



Soundview Street Improvement Project

Phase I

Presented to Bronx Community Board 9 on November 4th, 2021



Overview

- Background
 - Cycling in numbers
 - Safety
 - Scooter Share Pilot Program
 - Existing Bicycle Connections
- Proposal
- Summary
- Next Steps



Background



Cycling in Numbers

Network Map:

DOT is responsible for the largest bike network in North America with over **1,375+** lane miles

NYC Ridership:

- **774,000** ride a bicycle regularly (at least several times a month)
- **530,000** daily commuting bicycle trips (2019)
- **116%** increase in daily cycling (2009-2019)



Safety

From 2014 to 2018:

554 pedestrian were injured

180 cyclists were injured

2,663 motorists were injured

123 severe injuries

27 fatalities (2014-2021)

Bronx 2020:

9 cyclists killed; **3** in CB 9

21 pedestrians killed; **3** in CB9

89% of cyclist fatalities occurred on streets without a bicycle facility

Focus Area



Safety



Protected Bike Lanes

- **34% reduction in risk of injury**
- On the highest-risk streets, cycling risk or injury is reduced by over 60%



Standard Bike Lanes

- **32% reduction in risk of injury**
- Improved safety on all study projects



Shared Lanes

- **18% reduction in risk of injury** across all projects
- Limited use (wayfinding, as part of bike blvds, or on very narrow/low volume streets)

Source: *Safe Streets for Cycling: How Street Design Affects Bicycle Safety and Ridership*. October, 2021.

E-Scooter Share Pilot Program

Bronx E-Scooter Share Pilot Program:
Anticipated increase in ridership in the
service area

**Bird, Lime, and Veo will deploy up to 6,000
E-Scooters in Phase I & II**

Phase I: 2021-2023 Northeast Bronx
Phase II: 2022-2023 Southeast Bronx
(potential future expansion)

Bronx E-Scooter Share Pilot Program Phase I:

- **285,000** trips since pilot launch (08/15-10/31)
- **3,700** average trips per day
- **80%** of trips are under two miles

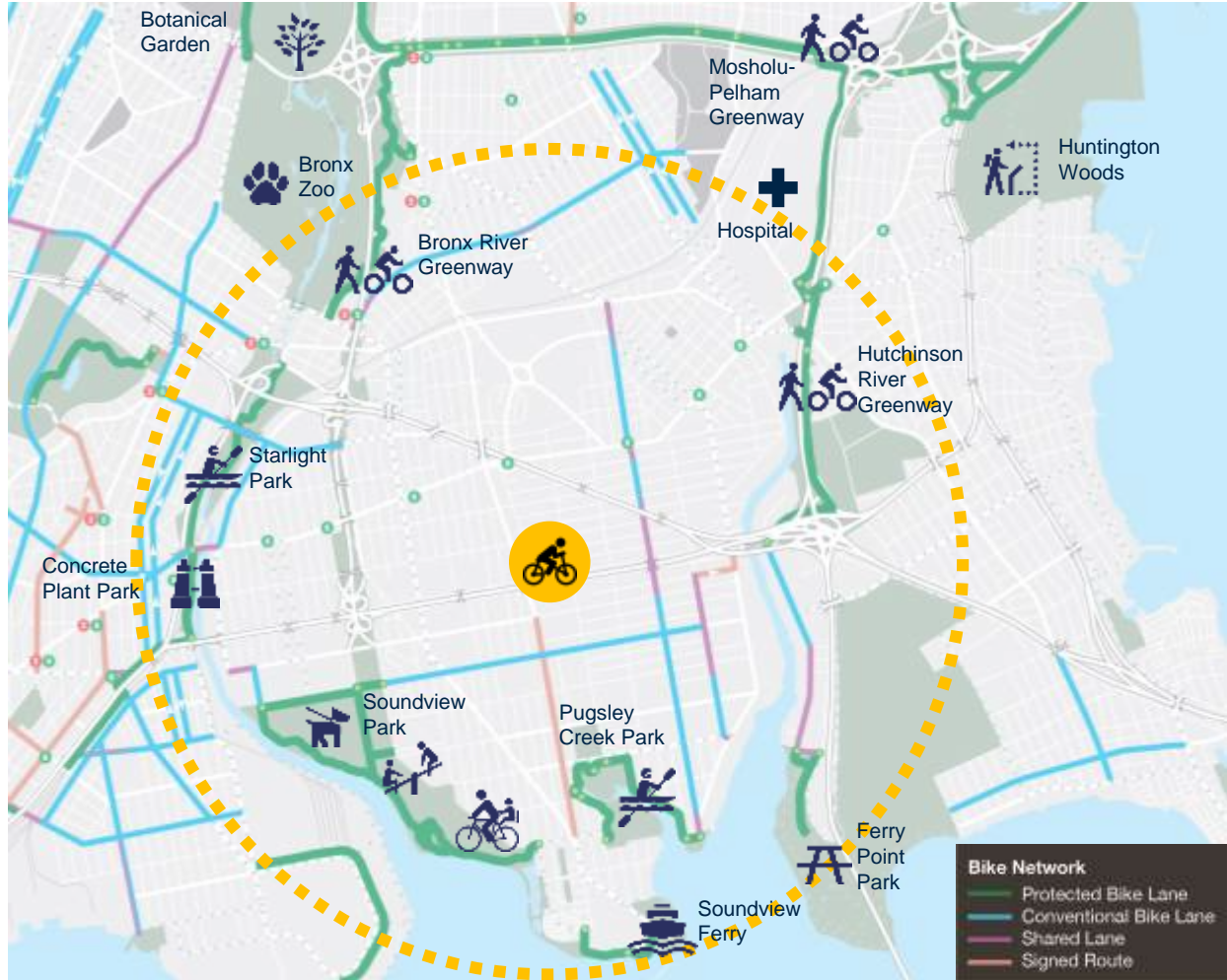


Bike Network

Limited bicycle network in Community Board 9; minimal bike connection to neighborhood destinations

Hostile crossings across the Bruckner and Cross Bronx Expwy

Expected further increase in bike and e-scooter ridership



Proposal

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Goals

Reduce the number and severity of crashes

Improve pedestrian and cyclist access and comfort

Support existing cyclists and potential future Scooter Share Pilot Program riders



Proposed Routes

- Install standard and shared bike lanes
- Add connection between greenways segments
- Focus on bike facilities north of the Bruckner Expy where there's a higher concentration of crashes and fatalities



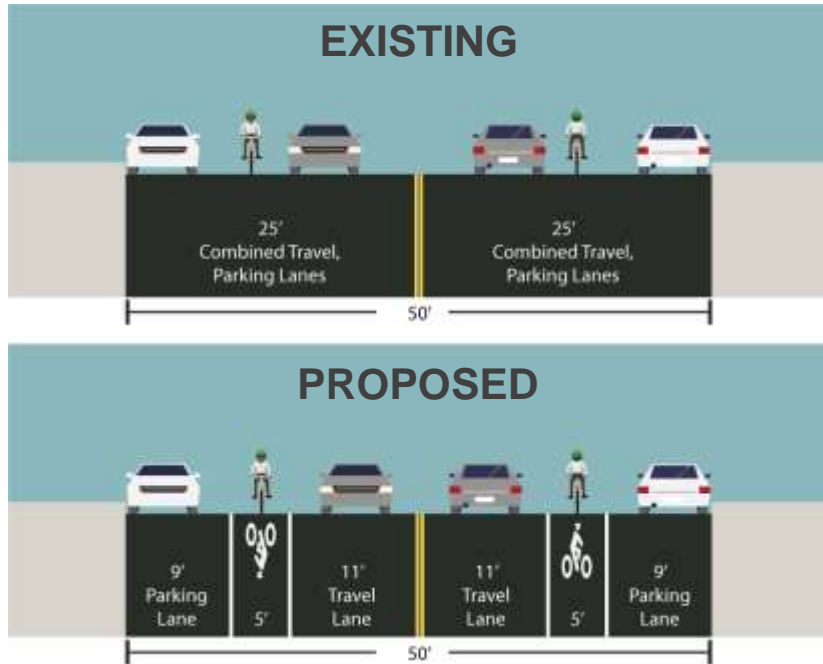
Existing

- 50' wide, two-way, one travel lane in each direction
- Wide travel lanes with no dedicated space for cyclists



Proposed

- Provides dedicated space for cyclists; bike connection to destinations
- Creates standard width travel lanes to discourage speeding



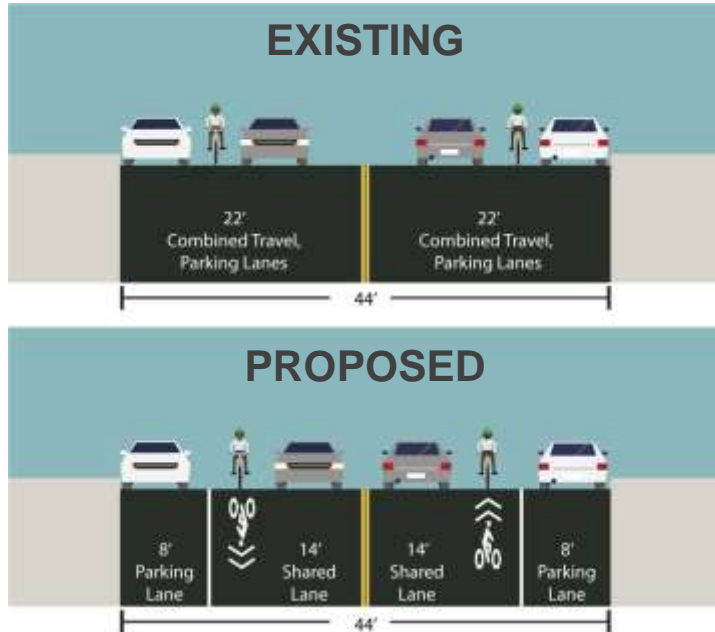
Existing

- 44' wide, two-way, one travel lane in each direction
- No bike facilities, wayfinding



Proposed

- Provides wayfinding; fills gaps in the bike network
- Guides cyclists away from the “door zone”
- Alerts motorists to the presence of cyclists in the roadway



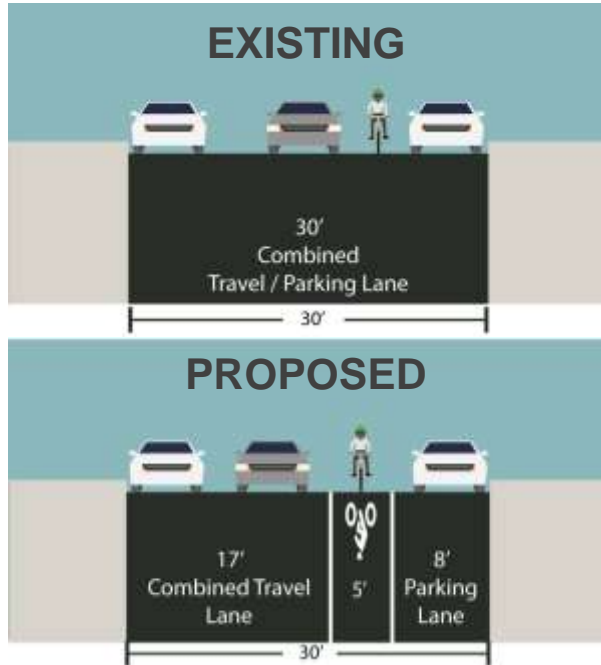
Existing

- 30'-34' wide, one-way, one travel lane
- No bike facilities, wayfinding



Proposed

- Provides dedicated space for cyclists; bike connection to destinations
- Creates standard width travel lanes to discourage speeding



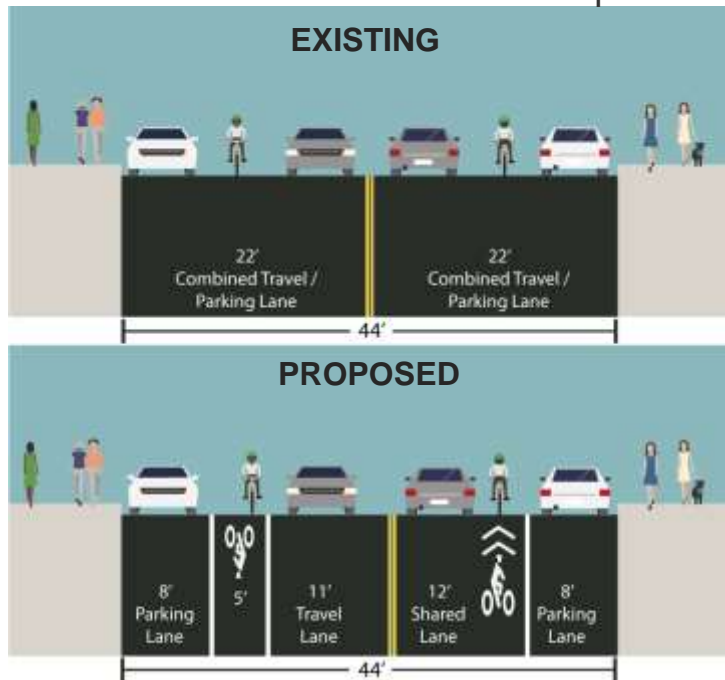
Existing

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Proposed

- Provides dedicated space for cyclists
- Guides cyclists away from the “door zone”
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Proposed design elements



Summary & Next Steps

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Summary of Benefits

Expand the bicycle network in Community Board 9

Provide safer bicycle connections, calm traffic; reduce risk of injury

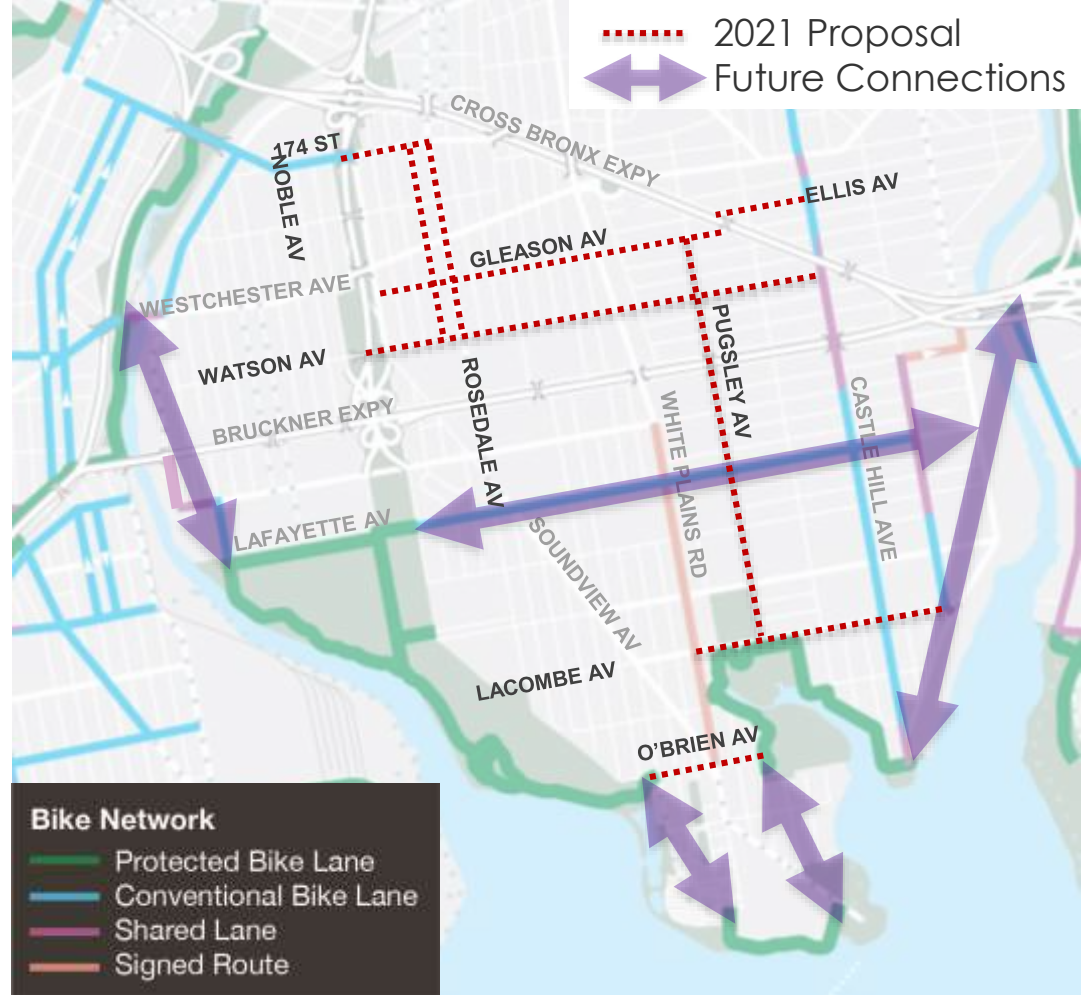
Accommodate the growing number of cyclists in the area

Support future Scooter Share Pilot Program riders



Next Steps

- Gather additional community feedback for Phase II street improvement project proposals
- Additional connections to schools, parks, greenways, and other community amenities
- Future project proposals:
 - Safer pedestrian and bicycle crossings across the Bruckner and Cross Bronx Expy
 - Protected bike lanes, pedestrian safety improvements



Thank You!

Questions?



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