

A blue-tinted photograph of a residential street. In the foreground, a person is riding a bicycle from right to left. The street has a double yellow line. In the background, there are trees, houses, and a street sign with a double-headed arrow. A street name sign for 'Van Name' is visible on the right.

Bike Boulevard Netherland Ave

Presentation to Staten Island Community Board 1

June 15th, 2021

Netherland Avenue

Bike Boulevard Proposal

- Create Low Stress Route For Cyclists
- Run Parallel to Commercial Corridor on Forest Avenue
- Potential to Connect to Wider Bike Network



Bike Boulevards

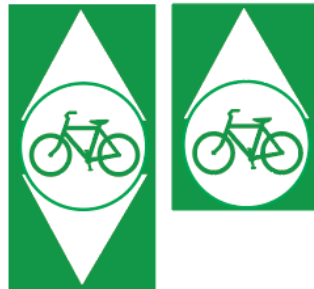
Overview

Corridor designated and designed for bicycle travel

- **Enhance** conventional, shared and signed bicycle routes

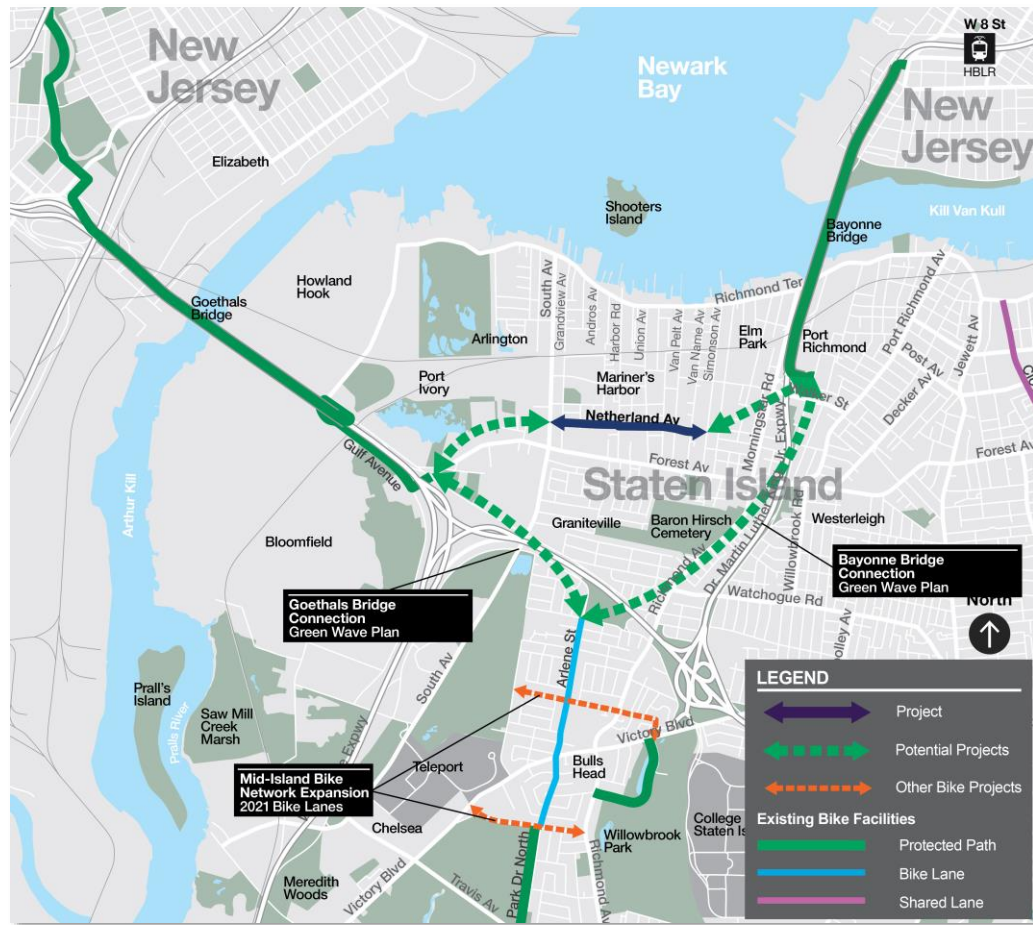
Design elements include:

- **Route planning:** direct access to destinations
- **Signs, wayfinding, pavement markings** easy to find /follow



Staten Island Bicycle Network

- Growing Mid-Island Network
- New Bridge Paths
- Connections Can Be Built Off A Netherland Ave Route





Changes

1

1. Add Shared Lanes

Existing Conditions

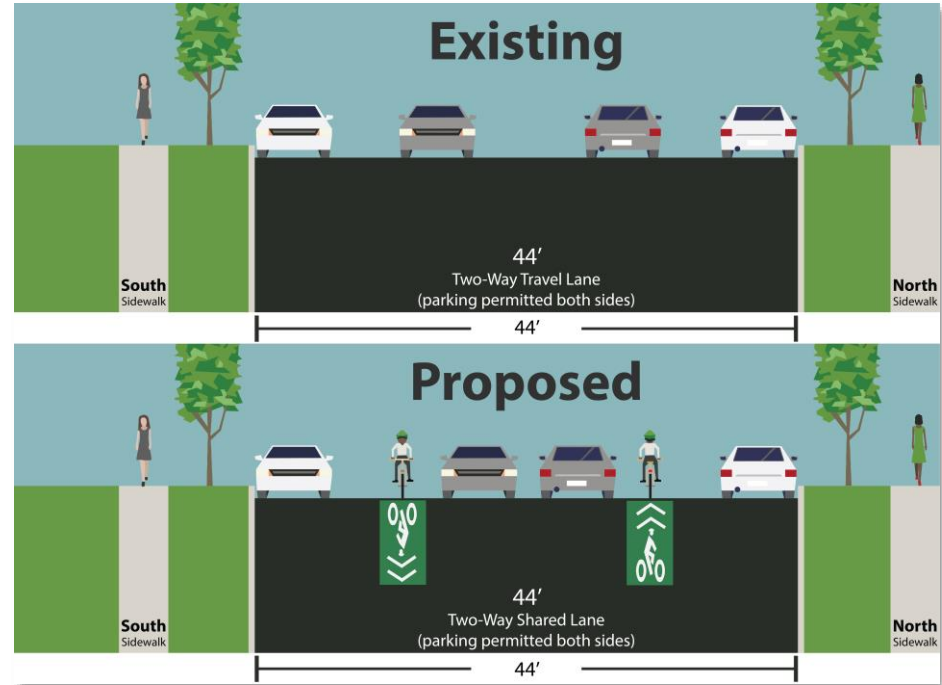
- Low Traffic Volumes
- Not Wide Enough For Dedicated Bike Lanes



1. Add Shared Lanes

Proposed Changes

- Alerts Motorists
- Guide Cyclists
- Helps with Alignment



2. Add Shared Paths

Existing Conditions

- Section of streets never built out
- Limits mobility for pedestrians and cyclists
- Request from community to make improvements



2. Add Shared Paths

Proposed Changes

- Add path to allow peds/bikes through unbuilt street sections
- Remove 2-4 parking spaces at each location, needed for access between street and new paths



3. One-Way Segment

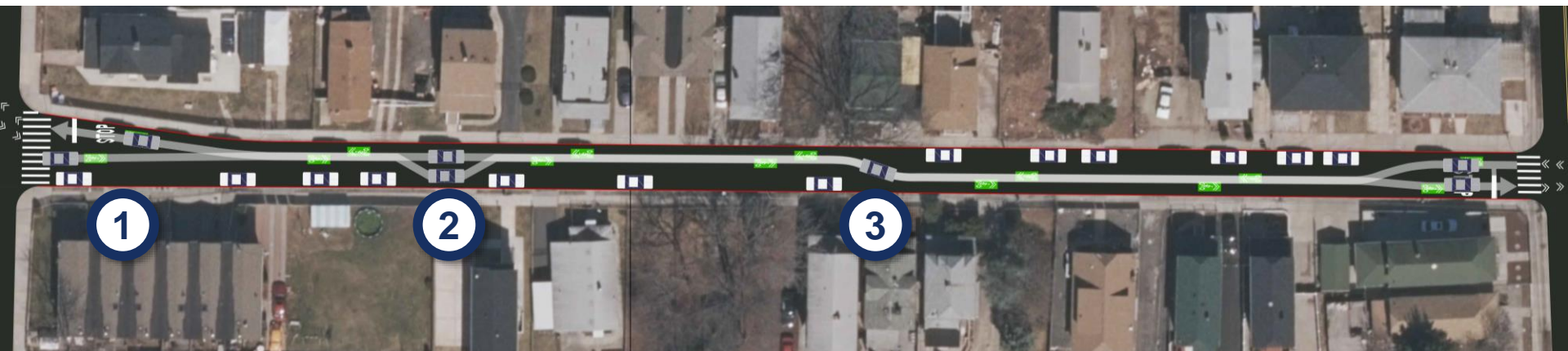
Existing Conditions

- Eastbound Traffic Only
- Parking on North Curb
- Low Traffic Volumes
- Westbound cyclists cannot pass through section
- Two-Options Examined
 - Yield Street design
 - Shared Street design



3a. Option 1 - Yield Street

Proposed Changes



1 Allow Two-Way Traffic and Add No Thru Traffic Signage

2 Reserve space for vehicles to pass each other, or in other words: “yield” to each other (4 parking spaces removed)

3 Alternate Parking To Slow Vehicles Down (Chicane)

3b. Option 2 - Shared Street

Proposed Changes

- Keep one-way vehicle traffic, but allow two-way bike traffic
- Prioritize Pedestrians and Cyclists, slow vehicles down
- Design Options:
 - Add No Thru Traffic signage
 - Limit Speed to 5 mph
 - Speed Bumps
 - Add Chicanes (similar parking loss as option 1)
 - Street Markings and Signs





Summary

2

Summary

- Add Two-Way Bicycle Boulevard
- Add Shared Paths at Union Ave and Van Name Ave
- Convert Harbor Rd to Union Av to two-way - we will monitor conditions and make changes as necessary **or** add shared street to allow two-way bike traffic
- Targeted Parking loss



Benefits

- Better Cycling
Alternative to Forest Ave
- Improved pedestrian mobility in the neighborhood
- Potential Connection to Larger Network



Thank You!

Questions?



NYCDOT



nyc_dot



nyc_dot



NYCDOT