QUEENS CB 8 BIKE NETWORK

Proposed Upgrades

Presented to Queens Community Board 8, September 14, 2017

VISION ZERO
nyc.gov/visionzero

NEW YORK CITY
DOT

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Background

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NYC DOT BICYCLE AND GREENWAY PROGRAM

Responsible for building on-street bike network and increasing bike safety

Largest bike network in North America
- **1000+ lane miles**

NYC Bike ridership growing every year
- **450,000 bike trips per day** (2016 estimate)

Aim to improve network connectivity and increase transportation options to access key neighborhood destinations

Street redesigns provide opportunity to improve safety for **all road users**
- Cyclists
- Pedestrians
- Drivers
- Bus Riders

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Bicycle Safety in Community Board 8

Bike Lane Projects Increase Safety for All Road Users

- Markings organize roadway

- Standard width lanes discourage speeding

- Bike lanes provide dedicated space for cyclists and increase predictability of cyclist location for drivers and pedestrians

- Upgraded crosswalks improve visibility and pedestrian safety

Tremont Ave, BX

NEW YORK CITY MOBILITY

Growth in NYC (2010-2015)

+370,000 New York City residents

+520,000 new jobs

+20% growth Tourists

Recent Travel Trends (2010-2015)

+10% growth in subway trips

+80% growth in daily cycling trips
Including 60,000 Citi Bike trips daily

Biking provides an _efficient_ and _affordable_ transportation option for a growing city

Trends Over Time   *Cycling in the City*

COMMUTERS BY BOROUGH

Percent Growth: 2010-2015

+98%   Manhattan
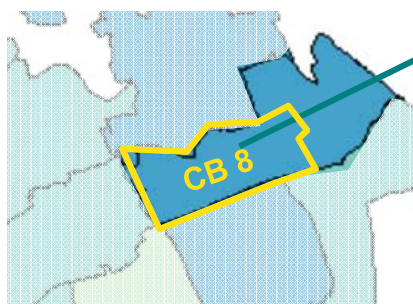
+83%   Brooklyn

+59%   Queens

+22%   Staten Island

+19%   Bronx

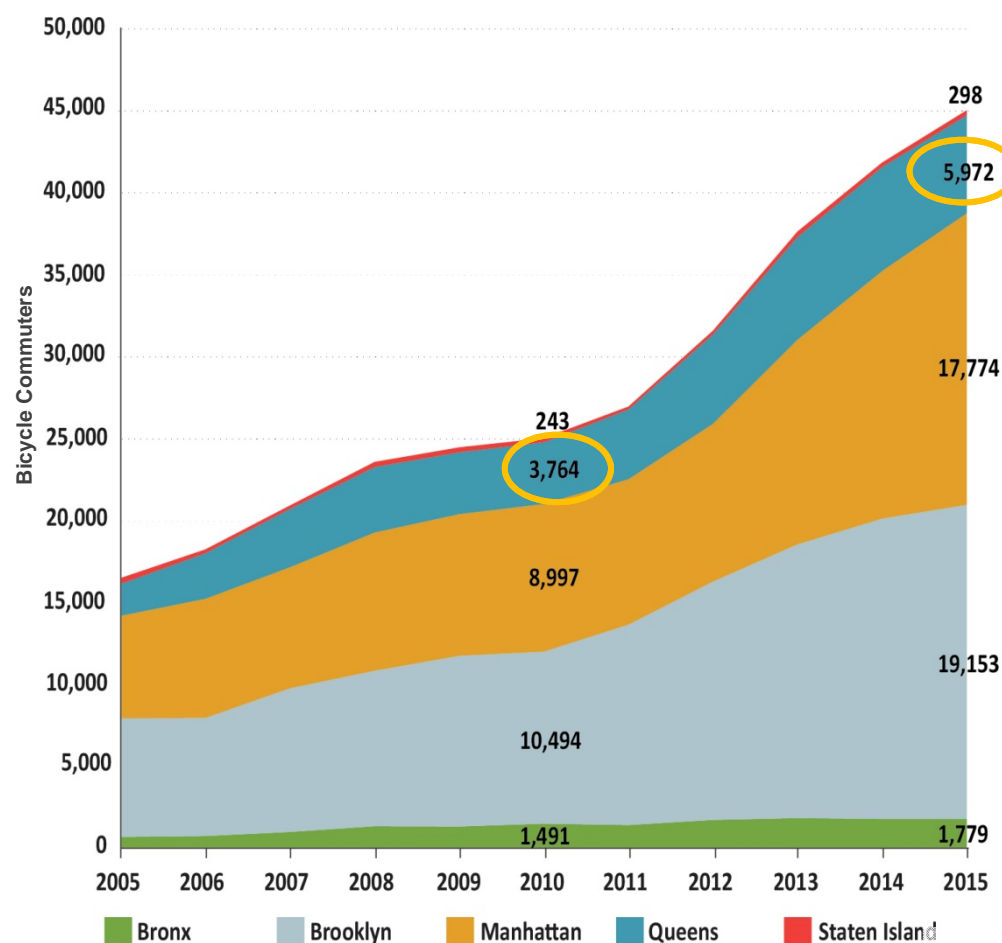## BIKED IN THE PAST YEAR

NYC Community Health Survey: 2014

17%

Rode a bicycle in the past year
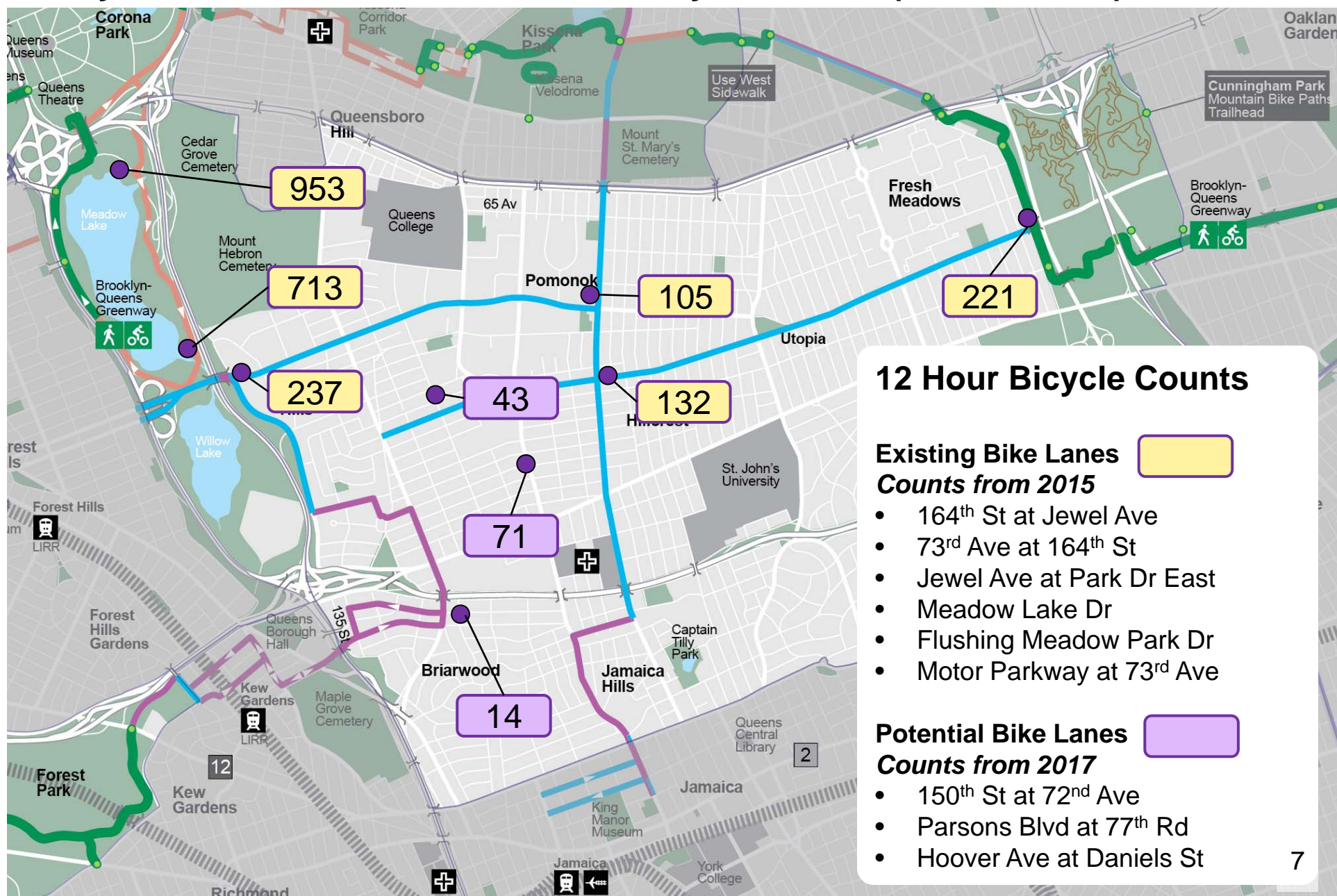
Fresh Meadows, Bayside, Little Neck

CB 8

COMMUTE TO WORK

Rolling 3 Year Average from ACS by Borough

Bronx **Brooklyn** **Manhattan** **Queens** **Staten Island**

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Bicycle Counts in Queens Community District 8 (2015 & 2017)

12 Hour Bicycle Counts

Existing Bike Lanes
Counts from 2015
- 164th St at Jewel Ave
- 73rd Ave at 164th St
- Jewel Ave at Park Dr East
- Meadow Lake Dr
- Flushing Meadow Park Dr
- Motor Parkway at 73rd Ave

Potential Bike Lanes
Counts from 2017
- 150th St at 72nd Ave
- Parsons Blvd at 77th Rd
- Hoover Ave at Daniels St

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Additional Outreach

Elected & Stakeholder Briefings

- **Council Member Lancman**

  – July & Sept 2017

- **Queens College**

  – Sept 2017

- **St. Johns University**

  – Sept 2017

Cyclist Education

NYC DOT Street Ambassadors

Planned street safety education & bell/light giveaways

- Queens College
- St. Johns University

Project Proposal

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Project Focus Area, Issues & Opportunities

Existing Bike Network

- Gaps in network
- Connections to parks
- Not connected to other key destinations (Queens College, St John's University)
- Street network challenging to navigate

Interest in Improved Bike Access to Jamaica

73% of survey respondents indicated better bike access needed (Jamaica Now)

Safety

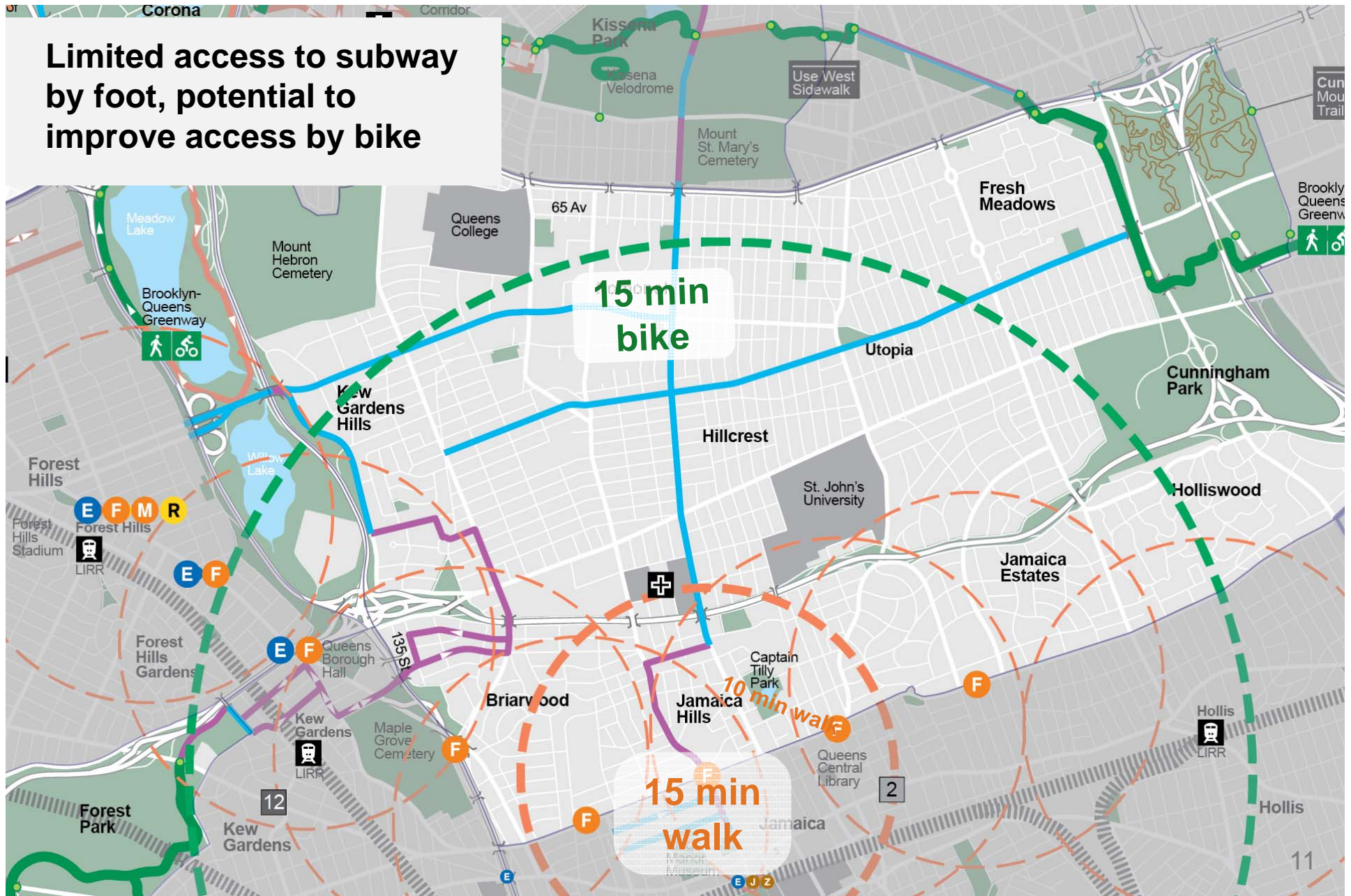1 cyclist killed and 15 cyclists severely injured in CB 8

2010-2014

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Project Focus Area, Issues & Opportunities

Limited access to subway by foot, potential to improve access by bike

15 min bike

15 min walk

10 min walk

Proposal Overview

Project Goals

- Close gaps in bicycle network
- Improve access to destinations and transit
- Improve safety for all road users

Proposed Routes

1. Parsons Blvd Extension
2. East-west Connections
3. Queens College Connections
4. St. John's Univ. Connection
5. Shared Lane Connections
6. Shared Lane Upgrades

No parking loss or travel lane removal

LEGEND

Proposed Bicycle Route

Existing Bicycle Facilities
- Bicycle Lane
- Shared Lane
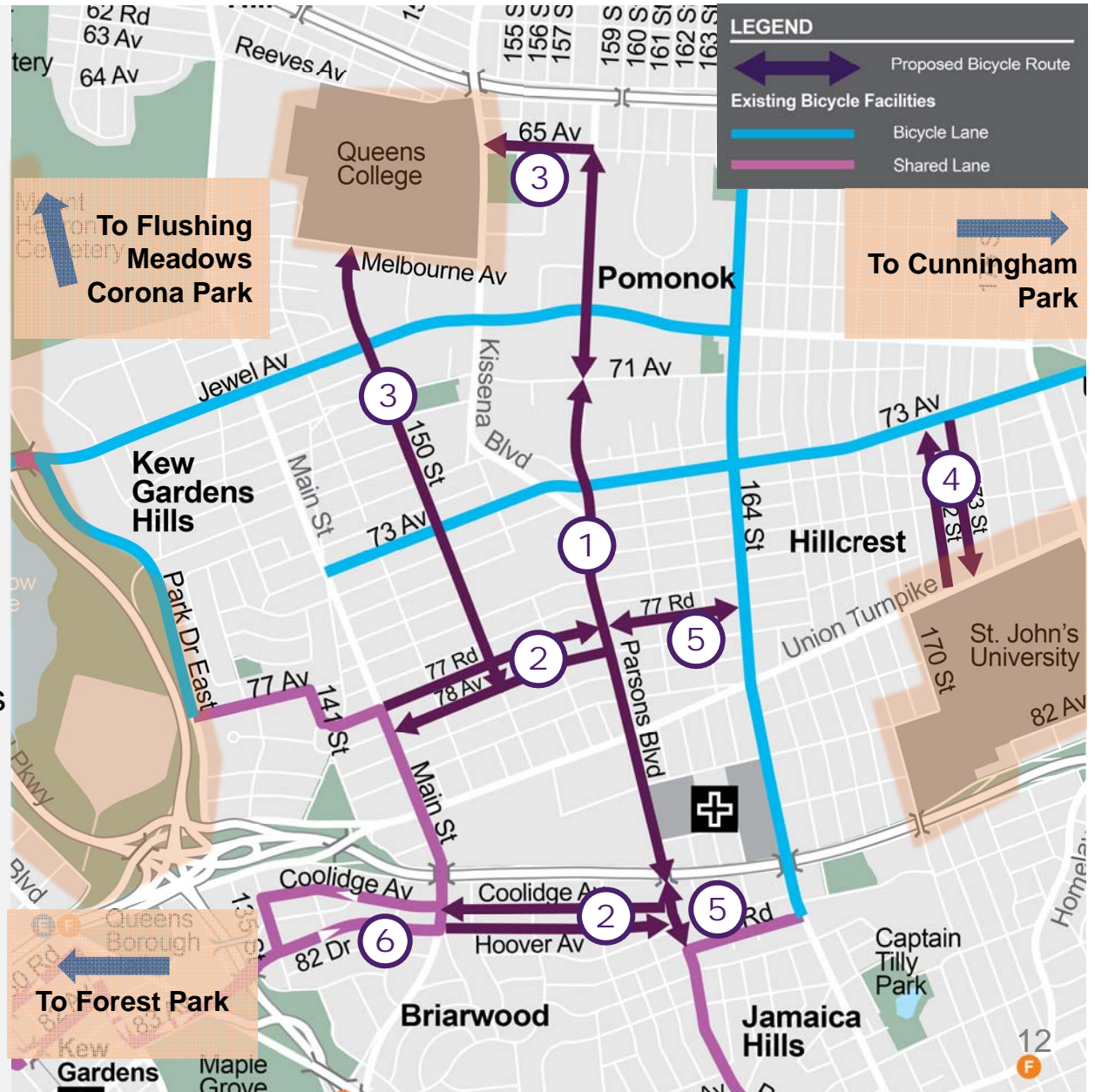
Parsons Blvd: 65th Ave – Grand Central Parkway SR

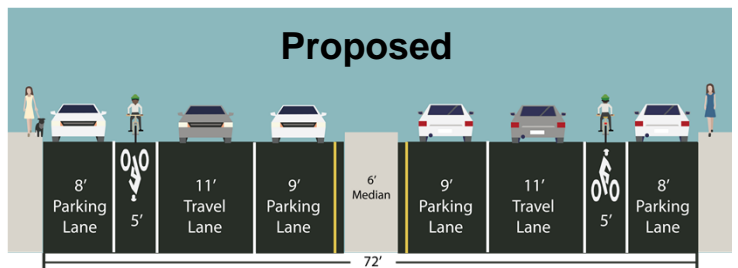**1** **Parsons Blvd Extension**
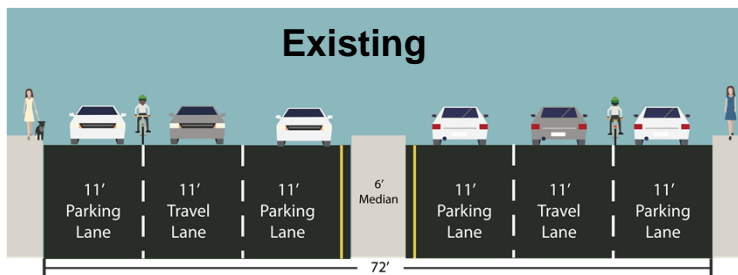
No Parking Loss

Bike lanes create a north-south connection
- Organize roadway, calm traffic
- Provide dedicated space for cyclists
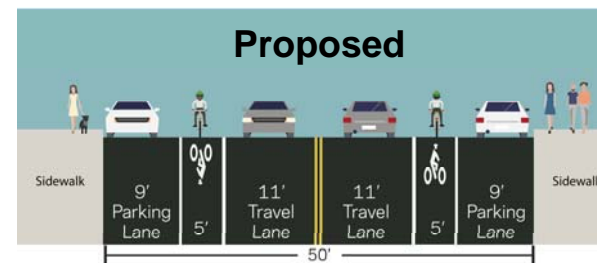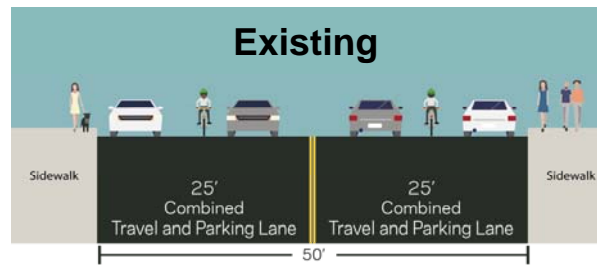- No parking loss or travel lane removal

Parsons Blvd is a Vision Zero Priority Corridor
- 3.8 ped KSI / mile
- Build on previous safety improvements
- Opportunity to calm traffic and upgrade 17 crosswalks to high visibility

A **Parsons Blvd** **(65th Ave – 71st Ave)**

Existing

| 11' Parking Lane | 11' Travel Lane | 11' Parking Lane | 6' Median | 11' Parking Lane | 11' Travel Lane | 11' Parking Lane |

72'

Proposed

| 8' Parking Lane | 5' | 11' Travel Lane | 9' Parking Lane | 6' Median | 9' Parking Lane | 11' Travel Lane | 5' | 8' Parking Lane |

72'

B **Parsons Blvd** **(71st Ave – Grand Central Pkwy SR)**

Existing

| Sidewalk | 25' Combined Travel and Parking Lane | 25' Combined Travel and Parking Lane | Sidewalk |

50'

Proposed

| Sidewalk | 9' Parking Lane | 5' | 11' Travel Lane | 11' Travel Lane | 5' | 9' Parking Lane | Sidewalk |

50'

Queens College

65 Ave

Jewel Ave

71 Ave

73 Ave

150 St

164 St

77 Rd

78 Ave

Main St

84 Rd

Parsons Blvd

A

B

LEGEND
- Proposed Bicycle Route
- Proposed Bicycle Route
- Existing Bicycle Facilities
  - Bicycle Lane
  - Shared Lane

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1 Parsons Blvd Extension

No Parking Loss

A **Proposed Design: Parsons Blvd (65th Ave – 71st Ave)**

Example: Carlton Ave, BK

B **Proposed Design Parsons Blvd (71st Ave – Grand Ctrl Pkwy SR)**
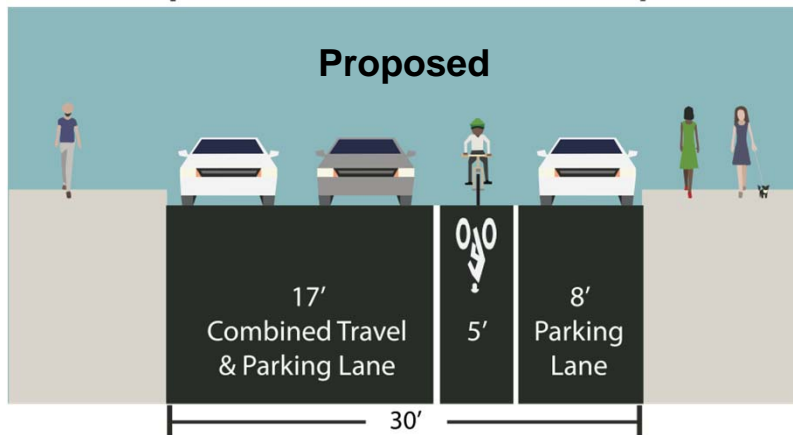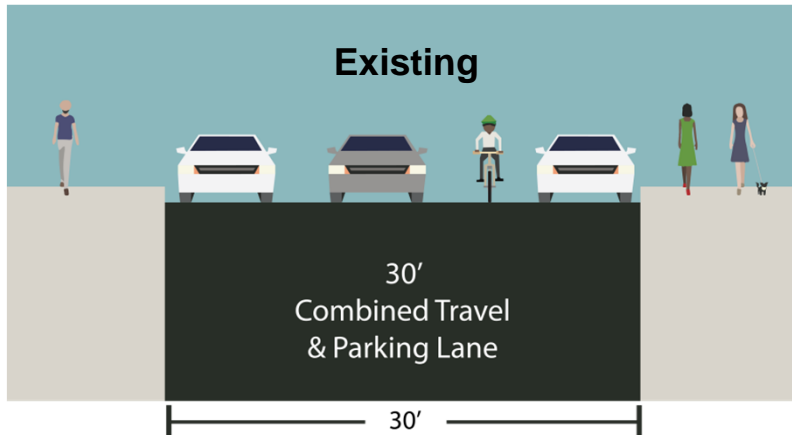
Example: 73 Ave, QN

2 East-west Connections

No Parking Loss

Bike lanes create new connections within network
- Organize roadway, calm traffic
- Provide dedicated space for cyclists
- No parking loss or travel lane removal

Main St – Parsons Blvd:
**77th Rd & 78th Ave
Coolidge Ave & Hoover Ave**

Existing

30'
Combined Travel
& Parking Lane

30'

Proposed

17'
Combined Travel
& Parking Lane

5'

8'
Parking
Lane

30'

LEGEND

Proposed Bicycle Route
Proposed Bicycle Route

Existing Bicycle Facilities
Bicycle Lane
Shared Lane

73 Ave
150 St
77 Rd
78 Ave
Parsons Blvd
164 St
Main St
Coolidge Ave
Hoover Ave
84 Rd
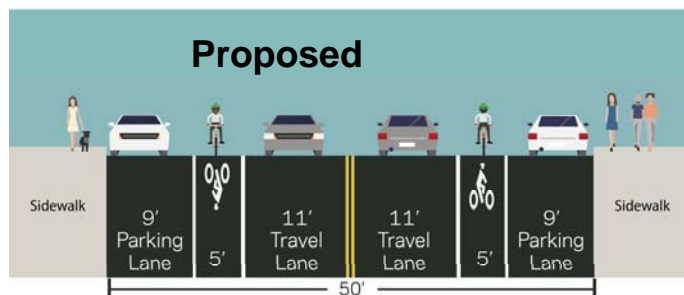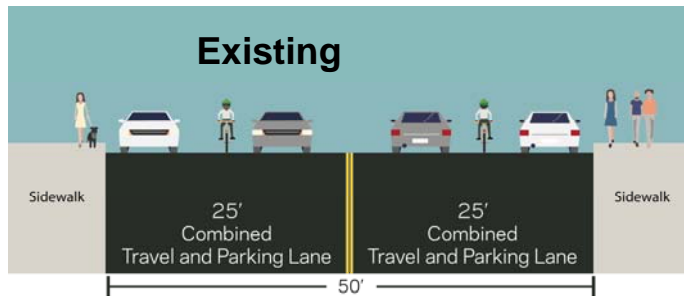
91 St, QN

15
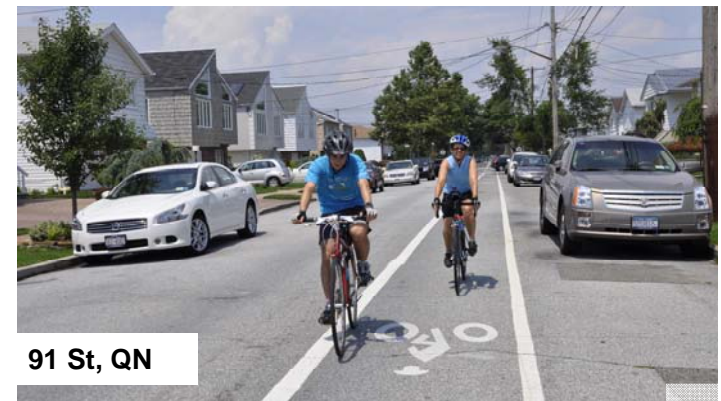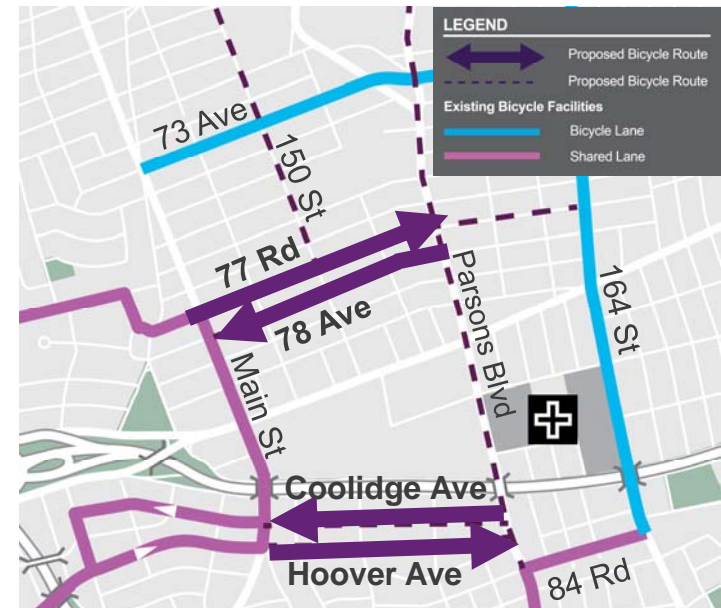
3 **Queens College Connections**
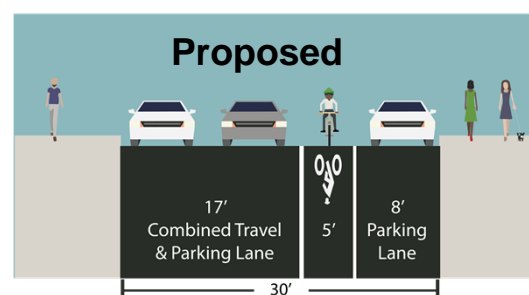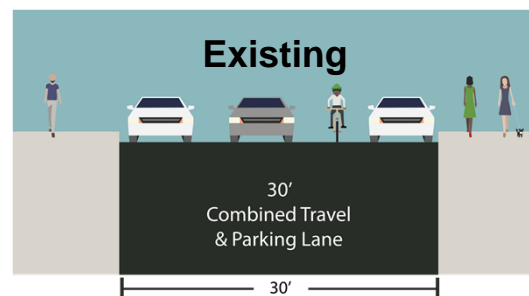
No Parking Loss

Bike lanes create a connection from Queens College
- Organize roadway, calm traffic
- Provide dedicated space for cyclists
- No parking loss or travel lane removal

A **150th St** (Melbourne Ave – 78th Ave)

Existing

Sidewalk | 25' Combined Travel and Parking Lane | 25' Combined Travel and Parking Lane | Sidewalk
50'

Proposed

Sidewalk | 9' Parking Lane | 5' | 11' Travel Lane | 11' Travel Lane | 5' | 9' Parking Lane | Sidewalk
50'

73 Ave, QN

B **65th Ave** (Parsons Blvd – Kissena Blvd)

Existing

30' Combined Travel & Parking Lane
30'

Proposed

17' Combined Travel & Parking Lane | 5' | 8' Parking Lane
30'

91 St, QN

LEGEND

→ Proposed Bicycle Route
- - - Proposed Bicycle Route

Existing Bicycle Facilities
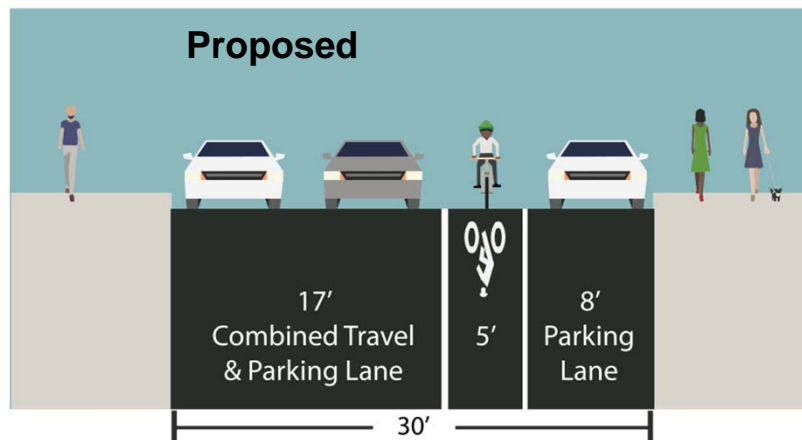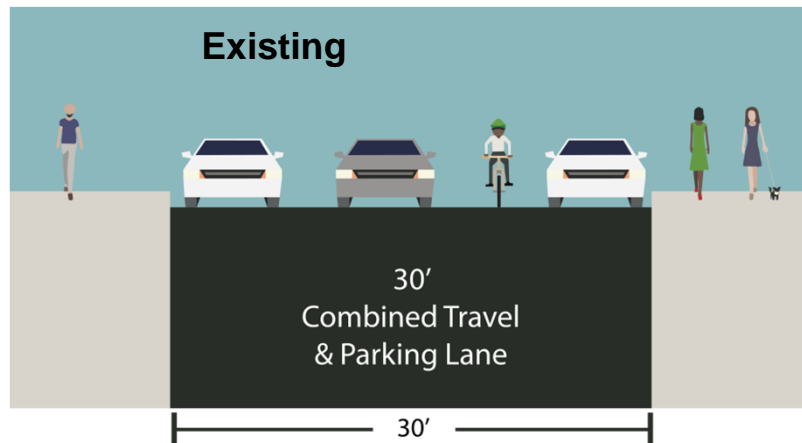— Bicycle Lane
— Shared Lane

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4 **St. John's University Connection**

No Parking Loss

Bike lanes create new connections from 73 Ave bike lanes to St. Johns University

- Organize roadway, calm traffic
- Provide dedicated space for cyclists
- No parking loss or travel lane removal

172nd St & 173rd St (73rd Ave – Union Tpke)

Existing

30'
Combined Travel
& Parking Lane

30'

Proposed

17'
Combined Travel
& Parking Lane

5'

8'
Parking
Lane

30'

LEGEND

Proposed Bicycle Route
Proposed Bicycle Route

Existing Bicycle Facilities

Bicycle Lane
Shared Lane

73 Ave

173 St

172 St

164 St

Union Tpke

St. Johns University
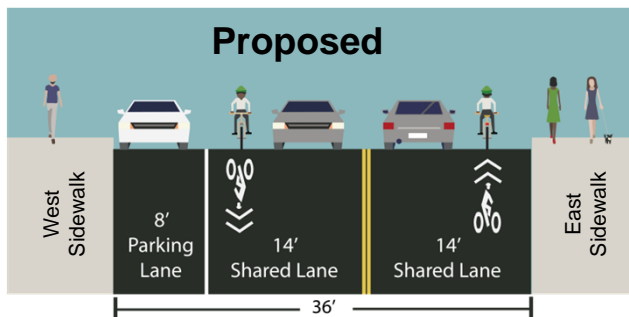

Onderdonk Ave, QN
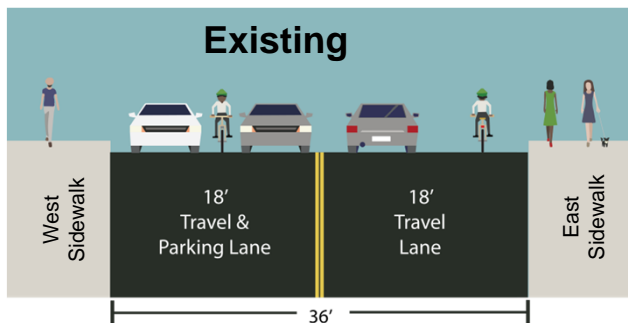
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Parsons Blvd & 77th Rd
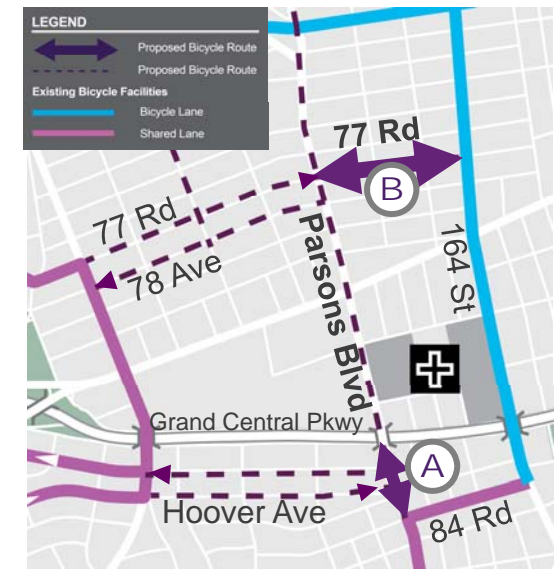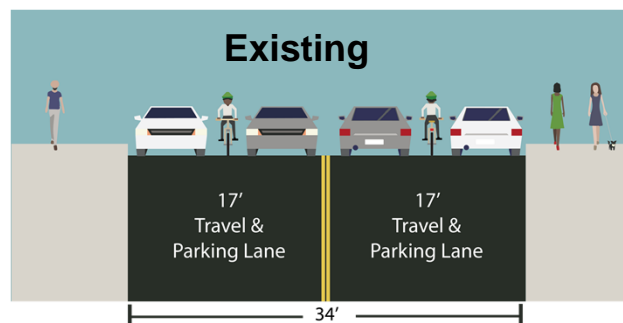
5 Shared Lane Connections

No Parking Loss

Shared lanes provide wayfinding for short distances
- Organize roadway, calm traffic, guide cyclists
- Indicate to motorists to expect cyclists
- No parking loss or travel lane removal

A Parsons Blvd
(Grand Central Pkwy SR – 84th Rd)

Existing

West Sidewalk | 18' Travel & Parking Lane | 18' Travel Lane | East Sidewalk

36'

Proposed

West Sidewalk | 8' Parking Lane | 14' Shared Lane | 14' Shared Lane | East Sidewalk

36'

B 77th Rd
(Parsons Blvd – 164th St)

Existing

17' Travel & Parking Lane | 17' Travel & Parking Lane

34'

Proposed

17' Shared Travel & Parking Lane | 17' Shared Travel & Parking Lane

34'

LEGEND
- Proposed Bicycle Route
- Proposed Bicycle Route

Existing Bicycle Facilities
- Bicycle Lane
- Shared Lane

77 Rd
77 Rd
78 Ave
Parsons Blvd
164 St
Grand Central Pkwy
Hoover Ave
84 Rd

84th Rd, QN
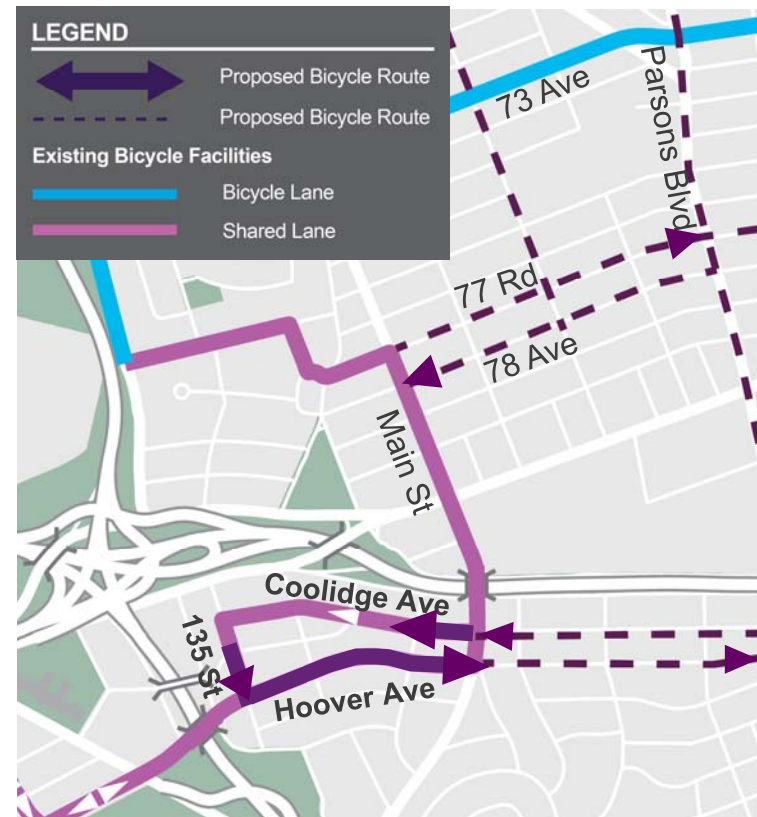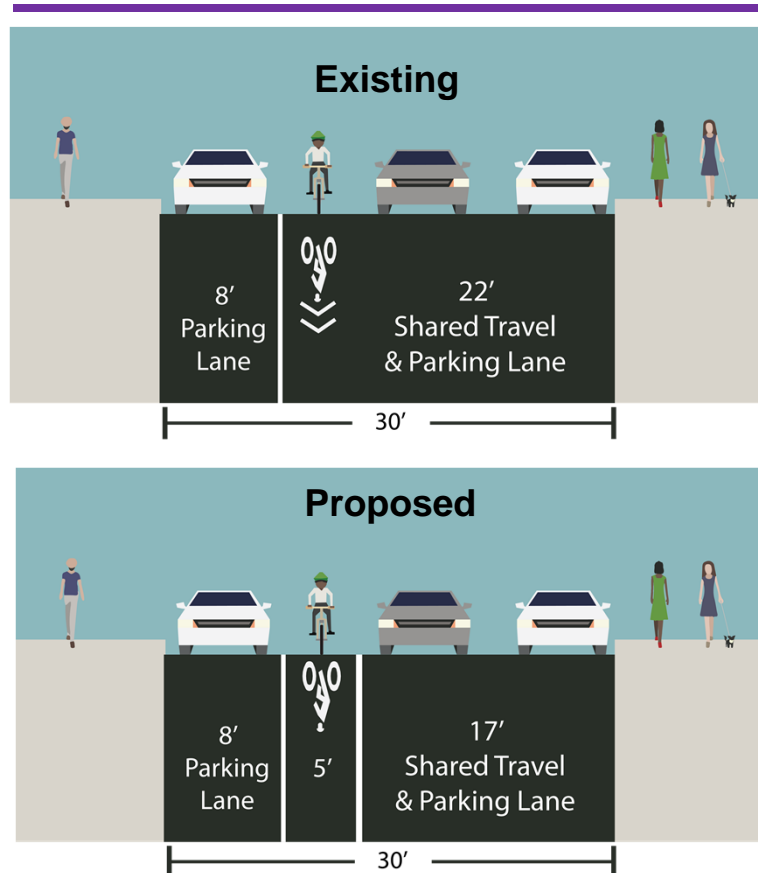
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6 Shared Lane Upgrades

No Parking Loss

Upgrading facilities adds dedicated space for cyclists
- Organize roadway, calm traffic, guide cyclists
- Indicate to motorists to expect cyclists
- No parking loss or travel lane removal

Hoover Ave (135 St – Main St)
Coolidge Ave (Main St – 141 St)
135 St (82 Ave – Hoover Ave)

Existing

| 8' Parking Lane | 22' Shared Travel & Parking Lane |

30'

Proposed

| 8' Parking Lane | 5' | 17' Shared Travel & Parking Lane |

30'

LEGEND

Proposed Bicycle Route
Proposed Bicycle Route

Existing Bicycle Facilities
Bicycle Lane
Shared Lane

73 Ave
Parsons Blvd
77 Rd
78 Ave
Main St
Coolidge Ave
135 St
Hoover Ave

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Summary

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Summary of Benefits

Create better connected neighborhood bike network

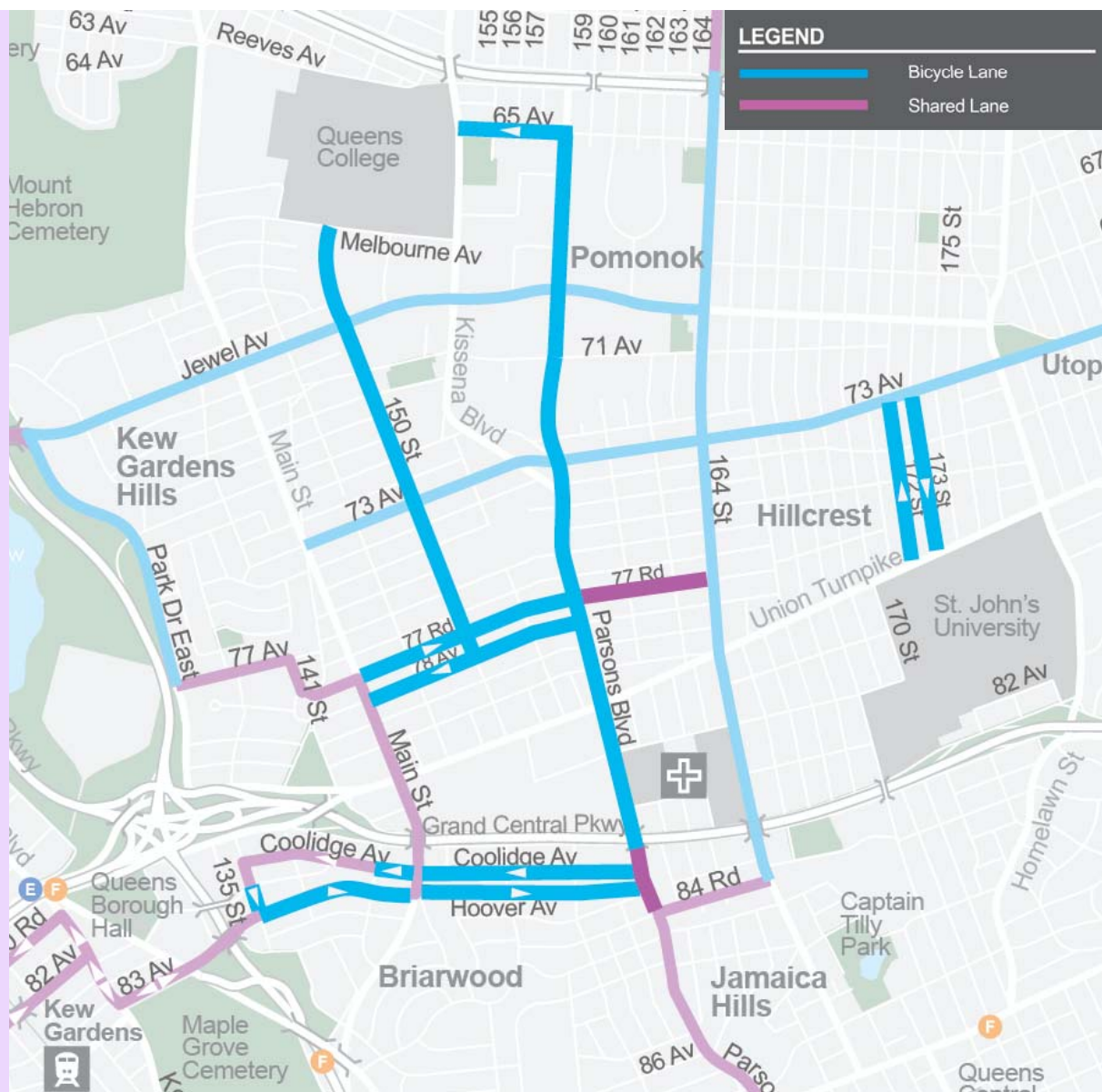- Dedicated space for cyclists
- Fewer gaps in network

Connect neighborhood to parks, colleges, subway

- New lanes link more residents to existing park connections
- New connections to colleges
- Improved access to subway for multi-modal trips
- Wayfinding guides cyclists

Improve safety for all modes

- Organizes the roadway
- Discourages speeding
- Increases predictability of cyclists location
- Creates more visible, safer pedestrian crossings

No parking loss or travel lane removal

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Questions?
THANK YOU!

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