Edgecombe Ave, W170 St, W159 St & W158 St
Bicycle & Pedestrian connections to the High Bridge
Project Issues

High Bridge Access
- New walking + cycling connection between Manhattan and the Bronx
- Highbridge Park will see more visitors

Greenway Connections
- But few neighborhood access points

Pedestrian Safety
- Through traffic between bridges and highways creates high-crash location
Proposed Route & Improvements

High Bridge Access

Traffic calming on Edgecombe Ave

Greenway Connections

Bicycle connections to and from High Bridge

Pedestrian Safety

Vision Zero initiative, intersection improvements
Wide travel lanes (42’ road width) encourage speeding

Limited pedestrian crossings into Highbridge Park

W 165 Street is a primary entrance to High Bridge
High Bridge Access
Edgecombe Ave - proposed

One way - Jumel Pl - W 167th St

Existing

West Sidewalk

Combined Travel & Parking Lane

42'

East Sidewalk

Proposed

West Sidewalk

8' Parking Lane

13' Travel Lane

8' Parking Lane

4' Buffer

4.5' 4.5'

East Sidewalk
High Bridge Access
Edgecombe Ave - proposed

Two way - W 170 St - Jumel Pl & W 167 St - W 165 St

Existing

- West Sidewalk
- 21' Combined Travel & Parking Lane
- 21' Combined Travel & Parking Lane
- 42'

Proposed

- West Sidewalk
- 8' Parking Lane
- 11' Travel Lane
- 11' Travel Lane
- 3' Buffer
- 4.5' 4.5'
- East Sidewalk
High Bridge Access
Edgecombe Ave - proposed

Proposed precedent: Prospect Park West, Brooklyn

Parking provides protection for bike lanes

Bike lanes adjacent to park sidewalk
High Bridge Access
Edgecombe Ave - proposed

Two way - W 165 St - W 155 St

Existing

- West Sidewalk
- 21' Combined Travel & Parking Lane
- 21' Combined Travel & Parking Lane
- East Sidewalk

42'

Proposed

- West Sidewalk
- 8' Parking Lane
- 13' Shared Lane
- 13' Shared Lane
- 8' Parking Lane
- East Sidewalk

42'

Narrower lanes discourage speeding
Shared bicycle markings provide wayfinding for cyclists

Map:
- W 165 St
- W 164 St
- W 159 St
- W 158 St
- W 155 St
- Edgecombe Ave
High Bridge Access
Edgecombe Ave - proposed

Proposed precedent: Reservoir Oval, Bronx

New “Yield to Pedestrian Crosswalks”

W 165 St
Entrance to Highbridge Park

W 162 St
Bus Stop

Between W 157 St - W 155 St
Coogan’s Bluff Playground
Greenway Connections
W 170 St - existing

Wide travel lane

42' one-way, wider than other nearby one ways

East-west connection to Highbridge Park from GWB access
Greenway Connections
W 170 St - proposed

One way - Edgecombe Ave to Ft Washington Ave

Existing

42'
Combined Travel & Parking Lane

Proposed

8' Parking Lane
13' Travel Lane
8' Parking Lane

3' Buffer
5'
5'
Greenway Connections
W 170 St - proposed

Proposed concrete build out & adjustment of bollards
Greenway Connections
W 158 St & W 159 St - existing

East of Broadway
Edgecombe Av to Broadway

30’ wide, largely residential
East- west pair, local connection
Greenway Connections
W 158 St & W 159 St - proposed

One way - Edgecombe Ave to Broadway

Existing

30'
Travel and Parking Lane

30'

Proposed

8' Parking Lane
14' Shared Lane
8' Parking Lane

30'
Greenway Connections
W 158 St & W 159 St - proposed

Proposed precedent: Hoyt Street, Brooklyn
Greenway Connections
W 158 St west of Broadway - existing

Wide travel lanes: 17’ each

No existing parking

Direct access to Manhattan Waterfront Greenway
Greenway Connections
W 158 St west of Broadway - proposed

Two way - Henry Hudson Pkwy to Broadway

Existing

- South Sidewalk
- 17' Travel Lane
- North Sidewalk

34'

Proposed

- South Sidewalk
- 11' Travel Lane
- 3' Buffer
- 4.5' 4.5'
- North Sidewalk
Greenway Connections
W 158 St west of Broadway - proposed

Proposed precedent: Vernon Blvd, Queens
Heavy traffic because of Henry Hudson Parkway access

Vision Zero Priority Intersections
Pedestrian Improvements
W 158 St & Broadway and W 159 St & Broadway - proposed

Increased pedestrian space
Shortened crossings
Pedestrian Improvements
W 158 St, Riverside Dr & Edward Morgan Pl - existing

Heavy traffic because of Henry Hudson Parkway access

Complicated 6 point intersection

Long, indirect crosswalks
Pedestrian Improvements
W 158 St, Riverside Dr & Edward Morgan Pl - proposed

- Increased pedestrian space
- * New pedestrian areas will be built in concrete where feasible
- Restricted turns simplify intersection
- Left turn lane relieves pressure on heaviest movement
Pedestrian Improvements
W 158 St, Riverside Dr & Edward Morgan Pl - proposed

Proposed precedent:
Greenpoint Ave, Brooklyn
Approximate loss of 20 spaces

Parking adjustments allow for
• Visibility at crosswalks
• Increased access at Highbridge Park entrance
• Emergency vehicle access
Project Benefits

**Increased visibility and access** to High Bridge & Highbridge Park

**Reduces speeding, calms traffic** on Edgecombe Ave

**Additional crosswalks** on Edgecombe Ave

**Safer, shorter** existing pedestrian **crossings** on
- Broadway at W 158 St & Broadway at W 159 St
- W 158 St at Riverside Dr & Edward Morgan Pl