E 98TH ST: E NEW YORK AVE TO HEGEMAN AVE

School Safety Improvements

Presentation for CB 16 April 12, 2018
PROJECT BACKGROUND
VISION ZERO PRIORITY

Brooklyn Priority Geographies

Vision Zero
• Multi-agency effort to reduce traffic fatalities in NYC
• Borough Action Plans released in 2015
• Priority Intersections, Corridors, and Areas identified for each borough

E. 98 St.
• Located in a Priority Area
• Intersects with 3 Priority Corridors (Ralph Ave, Livonia Ave, Church Ave)
CRASH DATA

E 98 St: E New York Ave to Hegeman Ave (2012-2016)

<table>
<thead>
<tr>
<th>Injury Summary, 2012-2016 (5 Years)</th>
<th>Total Injuries</th>
<th>Severe Injuries</th>
<th>Fatalities</th>
<th>KSI</th>
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</thead>
<tbody>
<tr>
<td>Pedestrian</td>
<td>53</td>
<td>5</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>Bicyclist</td>
<td>9</td>
<td>3</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Motor Vehicle Occupant</td>
<td>100</td>
<td>3</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>162</td>
<td>11</td>
<td>0</td>
<td>11</td>
</tr>
</tbody>
</table>

Fatalities, 01/01/2012-2/5/2018: None

Source: Fatalities: NYCDOT Injuries: NYS DOT KSI: Persons Killed or Severely Injured

Total Injuries 2012-2016
Severe Injuries & Fatalities 2012-2016
Fatalities 2012-2018
PROJECT LOCATION

E 98 St: E New York Ave to Hegeman Ave

- Elevated 3 train from E New York Ave to Livonia Ave, stopping at Sutter Ave / Rutland Rd
- Poor visibility due to elevated train support columns
- B15 runs along E 98 St from Ralph Ave to Hegeman Ave
- Senior Safety Area
- High speeds: 43% of vehicles above the limit
- East 98th St is located in a Vision Zero Priority Area
PROXIMITY TO SCHOOLS

E 98 St: E New York Ave to Hegeman Ave

- Project area used by students accessing Brownsville Academy HS, Waverly School of Arts, Ascend Charter Schools, PS 165, Brooklyn Scholars Charter School, Riverdale Ave Community School, PS 189, and East Brooklyn Community HS, and PS 183
EXISTING CONDITIONS & PROPOSALS
EXISTING CONDITIONS: E 98 ST AND UNION ST

E 98 St and Union St, facing northeast

No pedestrian crossing

Illegally parked vehicles
PROPOSED LARGE PAINTED CURB EXTENSION AND CROSSWALK: E 98 ST AND UNION ST

Painted curb extension normalizes skewed intersection and shortens crosswalk

Example:
North Flatbush Ave, Brooklyn
EXISTING CONDITIONS:
E 98 ST AND TAPSCOTT ST

Long crosswalk (120°)
PROPOSED PAINTED CURB EXTENSION:
E 98 ST AND TAPSCOTT ST

Painted curb extension normalizes skewed intersection and shortens crosswalk

Example:
3rd Ave at 86th St (MN)
PROPOSED TURN BAN FOR ALL VEHICLES: E 98 ST AND TAPSCOTT ST

BANNED TURN FOR ALL VEHICLES

DIVERSION ROUTE
LEFT TURN PEDESTRIAN INJURIES:
E 98 ST AND KINGS HIGHWAY
PROPOSED HARDENED CENTERLINE:
E 98 ST AND KINGS HIGHWAY

- Slows Turning Speeds
- Narrows Pedestrian Conflict Zone

Kings Hwy

Pedestrian Conflict Zone
Hardened Centerline
EXISTING CONDITIONS:
E 98 ST AND KINGS HIGHWAY

Closed for vehicular traffic (parked cars)
PROPOSED PAINTED SLIP CLOSURE: E 98 ST AND KINGS HIGHWAY

Painted slip closure increases pedestrian safety

Example: 6th Avenue and Washington Square Manhattan
PRIOR CONDITIONS:
E 98 ST AND LIVONIA AVE + HOWARD AVE
PRIOR CONDITIONS:
E 98 ST AND LIVONIA AVE + HOWARD AVE

No marked crossing for pedestrians

E 98 St and Howard Ave, facing northwest
NEW SIGNALIZED CROSSWALK: 
E 98 ST AND LIVONIA AVE + HOWARD AVE

Example: 
E 98 St and Ralph Ave
EXISTING CONDITIONS:
E 98 ST AND GRAFTON ST + RIVERDALE AVE

Missing crosswalk
PROPOSED PAINTED CURB EXTENSION AND CROSSWALKS:
E 98 ST AND GRAFTON ST + RIVERDALE AVE

Painted curb extension elongates block tip, allows for easier pedestrian crossing

Example: Broadway at Isham St and W 211th St
PROPOSED TURN BAN FOR LARGE TRUCKS & BUSES:
E 98 ST AND GRAFTON ST + RIVERDALE AVE

BANNED TURN FOR TRUCKS AND BUSES

DIVERSION ROUTE
PROPOSED DIVERSION FOR LARGE TRUCKS & BUSES:
E 98 ST AND GRAFTON ST + RIVERDALE AVE
PROPOSED DAYLIGHTING:
E 98 ST AND LEGION ST

Remove parking spot and install No Standing Anytime regulation to improve visibility for turning vehicles

Add new crosswalk along east side of East 98th St
EXISTING CONDITIONS:
E 98 ST AND SARATOGA AVE

Long crosswalk (130’)
Illegally parked vehicles
PROPOSED PAINTED CURB EXTENSION:
E 98 ST AND SARATOGA AVE

Example:
Meeker Ave, Brooklyn
EXISTING CONDITIONS:
E 98 ST AND STRAUSS ST

Skewed intersection with long crosswalk and poor visibility

100 ft. long crosswalk
PROPOSED PAINTED CURB EXTENSION:
E 98 ST AND STRAUSS ST

Painted curb extension normalizes skewed intersection and shortens crosswalk from 100 ft to 35 ft

Example: Longwood Ave, Bronx
SUMMARY OF PROPOSALS

E 98 St: E New York Ave to Hegeman Ave

1. Union St: Large Painted Curb Extension and New Crosswalk
2. Tapscott St: Painted Curb Extension
3. Kings Hwy: Slip Closure and Hardened Centerline in South Leg
4. Livonia Ave: New Signalized Crosswalk (already installed)
5. Grafton St + Riverdale Ave: Painted Curb Extension and New Crosswalks
6. Legion St: Daylighting and New Crosswalk
7. Saratoga Ave: Painted Curb Extension
8. Strauss St: Large Painted Curb Extension
THANK YOU!