Safety Improvements near Lenox Ave and 145th St

New York City Department of Transportation
Presented by the Pedestrian Projects Group on March 10, 2015
to Manhattan Community Board 10 Transportation Committee
Lenox Ave between W 144 St and W 147 St
Existing Issues
Lenox Ave, W 145 St – W 147 St

- High crash corridor, with 61 injuries between W 144 St and W 147 St (2009 – 2013, NYPD Crash Data)
  - 15 pedestrian injuries
  - W 145 St - 51 injuries, 3 severe
    - 5% of Manhattan intersections had more KSI (Killed or Severely Injured), and 2% had more injuries

- Significant traffic volume to and from the 145 St Bridge
- Double northbound left turns at W 145 St
- High pedestrian volumes
  - Subway entrance/exit (3 train)
  - Midblock crossing
- Bus traffic
  - Renovated Bus Depot
  - Idling in median
- Underutilized road space north of W 145 St
Existing Conditions

Lenox Ave
W 144 St to W 147 St
Proposed Plan

Lenox Ave
W 144 St to W 147 St
Improve Pedestrian Safety
W 145 St – W 147 St

- Add high-visibility crosswalks and ped ramps
- Green corridor with new street trees
- New concrete median and safety island to protect pedestrians and shorten crossing distances

MTA Mother Clara Hale Bus Depot
Esplanade Gardens
Seventh Avenue Center for Family Services
Parking and Bus Circulation
W 145 St to W 147 St

<table>
<thead>
<tr>
<th>Parking Spaces Before</th>
<th>32</th>
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<tbody>
<tr>
<td>Parking Spaces After</td>
<td>37</td>
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Convert 90° parking to 60° parking

Convert 90° parking to parallel parking

Provide parallel parking spaces along the new median

Move buses on layover from median to extended bus stop

Esplanade Gardens

ESPLANADE GARDENS PLAZA

W 145 ST

W 146 ST

W 147 ST
Existing Conditions
Lenox Ave, W 145 St – W 147 St
Rendering
Lenox Ave, W 145 St – W 147 St
Improve Pedestrian Safety
W 144 St – W 145 St

- Extend median tips through intersection and widen existing median to protect and provide refuge for crossing pedestrians.
- Upgrade to high-visibility crosswalks.
- Green corridor with new street trees.
Lane Configuration and Curb Regulations
W 143 St to W 145 St

Provide exclusive left turn lane, thru lane, and right turn lane to clarify traffic and reduce conflicts.

Eliminate rush hour curb regulation and restore parking between 4 and 7pm.

Remove 2 spaces at “top of the T” intersection to improve visibility for drivers and pedestrians.

Parking spaces converted to full time parking: 16
Parking Spaces Removed: 2
Adam Clayton Powell Jr Blvd and W 145 St
**Existing Issues**

Adam Clayton Powell Jr Blvd and W 145 St

- Adam Clayton Powell Jr Blvd and W 145 St is a Vision Zero Priority Intersection
  - Summer 2012 – Painted median extensions installed
  - Summer 2013 – Concrete median extension installed
  - Between 2009 and 2013, according to NYPD Crash Data:
    - 74 total injuries (13 pedestrians)
    - 4 pedestrian KSI (killed or severely injured)
    - 3 pedestrian fatalities (0 since 2012)

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<tr>
<td>Injuries</td>
<td>35</td>
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<tr>
<td>Pedestrian Injuries</td>
<td>17</td>
<td>6</td>
<td>23</td>
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<td>Pedestrian Fatalities</td>
<td>3</td>
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Existing Issues: Safety

Crash Data 2009-2013 (NYPD data)

Fatality (June 2012)
Severe Injury (February 2009)
Fatality (June 2011)
Fatality (May 2012)

W 145 St

Adam Clayton Powell Jr. Blvd

Note: 27 Additional crashes cannot be mapped to a specific location

W 145 St at Adam Clayton Powell Jr. Blvd
Crash Mapping 2009 - 2013
- Blue: Pedestrian Crash
- Brown: Bicycle Crash
- Red: Motor Vehicle Crash
Existing Issues
Adam Clayton Powell Jr Blvd and W 145 St

- Northbound and southbound left turns are difficult at W 145 St and Adam Clayton Powell Jr Blvd
  - High turning volumes at intersection
Existing Conditions
Adam Clayton Powell Jr Blvd and W 145 St
Proposed Plan
Adam Clayton Powell Jr Blvd and W 145 St

Ban southbound left turns to reduce turning conflicts

Expand concrete island to provide additional refuge for pedestrians and shorten crossing distances

Encourage vehicles to make U-turn for bridge access
Proposed Plan: Network Changes
W 145 St
Lenox Ave to Adam Clayton Powell Jr Blvd
Existing Conditions:
W 145 St, Lenox Ave to Adam Clayton Powell Jr Blvd
Proposed Plan:
W 145 St, Lenox Ave to Adam Clayton Powell Jr Blvd

Stripe parking lanes to channelize and calm traffic

Provide left turn lane to separate turning from thru traffic to reduce congestion

New painted yellow median to channelize and calm traffic
Proposal Summary

1. Construct concrete median and islands on Lenox Ave between W 144 St and W 147 St

2. Add 5 additional parking spaces between W 145 St and W 147 St along Lenox Ave

3. Remove rush hour curb regulation on east side of Lenox Ave between W 143 St and W 145 St, restoring 16 parking spaces between 4pm and 7pm

4. Ban southbound left turn and expand north side concrete island at Adam Clayton Powell Jr Blvd and W 145 St

5. Stripe parking lanes, painted median, and left turn bay along W 145 St

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<th>Change in Parking Supply</th>
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<tr>
<td>Lenox Ave 145 St – 147 St</td>
<td>+ 5 spaces</td>
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<tr>
<td>Lenox Ave 143 St – 145 St</td>
<td>- 2 spaces</td>
</tr>
<tr>
<td>Total</td>
<td>+ 3 spaces</td>
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Thank You