Background

Village Alliance BID requested safety improvements & bicycle corrals along 8th St

Community Board 2 requested pedestrian safety improvements near Ruth Wittenberg Triangle

High crash corridor
Sources: Injuries, NYS Dept. of Transportation – Fatalities, NYC Dept. of Transportation
Existing Conditions

- 5th Ave
- 6th Ave
- 9th St
- Greenwich Ave
- Christopher St
- W. 9th St

South Sidewalk: 17' Combined Travel / Parking Lane
North Sidewalk: 17' Combined Travel / Parking Lane

34' Width
Existing Conditions

- Misaligned curblines
- Underutilized triangle
- Long crossing distances at W.8th & 6th Ave

Ruth Wittenberg Triangle
(6th Ave, W.9th St, Greenwich Ave)
Existing Conditions

E.8th St at Greene St

High pedestrian crossing volumes at MacDougal, Greene, Mercer and mid-block

W.8th St at MacDougal St

E.8th St at Greene St
Existing Conditions

Turning conflicts

E.8th St & 5th Avenue

Greenwich Ave & 6th Avenue
Existing Conditions

Corridor too narrow for two proper travel lanes

Often functions with single travel lane
Rapid Response Toolkit

• Pavement markings
• Signal modifications
• New signage
• Painted and/or textured surfaces
• Flexible delineators
Rapid Response Toolkit

Typical bike corral with planters
Concrete island examples

Tinted concrete simulating bluestone pavers
Proposed Enlarged Ruth Wittenberg Triangle (replacing blue stone with concrete)
Proposed

6 neckdowns (concrete where feasible)

Ruth Wittenberg Triangle
6th Ave/Greenwich Ave/
W.8th/W.9th
Proposed

W.8th St MacDougal to 5th Ave

W.8th Street

MacDougal St

E.8th Street

Proposed

South Sidewalk 10' Parking Lane 11' Travel Lane 13' Parking Lane North Sidewalk
Proposed

Painted neckdowns

Requested bike corral

Left turn only lane

W.8th St MacDougal to 5th Ave

New lane/parking markings

Painted neckdowns

New signal LPI (under inv.)
Proposed E.8th St
University Pl to Broadway
Proposed

Painted neckdowns

E.8th St University PI to Broadway

New lane/parking markings

Requested bike corral

Right turn only lane

South Sidewalk

11' Parking Lane

11' Travel Lane

12' Parking Lane

North Sidewalk
Benefits

- Reduces speeding / calms traffic
- Safer pedestrian crossings
- Normalize intersections and shorten crossing distances
- Provides bicycle parking to support local businesses
- Provides appropriate travel lane size
- Wide curb lane allows for safe bicycle travel
Summary

- Install painted neckdowns at MacDougal, Greene and Mercer Streets intersections plus at 6th Ave, University Pl, 5th Ave, and Broadway
- Build concrete neckdowns at 6th Ave at Greenwich Ave, and 6th Ave at W.9th St
- Create one travel lane and two wide parking lanes
- Build out Ruth Wittenberg triangle on Greenwich Ave and 6th Ave in concrete
- Program enlarged space with seating and planters with Village Alliance Partnership
- Install requested bicycle corrals and normalize bike markings on 6th Ave
- LPI’s under investigation at 5th Ave, 6th Ave and Broadway
NYC DOT Bike Corrals
Program Background

- DOT has installed 24 bike corrals city wide

- A bike corral is a row of bike racks installed in a curbside lane of a street

- Locations are identified based on requests from maintenance partners

- The maintenance partner is required to keep the site clear of debris and snow, maintain plantings, and report abandoned bicycles

Smith St and Sackett St, Brooklyn
Installed: August 2011
Maintained by: Sackett Street Block Association

82nd St & Roosevelt Ave, Queens
Installed: April 2013
Maintained by: 82nd St Partnership
Physical Guidelines

- Must be in a curbside lane that is never used as a travel lane
- May not block crosswalks, driveways, bus stops, and utility covers
- Must be a minimum of 15’ away from fire hydrants or bus stops
Example of a Bike Corral

Broadway & W 105th St, Manhattan
Installed: March 2013
Maintained by: Henry’s Restaurant