FULTON ST BUS AND PEDESTRIAN IMPROVEMENTS

Brooklyn CB 2 Transportation Committee

June 15, 2017
AGENDA

- Pedestrian Issues / Proposed Treatments
- Transit Issues / Proposed Treatments
BACKGROUND

- Vision Zero Priority Corridor and Area
- Pedestrian fatality at Fulton St & S Portland Ave in 2015
- Identified as future Vision Zero project in January 2016 Town Hall
FULTON STREET CRASHES

Fulton St: Lafayette Ave to Grand Ave
- 5 pedestrians severely injured (2010-2014)
- 71 total pedestrian injuries (2010-2014)

S Portland Ave: pedestrian fatality (December 2015)
Fulton St runs diagonally across grid in Fort Greene / Clinton Hill
PEDESTRIAN ISSUES

Wide angles allow for fast turns.
PEDESTRIAN ISSUES

Fulton St & S Portland Av
PEDESTRIAN ISSUES

Irregular intersections result in longer crossing distances.
PROPOSED TREATMENTS

Install 9 painted curb extensions at 6 intersections
PROPOSAL – S PORTLAND AV

Painted curb extensions to shorten crossings
PROPOSAL – CUMBERLAND ST

Maintain curbside parking
PROPOSAL – CLERMONT AV

Under capital construction
PROPOSAL – WASHINGTON AV

Left-turn traffic calming
PROPOSAL – ST JAMES PL

Left-turn traffic calming

Trucks
PROPOSAL – GRAND AV

Painted curb extension
Transit Issues
BUS ROUTES ON FULTON STREET

10,000 daily riders

9,800 daily riders
EXISTING STREET DESIGN

Curbside Bus Lanes

Fulton Mall
EXISTING STREET DESIGN

Curbside Bus Lanes

Fulton Mall

Study Area
CONGESTION ISSUES
CONGESTION ISSUES
CONGESTION ISSUES
BUS SPEEDS – AM PEAK

Bus Speeds (MPH)*  
7-10 AM Westbound

- Red: 7.2 - 7.9
- Orange: 8.0 - 8.9
- Yellow: 9.0 - 9.9
- Green: 10.0 - 10.5

*In motion (excludes time at bus stops and red lights)
BUS SPEEDS – PM PEAK

Bus Speeds (MPH)*
4-7 PM Eastbound

- Red: 7.1 - 7.9
- Orange: 8.0 - 8.9
- Green: 9.0 - 9.9
- Neon Green: 10.0 - 10.8

*In motion (excludes time at bus stops and red lights)
EXISTING STREET DESIGN

Curbside Bus Lanes

Fulton Mall

Curbside Bus Lane Extension
Average In-Motion Bus Speeds (MPH)

B25/B26 Weekday Bus Speeds by Hour
Westbound

- 9pm-5am: 16.0 MPH avg speed
- 7-10am
BUS SPEEDS BY HOUR

B25/B26 Weekday Bus Speeds by Hour
Eastbound

9pm-5am: 14.8 MPH avg speed

Average In-Motion Bus Speeds (MPH) (excludes dwell time)

Hour

2-7pm
BUS RIDERSHIP BY HOUR

B25/B26 Ridership By Hour
Westbound

7-10am

Total Boardings
Hour
BUS RIDERSHIP BY HOUR

B25/B26 Ridership By Hour
Eastbound

2-7pm
FULTON STREET MERCHANT DELIVERY TIME RANGES
Lafayette Ave to Cumberland St

Legend
- Delivery window indicated by 1 business
- Delivery window indicated by 2 businesses
- Delivery window indicated by 3 businesses or more

Field Notes
For this survey, merchants and commercial buildings along Fulton St were asked to estimate the window of time in which they typically receive deliveries during the week (Monday through Friday).

The data is broken down by block, and organized into the north and south sides of the street.

All data was collected on March 3rd and 6th, 2017.
FULTON STREET MERCHANT DELIVERY TIME RANGES
Vanderbilt Ave to Cambridge Pl

Legend
- Delivery window indicated by 1 business
- Delivery window indicated by 2 businesses
- Delivery window indicated by 3 businesses or more

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All data was collected on March 3rd and 6th, 2017.
FULTON ST MERCHANT DELIVERY TIME RANGES
Cambridge Pl to Classon Ave

Legend
- Delivery window indicated by 1 business
- Delivery window indicated by 2 businesses
- Delivery window indicated by 3 businesses or more

Field Notes
For this survey, merchants and commercial buildings along Fulton St were asked to estimate the window of time in which they typically receive deliveries during the week (Monday through Friday).

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INITIAL BUS LANE HOURS PROPOSAL

North side (WB): 7-10am, 4-7pm M-F

South side (EB): 7-10am, 2-7pm M-F

24/7 (existing)

7a-7p M-F (existing)
PREFERRED BUS LANE HOURS PROPOSAL

- **24/7 (existing)**
- **7a-7p M-F (existing)**
- **North side (WB): 7-10am M-F**
- **South side (EB): 2-7pm M-F**
PREFERRED BUS LANE DESIGN

Existing

South Sidewalk
21’ Combined Travel/Parking Lane
42’

North Sidewalk
21’ Combined Travel/Parking Lane

24/7 (existing)

Proposed

South Sidewalk
11’ Bus Lane / Off-Peak Parking & Loading
10’ Travel Lane
10’ Travel Lane
11’ Bus Lane / Off-Peak Parking & Loading
42’

7a-7p M-F (existing)
THANK YOU!

Questions?