Harlem River Bridges

Access Plan

Workshop Round 3
March 2016
Tonight’s Agenda

Presentation:
Background + overview of project concepts (15 min)

Participation:
4 bridge area discussions
Comments, questions, feedback (20 mins each)
Harlem River Bridges Access Plan

Project Goals

• **Improve safety**
  reduce traffic crashes through new street designs

• **Provide safe options**
  for commuting and recreation

• **Improve Short and Long Term conditions**
  install temporary materials while seeking funding for full capital build-outs

1-3 year plan

**Short Term**

• Develop projects for community board review 2016 - 2018

• Publish comprehensive planning document

5-10 year plan

**Long Term**

• Seek funding

• Build capital improvements
Harlem River Bridges Access Plan

Planning Process

2015
- Summer: Workshop Round 1
- Fall: Bridge Surveys

2016
- Fall: Workshop Round 2
- Spring: Workshop Round 3
- Summer: Select Projects presented to Community Boards
- Fall: Planning Document release

All final proposals will be reviewed through the regular Community Board Process before implementation.
Summary of Feedback from Previous Workshops/Surveys

• **Difficult to cross the street** at major intersections near bridge entrances

• **Better wayfinding & connections needed** to major destinations.

• **Better lighting desired** on and near all bridges

• Interest in **new or upgraded bicycle routes** leading to and across Harlem River from network
  – Protected paths preferred where feasible
  – East-West connections emphasized

• **Long-term improvements** to bridges
  – Wider paths preferred where feasible
  – ADA compliance
**Outcome:**
**Policy Recommendations**

**Focus on Vision Zero**
- 18 projects are proposed on VZ priority corridors, intersections and areas

**Install Wayfinding**
- Install WalkNYC wayfinding signage at bridge entrances
- Install bicycle guide signs on bike routes

**Improve Lighting**
- Upgrade lighting to LED standard
**Outcome: Project Types**

**Bridge Capital Project:**
Proposals to enhance safety + pedestrian and bicycle access across the Harlem River on DOT bridges

**Bridge Connector Project:**
Short- and long-term potential projects to create safe, comfortable routes to bridge approaches on DOT Right of Way (ROW)

**Bicycle Network Project:**
Potential new bicycle routes leading to existing or planned on-bridge bicycle connections

**Agency Partnership Project:**
Potential enhancement to bridge or connection which requires participation by another agency or property owner
Harlem River Bridges Access Plan: Overview

Workshop Focus

A  Henry Hudson/ Broadway Bridges

B  University Heights Bridge

C  Washington/ High Bridges

D  Macombs Dam Bridge

E  145th St / Madison Ave Bridges

F  3rd/Willis/Randall’s Island Connector Bridges

G  Wards Island Bridge

Geographic Scope:

- 2 project areas: North and South of Macombs Dam (Bronx and Manhattan)
  - Each workshop will focus on one area across 2 boroughs
  - Participants may comment on any project in any area
- Focus on:
  - DOT- owned bridge structures and approaches
  - Safety and access improvements on city streets, corridors within ~1 mile
  - Potential for shorter-term implementation
  - Possible to build with existing resources
Harlem River North Bridges

- A: Henry Hudson/Broadway Bridges
- B: University Heights Bridge
- C: Washington/High Bridges
- D: Macombs Dam Bridge
Feedback

“Pedestrian improvements needed at 240th St”

“W 225th and Bailey is a difficult intersection to cross”

“Cyclists use the sidewalks on the Broadway Bridge”

Bridge Capital Project

1 Broadway Bridge Enhancements

Bridge Connector Projects

2 Van Cortlandt Park Connector (BX)
3 Inwood Connector (MN)

Bicycle Network Projects

A Mosholu-Pelham Greenway Connector (BX)

Agency Partnership Project

Henry Hudson Bridge Access Improvements (BX/MN)
**Broadway Bridge Enhancements**

**Short term improvement**
- Wayfinding signage on both sides of bridge

**Bridge Connector Projects**

**Long term improvement**
- Planned Bridge refurbishment will include buffered bike lanes in both directions

**Cost Estimate:** Funded
W 225th St: Broadway - Bailey Ave
Bailey Ave: W 225th St – Van Cortlandt Park

• Install traffic calming with possible on-street bicycle markings connecting to Broadway Bridge to Van Cortlandt Park

Existing: W 225th St, Bronx facing west

Potential: 4-to-3 conversion with wide parking lanes
Inwood Connector (MN)

10th Ave: Sherman – Broadway
Broadway: 10th Ave – Broadway Bridge
207th St: Broadway Bridge – 10th Ave

- Shorten crossing distances
  - Broadway and 9th Ave
  - Broadway and 219th, 220th Sts
- Install on-street bicycle markings between Bridge and existing bicycle network

Potential: Concrete curb extensions

Potential: On-street bicycle markings
**Bicycle Network Projects**

A Mosholu-Pelham Greenway Connector (BX)

[i] Agency Partnership Project

Henry Hudson Bridge Access Improvements (BX/MN)

**Existing:** W 240th St and Broadway, facing west
Harlem River Bridges Access Plan

Harlem River North Bridges

A. Henry Hudson/Broadway Bridges

B. University Heights Bridge

C. Washington/High Bridges

D. Macombs Dam Bridge
Feedback

“Sedgwick and University are important pedestrian intersections”

“Double parking and speeding are issues on 10th Ave”

“Concern about traffic on 207th particularly with nearby schools”

Bridge Capital Project

4 University Heights Bridge Enhancements

Bridge Connector Projects

5 W Fordham Rd Approach Improvements (BX)

6 9th Ave Access Improvements (MN)

Bicycle Network Projects

B University Heights Bicycle Route Connection (BX)

C Sedgwick Ave (BX)

Existing: W 207th St at 10th Ave, facing east
University Heights Bridge Enhancements

**Short term improvement**
- Explore accommodation for on-street bicycle lanes on bridge
- Add designated turn lanes for vehicles on bridge

**Long term improvement**
- Capital build out of 2-way protected bicycle path
- Designate south path for pedestrians and north path for cyclists

**Existing**
- South Sidewalk
  - 12’ Moving Lane
  - 12’ Moving Lane
  - 12’ Moving Lane
  - 12’ Moving Lane

**8’**

**Potential**
- South Sidewalk
  - 12’ Moving Lane
  - 11’ Turn Lane
  - 12’ Moving Lane

**8’**

**35’**

**11’**

Cost Estimate $$$$
W Fordham Rd: Major Deegan Expwy – Sedgwick Ave

- Shorten existing crossing distances at bridge approach
- Add crossings where feasible

Existing: University Heights Bridge at Maj. Deegan Expwy, facing east

Potential: Yield to pedestrian and cyclist crossings
10th Ave: 204th St – 207th St
204th/205th St: 9th Ave – 10th Ave
9th Ave: 204th St – 207th St

- Improve pedestrian and vehicle access to University Heights Bridge from 9th Ave

Existing: 9th Ave at W 207th St, facing east

Potential: Shorter, safer pedestrian crossings
Bicycle Network Projects

- University Heights Bicycle Route Connection (BX)
- Sedgwick Ave (BX)

Existing: Sedgwick Avenue, facing south
Harlem River Bridges Access Plan

Harlem River North Bridges

A. Henry Hudson/Broadway Bridges

B. University Heights Bridge

C. Washington/High Bridges

D. Macombs Dam Bridge
Feedback

“Hard to get to the (Washington) bridge as a pedestrian”

“East-west connection on W 167 St can be scary on bike”

“Need signal at Sedgwick to waterfront”

Bridge Capital Project

7  Washington Bridge Protected Bicycle Lanes

Bridge Connector Projects

8  Washington Bridge Gateway (BX)
9  Amsterdam Ave Approach Improvements (MN)
10 Bridge Park -High Bridge Connector (BX)
11 Hudson -High Bridge Connector (MN)

Bicycle Network Projects

D  Tremont Ave (BX)
E  Hudson River Greenway WB Connector (MN)
F  170th St Extension (BX)

Existing: Undercliff Ave at Sedgwick Ave, facing north
Short term improvement

Use excess road capacity to install 2-way bicycle path on north side of bridge, from E L Grant Hwy – Laurel Terrace

Designate separate paths for pedestrians and cyclists

Long term improvement

Capital build out of 2-way protected bicycle path

Explore pedestrian fly-over to replace stairs on Manhattan south access

Cost Estimate $$$$
Washington Bridge Approach
- Work with NYS DOT to add protected bicycle paths and improved pedestrian crossings

Edward L Grant Hwy: Washington Bridge - W Tremont Ave
- Move existing bicycle lanes to center median
- Add median pedestrian crossings

Edward L Grant Hwy: Jerome Ave – Washington Bridge
- Upgrade existing on-street standard bicycle lanes to parking protected lanes

Potential: Parking Protected Bicycle Lane
Potential: Painted Median Bicycle Lanes and Improved Median Parks
Amsterdam Ave: W 180th St – Laurel Terrace

- Shorten crossing distances at bridge approach
- Install 2-way protected path on west side of Amsterdam to avoid heavy vehicle turns

Existing: Amsterdam Ave, facing north

Potential: Separated 2-way Bicycle Lane
Bridge Park to High Bridge Connector (BX)

Depot Pl

Sedgwick Ave: Depot Pl – Undercliff Ave

Undercliff Ave: Sedgwick Ave – Boscobel Pl

- Complete installation of planned Bridge Park connector on Depot Pl
- Capital build out of 2015 improvements

Existing: Depot Pl, facing west

Potential: Separated 2-way Bicycle Lane
**Hudson – High Bridge Connector (MN)**

**Edgecombe Ave: W 170th St – W 155th St**

**W 170th St:** Edgecombe Ave – Ft Washington Ave  
**W 158th St:** Hudson River Greenway – Broadway

- Capital build out of 2015 improvements

**Existing:** Edgecombe Ave at Jumel Pl, facing south

**Potential:** Capital build out of separated path
Bicycle Network Projects

Tremont Ave (BX)
Hudson River Greenway WB Connector (MN)
170th St Extension (BX)

Existing: W 170th St, at E L Grant Hwy facing east
Feedback

“A crossing would be helpful – going north you get stuck on wrong side of the bridge”

“Walking over is easier than transit”

“Pedestrian walkways too narrow- difficult for 2 people to walk side by side”

“Bridge paths too narrow for cyclists- is a Willis Ave Bridge-style path possible?”

Bridge Capital Project

12 Macombs Dam Bridge Enhancements

Bridge Connector Projects

13 Yankee Stadium- Grand Concourse Connector (BX)
14 Harlem River Park Connector (MN)

Agency Partnership Project

ii Mill Pond Waterfront Connection (BX)

Existing: Macombs Dam Bridge, facing west
Harlem River South, Focus Area A: Macombs Dam Bridge

**Macombs Dam Bridge Enhancement**

**Short term improvement**
- Install Walk NYC and bicycle wayfinding signage

**Bridge Connector Projects**
- 13
- 14

**Long term improvement**
- Build cantilever on north side of bridge
- Install shared-use bicycle path on north side
- Bicycle path to touch down at Jerome Ave on north side

**Cost Estimate $$$$**
Jerome Ave: Bridge - E 161st St

E 161st St Service Rds: Jerome Ave - Grand Concourse
- Shorten pedestrian crossing distances
- Install on-street bicycle lanes from bridge to existing bicycle network

**Potential:** Curb extensions and enhanced markings

**Potential:** On-street, curbside bicycle lanes
ACP Blvd: W 150th St – W 155th St

- Install signalized crossing at W 155th St
- Install on-street bicycle markings from bridge to existing signed bicycle route

Potential: New pedestrian crossing

Potential: On street shared bicycle markings
Agency Partnership Project

Mill Pond Waterfront Connection (BX)

Existing: Gateway Center Blvd, facing northeast
Harlem River Bridges Access Plan

Harlem River South Bridges

D Macombs Dam Bridge

E 145th St / Madison Ave Bridges

F 3rd/Willis/Randall’s Island Connector Bridges

G Wards Island Bridge

145th St Bridge

Madison Ave Bridge
Feedback
“Pedestrian improvements” desired on E 149th St
“135th/Madison is very difficult to cross”
“Getting off the Greenway, back to the street, is difficult”

Bridge Capital Projects
145 St Bridge Enhancements
Madison Ave Bridge Approach Enhancements

Bridge Connector Projects
E 149th St Corridor Improvements (BX)
Harlem River Greenway Connector (MN)
E 138th St: bridge to 3rd Ave (BX)

Bicycle Network Projects
East-West Bicycle Route to Hub (BX)
W 142nd St & W 143rd St, bridge to ACP Blvd (MN)
E 135th St: bridge to St. Nicholas Ave (MN)

Agency Partnership Project
5th Ave Harlem River Greenway Connector (MN)
145th St Bridge Enhancement

**Short term improvement**

- Install intersection improvements at bridge approach on both sides
- Install shared-lane bicycle markings across bridge
- Bridge Connector Projects: 16, 17

**Long term improvement**

- Build cantilever on north side of bridge
- Move gates out of the way to create shared-use path on north side

Cost Estimate: $$$$
Intersection improvements at:

- Grand Concourse
- Park Ave
- Morris Ave
- 3rd Ave

E 149th St: River Ave to 3rd Ave

- Install on-street bicycle markings connecting bridge to existing bicycle network
Lenox Ave, W 143rd St, 5th Ave:
- Bicycle route and improved ped path along Col. Charles Young Playground
- Create Greenway gateway at 5th Ave and W 143rd St

Existing: W 143th St, facing west

Potential: On-street bicycle lanes
Madison Ave Bridge Approach Enhancement

**Short term improvement**
- Install Walk NYC and bicycle wayfinding signage
- Bridge Connector Project

**Long term improvement**
- Narrow travel lanes and buffer space
- Expand pedestrian and bicycle space on east side of Madison Ave Bridge access ramp

**Cost Estimate $$$$$**
**E 138th Street Corridor Improvements (BX)**

**E 138th St: Exterior St – 3rd Ave**

- Install concrete pedestrian islands where feasible
- Install on-street bicycle lanes between the bridge and existing routes on 3rd Ave and E 138th St

**Existing:** E 138th St, facing east

**Potential:** Traffic calming, concrete islands and on street bicycle lanes

Project presented to BX CB 1 in March 2016
Bicycle Network Projects

- East-West Bicycle Route to Hub (BX)
- W 142nd St & W 143rd St, bridge to ACP Blvd (MN)
- E 135th St: bridge to St. Nicholas Ave (MN)

Agency Partnership Project

- 5th Ave Harlem River Greenway Connector (MN)

Existing: 135th St, facing west
Harlem River Bridges Access Plan

Harlem River South Bridges

D  Macombs Dam Bridge

E  145th St / Madison Ave Bridges

F  3rd/Willis/Randall’s Island Connector Bridges

G  Wards Island Bridge

Randall’s Island Connector

Willis Ave Bridge
Feedback

“3rd Ave bridge is a comfortable walking route”

“Connect Willis Ave bridge to 2nd Ave”

“Cars double park in (Willis Ave) bike lane”

“Priority to connect bikes to new Randall’s Island bridge (instead of) RFK”

Bridge Capital Project

20  3rd Ave Bridge Enhancements

Bridge Connector Projects

21  Willis Ave Protected Bicycle Lanes (BX)
22  Willow Ave Protected Bicycle Lanes (BX)
23  E 133rd St Protected Bicycle Lanes (BX)
24  1st Ave Access Improvements (MN)

Bicycle Network Projects

J  East-west route from Willis Ave Bridge – Hudson River

Existing: Hell Gate path, Randall’s Island
**3rd Ave Bridge Improvements**

**Short term improvement**
Direct cyclists to preferred Willis Ave Bridge path with wayfinding signage

**Long term improvement**
Extend ADA compliant ramp to Bruckner Blvd

Explore capital build out of path to connect bridge to greenway on Manhattan side

**Rationale**
On-street bicycle access on bridge not feasible with current traffic conditions

If future traffic volumes change (toll reform) on street bicycle markings should be explored

**Cost Estimate:** TBD
Willis Ave: Bruckner Blvd – E 140th St

- Shorten pedestrian crossings at bridge path entrance
- Install protected bicycle path connecting bridge to existing bicycle network

**Existing:** Willis Ave at E 135 St, Bronx facing north

**Potential:** Two way protected bicycle lanes
Willow Ave Protected Bicycle Lanes (BX)

Bruckner Blvd & E 138th St
- Increase pedestrian space, add crossing, calm traffic

E 132nd St, Willow Ave & Bruckner Blvd
- Gateway to Randall’s Island
- 2-way protected bike path from bridge to existing bicycle network
- Extend protected path along Bruckner to connect to South Bronx Greenway

Potential: Concrete islands at Bruckner Blvd & Hunts Point Av, BX

Potential: Two-way protected bicycle lanes

Project is going to BX CB 1 in summer 2016
E 133rd St Protected Bicycle Lanes (BX)

Bruckner Blvd/E 133rd St: Willis Ave – Willow Ave
- Upgrade existing standard bike lane to 2-way protected path
- Extend protected path to Willis Ave Bridge – Randalls Island Connector

Existing: E 133 St at Bruckner Blvd, facing east

Potential: Two-Way protected bicycle lanes

Project is going to BX CB 1 in summer 2016
**1st Ave Access Improvements (MN)**

**1st Ave & E 124th St: 2nd Ave – Willis Ave Bridge**

- Install protected 2-way bike path access from Willis Ave Bridge to 1st & 2nd Ave protected bicycle lanes

**Existing:** 1st Ave between E 125th St and E 124th St

**Potential:** Converted 2-way protected bicycle lane

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Project presented to MN CB 11 in February/March 2016
Bicycle Network Projects

East-west route from Willis Ave Bridge – Hudson River (MN)

Potential: On-street shared lane markings
Harlem River Bridges Access Plan

Harlem River South Bridges

D  Macombs Dam Bridge

E  145th St / Madison Ave Bridges

F  3rd/Willis/Randall’s Island Connector Bridges

G  Wards Island Bridge

Wards Island Bridge

E 102nd St
### Feedback

“More connections to the Greenway needed”

“Greenway is important for transportation”

“Help people find the bridge at E 102nd St”

“East-west connection needed here”

### Bridge Connector Projects

- Triborough Greenway Connector (MN)
- Thomas Jefferson Park Connector (MN)
- E 102nd St Access Improvements (MN)

### Bicycle Network Projects

- East-west connection from Greenway/Central Park/Riverside Dr

**Existing:** E 102nd St Greenway access, facing north
Hell Gate Cir: RFK Bridge, Queens ramp – Hell Gate path

- Build out curb separated, asphalt multi use path
- Add on street bicycle markings to connect route to Hell Gate path

**Existing:** Hell Gate Cir, facing south

**Potential:** Separated multi use path
E 111th St: New Rd – Greenway entrance

- Shift parking, add on-street, protected 2-way path
- Gateway to Thomas Jefferson Park and Manhattan Waterfront Greenway
E 102nd St Access Improvements (MN)

**E 102nd St: 1st Ave – FDR DR**
- Redesign street end into greenway gateway
- Remove barrier, improve ramp and address drainage issues

**Existing:** E 102nd St, facing west

**Potential:** Street end park, gateway to Greenway
Bicycle Network Projects

East-west connection from Greenway/Central Park/Riverside Dr
Table Discussion

- 4 rounds of 20 minutes
- Facilitators will move to the next table
- Feedback summaries shared at end

Participants

DOT Staff

Facilitator

Note Taker

Harlem River Bridges Access Plan

- Henry Hudson & Broadway Bridges
- University Heights Bridge
- Washington & High Bridges
- Macombs Dam Bridge
Use a sticker to “Vote” for priority projects

- Use a **Green Sticker** to mark the project you feel should be prioritized
  - Existing condition is unacceptable
  - Benefits the most people
  - Good balance of resources and impact

- Use a **Red Sticker** to mark a project you feel should be less prioritized.
  - Existing condition is acceptable
  - Benefits fewer people
  - Cost or timing too large
For More Information: www.nyc.gov/dot

Contact Us:

HarlemRiverBridges@dot.nyc.gov

Sign up for email updates:

tinyurl.com/HarlemRiverBridgesSignUp

Round 3 Workshops:

Manhattan South
Tuesday, March 22
6:30 pm
Rio II Gallery
583 Riverside Dr, MN

Bronx North
Tuesday, March 29
6:30pm
Bronx Lebanon Hospital Murray-Cohen Auditorium
1650 Grand Concourse, BX

Bronx South
Wednesday, March 23
6:30pm
Hostos Community College  Savoy Manor Building
120 E 149 Street, BX

Manhattan North
Wednesday, March 30
6:30 pm
Good Shepherd School
620 Isham St, MN