West End Ave Corridor Safety

- 2 recent pedestrian fatalities on West End Ave
- In Manhattan Valley Senior Focus Area
- Near PS75 Priority School
- 95th & 97th Streets and West End Ave handle traffic entering and leaving Henry Hudson Parkway
Recent Safety Enhancements

Modified signal timing

- W 95th St: Installed 8-second leading pedestrian interval across West End Ave 7/22/14
- W 96th St: Installed 9-second leading pedestrian interval across West End Ave 5/5/08
- W 97th St: Added 7s to leading pedestrian interval across West End Ave (5s to 12s) 1/29/14

Turns banned near PS75 Emily Dickinson

- W 95th St: 7-9AM No westbound left turn Installed 7/15/14
- W 96th St: 7-9AM No westbound left turn Installed 12/20/12
Typical Cross Section

West End Ave from W 72\textsuperscript{nd} St to W 106\textsuperscript{th} St
Project Proposal

West End Ave from W 72\textsuperscript{nd} St to W 106\textsuperscript{th} St

**EXISTING**

- 10’ Parking Lane
- 10’ Moving Lane
- 10’ Moving Lane
- 60’
- 10’ Moving Lane
- 10’ Parking Lane

**PROPOSED**

- 13’ Wide Parking/Loading Lane
- 11’ Moving Lane
- 12’ Turn Bays/Flush Median
- 11’ Moving Lane
- 13’ Wide Parking/Loading Lane

Sidewalk
Project Proposal

- Ban two left turns off West End Ave
  - Northbound left at W 97th St
  - Southbound left at W 95th St

- Construct four islands
  - North & south crosswalks at W 95th, W 97th Sts

- “4 to 3 Conversion”
  - Remove one lane in each direction
  - Mark wide parking lane stripe and flush center median with left turn bays (lengthen northbound left turn bay at W 96th St)

- Add curbside southbound right turn lane at W 96th St and remove parking from west curb of West End Ave between W 97th and W 96th St

Left Turn Volumes (1 hr)

<table>
<thead>
<tr>
<th></th>
<th>AM Peak</th>
<th>PM Peak</th>
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<tbody>
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<td>W 97th St NB</td>
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Issue: Interrupted Through Movements

- Frequent lane changing
- No “good” through travel lane

Existing Condition

- Double-parked vehicle
- Autos moving thru
- Left-turning vehicle waiting for gap
- Right lane vehicles change lanes twice
Traffic Movement in Proposed Design

- Normal activity doesn’t force lane changes
- One “good” through travel lane
- More orderly and predictable movements
Issue: Challenging Left Turns

Existing Condition

1) Vehicles Approaching from Behind

2) Identifying Gap in Left Lane

3) ID’ing Gap in Right Lane (VISIBILITY HINDERED)

4) ID’ing Pedestrians in Crosswalk

Left Turning Motorist Have 4 Concerns
Proposed Condition

Driver only needs ONE gap to turn; can then look at crosswalk

Only 2 Points of Focus and No Visibility Problem

Vehicles from behind in different lane
West End Ave W 95th St – W 97th St

- Handles regional HHP traffic
- Heavy turning volume onto WEA from W 95th & W 97th Streets
- Left turn bays at W 95th and W 97th Sts are underutilized
W 95th, W 97th Sts: Wide turns

- Zigzag left turns from/to highway

- Underutilized left turn bays encourage fast wide turns on to West End Ave
Project Proposal: W 95\textsuperscript{th}, W 97\textsuperscript{th} Sts

West End Ave at W 95\textsuperscript{th} and W 97\textsuperscript{th} Sts
- Ban northbound left at W 97\textsuperscript{th} St, Ban southbound left at W 95\textsuperscript{th} St

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Benefits of Proposal: W 95th, W 97th Sts

- Slower turns on to West End Ave
- Discourages double left turns

Left turns from cross streets can be fast and dangerous

Center islands create slower turns
Existing: W 97th St
Proposed: W 97\textsuperscript{th} St

- Install Pedestrian Islands
- Remove Parking W/S W 97\textsuperscript{th} – 96\textsuperscript{th} Sts
Existing: W 95th St
Proposed: W 95th St

Install Pedestrian Islands
W 95th St (Riverside to West End)

- Existing: No Parking 8am-6pm M-F on south curb; Speed hump mid-block
- Proposed: Restore parking on south curb
- Preliminarily feasibility study completed for second speed hump
Benefits of Proposal

• Proposed safety improvements in fatality locations
• Safer, shorter crossings
• Reduces speeding and calms traffic
• Simpler, safer left turns
• Wide curb lane organizes street, reduces unnecessary lane changes

Existing Conditions: West End Ave at W 98th St

Example of Proposed Configuration: W 6th St, Brooklyn

Crashes with Injuries -31%
Ped Islands: Beautification Options

- West End Ave sewers may be too close to install trees on islands
- Planters are possible if a maintenance partner can be found
- Urban Art installation is another possibility
Timeline, Next Steps

Next Steps

• Collect community feedback
• Finalize paving schedule
• Establish project implementation schedule