Atlantic Avenue at Columbia Street
Brooklyn Waterfront Greenway Improvements

6/27/2011 – CB 2
1. Project Background
2. Existing Conditions
3. Signal Changes for BQE Ramp
4. Atlantic Ave / Park Improvements
5. Columbia Street Improvements
Project Background
Brooklyn Waterfront Greenway Improvements

• Spring 2010 - Pier 6 opened
• Summer 2010 - Temporary Path
• 1.5 Miles of separated, waterfront path from Old Fulton to Degraw Street
Project Background

Brooklyn Waterfront Greenway Progress

- Fall 2010 Brooklyn Waterfront Greenway Workshops: Atlantic Avenue and Congress Street identified as important access to the Park
- Plan developed with Port Authority and Brooklyn Bridge Park
Pedestrians/cyclists along waterfront have increased.

Issues were raised by several community leaders:

- State Senator Daniel Squadron
  Pedestrian and cyclist safety
- Councilmember Steve Levin
  Pedestrian and cyclist safety
- Councilmember Brad Lander
  Pedestrian and cyclist safety
- Brooklyn Bridge Park Defense Fund
  Park access
- Brooklyn Bridge Park
  Park access
- NYPD
  Traffic safety and compliance
- Port Authority
  Working waterfront
INTERIM IMPROVEMENTS
Implemented Last Summer

New Pedestrian Signals

Restricted Right Turn on Red

Eliminated Right Turn on Red
PROJECT FOCUS AREAS
Atlantic Avenue Corridor Improvements

1. Atlantic Ave and BQE Entrance
   1) Improve signal timing
   2) Improve "No Right Turn on Red" sign
   3) Explore red light camera

2. Atlantic Avenue and Furman Street
   1) Formalize crosswalk
   2) Formalize greenway connection
   3) Relocate bus stop to park entrance
   4) Increase truck/ped/bike visibility
   5) Enhance park gateway landscaping

3. Columbia Street between Atlantic Ave and BQE Entrance
   1) Simplify southbound movement by reducing number of lanes
   2) Remove greenway from sidewalk
   3) Improve bicycle facility and visual connection with Columbia Street Greenway

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Diagram:
- Atlantic Avenue
- Furman Street
- BQE EB On-Ramp
- Brooklyn Bridge Park
- Columbia Street
- Atlantic Ave and BQE Entrance
- Folded Foil Park
- Heavy vehicular volumes along Hicks Street during peak hour
  - 820 vehicles per peak hour make right turn onto BQE
  - “Right turn on red” permitted 7am to 10am to accommodate high volumes

- High pedestrian volumes along Atlantic Avenue to access park
EXISTING
BQE On-Ramp

- Bottleneck at BQE On-Ramp
  - Adjacent thru-lane illegally makes right at “right turn on red”
PROPOSED
Atlantic Avenue
Between Hicks Street and the BQE Entrance

- Signal timing improvements
- New sign that emphasizes No Turn on Red
- Exploring Red Light Camera
EXISTING
Atlantic Avenue and Furman Street
EXISTING
Atlantic Avenue and Furman Street

Bicycle entrance to Park is on south side of Atlantic

Pedestrian entrance to Park is on north side of Atlantic

Heavy truck volume in/out of PANYNJ facility
EXISTING
Atlantic Avenue and Furman Street

Narrow sidewalk that is shared with bike lane.
PROPOSED
Atlantic Avenue and Furman Street

- **South Sidewalk**: 4’
  - Buffer for Truck Visibility: 10’
  - Bike Lane: 8’
  - Variability: Varies
  - Pedestrian Space: Varies

- **North Sidewalk**: 15’
  - Buffer for Truck Visibility: 12’
  - Westbound Moving: 13’

- **Moving Lane/Layby**: Varies
  - Eastbound: Varies
  - Westbound: Varies

- **Bike Lane**: Westbound
- **Pedestrian Space**: Westbound

- **Visibility Buffer**
- **Truck Visibility**: Buffer
- **Buffer for Truck Visibility**: 10’
- **Bike Lane**: 8’
- **Variety**: Varies
- **Moving Lane/Layby**: Varies
- **Buffer for Truck Visibility**: 12’
- **Westbound Moving**: 13’
- **North Sidewalk**: 15’
MTA has approved this potential bus alignment.

Busses will be rerouted on Park roadways.

Busses will no longer make the U-turn at base of Atlantic Avenue.
EXISTING
Columbia Street
South of Atlantic Ave
PROPOSED
Columbia Street
Between Atlantic Ave and BQE Entrance
PROPOSED
Columbia Street
South of Atlantic Ave
PROPOSED
Columbia Street
Between Atlantic Ave and BQE Entrance

- **Furman/Atlantic**
  - Provide one left turn lane and one right turn lane

- **Columbia/BQE On-Ramp**
  - Provide one through lane and one left turn lane

- **Columbia/Congress**
  - Provide one through lane and one left turn lane

- 5 new parking spaces
EXISTING
WEST SIDE ILLUSTRATIVE PLAN
Atlantic Avenue / Brooklyn Bridge Improvements