Safe Streets for Seniors

Flushing Senior Pedestrian Focus Area

May 13th, 2008

New York City
Department of Transportation
Janette Sadik-Khan, Commissioner
Citywide 25 Senior Focus Areas

New York City's Safe Streets for Seniors

2008 Pilot Areas

Phase 2 Areas
Flushing Senior Pedestrian Focus Area
One-Way Study for Main and Union Streets

- Limited opportunities to recommend improvements on Main and Union Streets due to pending one-way proposal

- Recommendations “on hold” for 3 high priority pedestrian crash locations
  - Northern Boulevard and Union Street
  - Main Street and Roosevelt Avenue
  - Main Street and Sanford Avenue

- Consultant study for one-way proposal to be complete by summer 2008
Flushed Area Wide Improvements

- **Signal timing for seniors (3 ft/sec) – In Progress**
  - 45 signals currently in study area
  - Increased clearance intervals and cycle lengths

- **Signage Refurbishment – Completed March**
  - Installed 23 signs
    - 9 new, 8 missing, 4 faded and 2 defaced
    - Wait for Walk, Yield to Pedestrians in Crosswalk, Wait for Green Light

- **State of good repair survey for all pedestrian ramps, roadbeds and curbs – Completed January**
  - Survey completed by Traffic Planning
    - defects at 5 locations identified
  - Transmitted to SIM for scheduling
Northern Boulevard Between Main and 146th Streets

- **MAJOR ISSUES:** Heavy pedestrian volumes, heavy vehicle volumes, pedestrian-vehicle conflict with turning movements, poor compliance by pedestrians

- **Corridor Wide Improvements**
  - Upgrade to high-visibility crosswalks and install advanced stop bars at all intersections

- **Signal Timing**
  - Install 3 ft/sec senior timing to provide more clearance or crossing time
  - Install new signal at Linden Place in EB direction to control midblock crossing
Northern Boulevard at Linden Place

- Install signal and crosswalk on EB Northern Boulevard to provide a safer pedestrian crossing and signalize the WB to EB U-Turn
Parsons Boulevard Between Northern Boulevard and Sanford Avenue

- **MAJOR ISSUES**: High pedestrian volumes at Northern Boulevard, pedestrian-vehicle conflicts in the crosswalks

- **Corridor Wide Improvements**
  - Upgrade to high-visibility crosswalks (4 intersections) and install advanced stop bars at all intersections

- **Signal Timing**
  - Install 3 ft/sec senior timing to provide more clearance and crossing time
  - Install LPIs at Northern Boulevard

- **Daylighting for lane clearance**: Northern Blvd - SE corner
Parsons Boulevard upgraded markings
Parsons & Northern Boulevards

- AM Rush hour regulations
- Daylighting for lane clearance
- Install lane designation markings
- Upgrade crosswalks to high visibility
Parsons Boulevard & Sanford Avenue

Current Conditions
“neckdown”

Reconstruct curb and asphalt neckdown in concrete to realign crosswalk and narrow crossing distance for pedestrians

Proposed Conditions
Bowne Street

- MAJOR ISSUES: Wide roadway, long crossing distance for pedestrians and high incidence of senior crashes

- Corridor Wide Improvements
  - Narrow roadway
  - Upgrade to high visibility crosswalks where they do not currently exist (4 intersections) and install advanced stop bars at all intersections

- Signal Timing
  - Install 3 ft/sec senior timing to provide more clearance and crossing time

- Narrowing
  - Pedestrian Refuge islands
    - Northern Boulevard (south leg)
    - 37th Avenue (north leg)
    - 38th Avenue (south leg)
  - Left turn bay locations
    - 37th Ave (south leg)
    - 38th Ave (north leg)
    - 39th Ave (north & south legs)
    - Roosevelt (north & south legs)
    - Sanford Ave (south leg)
Bowne Street roadway narrowing
Bowne Street & Northern Boulevard

**Current Conditions**

Build tip to current median to protect pedestrians from turning vehicles

**Proposed Conditions**

Add lane designation markings

Channelized center median to narrow roadway

Install pedestrian refuge island
Sanford Avenue

- At Bowne St
  - Remove 2 parking spaces on NW corner of Bowne Street to create room for a SB Left turn bay
  - Install peg-a-tracs to improve alignment
**Kissena Boulevard – Main Street – 41st Avenue**

**Current Conditions**

Main Street from Roosevelt Ave to Kissena Blvd

**Proposed Conditions**

- Install flexible delineators to discourage U-turns at 40th Rd.
- Extend median & pedestrian fencing to discourage midblock crossing
- Ban right turn from NB Kissena Blvd to 41st Ave to give peds protected crossing phase
Kissena Boulevard – Main Street – 41st Avenue

Install ped refuge island on Kissena to protect peds

Realign cut through from SB Main to SB Kissena with channelization
Proposed Conditions

Current Conditions

Install high visibility crosswalk on Colden St. to alert pedestrians to approaching vehicles.

Narrow roadway with channelized center median to slow vehicles.
Implementation

1) Install 3 ft/sec timing - in progress (Signals)
2) Signage survey and installation- complete (Borough Engineering)
3) Install markings (Highway Design)
4) Install new sign plan (Borough Engineering)
5) Install flexible delineators on Main Street at 40th Road (Borough Engineering)
6) Install LPIS at Parsons and Northern and new signal at Linden Place (Signals)
7) Install islands (Sidewalk Management)
   - Bowne Street – 3 islands and Median Tip
   - Kissena Boulevard – 1 island
   - Main Street – Median extension
8) Install pedestrian fence on Main Street (Signals)
Implementation Photos
Bowne Street & Northern Blvd

**BEFORE**

Odd markings on Northern and median that stops at crosswalk

New green island on Bowne at Northern

**AFTER**

Removal of markings and new median tip constructed in crosswalk

New green island on Bowne at Northern with signage
Bowne Street Narrowing

Channelized center median

Left turn bay SB on Bowne at 38th Ave

NB and SB left turn bays at Roosevelt Avenue
Bowne Street & 37th Avenue

BEFORE

AFTER
Bowne Street & 38th Avenue

Facing South-
Bowne Street
narrowing

Facing East
Colden Street Narrowing
Parsons Blvd and Sanford Ave
Neckdown on NE corner

BEFORE

AFTER
Kissena Blvd at Elder Ave
Neckdown on NW corner
Main St. & Linden Place
New signal and crosswalk