

# Safe Streets for Seniors

## Borough Park

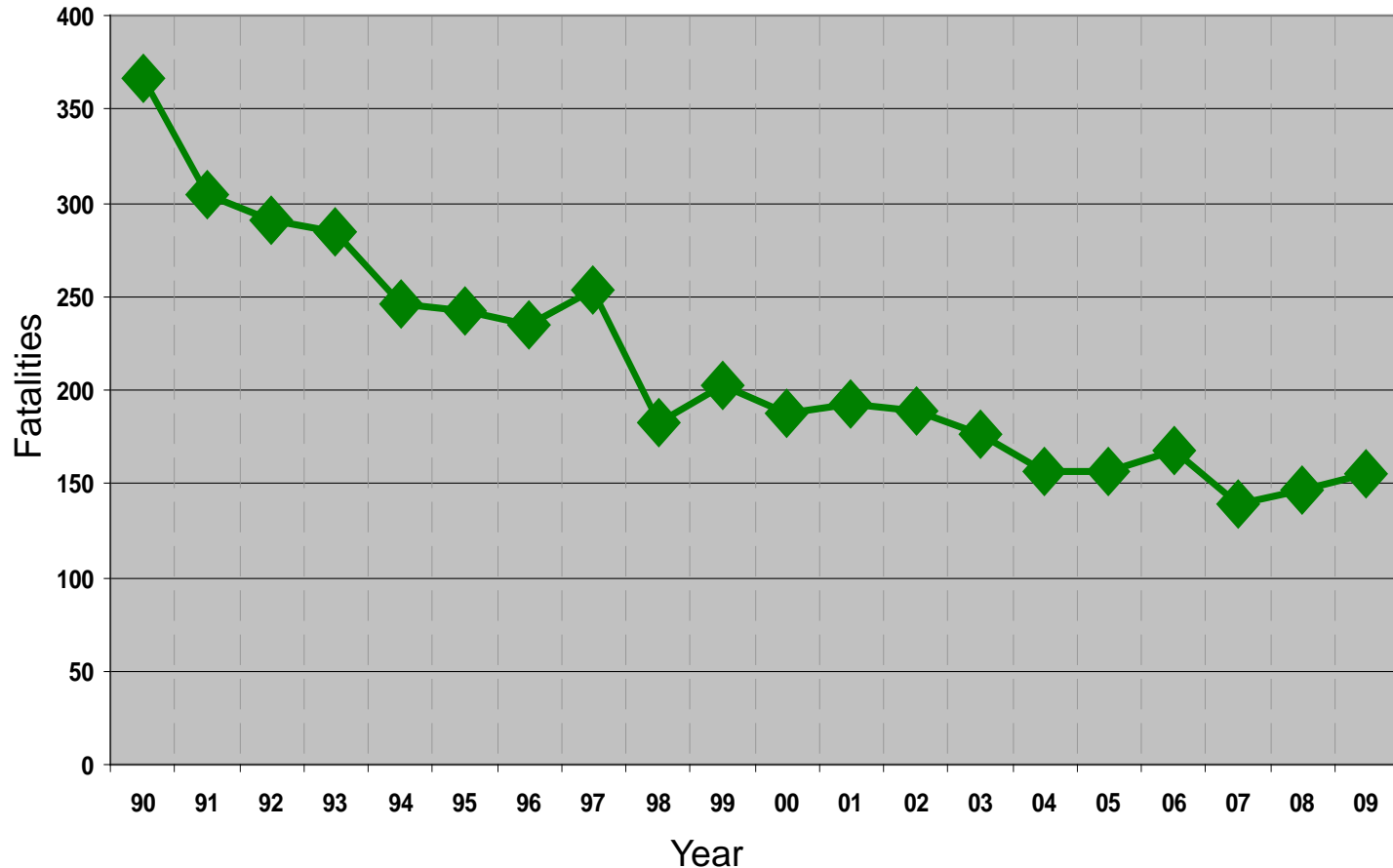
June 22, 2010  
Community Board 12



# Pedestrian Fatality History

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

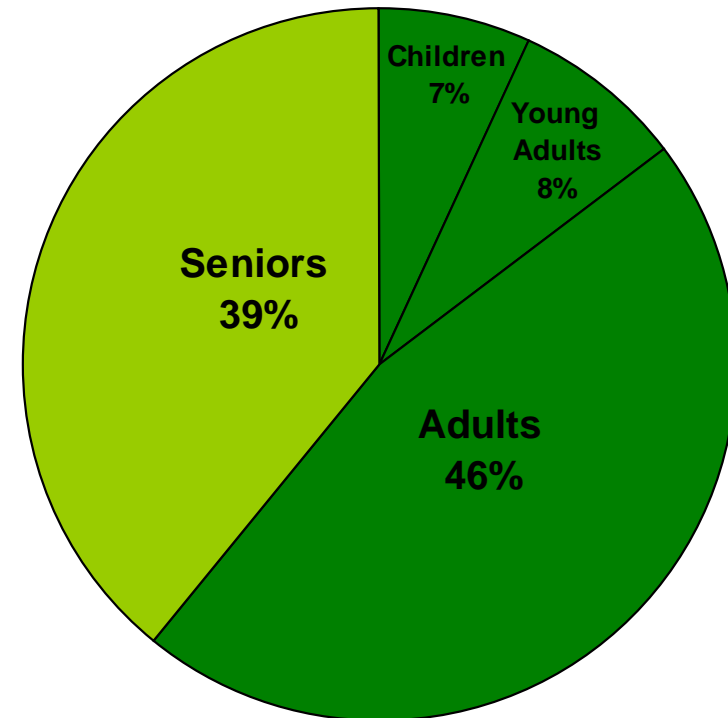
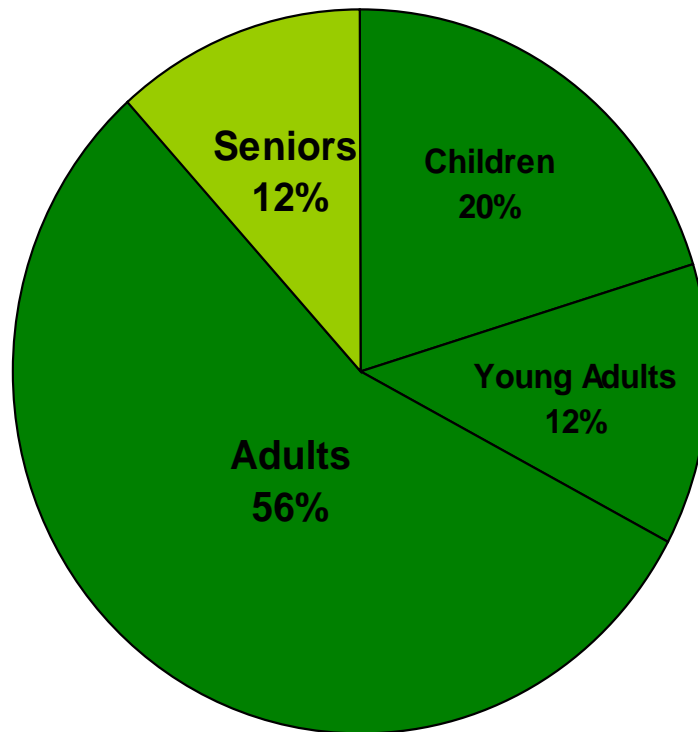
- Prior to 1950, pedestrians accounted for  $\frac{3}{4}$  of traffic fatalities. Now the percentage has decreased to  $\frac{1}{2}$ .



# Senior Pedestrians

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

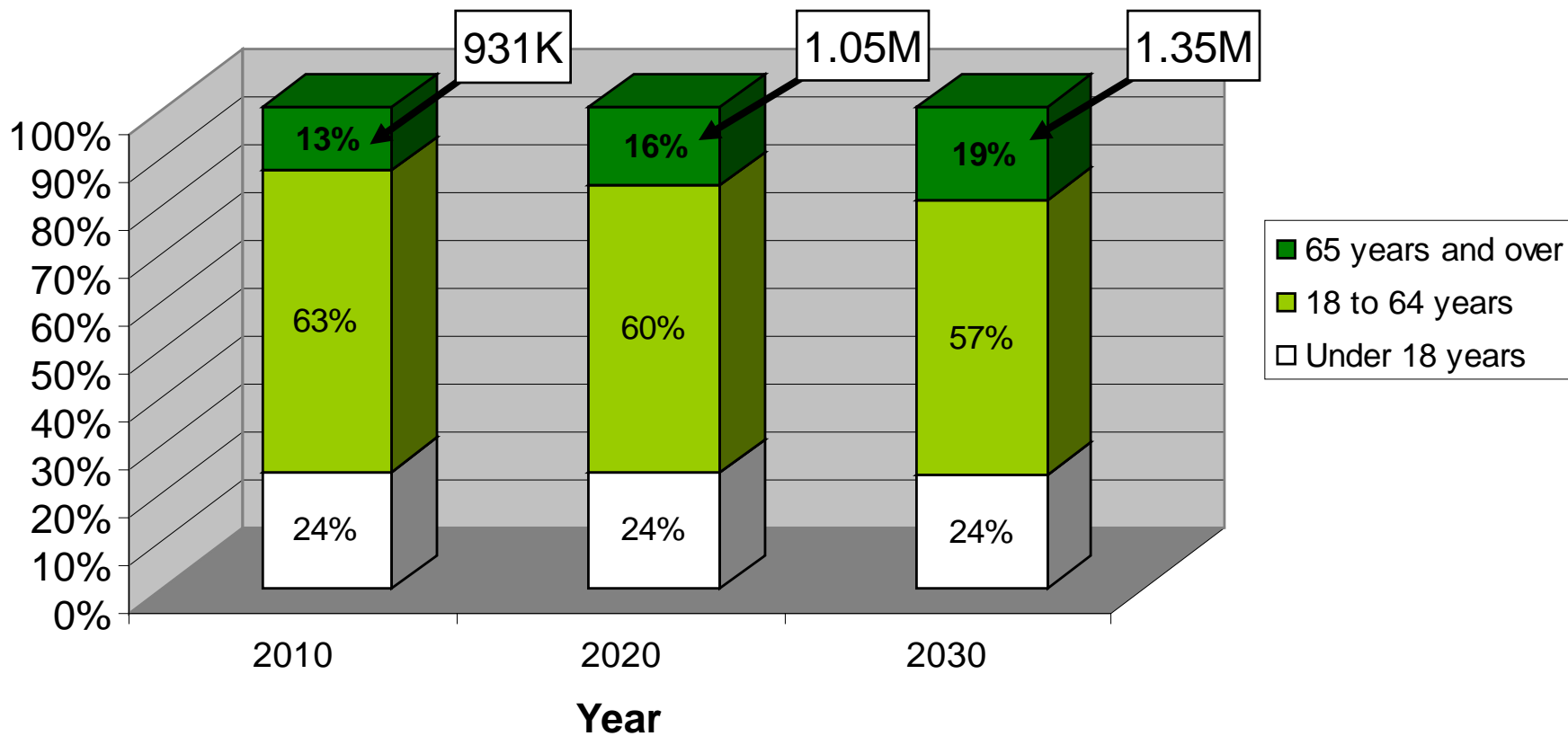
- 39% of pedestrian fatalities are seniors



Children (0-14)	Seniors (65+)
Young Adults (15-24)	Adults (25-65)

# Senior Citizen Population Trend

## Projected United States Population by Age






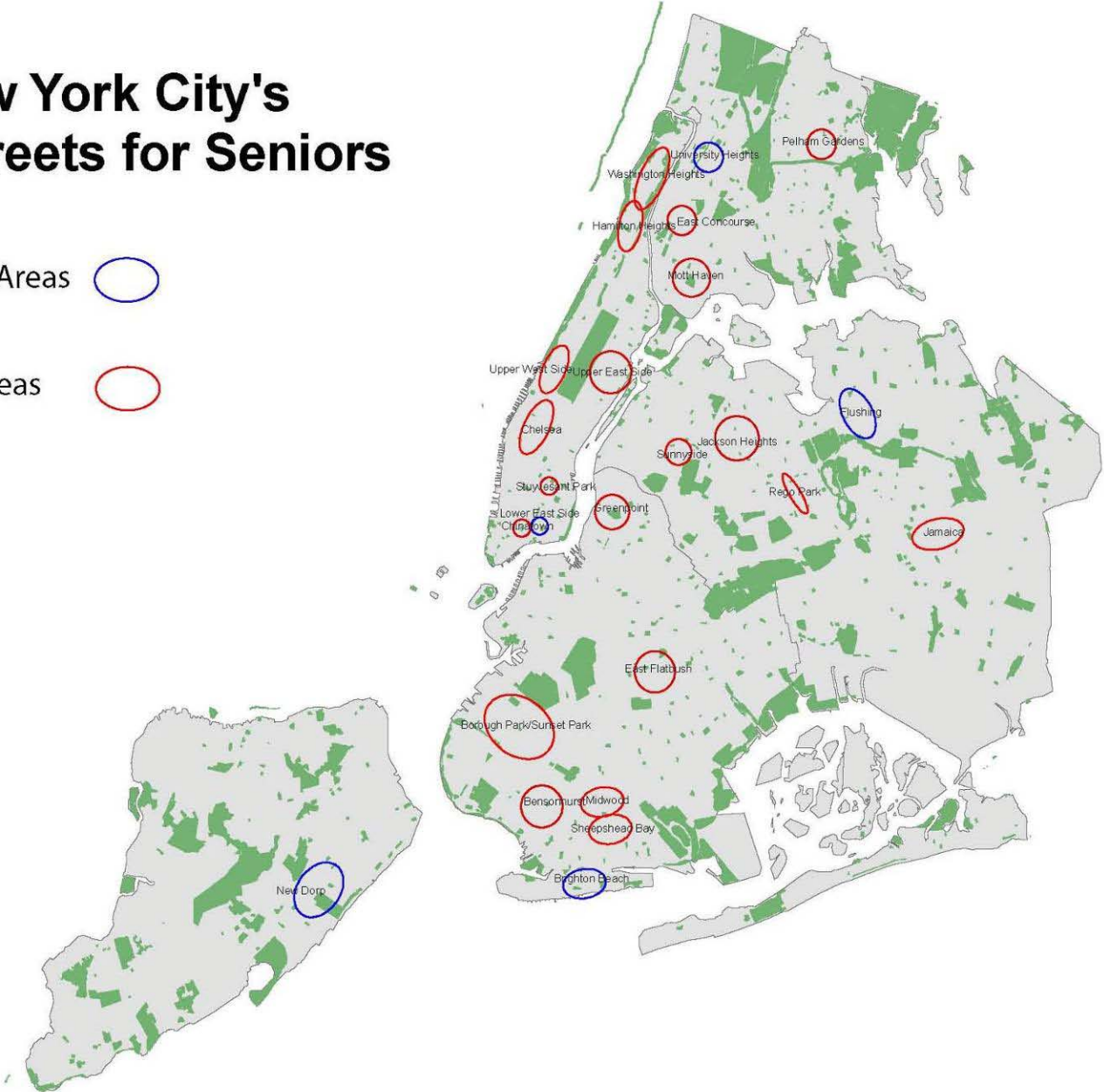
# NYCDOT Response

- 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

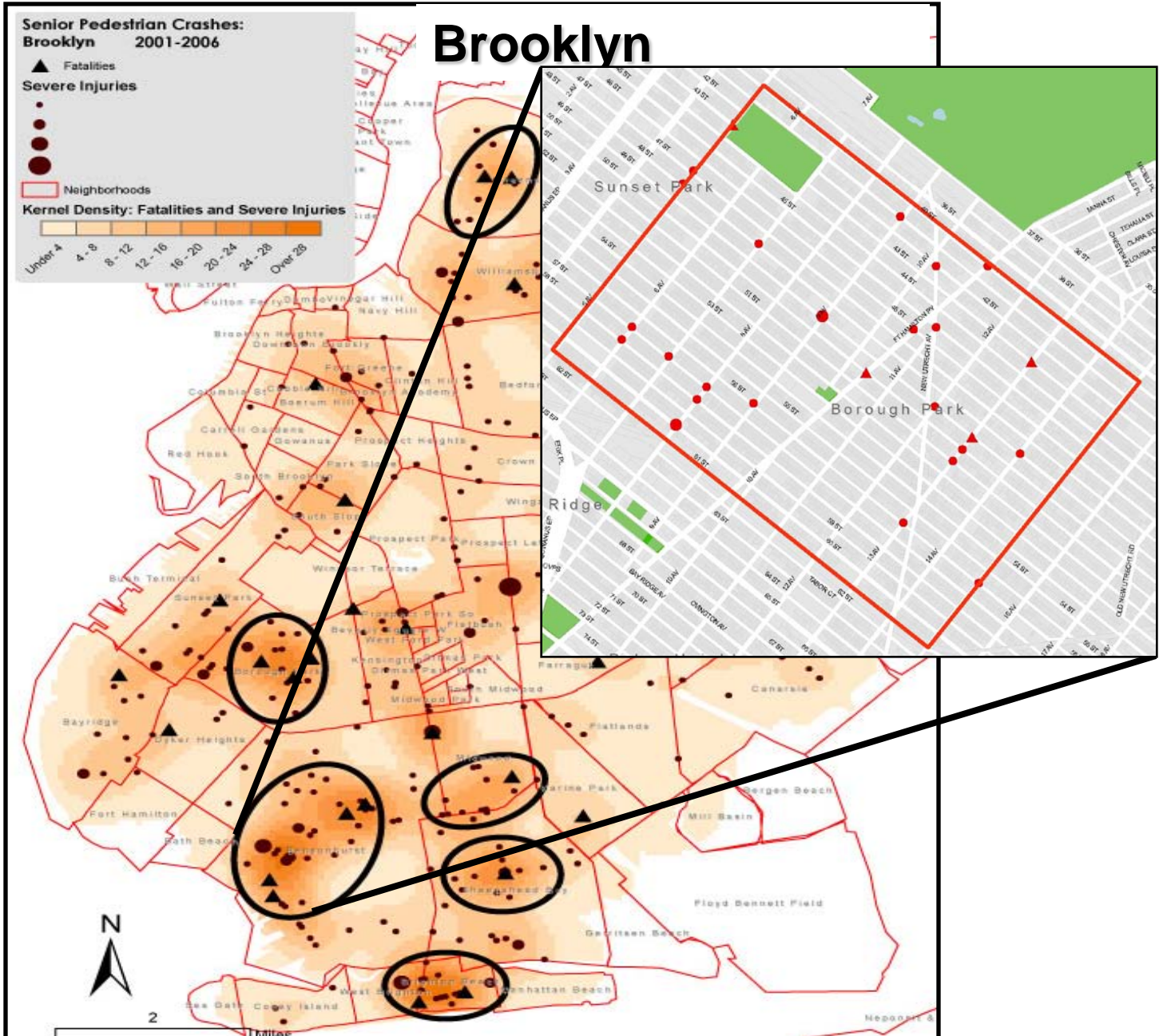
# New York City's Safe Streets for Seniors

2008 Pilot Areas 

Phase 2 Areas 



# Brooklyn









# 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 46<sup>th</sup> St
  - Ban southbound left turn at 46<sup>th</sup> St (Alt Routes: New Utrecht Ave, 48<sup>th</sup> St)
- S crosswalk of Fort Hamilton Parkway and 46<sup>th</sup> St
- N crosswalk of Fort Hamilton Parkway and 47<sup>th</sup> St

## ■ Install full block median at 1 location

- Fort Hamilton Parkway from New Utrecht Ave to 45<sup>th</sup> St
  - Ban northbound left turn to New Utrecht Ave (Alt Route: 43 St)

## ■ Install island extensions at 2 locations

- S crosswalk (west side) of 14<sup>th</sup> Ave and 60<sup>th</sup> St
- S crosswalk (east side) of New Utrecht Ave and 45<sup>th</sup> St

# Site Specific Improvements: Capital

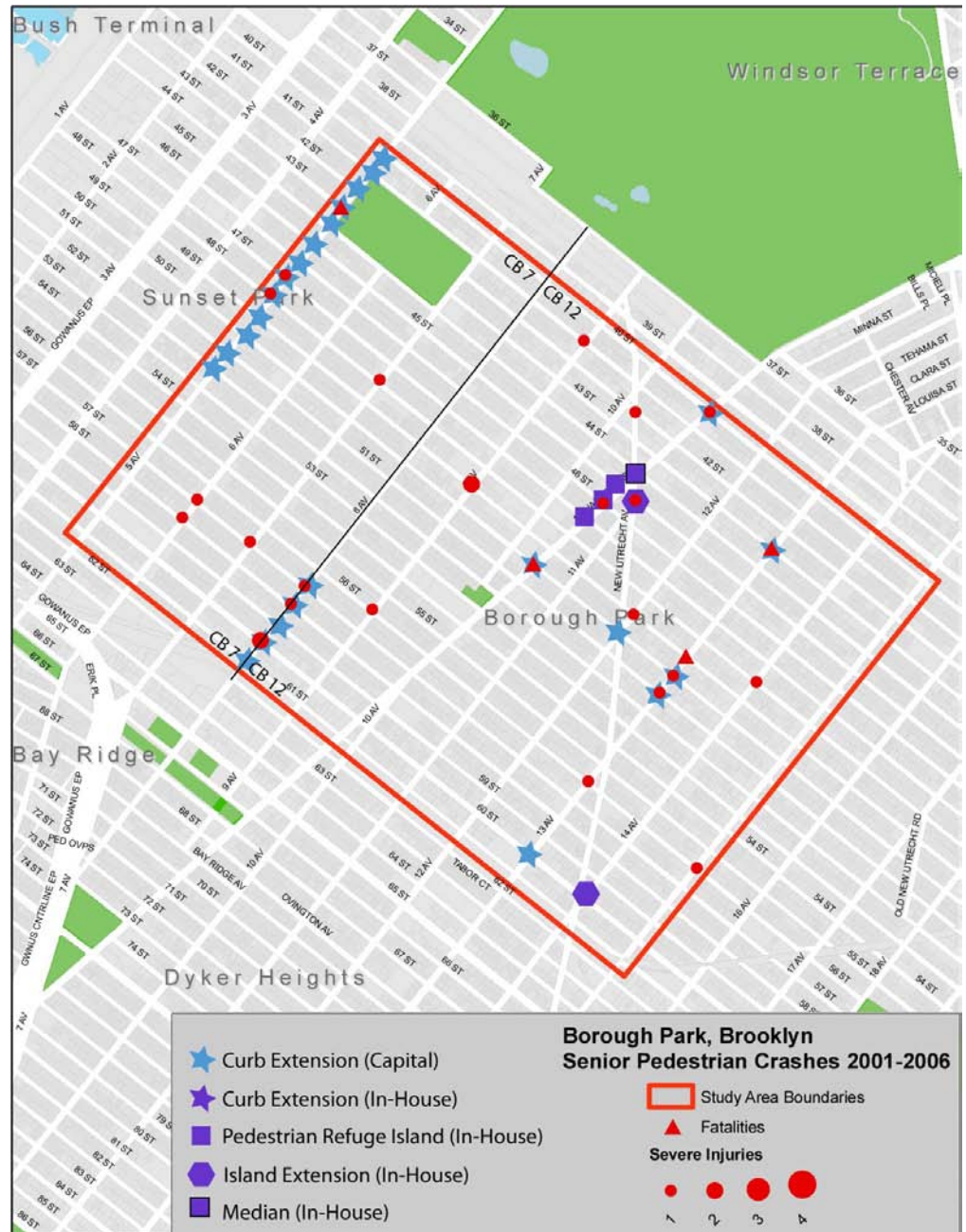
## ■ Curb extensions proposed at 22 locations

- SW and SE corners of 8<sup>th</sup> Ave and 57<sup>th</sup> St
- NW and SE corners of 8<sup>th</sup> Ave and 58<sup>th</sup> St
- SW and NW corners of 8<sup>th</sup> Ave and 59<sup>th</sup> St
- SE and NE corners of 8<sup>th</sup> Ave and 60<sup>th</sup> St
- SW and NW corners of 8<sup>th</sup> Ave and 61<sup>st</sup> St
- SE, SW, and NW corners of New Utrecht Ave and 50<sup>th</sup> St
- SW and NE corners of 12<sup>th</sup> Ave and 50<sup>th</sup> St
- SE corner of 13<sup>th</sup> Ave and 43<sup>rd</sup> St
- NE corner of 13<sup>th</sup> Ave and 50<sup>th</sup> St
- NE corner of 13<sup>th</sup> Ave and 51<sup>st</sup> St
- NE corner of 13<sup>th</sup> Ave and 60<sup>th</sup> St
- SE corner of Fort Hamilton Parkway and 40<sup>th</sup> St
- NW and SE corners of Fort Hamilton Parkway and 50<sup>th</sup> St

# Site Specific Improvements: Capital

## ■ Curb extensions proposed at 24 locations

- NE and NW corners of 5<sup>th</sup> Ave and 40<sup>th</sup> St
- SE and SW corners of 5<sup>th</sup> Ave and 41<sup>st</sup> St
- NW corner of 5<sup>th</sup> Ave and 42<sup>nd</sup> St
- SW corner of 5<sup>th</sup> Ave and 43<sup>rd</sup> St
- NW and NE corners of 5<sup>th</sup> Ave and 44<sup>th</sup> St
- SW and SW corners of 5<sup>th</sup> Ave and 45<sup>th</sup> St
- NE and NW corners of 5<sup>th</sup> Ave and 46<sup>th</sup> St
- SE and SW corners of 5<sup>th</sup> Ave and 47<sup>th</sup> St
- NE and NW corners of 5<sup>th</sup> Ave and 48<sup>th</sup> St
- SE and SW corners of 5<sup>th</sup> Ave and 49<sup>th</sup> St
- NE and NW corners of 5<sup>th</sup> Ave and 50<sup>th</sup> St
- SE and SW corners of 5<sup>th</sup> Ave and 51<sup>st</sup> St
- NE and NW corners of 5<sup>th</sup> Ave and 52<sup>nd</sup> 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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<http://www.nyc.gov/html/dot/html/sidewalks/safeseniors.shtml>