Centre & Lafayette St
Protected Bicycle Lanes
September 2021
Background
**Brooklyn Bridge:**
- No northbound connection from the Brooklyn Bridge without forcing cyclists to divert multiple blocks either east or west

**Manhattan Bridge:**
- Protected bike lane connections installed on Allen St and on Chrystie St, which connect to 1st Ave and 2nd Ave
Manhattan Access:

• Upgraded Brooklyn Bridge bicycle path will be complete in September 2021

• Cyclists access the two-way bike lane via the middle of the roadway at the intersection of Centre St and Chambers St
Left turning vehicles exiting the bridge are restricted to a dedicated turn phase.

Bicycles are protected from left turning vehicles by signal timing.

All-pedestrian “Barnes dance” is maintained.
Changes for Motorists:
- Travel lanes reduced from two lanes in each direction to one
- Add a northbound left turn lane at Reade St

Changes for Cyclists:
- Continue barrier-protected bike lane in the middle of the roadway north from where bridge path ends at Chambers St
Changes for Motorists:
• Maintains two travel lanes and buffered space on both sides

Changes for Cyclists & Pedestrians:
• Continues the barrier-protected bike lane north to the concrete median at Duane St
• Adds additional pedestrian space at the southern end of Foley Square at Duane St
Changes for Motorists:
• Travel lanes reduced from three lanes to two
• Add approximately seventeen parking spaces on the west side of the street

Changes for Cyclists & Pedestrians:
• Remove existing unprotected bike lane on east side, replace with a parking protected bike lane on the west side
• Reduce crossing distances and add pedestrian islands at Pearl St and Worth St
Existing Conditions & Proposal
Centre St:

- Install a protected bicycle lane on Centre St from end the Brooklyn Bridge connection at Worth St to Canal St
- Add pedestrian refuge islands at intersections to reduce pedestrian crossing distances
- Reduce Centre St to one travel lane between Canal St and Worth St

Lafayette St:

- Install a protected bicycle lane on Lafayette St from Kenmare St to Brooklyn Bridge connection at Worth St
- Add pedestrian refuge islands at intersections to reduce pedestrian crossing times
Existing Conditions
Centre St

- Long crossing distances
- No northbound bicycle facility past Worth St
- Cyclists mix with vehicles
- Heavy curb access results in motorists frequently double-parking
Existing Conditions

Lafayette St

- Long crossing distances
- Existing buffered bike lane is unprotected and often blocked
- Cyclists not protected from vehicles
- Disorganized turning movements
Changes for Motorists:
• Travel lanes reduced from two lanes to one
• Approximate reduction of three parking spaces per block
• Work with affected agencies in locations with curbside authorized parking

Changes for Cyclists & Pedestrians:
• Continue the parking protected bike lane along the west curb
• Install pedestrian refuge islands to reduce crossing distances for pedestrians

Canal St to Spring St:
• Perform supplemental traffic analysis in Winter 2022, return to Community Board with a proposal for remainder of Centre St in Spring 2022
Upgrade the existing buffered bike lane to a protected lane:

- Protected lane for cyclists along the east curb connects Spring St and Grand St bike lanes to the Brooklyn Bridge
- Installs pedestrian refuge islands and reduces crossing distances for pedestrians
- Maintains two travel lanes for vehicles
- Removes approximately three parking spaces per block for left turn treatments and pedestrian islands
- Work with affected agencies in locations with curbside authorized parking
Summary
Project Summary:

• Create a protected northbound bicycle connection from the Brooklyn Bridge north to Canal St
• Upgrade Lafayette St to a protected lane to connect to the Brooklyn Bridge
• Shorten crossing distances for pedestrians and install pedestrian islands
• Expand pedestrian space in Foley Square adjacent to subway access
• Maintain capacity for motorists while expanding the protected bicycle lane network to the East River Bridges
Thank You!

Questions?