FLATBUSH AVE AND ATLANTIC AVE

Presentation to Community Board 2 Transportation Committee

Wednesday, May 18, 2017
AGENDA

1. Background
2. Proposal for Safety Improvements at Flatbush Ave and Atlantic Ave
3. Final Design for Times Plaza
4. Next Steps
BACKGROUND
• DOT hosted workshop on comprehensive plan on August 3, 2016

• Plan includes quick-response street improvement projects and long-term capital projects
• Workshop feedback on proposal used to further develop plans for the intersection of Flatbush Ave and Atlantic Ave, including Times Plaza
COMPLETED WORK

4TH AVE AT ATLANTIC AVE

• DOT installed rubber pedestrian refuge island in December 2016

• Created safer and shorter two-part pedestrian crossing at a Vision Zero Intersection
FLATBUSH AVE AND ATLANTIC AVE
FLATBUSH AVE AND ATLANTIC AVE

- Major intersection of two two-way arterials
- Multi-modal hub
- New residential and commercial development
- Major entertainment and shopping destination

Bus Routes

Truck Routes

Bike Routes
SAFETY

• Flatbush Ave and Atlantic Ave:
  • VZ Intersection
  • Within a VZ Area
  • Are both VZ Corridors
EXISTING CONDITIONS

Long Pedestrian Crossings

Atlantic Ave at Flatbush Ave Looking North
EXISTING CONDITIONS

Heavy Turning Conflicts Between Pedestrians and Vehicles

Vehicles Turning into Crossing Pedestrians on Flatbush Ave at Atlantic Ave

Heavy Curbside Drop-off Demand

Flatbush Ave at 4th Ave Looking South
EXISTING CONDITIONS

Heavy Right-Turn Demand from 4th Ave to Atlantic Ave

Subway Entrance Generates Large Number of Pedestrians

AM: 245
PM: 230
EXISTING CONDITIONS

Lack of Bicycle Connections

EXISTING SHARED BIKE ROUTE

SIGNED BIKE ROUTE

MISSING BIKE ROUTE
PROPOSAL

- Four concrete pedestrian refuge islands create shorter, two-part crossings
- Concrete neckdown shortens crossing
PROPOSAL

- Allow right-turns from center lane on northbound 4th Ave
- Expand south eastern crosswalk
- Add painted pedestrian space to south eastern corner (pending maintenance partner)
- Pull back curb-line to allow for future bike connections
PROPOSAL

- Removal of travel lanes necessary to accommodate concrete pedestrian refuge islands

- Remove one right-turn lane on Atlantic Ave at Flatbush Ave in both directions reduce turn conflicts between vehicles and pedestrians

- Lane reductions in all directions have minimal impact on overall intersection level of service (LOS) and delays
**Traffic Flow Improvements**

Additional 15 seconds for through traffic on westbound Atlantic Ave, while right-turns are held at the beginning of pedestrian crossing (Split LPI)

- By increasing time for right-turn movement, even with lane reduction, westbound Atlantic Ave level of service (LOS) is improved and delays are reduced
PROJECT BENEFITS

- Safer, shorter pedestrian crossings
- Enhances pedestrian space
- Reduces speeding and calms traffic
- Simplifies turns and reduces turning conflicts
- Improves traffic flow
- Allows space for future bike connections
PROJECT SUMMARY

• Install four (4) concrete pedestrian refuge islands on each leg of the intersection of Flatbush Ave and Atlantic Ave

• Construct concrete neckdown on south east side of Flatbush Ave at 4th Ave

• Remove one right-turn only lane from eastbound Atlantic Ave to southbound Flatbush Ave

• Only allow right-turns from one lane on westbound Atlantic Ave onto northbound Flatbush Ave

• Add split LPI signal phase for westbound Atlantic Ave at Flatbush Ave

• Add drop-off area on north side of Atlantic Ave between Flatbush Ave and Ft. Greene Pl

• Allow right-turns from center lane on northbound 4th Ave at Atlantic Ave

• New painted pedestrian space on south east corner of 4th Ave at Atlantic Ave (pending maintenance partner)

• Expand east crosswalk on Atlantic Ave at 4th Ave

• Pull back curb-line on northbound 4th Ave between Atlantic Ave and Flatbush Ave to allow for future bike connections
TIMES PLAZA
TIMES PLAZA
CONCEPT DESIGN WITH DOT 2017 PEDESTRIAN SAFETY IMPROVEMENTS
COMMUNITY BOARD 2 TRANSPORTATION COMMITTEE/PUBLIC MEETING
MAY 18, 2017
• UNIQUE AND HIGHLY TRAFFICKED LOCATION
• SURROUNDED BY 3 MAJOR ARTERIAL ROADWAYS
• MIX OF PEDESTRIAN, VEHICULAR AND BUS TRAFFIC
• 6 CROSSWALKS
• TRANSITIONAL IN NATURE, NOT A DESTINATION

TIMES PLAZA
May 18, 2017
nyc.gov/dot
NEXT STEPS
NEXT STEPS

• Fall 2017 implementation of DOT Street Improvement Project at Flatbush Ave and Atlantic Ave

• Spring 2018 construction of Times Plaza

• Perform onsite observations to further develop comprehensive plan following implementation

• Analyze transit patterns and identify ways to improve bus operations

• Continue to improve bicycle network connections

• Advance comprehensive plan as development and capital funding is secured
THANK YOU!

Questions?