Presentation Overview

• Background
• Bicycle Network Issues
• Existing Conditions
• Proposed Enhancements
Background

- Willis Ave Bridge replaced in 2012
- 2014 NYCDOT project added shared path signage and markings to bridge bicycle/pedestrian path
Bicycle Network Issues Near the Willis Ave Bridge

- No southbound bicycle connection from Willis Ave Bridge to 2nd Ave
- No northbound bicycle connection from 1st Ave to RFK Bridge

RFK Bridge Path Entrance

2nd Ave parking protected bicycle lane

Willis Ave Bridge shared path

1st Ave bicycle lane

E 125th St

E 124th St

RFK On-Ramp

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RFK Bridge Path Entrance

2nd Ave parking protected bicycle lane

Willis Ave Bridge shared path

1st Ave bicycle lane

E 125th St

E 124th St

RFK On-Ramp
E 125th St at 2nd Ave Existing Conditions

- Complex 6-leg intersection with 3 phase signal operation
- Bicycle connection from Willis Ave Bridge to 2nd Ave protected bicycle lane via E 125th St is difficult, fraught with conflicting vehicle paths
40% of cyclists observed on 1st Ave between the Willis Ave Bridge and E 124th St were traveling against traffic.
Southbound Bicycle Route Issues Near the Willis Ave Bridge

Legal Bicycle Connection

Bicyclist Desire Line
E 124th St – 1st Ave to 2nd Ave Existing Conditions

- Park is a major destination
- Long distances between crossings
- Long crossing distance (94')

8 E 124th St 1st Ave to 2nd Ave

- Senator Robert F Wagner Houses
- Mayor Wagner Swimming Pool
- Othmar Ammann Playground
- RFK Bridge Path

50 feet

600 feet between pedestrian crossings

Bicyclist desire line

Senator Robert F Wagner Houses
1st Ave – E 124th St to E 125th St Proposed Enhancements

Existing

<table>
<thead>
<tr>
<th>East Sidewalk</th>
<th>17.5’ Bus Lane</th>
<th>12’ Travel Lane</th>
<th>12’ Travel Lane</th>
<th>11.5’ Travel Lane</th>
<th>11.5’ Turn Lane</th>
<th>West Sidewalk</th>
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Existing

<table>
<thead>
<tr>
<th>East Sidewalk</th>
<th>16’ Bus Lane</th>
<th>10’ Travel Lane</th>
<th>10’ Travel Lane</th>
<th>10’ Travel Lane</th>
<th>11’ Turn Lane</th>
<th>West Sidewalk</th>
</tr>
</thead>
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Proposed

70’

Proposed

70’
Example of Barrier-Protected 2-way Bicycle Lanes

1st Ave – E 59th St to E 60th St, Manhattan
E 124th St - 1st Ave to 2nd Ave Proposed Enhancements

**Existing**
- North Sidewalk
- Park Facilities
- 50’ Combined Travel and Parking Lanes
- South Sidewalk
- Wagner Houses

**Proposed**
- North Sidewalk
- 5’ Parking Lane
- 5’ Parking Lane
- 13’ Parking Lane
- 11’ Travel Lane
- 13’ Parking Lane
- South Sidewalk
- Wagner Houses
Example of Parking-Protected 2-way Bicycle Lanes

E 37th St – 1st Ave to 2nd Ave, Manhattan
Proposed Enhancement: Bike Stamp Connections

- Use bike stamps to guide bicyclists from the proposed E 124th St protected bike lanes to the RFK Bridge path and the 2nd Ave protected bike lane.
- Mark turn lanes to organize traffic.
Proposed Enhancement: Midblock Enhanced Crossing

- Install uncontrolled midblock enhanced pedestrian crossing with concrete pedestrian island on E 124th St

- Requires the removal of two parking spaces, maintaining 96% of on-street parking capacity*

- Improves pedestrian access to park facilities and calms traffic

*Current on-street parking capacity for E 124th St between 1st Ave & 2nd Ave is 49 spaces
Examples of Pedestrian Crossings

Pedestrian Island in Floating Parking Lane

Prospect Park West, Brooklyn

Enhanced Crossing

Morningside Ave, Manhattan
Summary

Proposed Enhancements:

- Barrier-protected 2-way bicycle lane on 1<sup>st</sup> Ave, E 124<sup>th</sup> St to E 125<sup>th</sup> St
- Parking-protected 2-way bicycle lane on E 124<sup>th</sup> St, 1<sup>st</sup> Ave to 2<sup>nd</sup> Ave
- Bike stamps guiding bicyclists between protected bicycle lanes on E 124<sup>th</sup> St and 2<sup>nd</sup> Ave, and RFK Bridge shared path
- Mid-block pedestrian crossing with concrete pedestrian island on E 124<sup>th</sup> St

Benefits:

- Improved bicycle connection from Willis Ave Bridge to 2<sup>nd</sup> Ave protected bicycle lane
- Improved bicycle connection from 1<sup>st</sup> Ave protected bicycle lane to RFK Bridge
- Improved pedestrian safety and access to park facilities on E 124<sup>th</sup> St