



QUEENS CB11

BICYCLE NETWORK DEVELOPMENT

Presentation to Community Board 11
October 2021



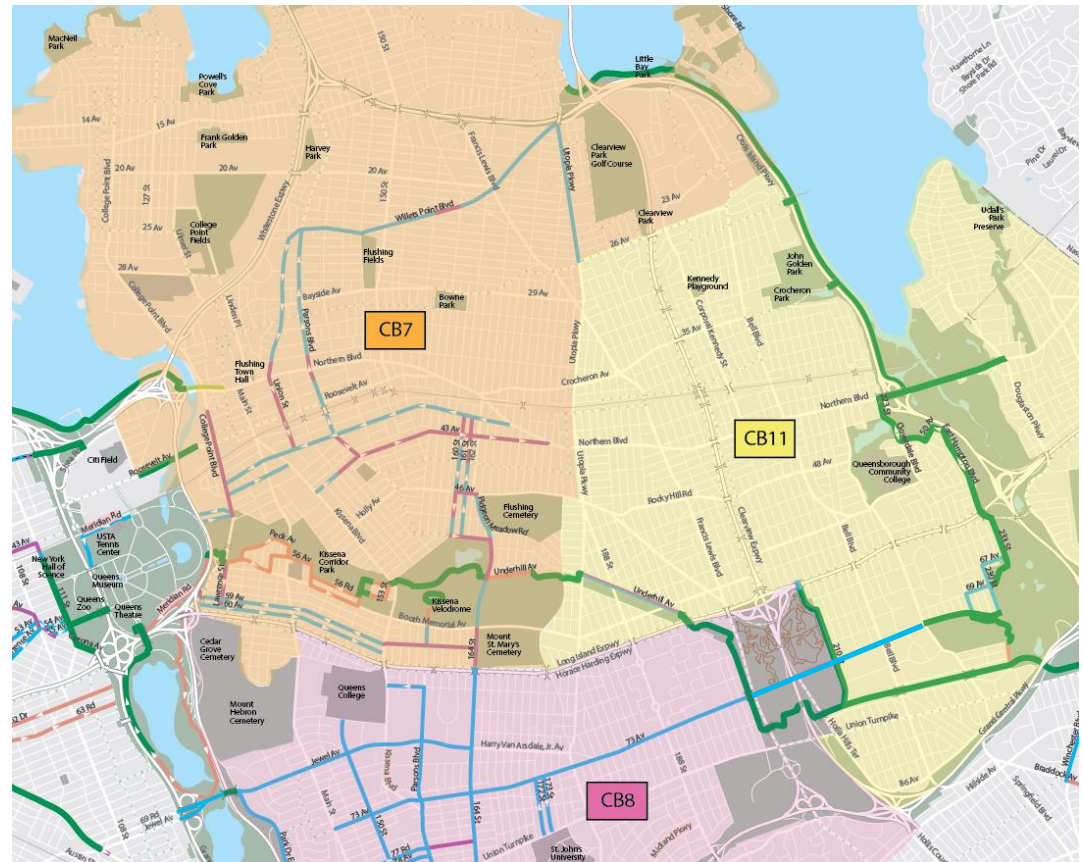
Background

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OVERVIEW

Project Location and Goals

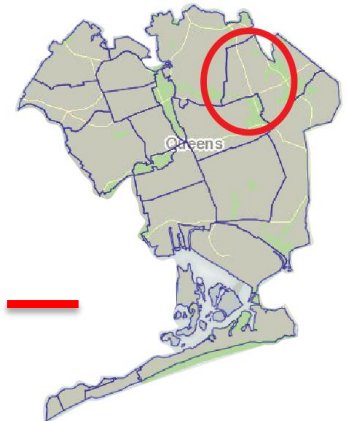
- **Build** on-street bicycle network
- **Create** new connections to key destinations in Bayside, Oakland Gardens, Auburndale, Bay Terrace, Clearview, and Fresh Meadows
- **Improve** cyclist safety without removing parking or vehicular lanes
- **Gather feedback** on route opportunities



LEGEND

Existing Bicycle Facilities

- Protected Path
- Bicycle Lane
- Shared Lane
- Signet Route

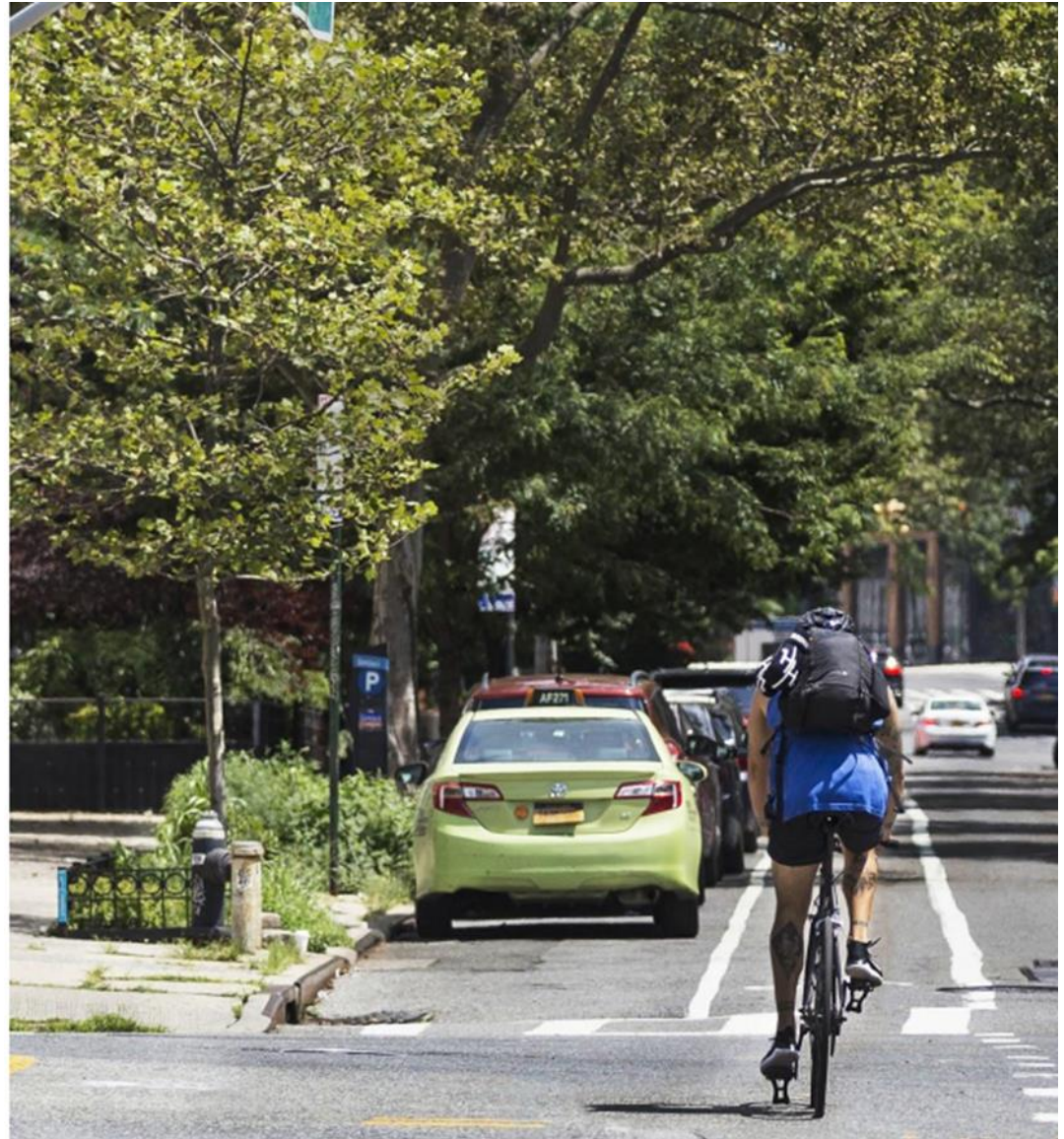


Project Location █

PLANNING CONTEXT

Project Motivation

- NYC Parks Eastern Queens Greenway planning process started September 2020
- Community requests to expand the on-street bike network and create safe connections to the greenway
- CB 11 Transportation Committee passed resolution requesting safety study on Utopia Parkway and to expand bike lane from 26th Avenue
- Initiate the planning process for developing an on-street bicycle network for CB 11

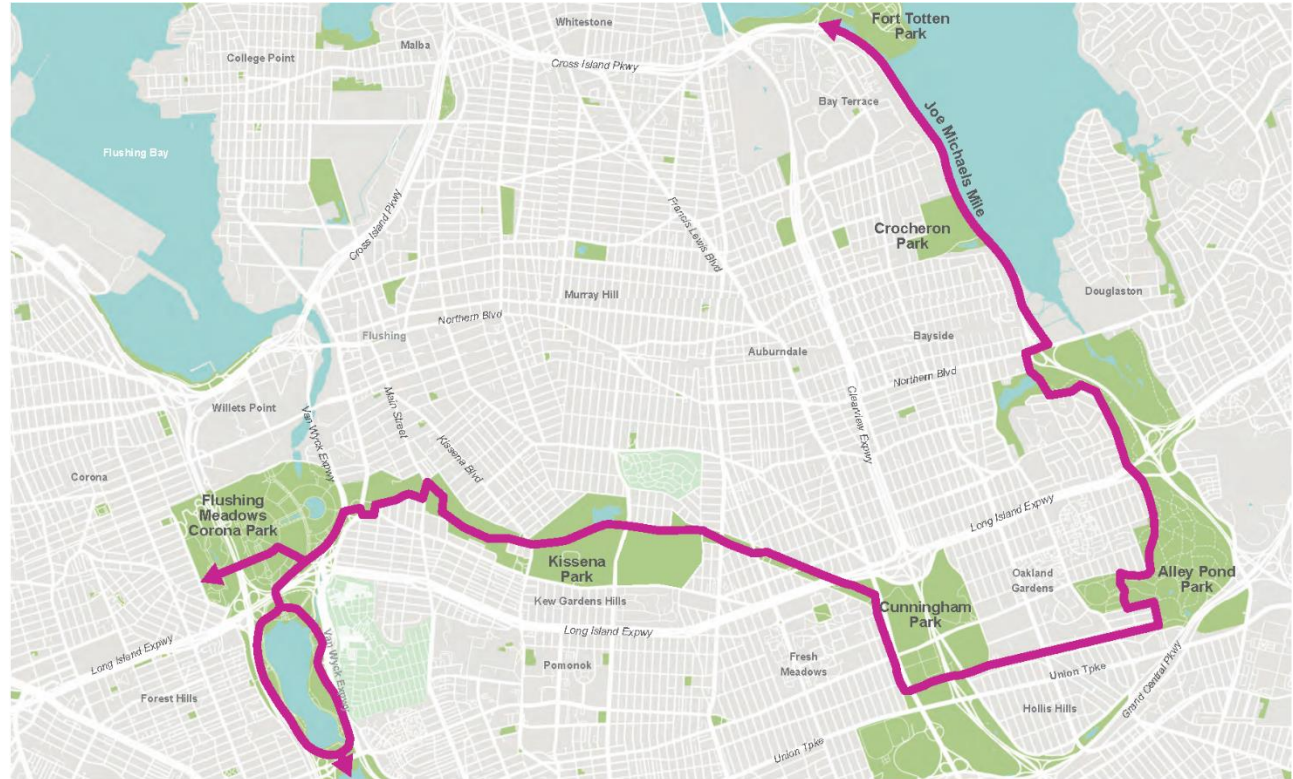


Destination Greenways!

QNS

NYC Parks + NYC DOT

- NYC Parks began planning process for capital improvements to the Eastern Queens Greenway connecting Downtown Flushing to the Joe Michael's Mile
- NYC Parks, in partnership with NYC DOT, working with a design team to create community-approved concept plans
- NYC Parks is focused inside the parks, while DOT is prioritizing on-street connections between parks to create a cohesive system



Greenway Route Stats:

- 13+ miles
- 8 bridges
- 4 underpasses
- Connecting northeast Queens communities to its network of parks

Legend

-  Tentative Greenway Route

BICYCLE ROUTE SELECTION

Existing Bicycle Lane Network

- Greenways provide pathway connections between waterfront and inland parks
- Few on-street bike facilities make it difficult to access some destinations

Street Network Issues

- Discontinuous streets & irregular street grid
- Narrow street widths
- Physical barriers created by Clearview Expressway, Cross Island Parkway, Long Island Expressway, LIRR
- Few bridges over expressways and railroad

Area Destinations

- **Parks:** Fort Totten, Little Bay Park, Crocheron Park, Alley Pond Park, Cunningham Park, Vanderbilt Motor Parkway, and Kissena Park
- **Bridges:** Whitestone, Throgs Neck, and Little Neck Bridges
- **Transit:** Auburndale & Bayside LIRR, bus routes
- **Schools:** Queensborough Community College



Toolkit

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Safety Benefits of Bicycle Infrastructure

Bike Lane Projects Increase Safety for All Road Users

- Markings organize the roadway
- Standard width lanes discourage speeding
- Bike lanes provide dedicated space for cyclists, increase predictability of cyclist location for drivers + pedestrians
- Upgraded crosswalks improve visibility and pedestrian safety



Parsons Blvd, QN

Shared Bicycle Lanes



Edgcombe Ave, Wash. Heights.

Sharrow markings guide cyclists where to ride on the street

- **Alert drivers & cyclists of shared space**
- **Provide wayfinding for cyclists**
- **Guide cyclists away from car doors**

Standard Bicycle Lanes

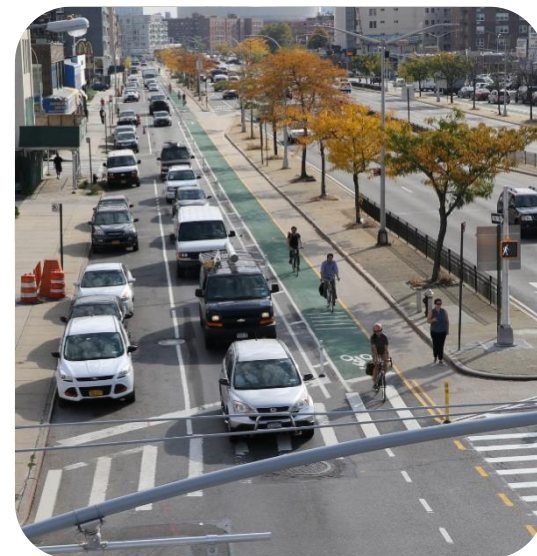


E 216th St, Bronx

Striped bicycle lane provides dedicated space in the road

- **Discourage speeding** by visually narrowing the road
- **Increase predictability** by clearly defining road space for each user

Protected Bicycle Lanes



Queens Blvd, QN

Striped bicycle lane protected by bollards or floating parking

- **Maximizes traffic calming** by physically narrowing roadways
- **Increases safety for all road users** by shortening crossing distances for pedestrians, & separating people driving and biking

Bike Route Opportunities

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PROPOSED BICYCLE NETWORK DEVELOPMENT

Add new cycling routes to key destinations

- **North South** connections
- **East West** connections

Goals

- Create connections to **Greenways**

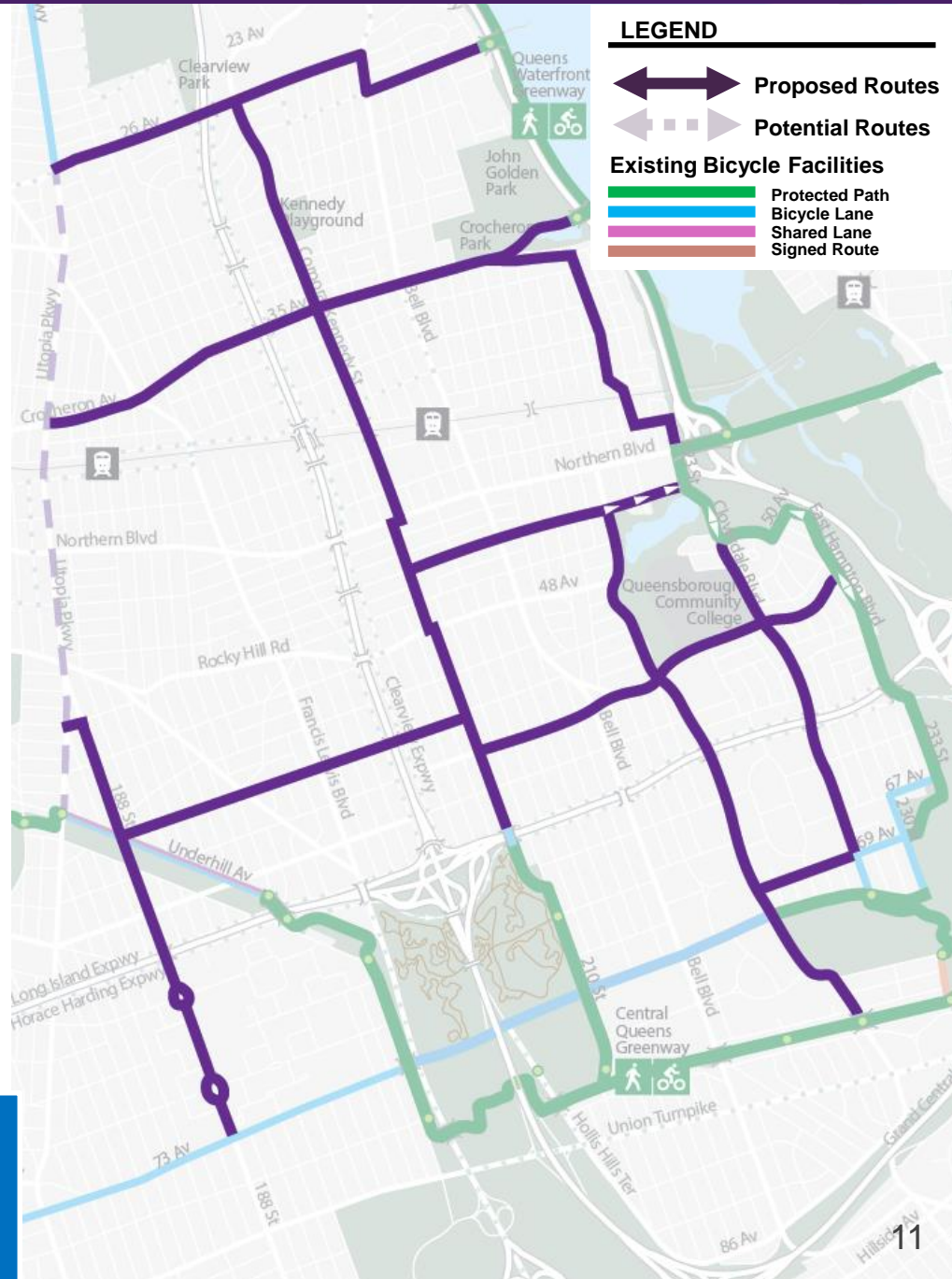
Route Selection Criteria

- Continuity
- Width
- Connectivity
- Road Typography

Proposed Route Groups:

- 1 Standard Bicycle Lanes
- 2 Shared Bicycle Lanes

Goals:
Create Connections to Greenway and Increase Safety for All Road Users



1 Standard Bicycle Lanes

Standard Bicycle Lane Connections

*Existing Typical Conditions:
Springfield Blvd, QN*

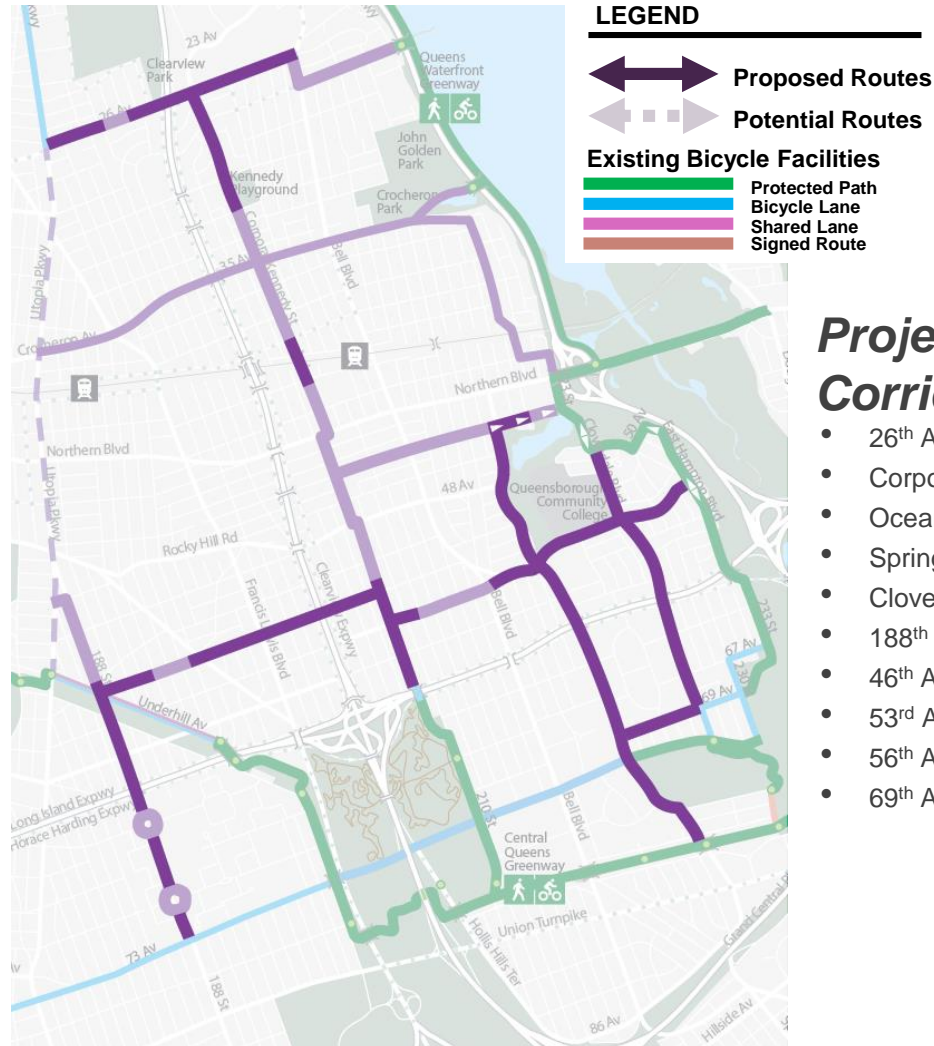


*Proposed Typical Design Example:
150th St, QN*



Bicycle lanes create new neighborhood connections

- Provide dedicated space and wayfinding for cyclists
- Connects to existing Greenways and standard lanes
- Crosses barriers: Clearview Expwy, Long Island Expwy, LIRR, Vanderbilt Motor Pkwy
- No parking loss or travel lane removal



Project Corridors

- 26th Ave
- Corporal Kennedy St
- Oceania St
- Springfield Blvd
- Cloverdale Blvd
- 188th St
- 46th Ave
- 53rd Ave
- 56th Ave
- 69th Ave

2

Shared Bicycle Lanes

Shared Bicycle Lane Connections

*Existing Typical Conditions:
35th Ave, QN*

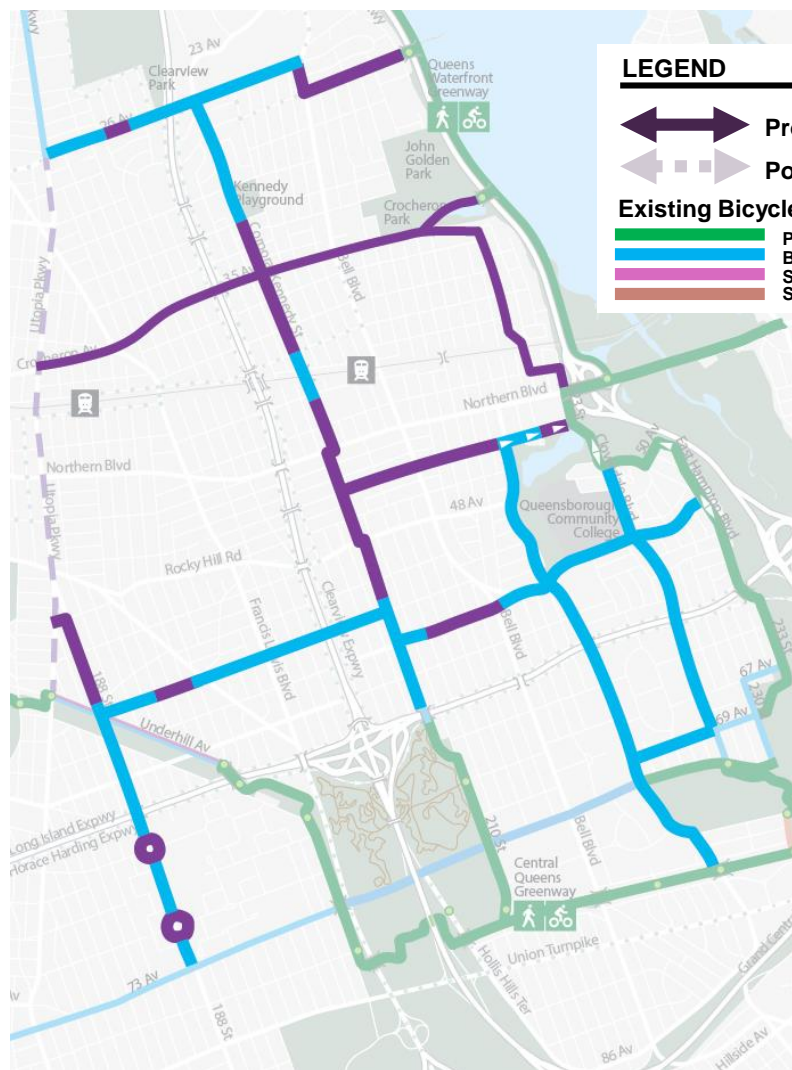


Proposed Typical Design



Shared bicycle lanes connect to network

- Organize roadway
- Provide wayfinding for cyclists – fill gaps in proposed bike network where standard bicycle lanes do not fit
- Connect between north-south & east-west routes
- No parking loss or travel lane removal



Project Corridors

- 26th Ave
- Bell Blvd
- 28th Ave
- 35th Ave
- Crocheron Ave
- Corbett Ave
- Corporal Kennedy St
- Oceania St
- 46th Ave
- 188th St
- 47th Ave
- 53rd Ave
- 56th Ave
- 43rd Ave
- 221st St
- 223rd St

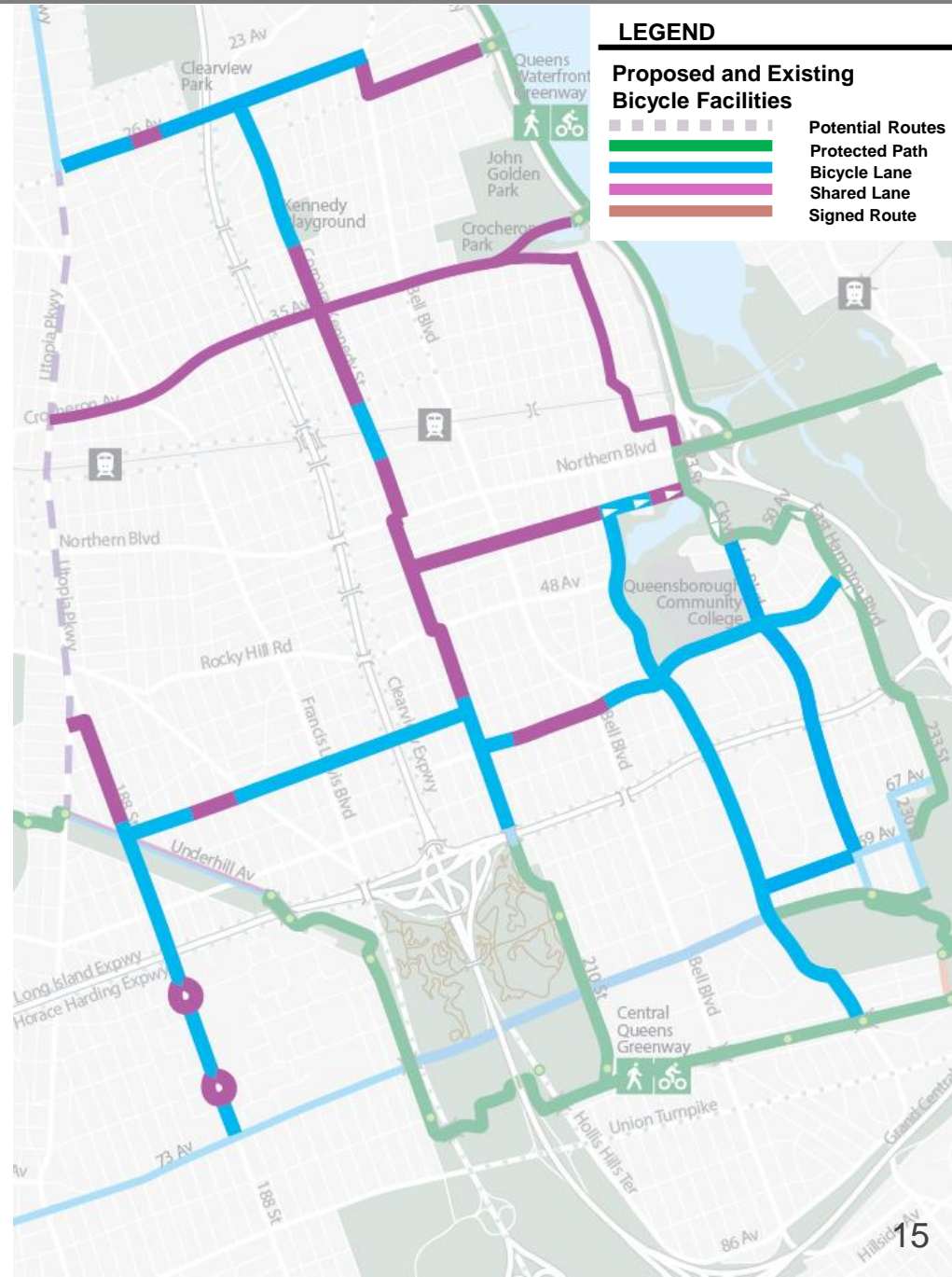
Summary

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CB11 Area BICYCLE NETWORK DEVELOPMENT

Benefits

- Expand the bicycle network with standard and shared bicycle lanes
- Close gaps within bike network
- Create safer, more convenient cycling connections to parks, the Eastern Queens Greenway, and other districts
- Create new connections to multiple neighborhood schools, including Queensborough Community College
- Set the footprint for further on-street network connections

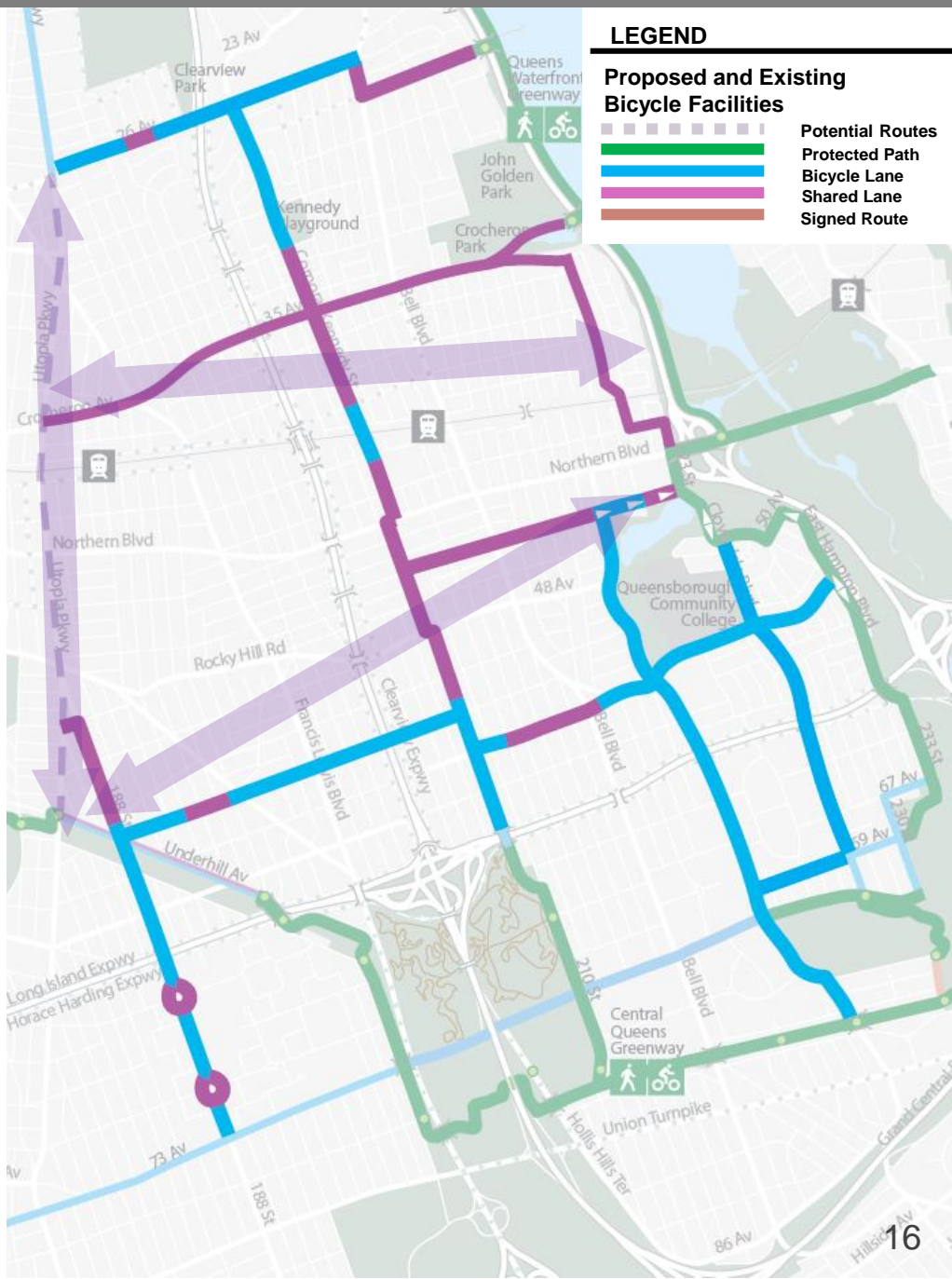


Next Steps

- Tonight, discuss standard and shared bicycle lane network opportunities
- Share this network expansion plan with CB8 and CB7
- Analyze potential protected bike lanes for Utopia Pkwy and other east-west connectors

Protected

Fully separates cars and bikes;
Requires farther analysis, most space, & trade-offs



Questions?
THANK YOU!



NYC DOT



NYC DOT



nyc_dot



NYC DOT