Citi Bike Expansion & Infill
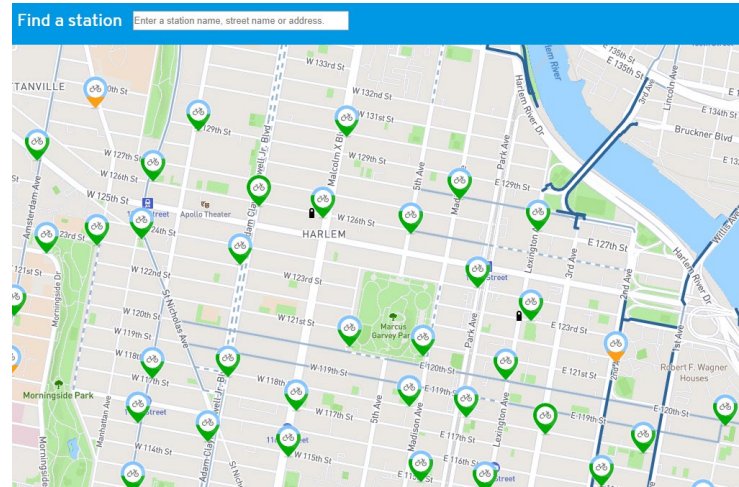
Manhattan Community Board 1

November 5, 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 of 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

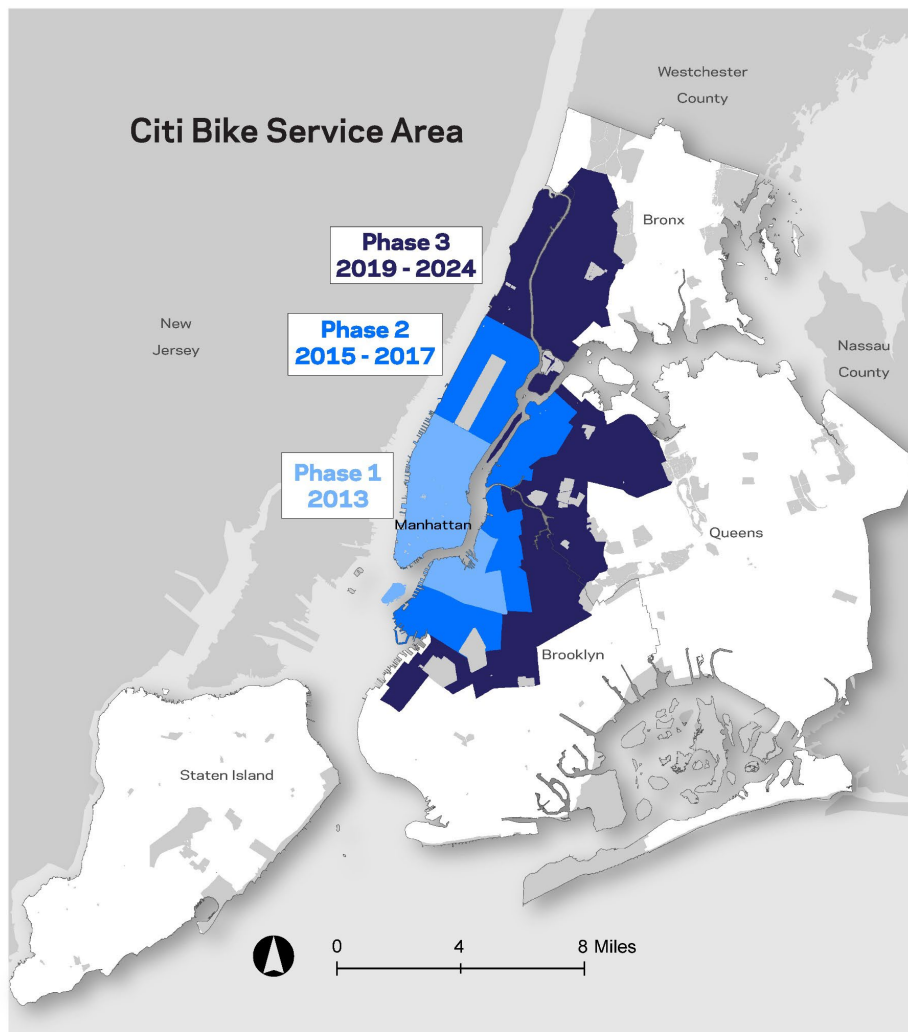- **Launch – Phase 1**
  - 2013
  - Manhattan & Brooklyn
  - 330 Stations
  - 6,000 Bikes

- **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

Citi Bike Service Area

Phase 3
2019 - 2024

Phase 2
2015 - 2017

Phase 1
2013

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
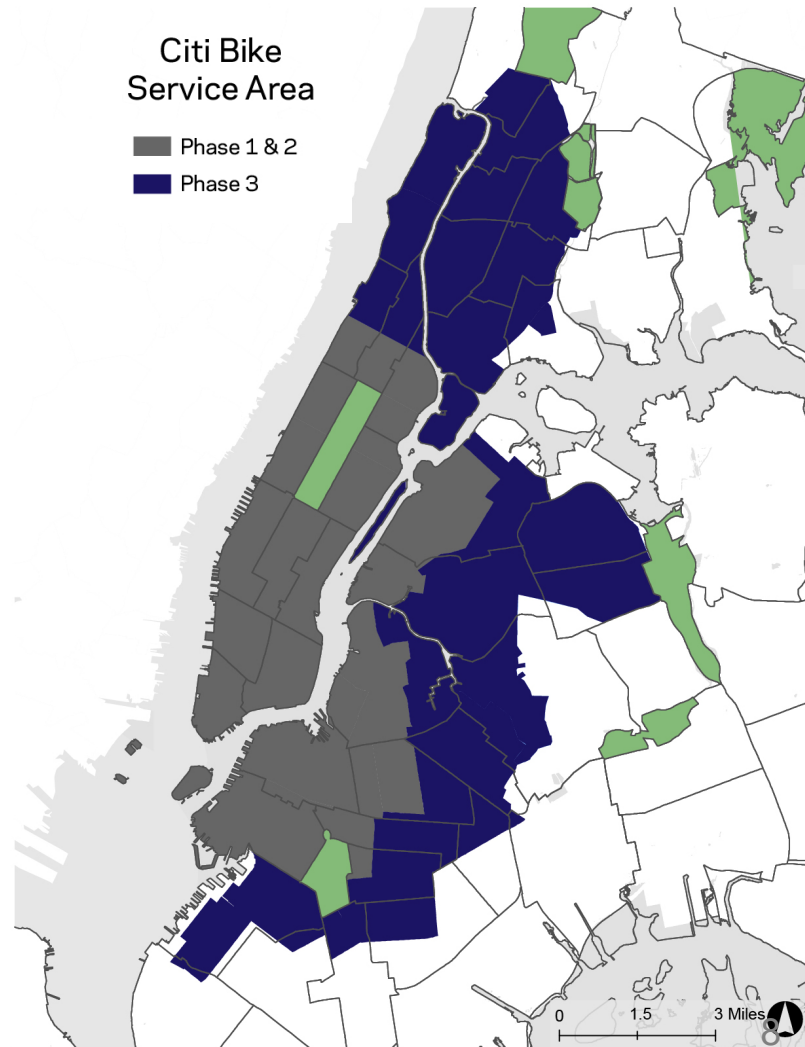
Phase 3 Expansion & Infill

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

Citi Bike Service Area

Phase 1 & 2
Phase 3

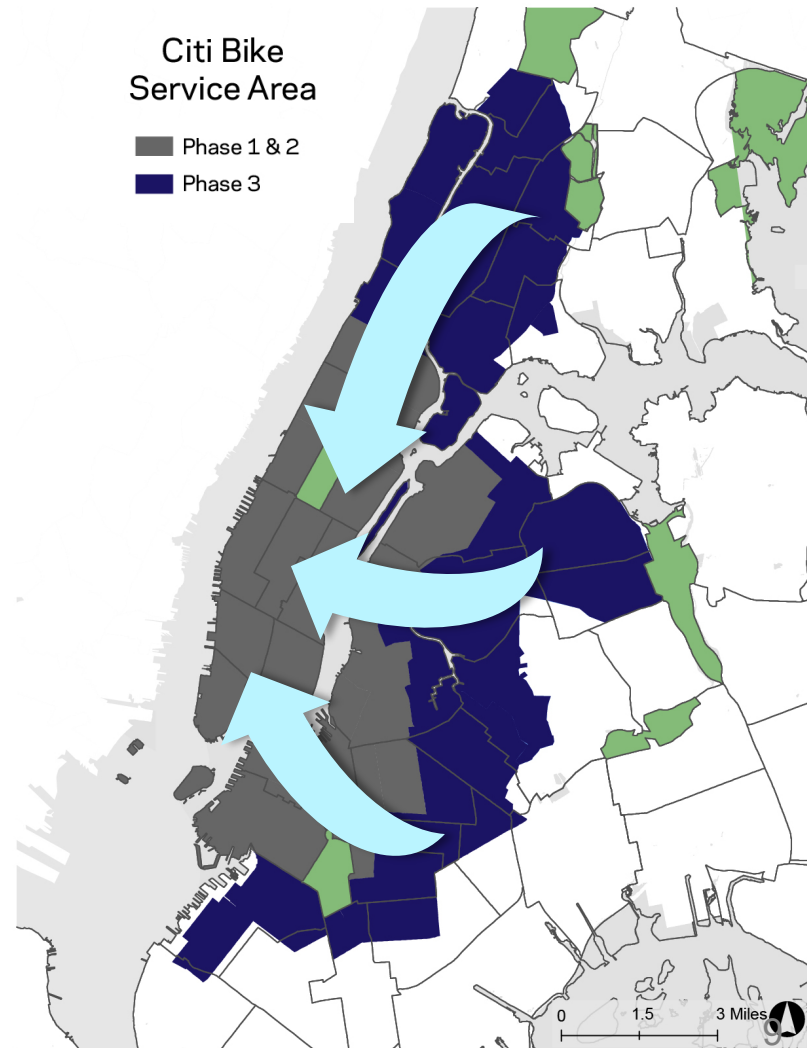0   1.5   3 Miles

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

Citi Bike Service Area
- Phase 1 & 2
- Phase 3

0   1.5   3 Miles
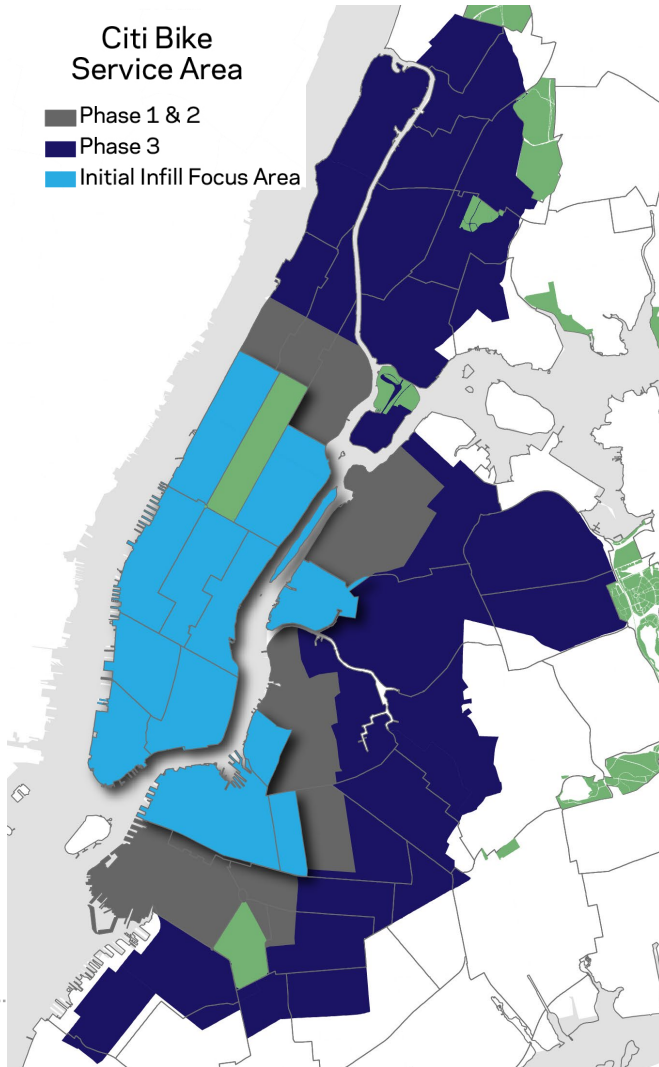
Timeline & Principles

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

Citi Bike Service Area
- Phase 1 & 2
- Phase 3
- Initial Infill Focus Area

Design Toolbox

Diverse options for increasing capacity

1. **New Stations**

2. **Expanded Existing Stations**

3. **Creative Design Solutions**
   - 3-D Bridging

3D Bridging

Planning Process
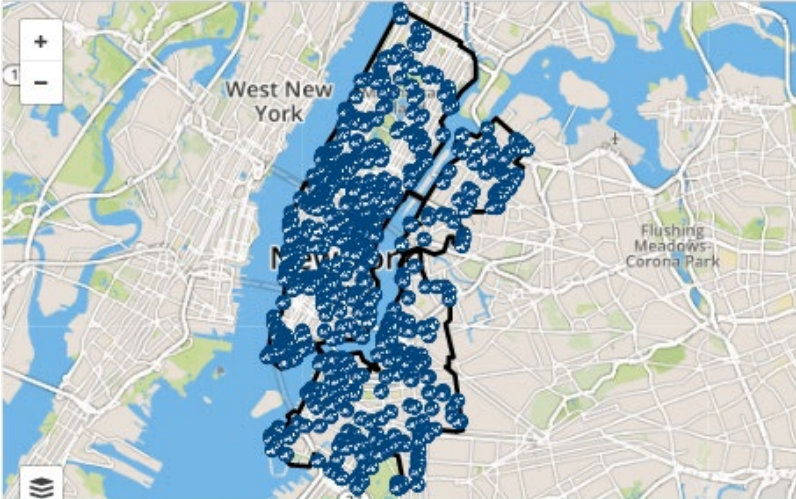
Rolling outreach and installations

- **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**
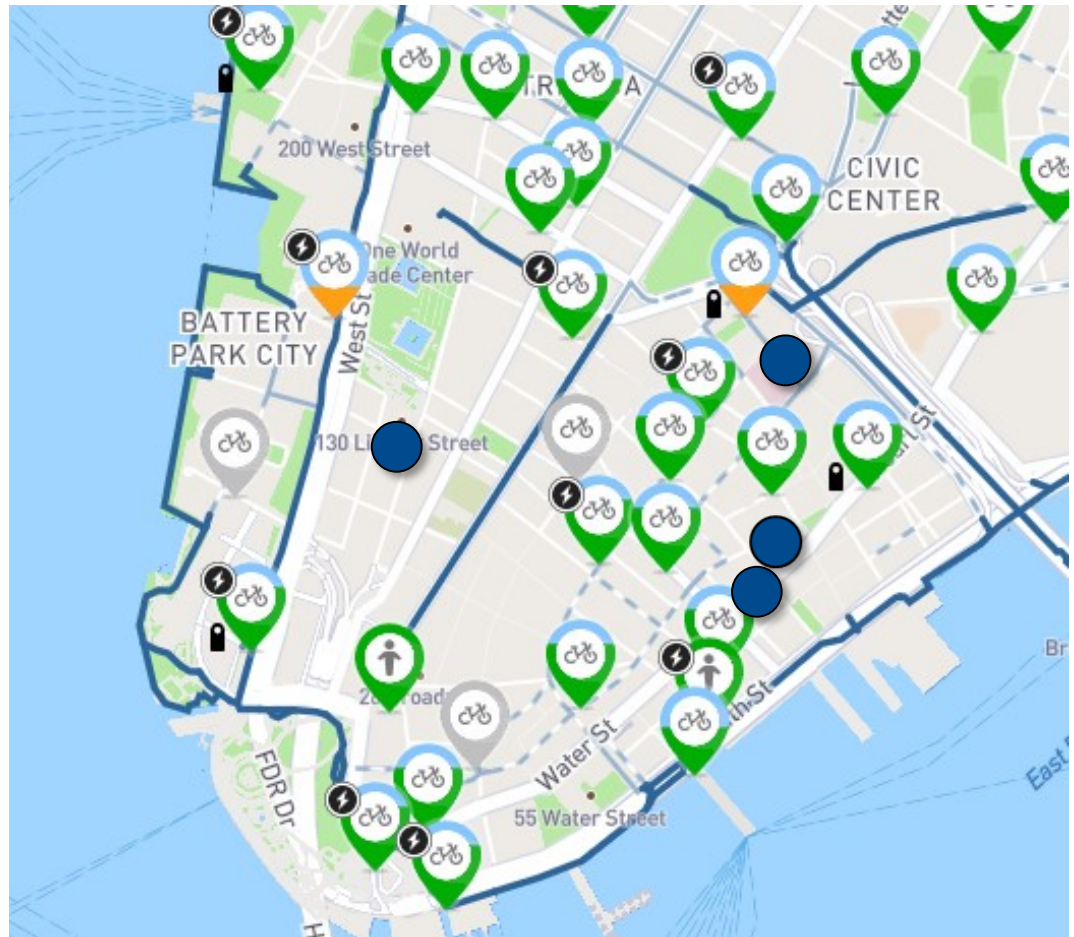
- **Ongoing monitoring**

New Stations in Community Board 1

3

New Stations Overview
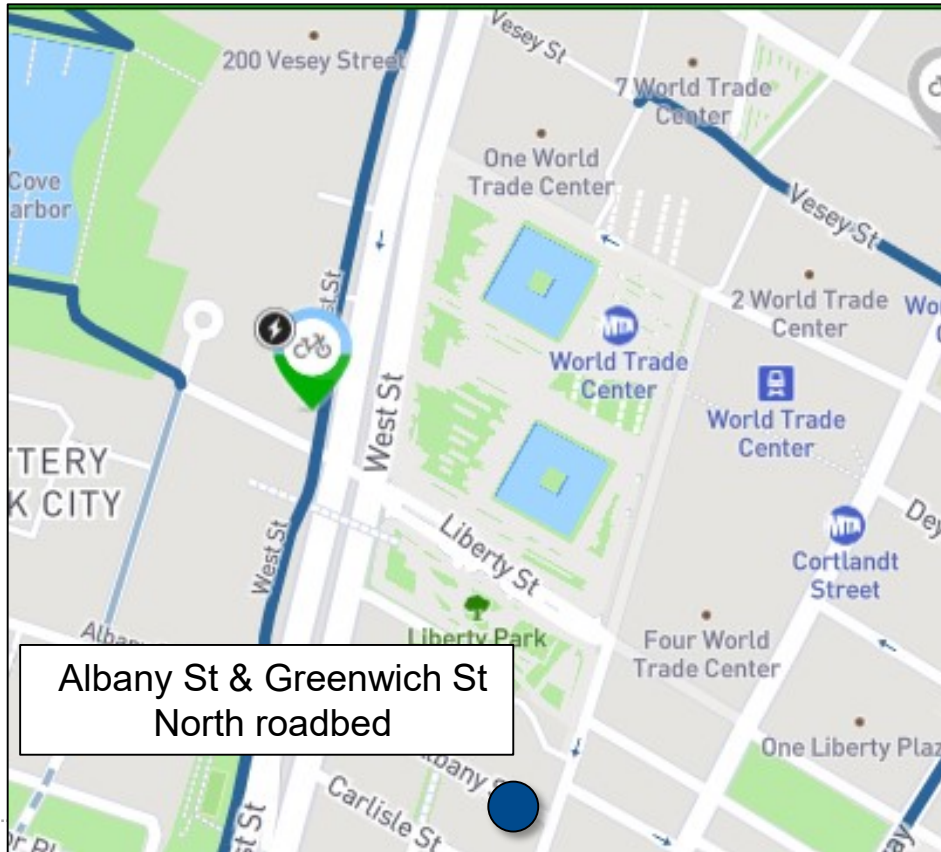
4 New Stations:

- Water St & John St
  - West roadbed

- Spruce St & Gold St
  - East roadbed

- Fulton St & Pearl St
  - West sidewalk

- Albany St & Greenwich St
  - North roadbed

New Stations

Spruce St & Gold St
East roadbed

Fulton St & Pearl St
West sidewalk

Water St & John St
West roadbed

New Stations, cont.

Albany St & Greenwich St
North roadbed

Thank You!

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