CYPRESS HILLS STREET
SAFETY IMPROVEMENTS

Queens CB 5 Transportation Committee

April 25, 2017
PRESENTATION OVERVIEW

• Background
• Proposal
• Summary
Cypress Hills St Overview

Background

• 104th Precinct requested traffic calming and protection for bike lanes

• Cypress Hills St bike route is part of greenway network connecting parks

• Few destinations along corridor: cemetery entrances, bus stops, substandard pedestrian environment
Cypress Hills St
Overview
Safety Issues

Cypress Hills St (Cooper Ave – Jackie Robinson Pkwy), QN
Injury Summary, 2010-2014 (5 Years)

<table>
<thead>
<tr>
<th></th>
<th>Total Injuries</th>
<th>Severe Injuries</th>
<th>Fatalities</th>
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<tbody>
<tr>
<td>Pedestrian</td>
<td>4</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Bicyclists</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td>Motor Vehicle Occupant</td>
<td>99</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>Total</td>
<td>103</td>
<td>6</td>
<td>2</td>
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</tbody>
</table>

Fatalities, 01/01/2010 – 04/10/2017: 4

Cypress Hills St is a High Crash Corridor, ranking in the top third of Queens corridors
Cypress Hills St Overview

Project Goals

- Improve safety for all road users
- Enhance pedestrian access to Machpelah and Mt Neboh Cemeteries
- Increase bicycle access to parks, greenway route
- Improve pedestrian/bus rider experience

Project Proposal

1. **Cooper Ave to Jackie Robinson Pkwy**
   - Upgrade Existing Bike Route to Protected Bike Lanes,
   - Fill in missing gaps in bike route
   - Install new pedestrian crossings
   - No parking loss

2. **Cypress Hills St to Highland Park**
   - Improve Park Connection for pedestrians and bike riders

LEGEND

- **Proposed Bicycle Route**
- **Existing Bicycle Facilities**
  - Protected Bicycle Path
  - Bicycle Lane
  - Shared Lane
  - Signed Route

Cypress Hills St – Greenway Safety Improvements
Upgrade Existing Bike Lanes
Cooper Ave – Jackie Robinson Pkwy
Existing Bike Route
Proposal
Upgrade Bike Lane Design and Complete Network Gaps

**West side of Cypress Hills St**

**East side of Cypress Hills St**
Cypress Hills St
Cooper Ave – Jackie Robinson Pkwy

- 1 vehicle lane each direction
- Curved roadway, blind summits, and high vehicle speeds
- Existing but incomplete buffered bike lanes - 65 daily cyclists
- Little to no sidewalk on east side
- B13 Bus route, 5 stops on each side within 0.5 mile
Cypress Hills St – Greenway Safety Improvements

Existing

West Sidewalk

6’

12’ Travel Lane

3’ Buffer

4’ Buffer

5’ Median

6’ Buffer

3’ Buffer

Mt Neboh Cemetery

25’

27’

SB Bicycle Lane Protected by Bollards & Wider Buffer

Protected bike lanes have resulted in ↓ - 20% decline in total injuries for all road users

Proposed

West Sidewalk

6’

12’ Travel Lane

6’ Bollard

1’ Buffer

5’ Median

1’ Buffer

1’ Bollard

8’

5’

Mt Neboh Cemetery

25’

27’

NB Bicycle Lane Protected by Bollards, borders new pedestrian space
At Bus Stops
Cypress Hills Street near Jackie Robinson Pkwy, facing north

Proposed

West Sidewalk

12’
12’ Travel Lane

SB bus permitted to access curb

5’
1’ Buffer
1’ Buffer

12’ Travel Lane
6’

Bus bulbs provide ADA bus access on NB side

Mt Neboh Cemetery
B13 Bus Stop Consolidation

Existing:
- 3 stops within 870 feet (3 blocks) between 80th Ave and Cooper Ave
- Substandard waiting and drop-off space

Proposed:
- Consolidate stop at 78th Ave
- ADA improvements at NB stops
- Access to Highland Park and residential neighborhoods improved

**Existing Stops to remain**
- Curbside Stop
- Bus Bulb

**Existing Stops to remove**
Safety Improvements

78th Ave

Existing: NB left turns banned in AM

Cooper Ave

Existing: Limited pedestrian access to triangle park and destinations north

Proposed

Turn ban to be instated for all hours

Machpelah Cemetery

Highland Park
78th Avenue

Existing

- NB left turns from Cypress Hills St banned in AM
- Conflict between turning and through vehicles causes congestion, unsafe movements
- Bike lane markings end without warning
- No sidewalk on east side

Proposed

- Eliminate NB left turns from Cypress Hills St at all times
- Extend protected bike lane through intersection
- Add painted sidewalk space that is accessible by crosswalks
- Improve traffic flow, decrease congestion and unsafe movements
Cooper Avenue – Proposed Additional Safety Improvements

**Issues**

- Limited pedestrian access to Drumm Triangle
- Heavy turns onto Cooper Ave conflict with pedestrian crossing
- Insufficient time dedicated to NB left turns onto Cooper Ave

**Proposed**

- *Study in Progress*: Stop controlled crossings (pending warrant) or enhanced crossings to Drumm Triangle
- Increased pedestrian space
- Adjust signal timing at Cypress Hills St/Cooper Ave to improve traffic flow and pedestrian safety
Update Park Connection
Jackie Robinson Pkwy – Highland Park
Highland Park Access
Jackie Robinson Pkwy Service Rd

- Existing bike route on sidewalk - *unmarked*
- 1 vehicle lane each direction
- Jackie Robinson Pkwy access for vehicles
- Highland Park entrance for pedestrians, bike riders
Improved Access to Highland Park

*Existing*: vehicle slip lane and no crosswalk at Jackie Robinson Pkwy on/off ramp

*Proposed*: New Pedestrian/Bike Crossing at Highland Park access
Jackie Robinson Pkwy

**Existing**
- Slip lane for SB right turns to Jackie Robinson Pkwy on-ramp
- Missing crosswalks
- Unclear, challenging pedestrian access to Highland Park

**Proposed**
- Signalize slip lane to Jackie Robinson Pkwy on ramp
- Install new crosswalk
- Enhance bike connection to Highland Park
Cypress Hills St – Greenway Safety Improvements

2 Highland Park Access  Cypress Hills St – Highland Park entrance

Existing

Proposed

Narrowed Traffic Lanes Calm Traffic

- Separate vehicles from curb with buffer
- Mark shared route on sidewalk
- Add wayfinding signs
Project Benefits

- Improved safety and efficiency for all road users
- Improved pedestrian space and crossings, access to parks, cemeteries
- Improved bus service with consolidated, ADA compliant stops
- Safe one mile protected bicycle connection to Highland Park, greenways
THANK YOU!

Questions?