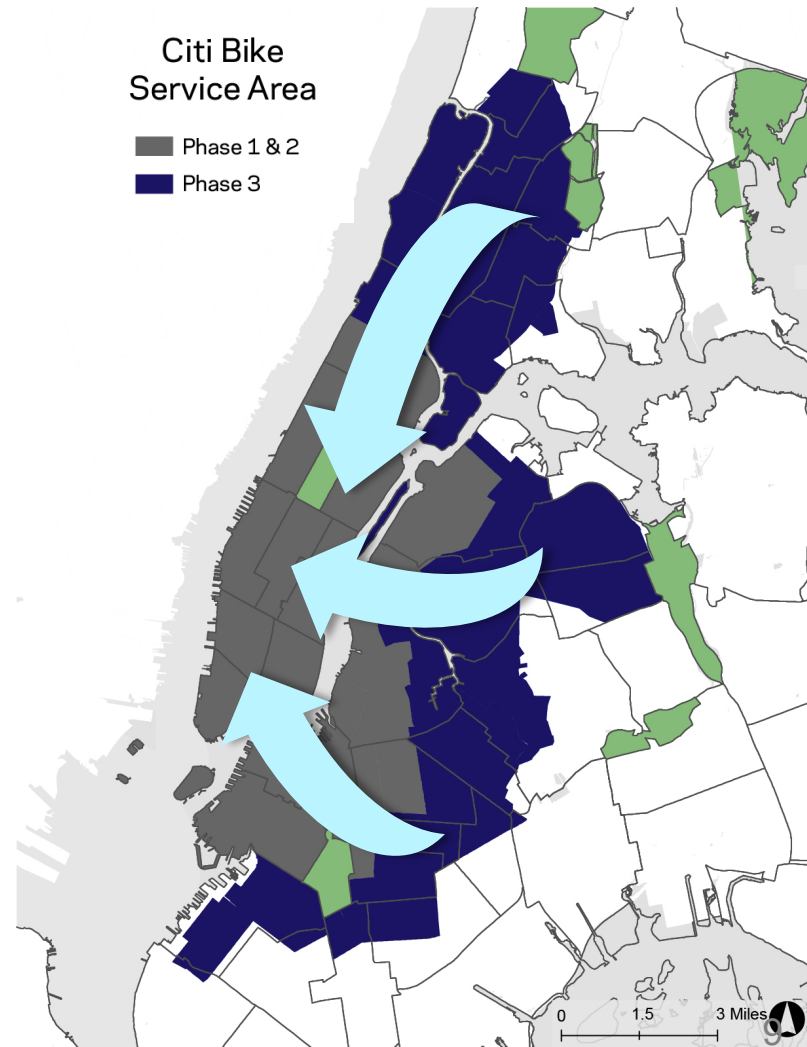
**A larger Citi Bike system will have many more bicycles in its core**

**Citi Bike rider “gravity” pulls bicycles to the center**

- Similar to other transit modes, riders move towards the Central Business Districts
- Demand for bikes shifts throughout the day

**Infill helps a larger system to function**

- Supports increased demand from Phase 3 Expansion
- Helps meet existing unmet demand when riders cannot find a bike or dock
- Improves rebalancing and overall system operations



# Timeline & Principles

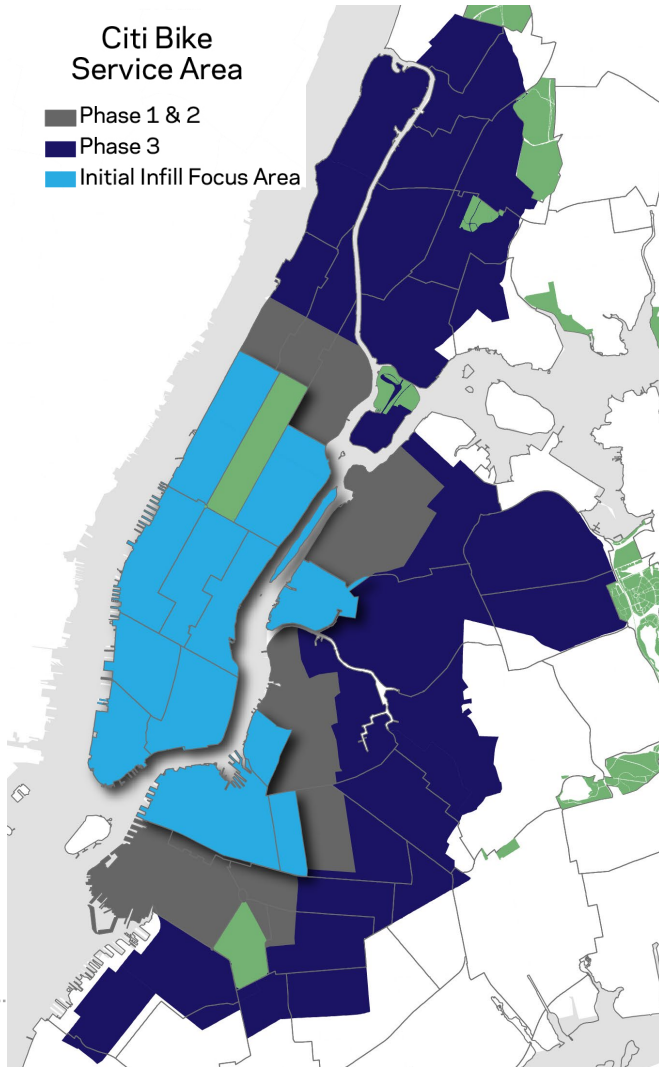
**Infill dock distribution to be based on rider demand for more capacity**

**Four-year, ongoing rollout of new and expanded stations**

**Areas of highest demand will receive the most docks**

## **Rolling installations**

- Installations may cover multiple Community Boards at a time
- Iterative planning process will address changes in demand as system expands



# Design Toolbox

## Diverse options for increasing capacity

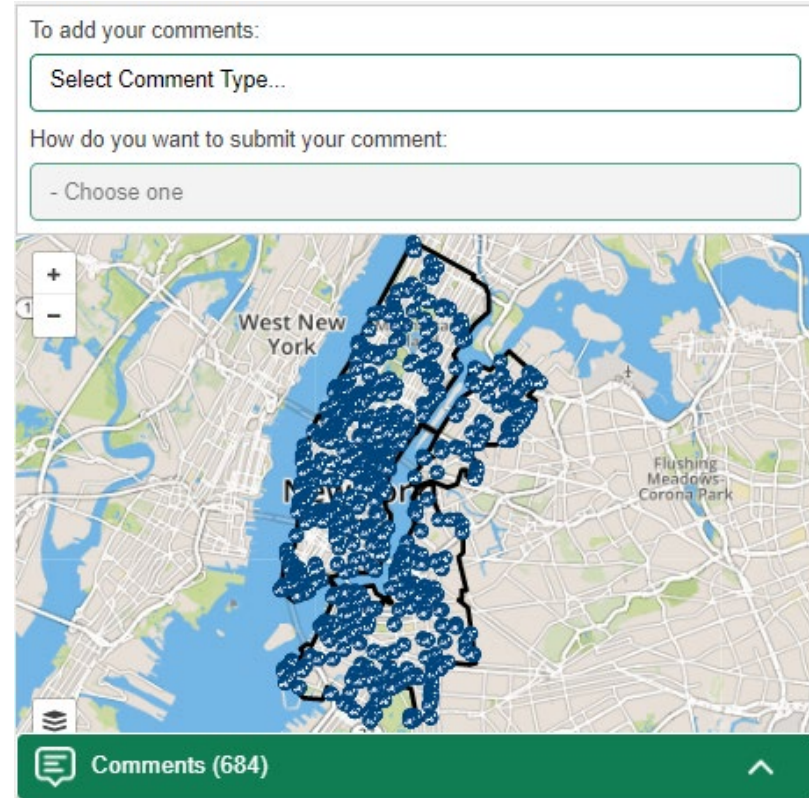
1. New Stations
2. Expanded Existing Stations
3. Creative Design Solutions
  - 3-D Bridging



# Planning Process

## Rolling outreach and installations

- **Community feedback:** online feedback portal, requests from riders and stakeholders
- **Station siting:** using ridership data and technical criteria to identify feasible locations
- **Community notification:** notify property owners, Community Board, and key stakeholders prior to installation
- **Installations**
- **Ongoing monitoring**



---

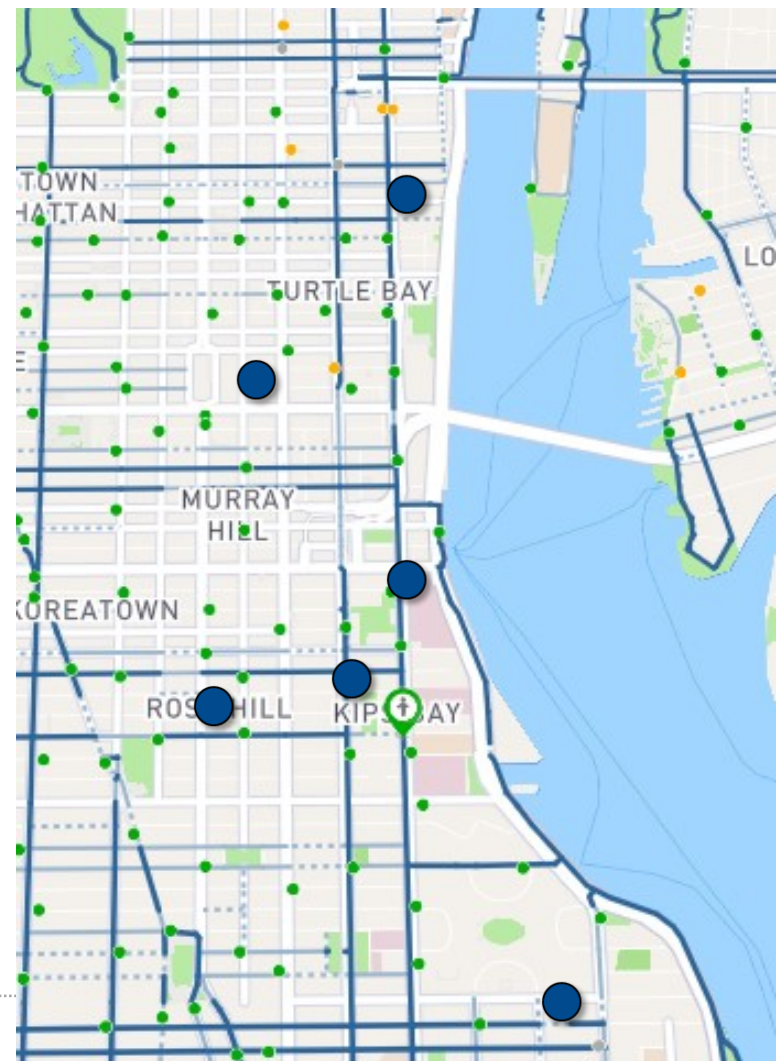
## New Stations in Community Board 6

# 3

# New Stations Overview

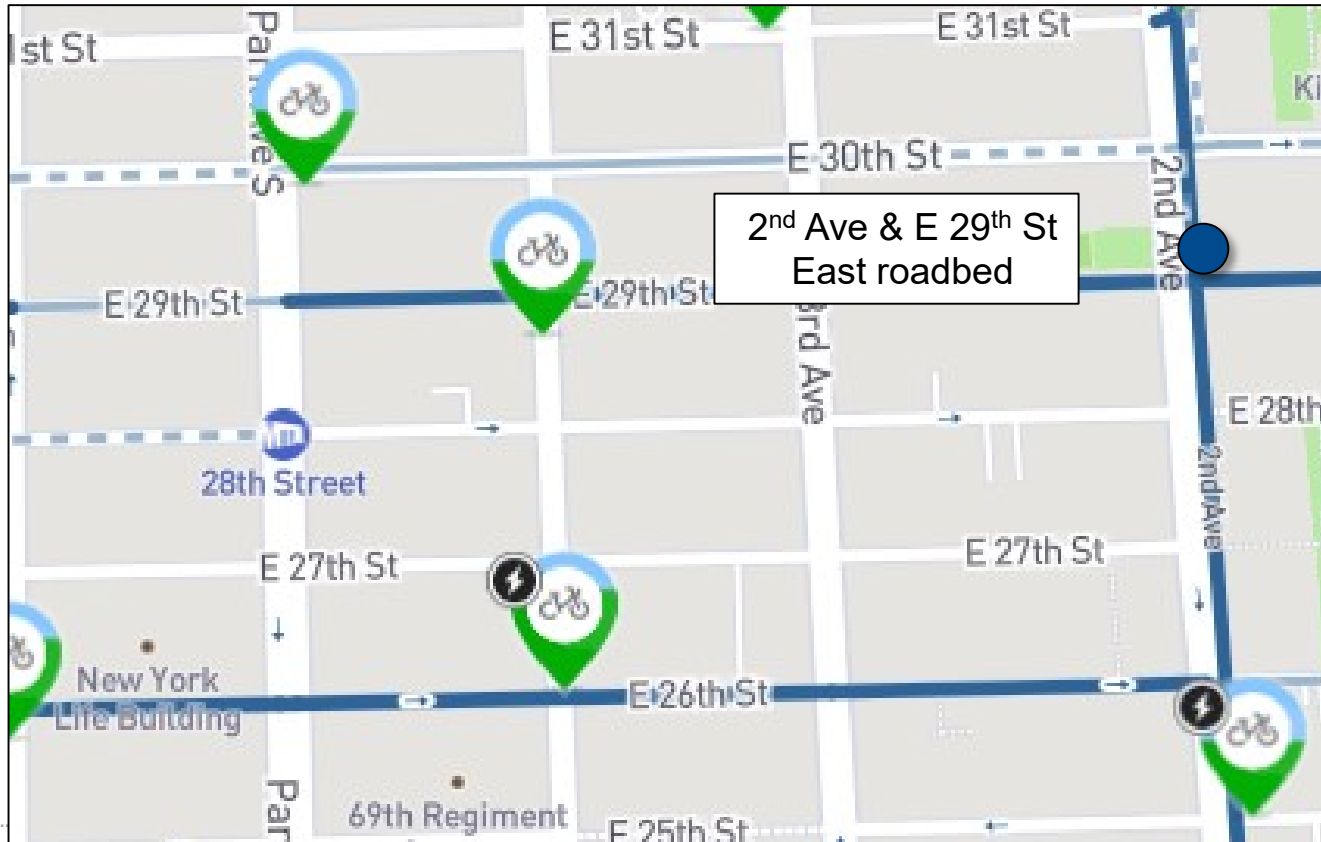
## 6 New Stations:

- E 27<sup>th</sup> St & Park Ave
  - South roadbed
- 2<sup>nd</sup> Ave & E 29<sup>th</sup> St
  - East roadbed
- E 34<sup>th</sup> & 1<sup>st</sup> Ave
  - South sidewalk
- E 44<sup>th</sup> and Lexington Ave
  - South roadbed
- E 54<sup>th</sup> St & 1st Ave
  - South roadbed
- E 14<sup>th</sup> St & Ave B
  - North sidewalk

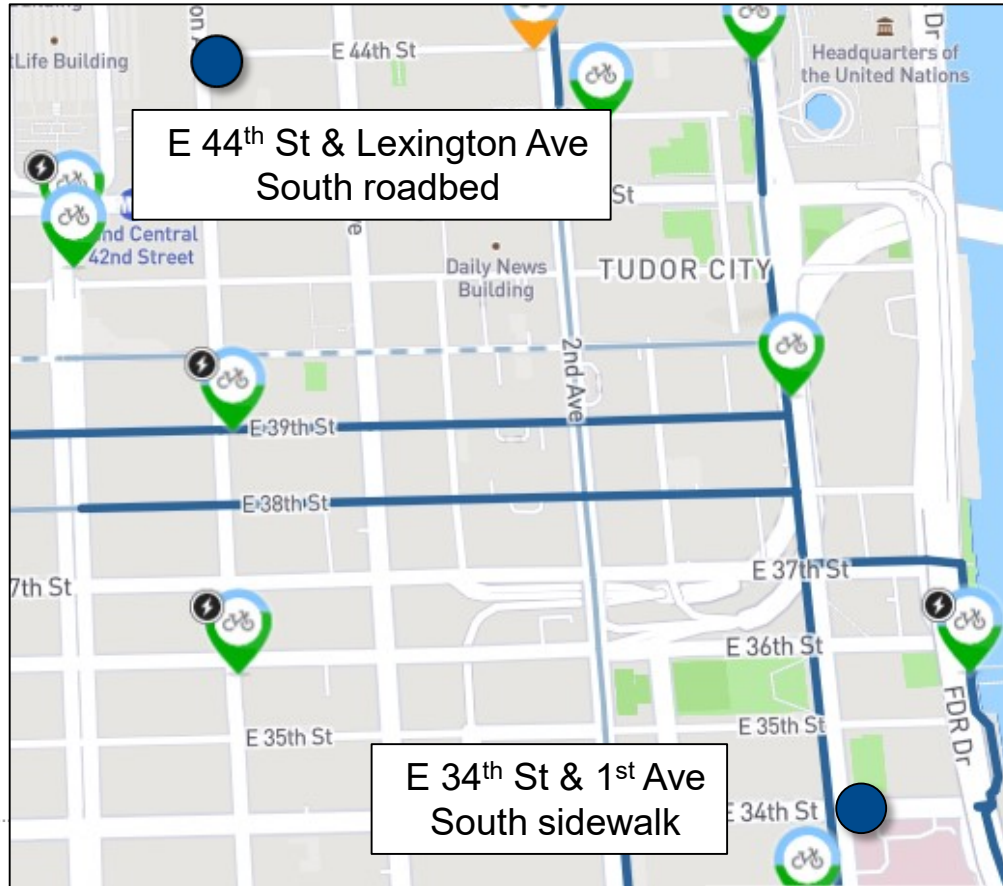




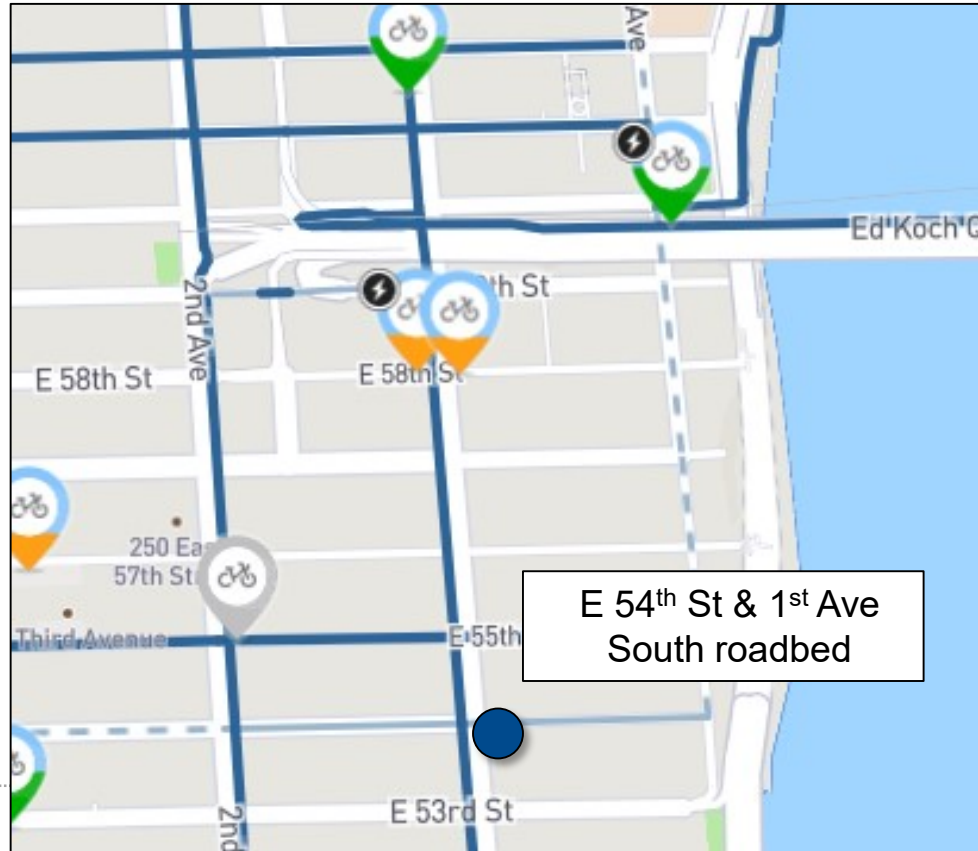
# New Stations



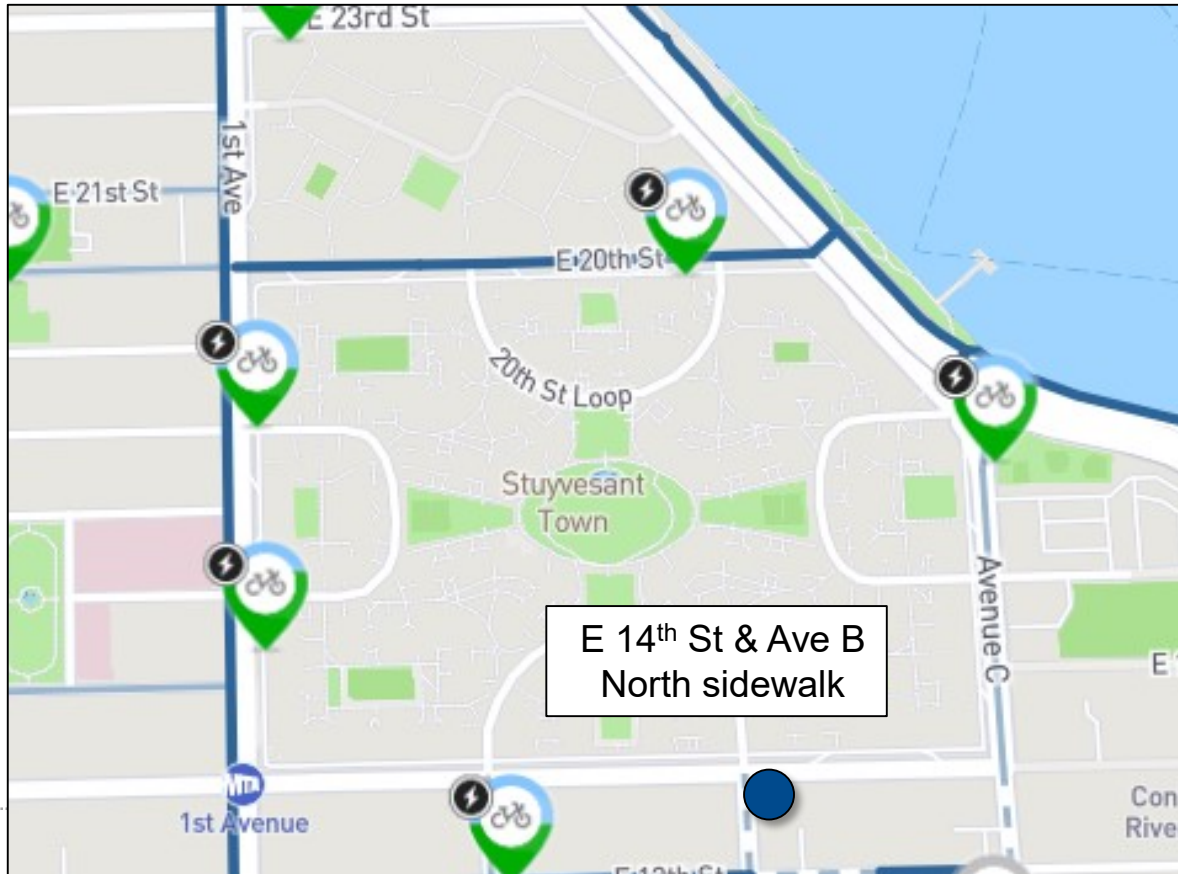
# New Stations, cont.



# New Stations, cont.



# New Stations, cont.



# Thank You!



NYCDOT



nyc\_dot



nyc\_dot



NYCDOT