Safe Streets for Seniors
Upper West Side

April 13, 2010
Community Board 7
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 \(\frac{1}{2}\).
Senior Pedestrians

- 12% of the population in New York City are seniors
- 39% of pedestrian fatalities are seniors

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

Projected United States Population by Age

Year

2010
24%
931K
13%
63%

2020
24%
1.05M
16%
60%

2030
24%
1.35M
19%
57%

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
Senior Pedestrian Crashes:
Kernel Density Analysis
Manhattan 2001-2006
Severe Injuries

- 1
- 2
- 3
- 4
△ Fatalities
 Neighborhood

Kernel density: fatal and severe crashes per sq. mi.

This Kernel Density map displays the density of crashes per square mile within a 1000' search radius of each point. Darker areas experienced more crashes within this radius.

Manhattan
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 41 of 89 signals in area
- Install high visibility crosswalks and advanced stop bars
  - 18 Locations
- Install Leading Pedestrian Intervals (LPIs)
  - Under study at 15 locations
- Refurbish markings
- Repair broken curbs and pedestrian ramps
Site Specific Improvements: In-House

- Install single neckdowns at 6 locations
  - NW Corner: W 72\textsuperscript{nd} Street & Central Park West
  - SW Corner: W 66\textsuperscript{th} Street & Amsterdam
  - NW Corner: W 79\textsuperscript{th} Street & Amsterdam
  - SE Corner: W 81\textsuperscript{st} Street & Columbus
  - NW Corner: W 71\textsuperscript{st} Street & Broadway
  - NW Corner: W 79\textsuperscript{th} Street & Broadway

- Install Pedestrian Islands at 2 locations
  - S Crosswalk: West End Avenue & W 61\textsuperscript{st} Street
  - N Crosswalk: West End Avenue & W 66\textsuperscript{th} Street
Pedestrian Refuge Island

Neckdowns
Site Specific Improvements: Capital

- Curb extensions proposed at 13 locations
  - SW Corner: W 62\textsuperscript{nd} Street & Central Park West
  - SE Corner: W 65\textsuperscript{th} Street & Central Park West
  - SE Corner: W 72\textsuperscript{nd} Street & Central Park West
  - E leg midblock: W 79\textsuperscript{th} Street & Central Park West
  - W leg midblock: W 79\textsuperscript{th} Street & Central Park West
  - SE Corner: W 81\textsuperscript{st} Street & Central Park West
  - NW Corner: W 81\textsuperscript{st} Street & Central Park West
  - NE Corner: W 79\textsuperscript{th} Street & Amsterdam
  - SE Corner: W 79\textsuperscript{th} Street & Amsterdam
  - SE Corner: W 65\textsuperscript{th} Street & Broadway
  - NE Corner: W 65\textsuperscript{th} Street & Broadway
  - NW Corner: W 71\textsuperscript{st} Street & Broadway
  - SE Corner: W 79\textsuperscript{th} Street & Broadway
Timeline

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

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