Bowery-Houston-Bleecker Transportation Study

Future Conditions and Recommendations

Public Meeting #3 Nov 2013
Commissioner Janette Sadik-Khan New York City Department of Transportation
Goals and Objectives

To relieve congestion, enhance safety and improve the quality of life of residents and visitors in the study area

• Develop a set of recommendations to address traffic issues and community concerns

• Coordinate and build upon other DOT initiatives in the area.
Project Organization & Methodology

PHASE 1

- Project Initiation and Scope of Work
- Data Collection
- Community Input
- Existing Conditions Analysis

PHASE 2

- Future Conditions Analysis (Recommendations)
- Draft Final Report
- Develop and Evaluate Improvement Measures
Study Area Boundaries
Subjects of Analysis

• Demographics
• Zoning & Land Use
• Traffic
• Parking
• Safety
• Public Transit
• Pedestrians & Bicycles
• Goods Movement
Existing Land Use and Future Developments

- **Zoning Overlay**
- **2.5M GSF Academic Student Housing**
  - Retail
  - Hotel
  - 250 Vehicle Trips
- **5 Hotels since 2010 (740 rooms)**
- **2 Major Office Developments (280K Sq ft)**

Legend:
- **Study Area Boundary**
- **Land Use**
  - Residential
  - Office/Commercial
  - Mixed Use
  - Warehouse/Factory
  - Transportation/Utility
  - Public Facility/Institution
  - Open/Vacant/Other

Scale:
0 0.1 0.2 Miles

Seward Park
1.6 M GSF
Residential
Retail

500 Vehicle Trips
Future Conditions Travel Speed

- Average Speeds: 11mph (AM), 8mph (MD), 8mph (PM)
- Travel Speeds decreased an average of 1.1 mph
Crashes and Fatalities (2008-2012)

* 11 Fatalities
* 7 High Accident Locations

Legend
- Study Area Boundary
- Accidents & Fatalities (2008-2012)
  - Fatality Location
  - High Accident Location
Traffic Issues

- Vehicle Congestion
- Heavy Ped Volumes
- Low Travel Speed (< 7mph)
- Through Truck Route
- Intersection LOS E (2020)
- Intersection LOS F (2020)
- High Accident Location
- Corridor Wide Issues
Recent DOT Initiatives

Astor Place Reconstruction (2015)
* Improve/Enlarge 3 Existing Public Spaces
* Create 1 New Plaza
* Simplify Complex Intersections
* Streetscape Improvements/Plantings

East Houston St. Reconstruction (2014)
* Dedicated Bike Lanes
* Neck Downs and Median Tip Extensions
* High Visibility Crosswalks
* Enhanced Street Lighting
* Widened Medians with Planters

Delancey St. Improvements (2012)
* Shortened Crossings at 9 of 11 Intersections
* Signal Timing Changes
* Roadway Geometry Changes
**Proposed Improvements**

- **7 Improvement Locations**
  - Roadway Geometry Changes
  - Parking Regulation Changes

- **Locations**
  - A: Remove Parking to add additional lane to EB Bleecker St
  - B: Install Crosswalk on Houston St at Crosby St
  - C: Add left turn lane to EB Bleecker St
  - D: Install left turn lane on SB Broadway
  - E: Redesign median to align lanes and provide channelized left turn lane on Bowery SB at Houston St
  - F: Redesign pedestrian refuge on NB approach
  - G: Remove Parking to add additional lane on NB Clinton St
A. Bleecker St & Broadway - Existing
A. Bleecker St & Broadway - Recommendation

Remove 3 Parking Spaces to provide additional lane
B. Bleecker St & Lafayette - Recommendation

- Move Truck Loading to South Curb
- Stripe Left Turn Lane
C. Houston St and Crosby St - Existing
C. Houston St and Crosby St - Recommendation

- Install Crosswalk and Ped Lamps
D. Broadway and Spring St - Existing

Issue: Heavy pedestrian volumes make left turn onto Spring St. difficult

Vehicles queue on Broadway as left turning vehicles wait for gap
D. Broadway and Spring St - Recommendation

- Stripe Left Turn Only Lane on Broadway
• Remove 3 parking spaces on west curb during weekday 7a-7p
F. The Bowery and Delancey St

- Modify pedestrian refuge
- Add SB lane
G. The Bowery between 4th Street & Houston St.
G. The Bowery Between 4th St and 3rd St

Existing

- Existing 4’ wide raised concrete median

Proposed

- Stripe 6’ wide median west of raised median

Legend:
- Existing pavement markings
- Existing bus stop
- Man hole cover
- Lamp post/ utility pole
- Catch Basin
- Fire Hydrant
- Pedestrian ramp w/ ADA feature
- Traffic direction

Scale: Not to scale

Legend:
- Existing pavement markings
- Existing bus stop
- Man hole cover
- Lamp post/ utility pole
- Catch Basin
- Fire Hydrant
- Pedestrian ramp w/ ADA feature
- Traffic direction

Scale: Not to scale
G. The Bowery Between 2nd St and 1st

**Existing**

- 4' wide concrete median

**Proposed**

- Stripe 6' wide median west of raised median
- 2 Lanes w/ median channelizing the upcoming left turn lane
G. The Bowery Between 1st St and Houston St

**Existing**

- Existing 3' wide raised concrete median

**Proposed**

- Extend Median Striping 5' west of existing median
- Stripe median 7' East of existing median
Next Steps

- Incorporate comments into Draft Report
- Community Board Input
- Prepare Implementation Plan
- Monitor Results
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