Safe Streets for Seniors
Borough Park
June 22, 2010
Community Board 12

Janette Sadik-Khan, Commissioner
Pedestrian Fatality History

- Since 1990 pedestrian fatalities in NYC have decreased by 58% from 366 to 155.

- Prior to 1950, pedestrians accounted for \( \frac{3}{4} \) of traffic fatalities. Now the percentage has decreased to \( \frac{1}{2} \).
12% of the population in New York City are seniors

39% of pedestrian fatalities are seniors

<table>
<thead>
<tr>
<th>Group</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>Children (0-14)</td>
<td>20%</td>
</tr>
<tr>
<td>Seniors (65+)</td>
<td>39%</td>
</tr>
<tr>
<td>Young Adults (15-24)</td>
<td>12%</td>
</tr>
<tr>
<td>Adults (25-65)</td>
<td>46%</td>
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Senior Citizen Population Trend

Projected United States Population by Age

<table>
<thead>
<tr>
<th>Year</th>
<th>65 years and over</th>
<th>18 to 64 years</th>
<th>Under 18 years</th>
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<tbody>
<tr>
<td>2010</td>
<td>13%</td>
<td>63%</td>
<td>24%</td>
</tr>
<tr>
<td>2020</td>
<td>16%</td>
<td>60%</td>
<td>24%</td>
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<tr>
<td>2030</td>
<td>19%</td>
<td>57%</td>
<td>24%</td>
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</tbody>
</table>

Source: Population Division, U.S. Census Bureau
NYCDOT Response

- Developed DOT’s senior pedestrian safety program
- Designated “Senior Pedestrian Focus Areas” based on statistical analysis and mapping
- Initiated pilot projects in each borough
- Created aggressive timeline for remaining focus areas
New York City's Safe Streets for Seniors

2008 Pilot Areas

Phase 2 Areas
Brooklyn

Senior Pedestrian Crashes:
Brooklyn 2001-2006

- Fatalities
- Severe Injuries

Kernel Density: Fatalities and Severe Injuries

- Neighborhoods

Sunset Park
Borough Park
Ridge
Project Process

- Area-wide safety audits
- Senior surveys
- Data collection and analysis
- Proposed improvement measures
- Community feedback
- Final recommendations
- Implementation
- Education outreach
Senior Pedestrian Issues

- Not enough time to cross the street
- Broken or missing pedestrian ramps
- Faded and hard-to-see markings
- Turning vehicles failing to yield
- Poor drainage or ponding in crosswalks
Summary of Improvements

- Time signals for slower walking speed
  - More crossing time at 115 of 186 signals in area

- Install high visibility crosswalks and advanced stop bars
  - 18 Locations

- Install Leading Pedestrian Intervals (LPIs)
  - Under study at 2 locations

- Refurbish markings

- Repair broken curbs and pedestrian ramps
Pedestrian Refuge Island

Curb Extensions
Site Specific Improvements: In-House

■ Install Pedestrian Islands at 3 locations
  - N crosswalk of Fort Hamilton Parkway and 46th St
    - Ban southbound left turn at 46th St (Alt Routes: New Utrecht Ave, 48th St)
  - S crosswalk of Fort Hamilton Parkway and 46th St
  - N crosswalk of Fort Hamilton Parkway and 47th St

■ Install full block median at 1 location
  - Fort Hamilton Parkway from New Utrecht Ave to 45th St
    - Ban northbound left turn to New Utrecht Ave (Alt Route: 43 St)

■ Install island extensions at 2 locations
  - S crosswalk (west side) of 14th Ave and 60th St
  - S crosswalk (east side) of New Utrecht Ave and 45th St
Site Specific Improvements: Capital

- Curb extensions proposed at 22 locations
  - SW and SE corners of 8th Ave and 57th St
  - NW and SE corners of 8th Ave and 58th St
  - SW and NW corners of 8th Ave and 59th St
  - SE and NE corners of 8th Ave and 60th St
  - SW and NW corners of 8th Ave and 61st St
  - SE, SW, and NW corners of New Utrecht Ave and 50th St
  - SW and NE corners of 12th Ave and 50th St
  - SE corner of 13th Ave and 43rd St
  - NE corner of 13th Ave and 50th St
  - NE corner of 13th Ave and 51st St
  - NE corner of 13th Ave and 60th St
  - SE corner of Fort Hamilton Parkway and 40th St
  - NW and SE corners of Fort Hamilton Parkway and 50th St
Site Specific Improvements: Capital

- Curb extensions proposed at 24 locations
  - NE and NW corners of 5th Ave and 40th St
  - SE and SW corners of 5th Ave and 41st St
  - NW corner of 5th Ave and 42nd St
  - SW corner of 5th Ave and 43rd St
  - NW and NE corners of 5th Ave and 44th St
  - SW and SW corners of 5th Ave and 45th St
  - NE and NW corners of 5th Ave and 46th St
  - SE and SW corners of 5th Ave and 47th St
  - NE and NW corners of 5th Ave and 48th St
  - SE and SW corners of 5th Ave and 49th St
  - NE and NW corners of 5th Ave and 50th St
  - SE and SW corners of 5th Ave and 51st St
  - NE and NW corners of 5th Ave and 52nd St
Timeline

- Early Action Items
  - Signal timing (June 2009)
- In-House Concrete work
  - Summer 2010
- Capital Concrete Work
  - 2011-2012
Comments and Questions

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