



# CYPRESS AVE PROTECTED BIKE LANES

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Presented to Queens Community Board 5

June 18, 2024



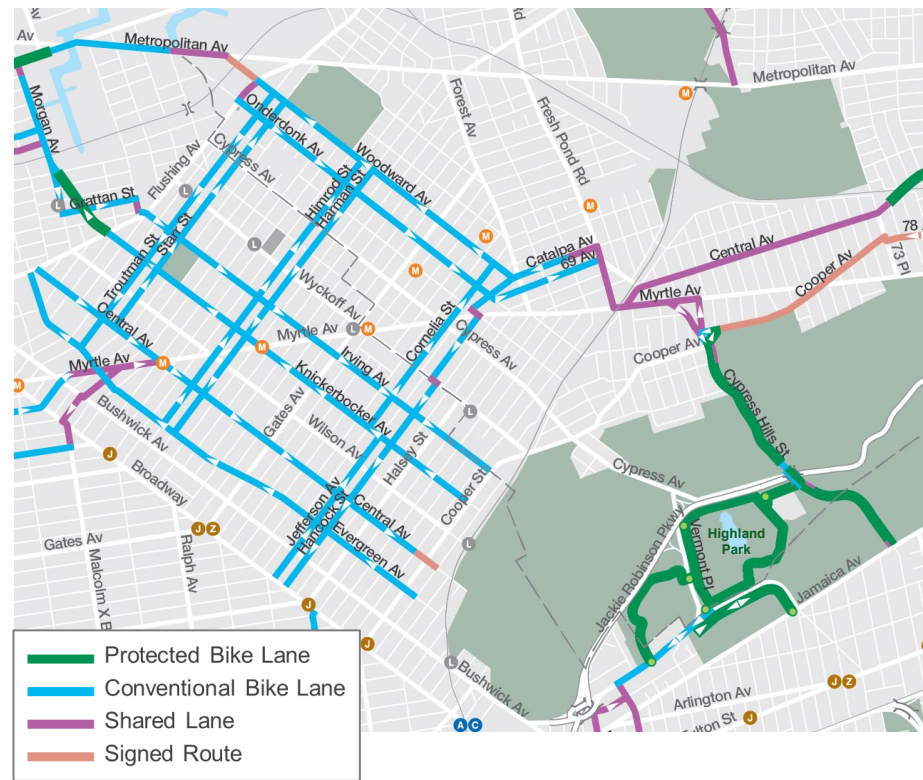
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# Background



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- 2016-2017** Bushwick Neighborhood Bicycle Network installed
- 2017-2018** Cypress Hills St protected bike lanes installed
- 2019** Pedestrian Safety Improvements at Bushwick Av and Highland Blvd
- 2020** Community requests for safety improvements at Vermont Pl and Cypress Av
- 2021** Pedestrian and bike improvements at Vermont Pl and Highland Blvd
  - East Causeway of the Ridgewood Reservoir opened to the public
- 2023** Phase III of Citi Bike Expansion plan brings Citi Bike stations to the area



# Background – Stakeholders

Community requests for connections and improvements in the area

- **NYC H2O**
- **Ridgewood Rides** launched petition for safety improvements in Feb. 2023
- **Transportation Alternatives** campaign for Vermont Place and Cypress Avenue safety improvements
- **Liberty Park Homeowners Association**
- **Adopt-A-Highway**
- Request from **Councilmember Robert Holden** for protected bike lane on Cypress Ave between Cypress Hills St and Vermont Pl

# Injury Summary

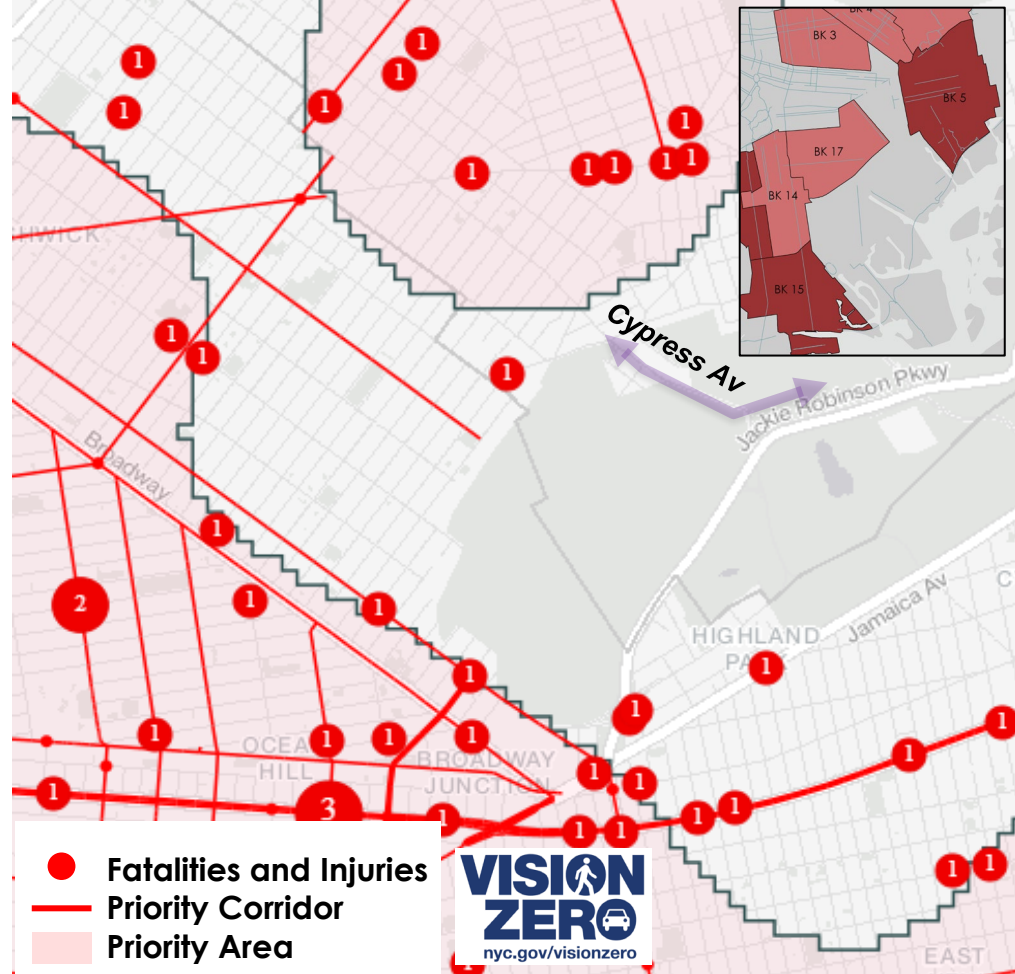
## Project

*Injury Summary, 2018-2022 (5 years)*

|                        | Total Injuries | Severe Injuries | Fatalities | KSI |
|------------------------|----------------|-----------------|------------|-----|
| Pedestrian             | 40             | 3               | 0          | 3   |
| Bicyclists             | 31             | 4               | 0          | 4   |
| Motor Vehicle Occupant | 360            | 25              | 1          | 26  |
| Total                  | 437            | 32              | 1          | 33  |

**Fatalities, 01/02018-2022: 1**

- Surrounded by **Vision Zero** Priority Areas
- Within a **Bike Priority District**
  - High cyclist KSI & low coverage
- Fatality at Cooper and Irving in 2021
- Pedestrian struck twice at Cypress Ave and Cooper Ave while crossing from west to east in 2022





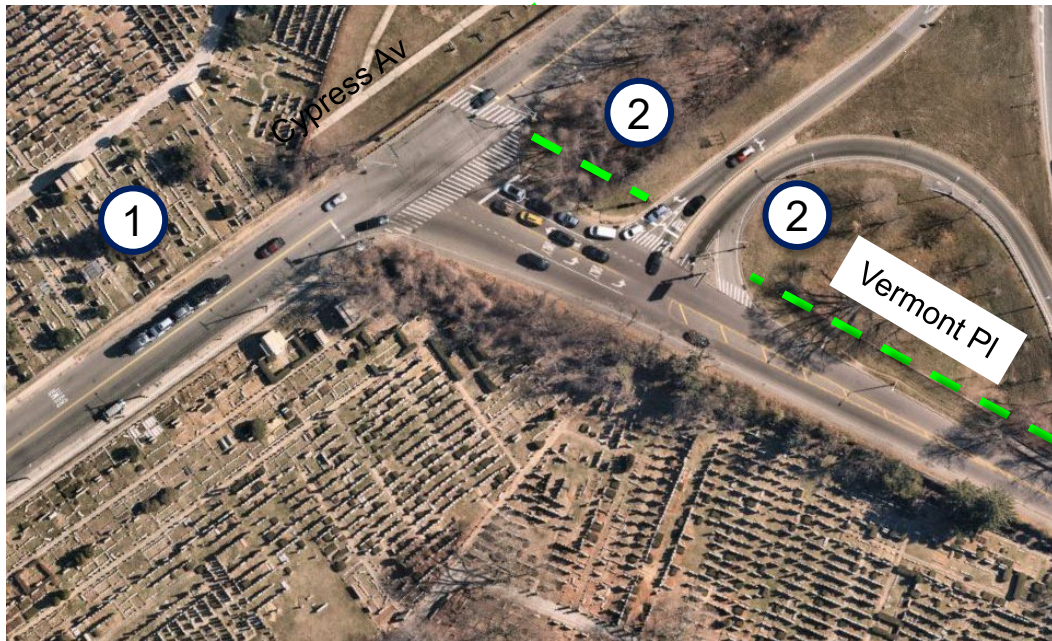
# Background – Issues

- **Few protected bike lanes** in CB5
- **Lack of connections** to Bushwick Neighborhood Bicycle Network, Highland Park Greenway and Cypress Hills St PBL
- Highland Park **difficult to access** for both cyclists and pedestrians
- **Commercial vehicles** park on Cypress Ave overnight



# Issues: Missing Sidewalks (Vermont Pl and Cypress Av)

- 1 Missing sidewalks on north side of Cypress Av
- 2 Missing sidewalks on east side of Vermont Pl

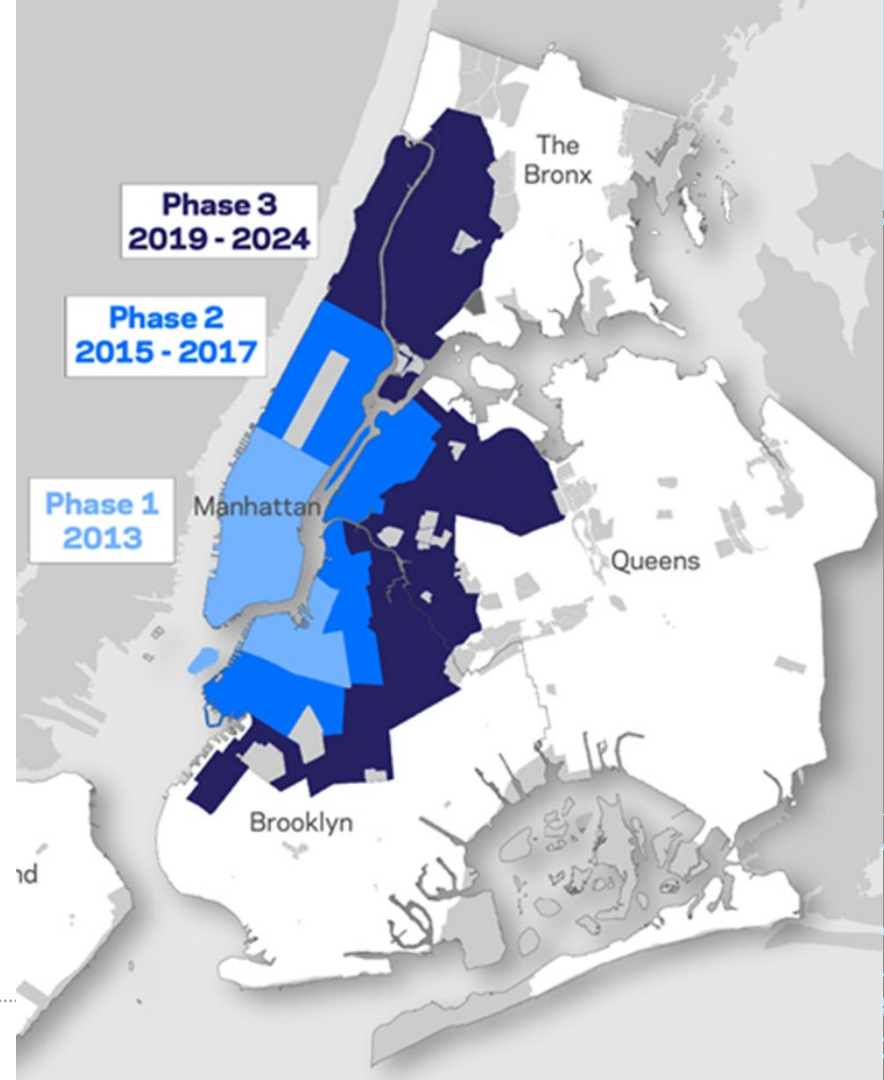




# Citi Bike

## Cycling in Numbers

- **15%** of New Yorkers use bike share (Mobility Survey, 2018)
- **19.5** million Citi Bike trips in 2020
- Citi Bike regularly serves over **80,000 trips per day**
- **Citi Bike expansion area reached Queens CB5 in 2023**





# Safety Benefits of Protected Bike Lanes

## Protected bike lanes benefit all street users:

Crashes with  
Injuries  
**Down 15%**

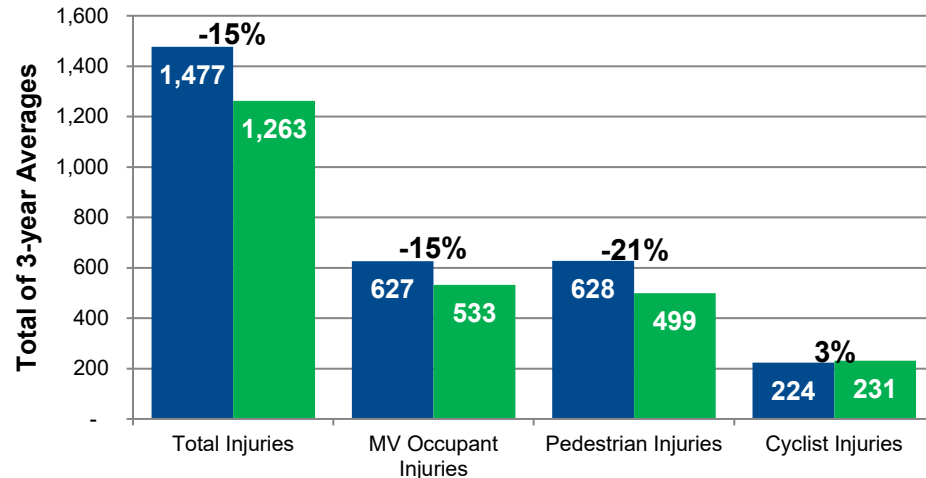
Motor Vehicle  
Occupant Injuries  
**Down 15%**

Pedestrian  
Injuries  
**Down 21%**

Injuries to cyclists increase only 3%, despite a **61% increase in bike volume**

## Protected Bike Lanes

*Before and After Crash Data, 2007 - 2017*



Data from 25 separate protected bicycle lane projects installed from 2007-2014 with 3 years of after data. Includes portions of 1 Ave, 2 Ave, 8 Ave, 9 Ave, Broadway, Columbus Ave, Hudson St, Lafayette St / 4 Ave, Sands St, Allen/Pike St, Kent Ave, Prospect Park West, Flushing Ave, Bruckner Blvd & Longfellow Ave, Imlay St / Conover St, Paerdegat Ave. Only sections of projects that included protected bike lanes were analyzed. Source: NYPD AIS/TAMS Crash Database

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# Proposal

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# Proposal

## Proposed

### Cypress Av (Cooper Av– Cypress Hills St)

- Two-way protected bike lane

### Cypress Av and Vermont Pl

- Construct missing sidewalks on north side of Cypress Av

### Vermont Pl

- Construct missing sidewalks on east side of Vermont Pl at the Jackie Robinson Expwy

## Future Connections

Cypress Ave (Cooper Av – Decatur St)

Vermont Pl (Cypress Av – Highland Park Greenway)

Decatur St (Evergreen Av – Cypress Av)

Cooper St / Cooper Av (Evergreen Av to Cypress Av)

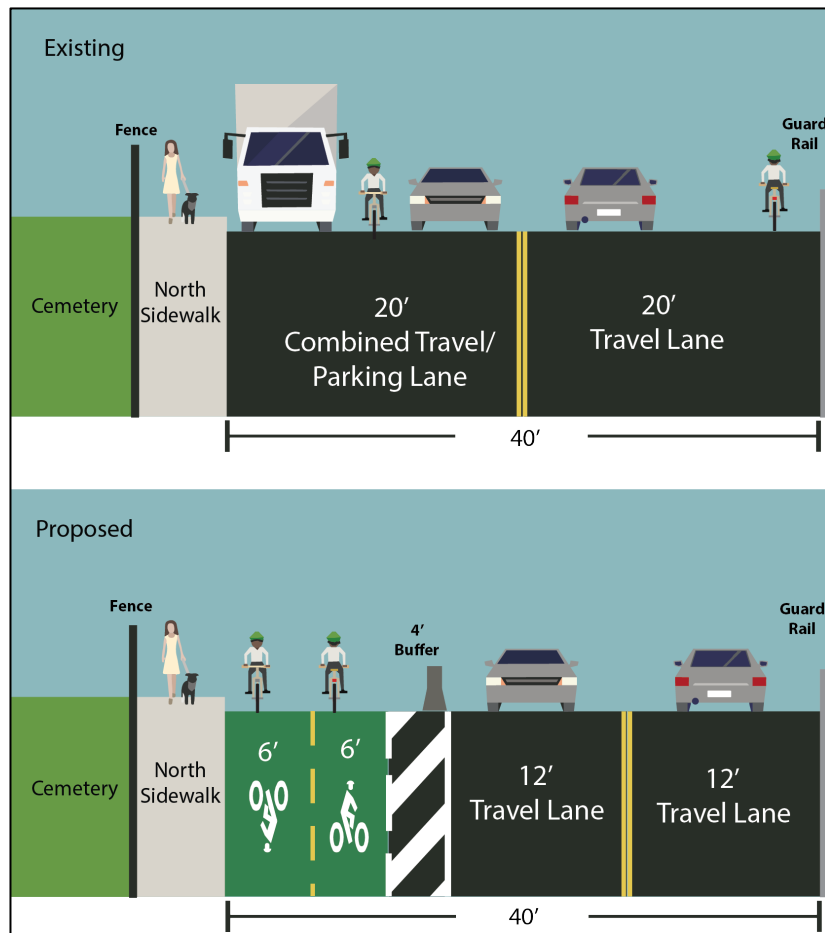
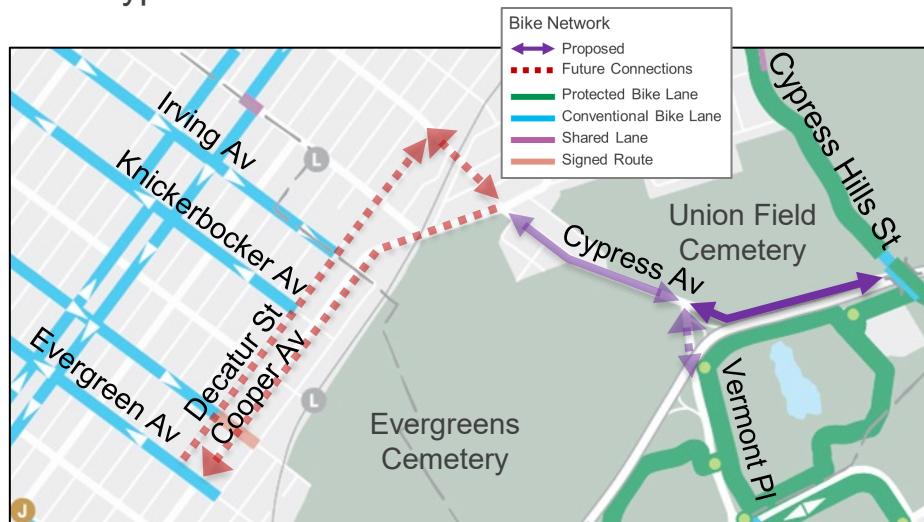




# Cypress Ave

## Cypress Hills St – Vermont Pl

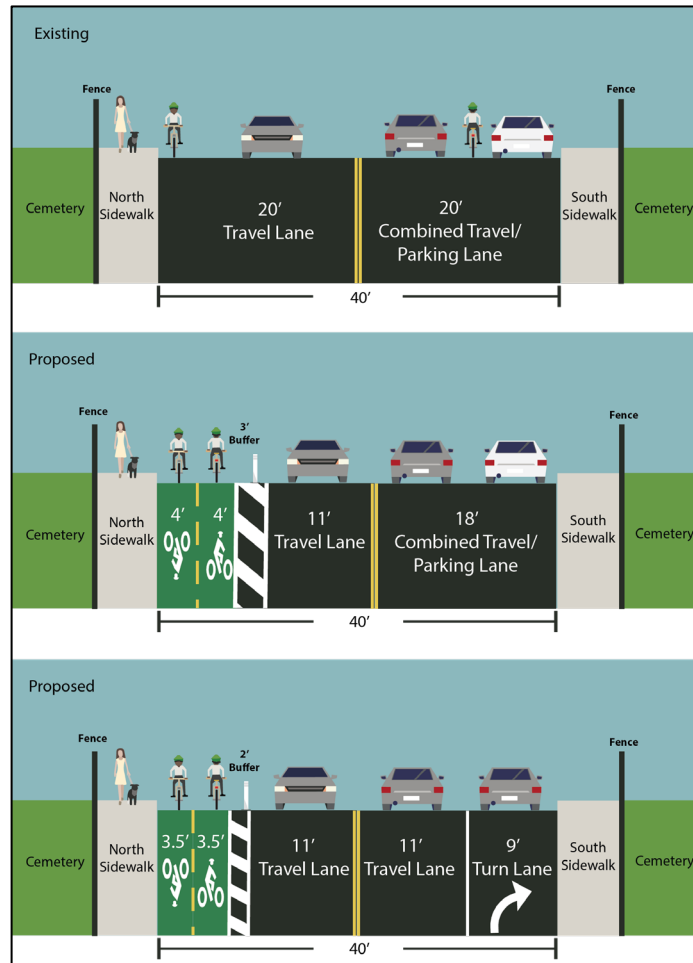
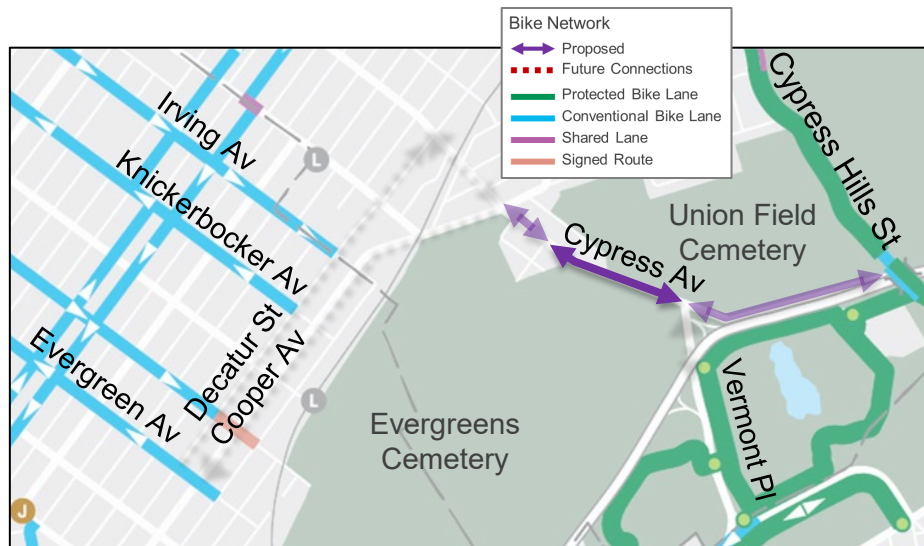
- Install **two-way protected bike lane** on the north curb
- Establish No Standing Anytime on north curb of Cypress Ave



# Cypress Ave

## Vermont Pl – Cabot Rd

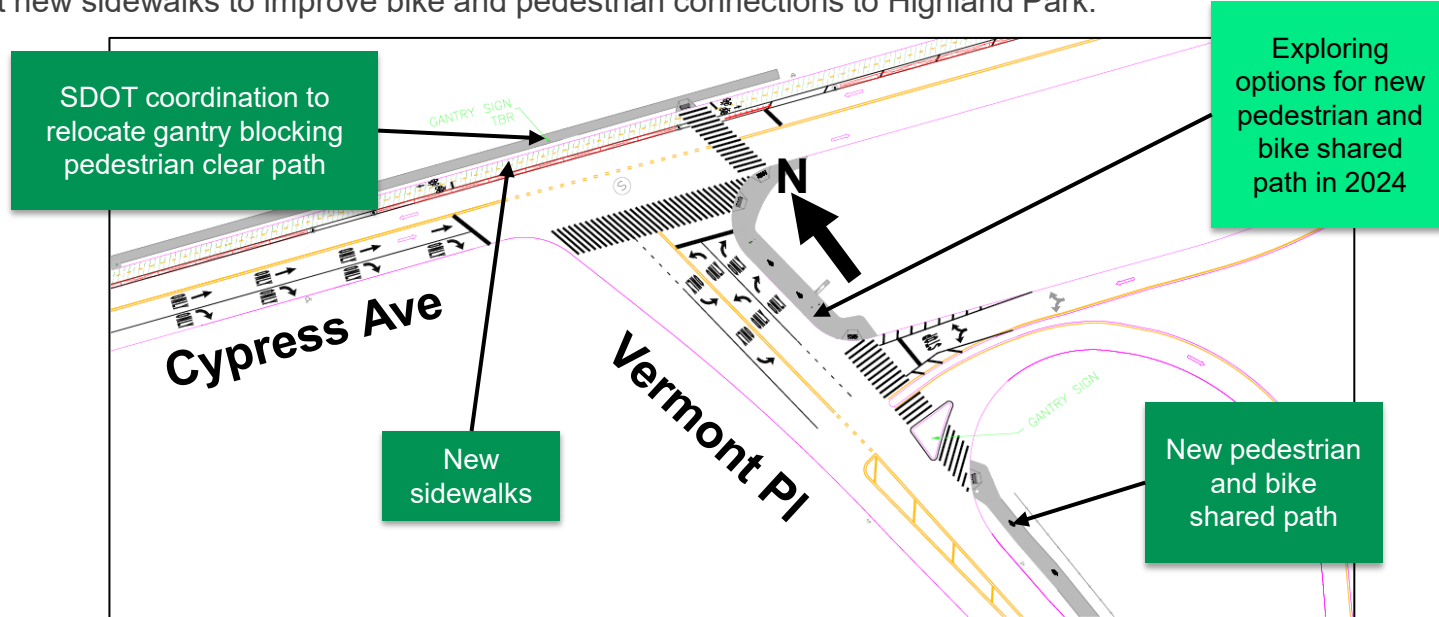
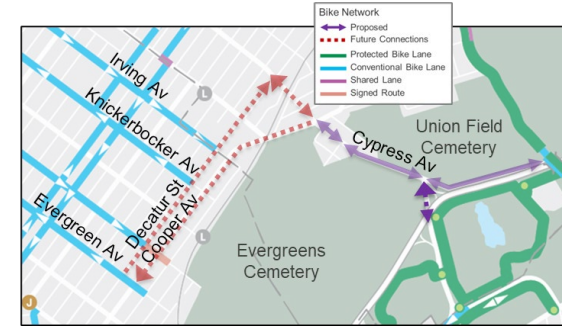
- Install **two-way protected bike lane** on the north curb
- Remove **rush hour** regulation on north curb



# Vermont Pl

## Cypress Ave – Highland Park

- Eliminate double lefts at Cypress Ave
- Delay heavy right turns across Vermont Ave crosswalk
- Construct new sidewalks to improve bike and pedestrian connections to Highland Park.

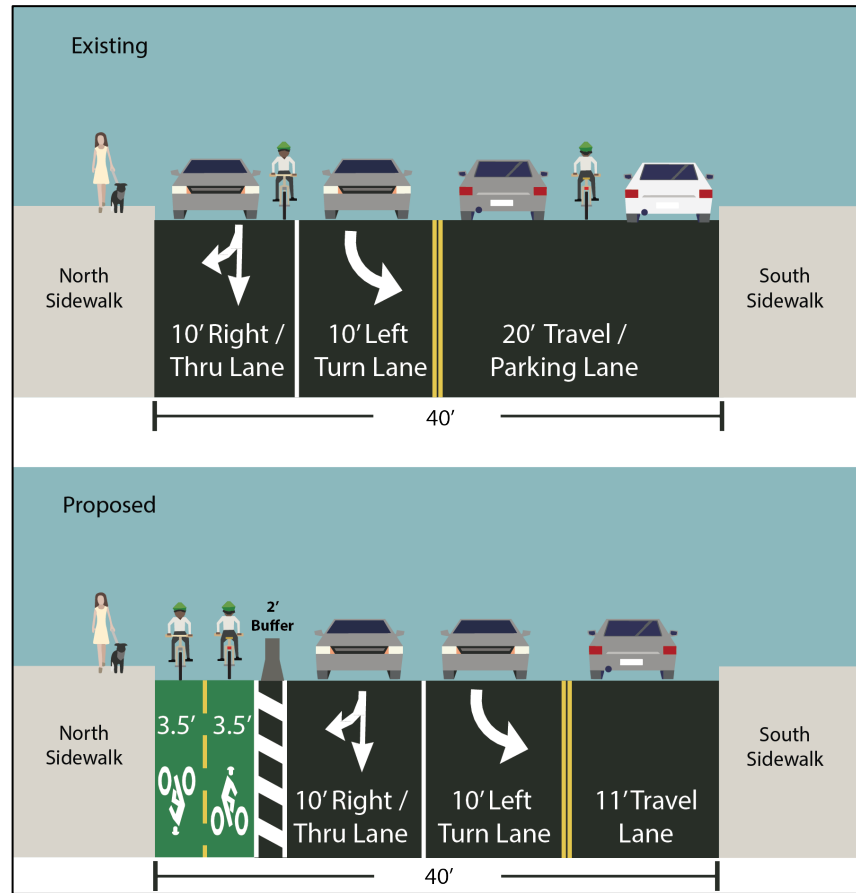
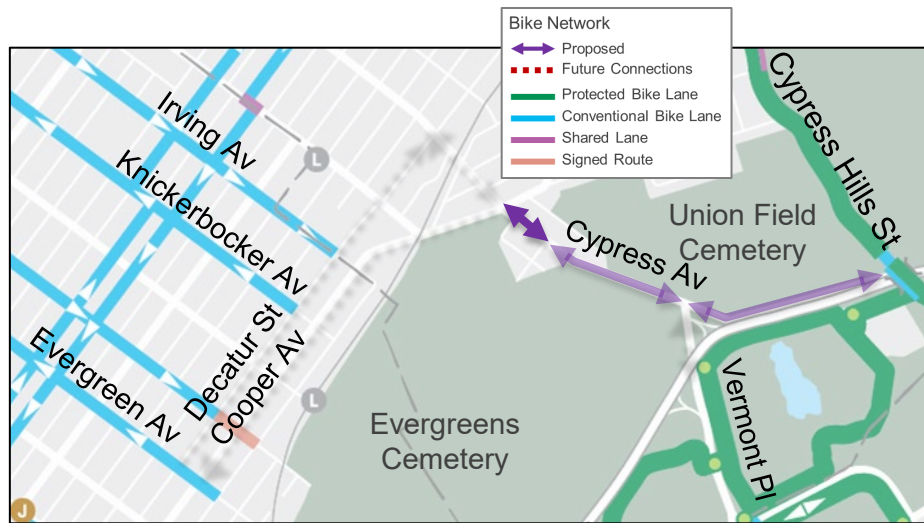




# Cypress Ave

## Cabot Rd – Cooper Ave

- Install **two-way protected bike lane** on the north curb
- Remove 3 parking spaces on south curb
- Provide No Standing Anytime at approach to Cooper Ave



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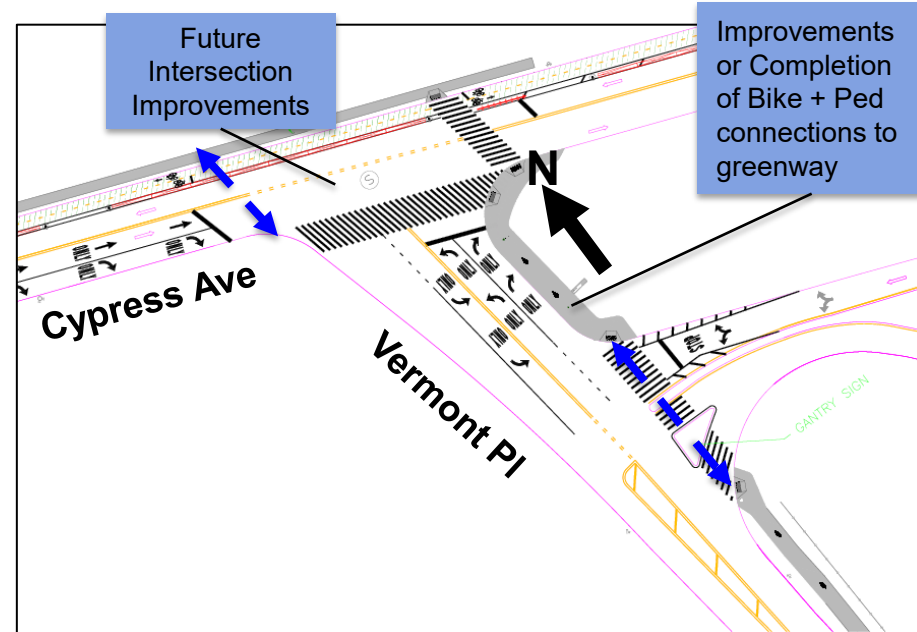
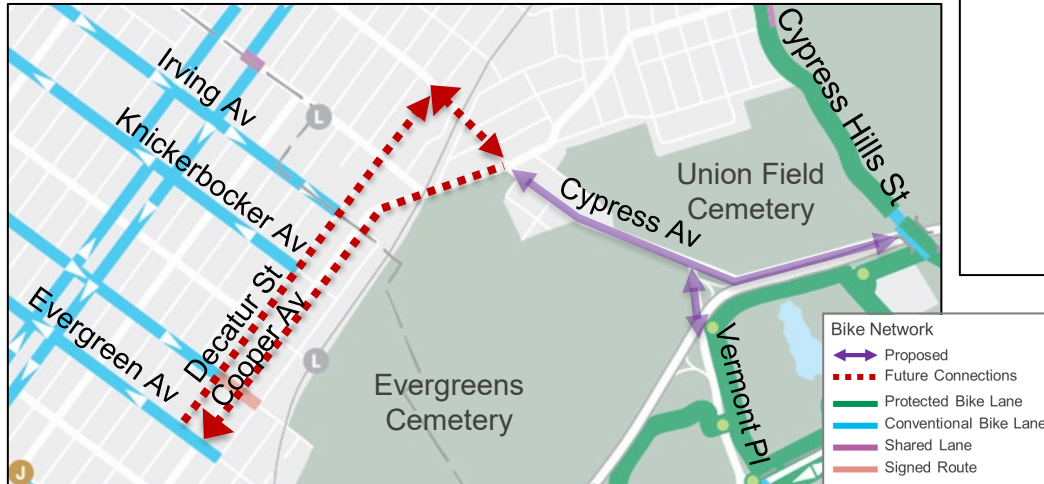
Future

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# Vermont Pl, Cooper Ave, Decatur St

## Cypress Ave – Highland Park

- Provide bicycle and pedestrian connections to Highland Park Greenway
- Provide intersection improvements pending further analysis (i.e. additional crosswalk, curb extensions) at Cooper Ave and on Vermont Pl
- Provide connections to Bushwick Bicycle Network





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## Summary

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# Summary

- Establish new **protected bike lanes** in CB5
- Provide **bike and pedestrian access** to Highland Park
- **Connect** to existing bike network
- Fill in gaps in pedestrian network by constructing new **sidewalks**
- **Discourage overnight commercial vehicle** parking on Cypress Ave



# Thank You!

## Questions?



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