Prospect Park West (PPW) and 19th St Safety Enhancements

Presentation to MS 422 PTA

May 2, 2022
PPW and 19th St

Presentation Overview

• Background

• Existing Conditions

• Project Proposal

• Next Steps

Wayfinding signage at PPW and 19th St
Background
Background
Planning Framework

- Freight Mobility Unit is committed to strategies outlined in it’s strategic plan: *Delivering New York: A Smart Truck Management Plan for NYC*
  - **Safety**: improve the safety of truck travel at intersections and along corridors
  - **Sustainability**: foster the sustainable and environmentally responsible movement of goods
  - **Freight Efficiency**: Improve the efficiency of freight movement to, from, and within NYC
  - **Partnerships & Knowledge**: Grow public and private partnerships to increase knowledge about freight
- DOT is focusing on improving 1,000 intersections to improve safety for all road users
- DOT is committed to installing 10,000 bike parking racks throughout the city
Freight Mobility Unit Overview

Freight Toolkit

**What We Do:** Reduce the impacts of trucks on communities and infrastructure while improving the sustainability and efficiency of truck deliveries

**How We Do it:** Wide range of strategies, policies and programs in our toolbox
Background

Project Location

- In 2021, DOT converted 20th St to a one-way westbound street, with a parking protected bike lane (3 Av to 7 Av) and shared use path (to be completed in the next few weeks) for pedestrians and cyclists (7 Av to McDonald Av)
- DOT is continuing to monitor conditions on 20th St and 19th St
- Multiple schools are located along 19th St, proximal to existing truck routes (Prospect Expy, 20th St, 10th Av/McDonald Av)
- MS 422 requested DOT to consider safety enhancements on 19th St with respect to eastbound traffic and pedestrian safety
Existing Conditions
Crash Data
Crashes in Project Area

<table>
<thead>
<tr>
<th></th>
<th>Total Injuries</th>
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<tbody>
<tr>
<td>Pedestrians</td>
<td>6</td>
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<tr>
<td>Cyclists</td>
<td>1</td>
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<tr>
<td>Motor Vehicle Occupant</td>
<td>22</td>
</tr>
<tr>
<td>Total</td>
<td>29</td>
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</tbody>
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Injuries proximal to project area
*Injury Summary, 2014-2019 (5 years)*

Overview of crash locations proximal to PPW/19th St
Existing Conditions
Prospect Park West and 19th St

- Insufficient Bike Parking
- High Pedestrian Volumes
- High Volume of Left Turns
Existing Conditions

Peak Hour Traffic Count (PM Peak)

• Volumes are highest within the project area during the PM peak (4:30-5:30 PM, with 779 vehicles)
• Pedestrian volumes are highest during the AM peak (over 300 pedestrians cross)
• During the AM and PM peaks 20% and 16% of vehicles traveling eastbound on 19th St are trucks respectively (before 20th St one-way conversion these values were 32% and 16% respectively); many trips are associated with local deliveries to residential areas

During school drop-off and pick-up times, congestion of 19th St is evident; some signal timing changes were made at 19th St/10th Av/Prospect Expy to accommodate 19th St congestion
Project Proposal
Proposed Safety Improvements

Prospect Park West and 19th St

- Slow left turns
- Signal timing changes
- Shorten pedestrian crossings and increase bike parking capacity
Project Benefits

Improving Intersection Safety

- Shortens crossing distances for pedestrians
- Provides additional bike parking for students and faculty
- Slows left turns by design
- Allocates additional crossing time for pedestrians
- Improves visibility for pedestrians, cyclists and motorists

Reflective of proposed condition, which will also include bike racks (7th Av and Bleecker St, MN)
Next Steps
Next Steps

Timeline

Summer 2022: Planned Implementation

Fall 2022 – End of 2022: Post-implementation monitoring

Safety

- Promote safety for all road users via street design

Partnership

- Allow MS422 and other adjacent schools to maintain bike corral spaces and planters

Continued Monitoring

- Continue spot checks of 19<sup>th</sup> St and 20<sup>th</sup> St during and after project implementation

AM Peak period at Prospect Park West and 19<sup>th</sup> St
Thank You!

Questions?