

Safe Streets for Seniors

Flushing Senior Pedestrian Focus Area

May 13th, 2008



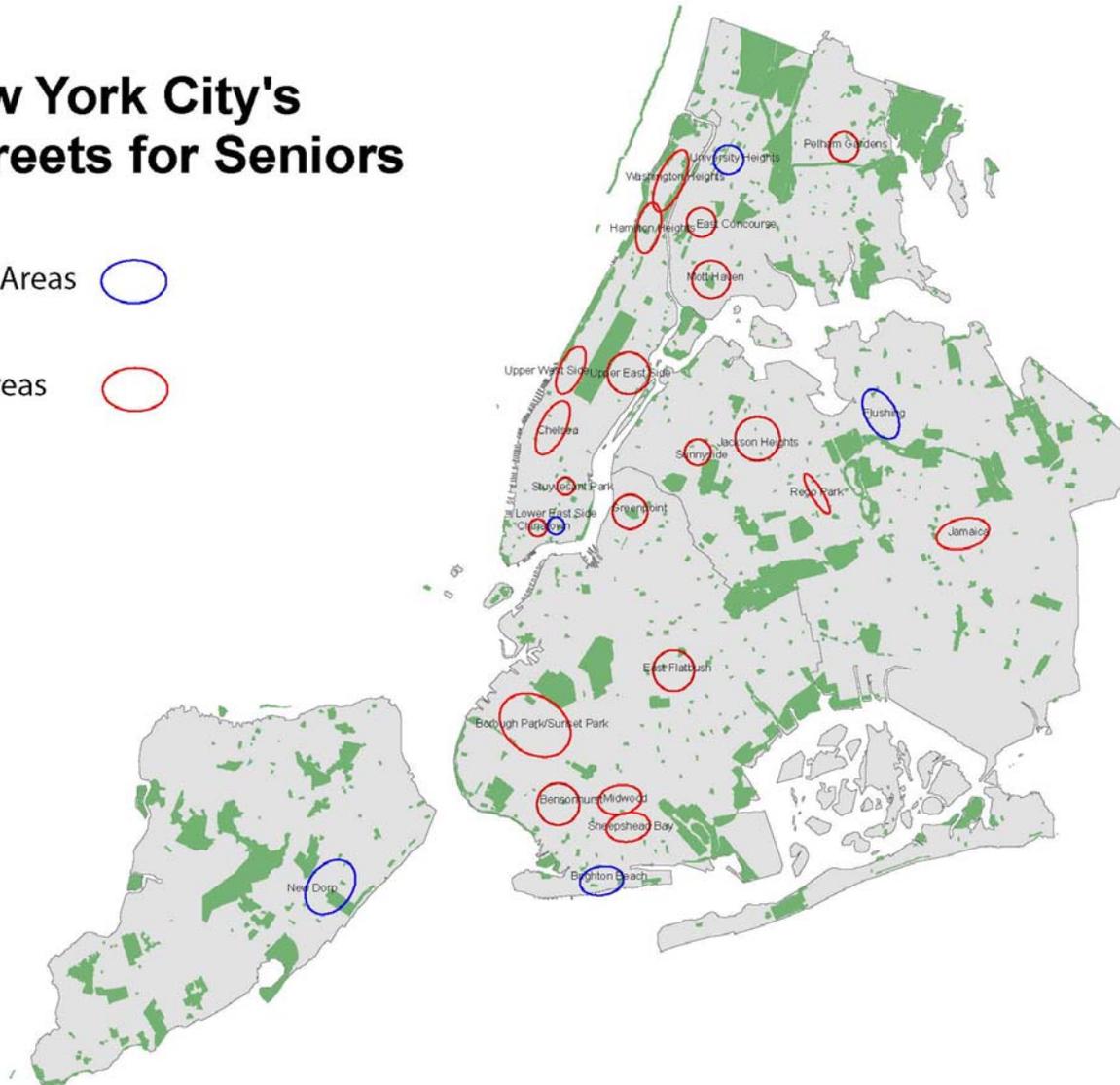
New York City
Department of Transportation
Janette Sadik-Khan, Commissioner

Citywide 25 Senior Focus Areas

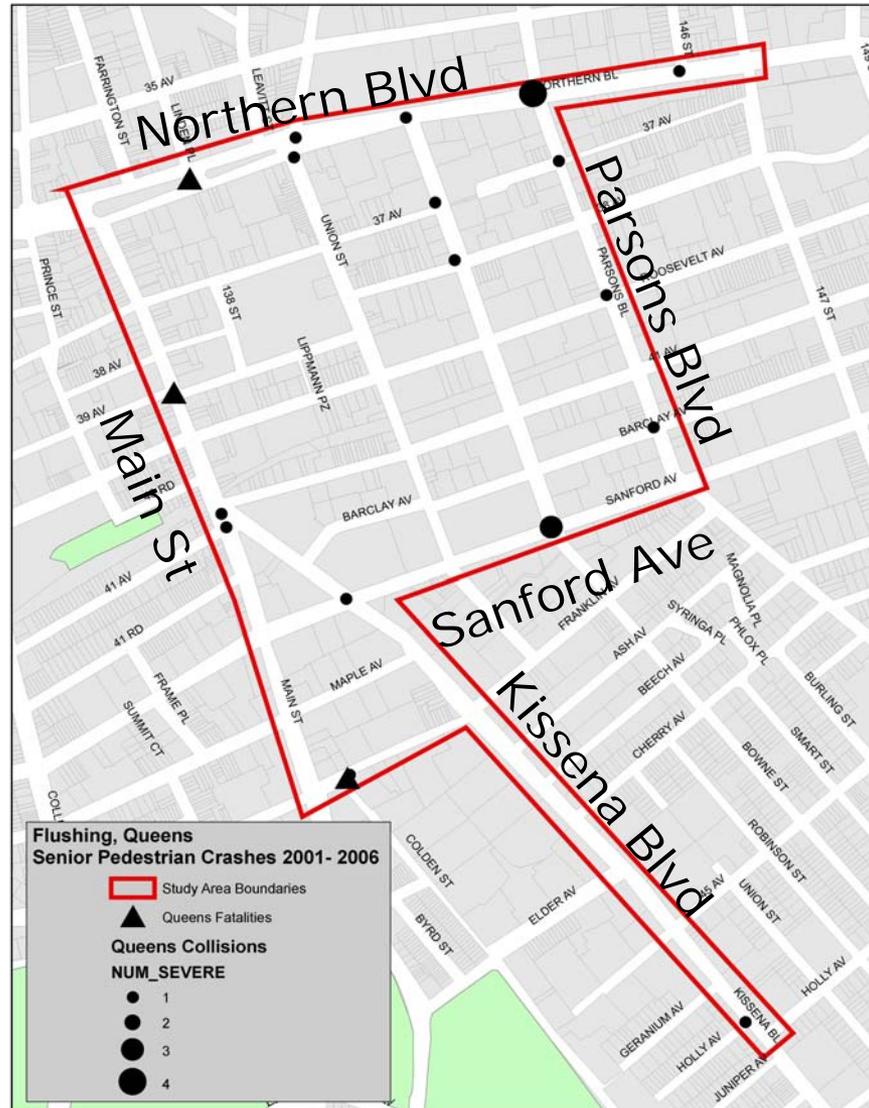
New York City's Safe Streets for Seniors

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

Flushing 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

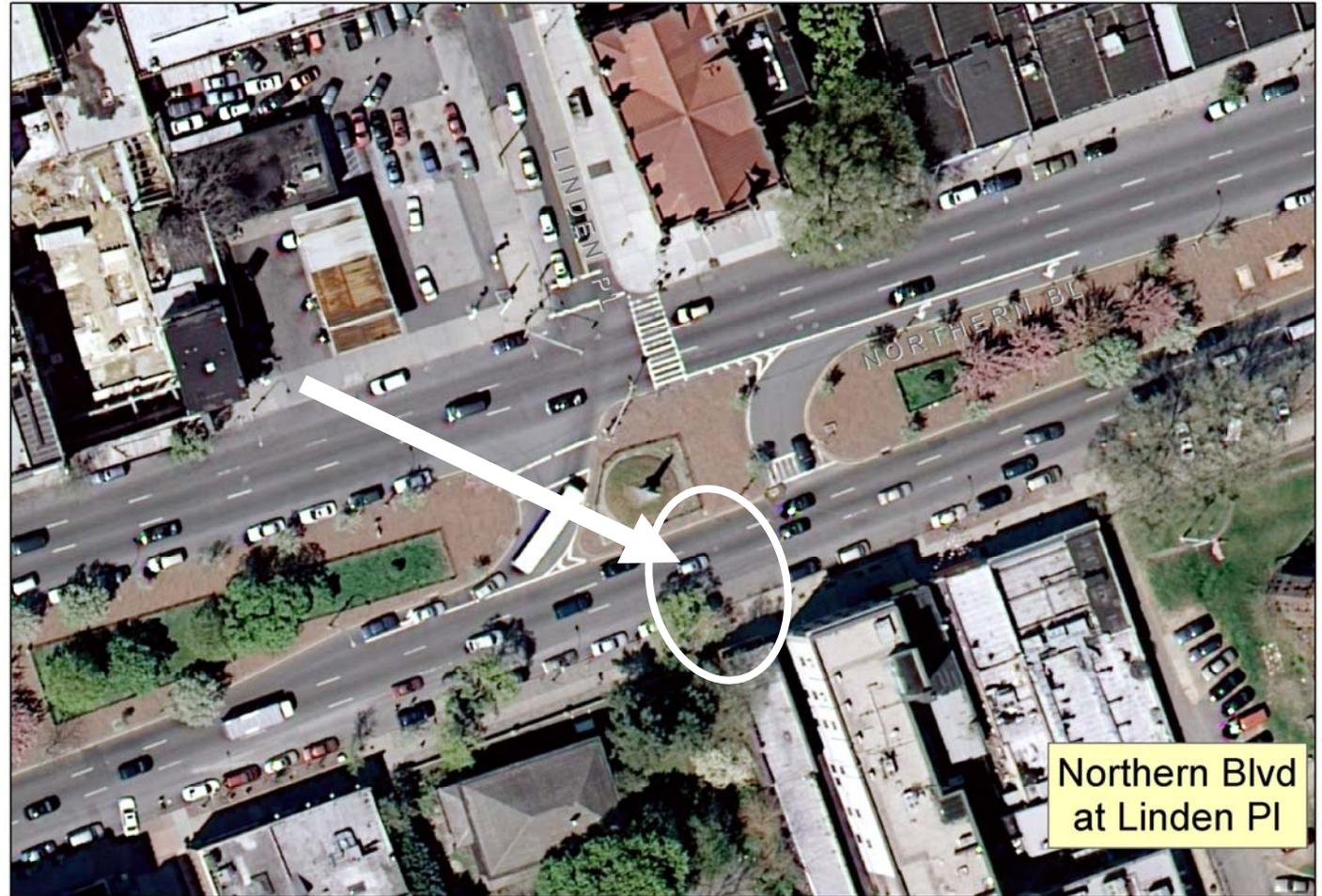
- ❑ MAJOR ISSUES: Heavy pedestrian volumes, heavy vehicle volumes, pedestrian-vehicle conflict with turning movements, poor compliance by pedestrians

- ❑ 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



0 25 50 100 150 200
Feet



Parsons Boulevard

Between Northern Boulevard and
Sanford Avenue

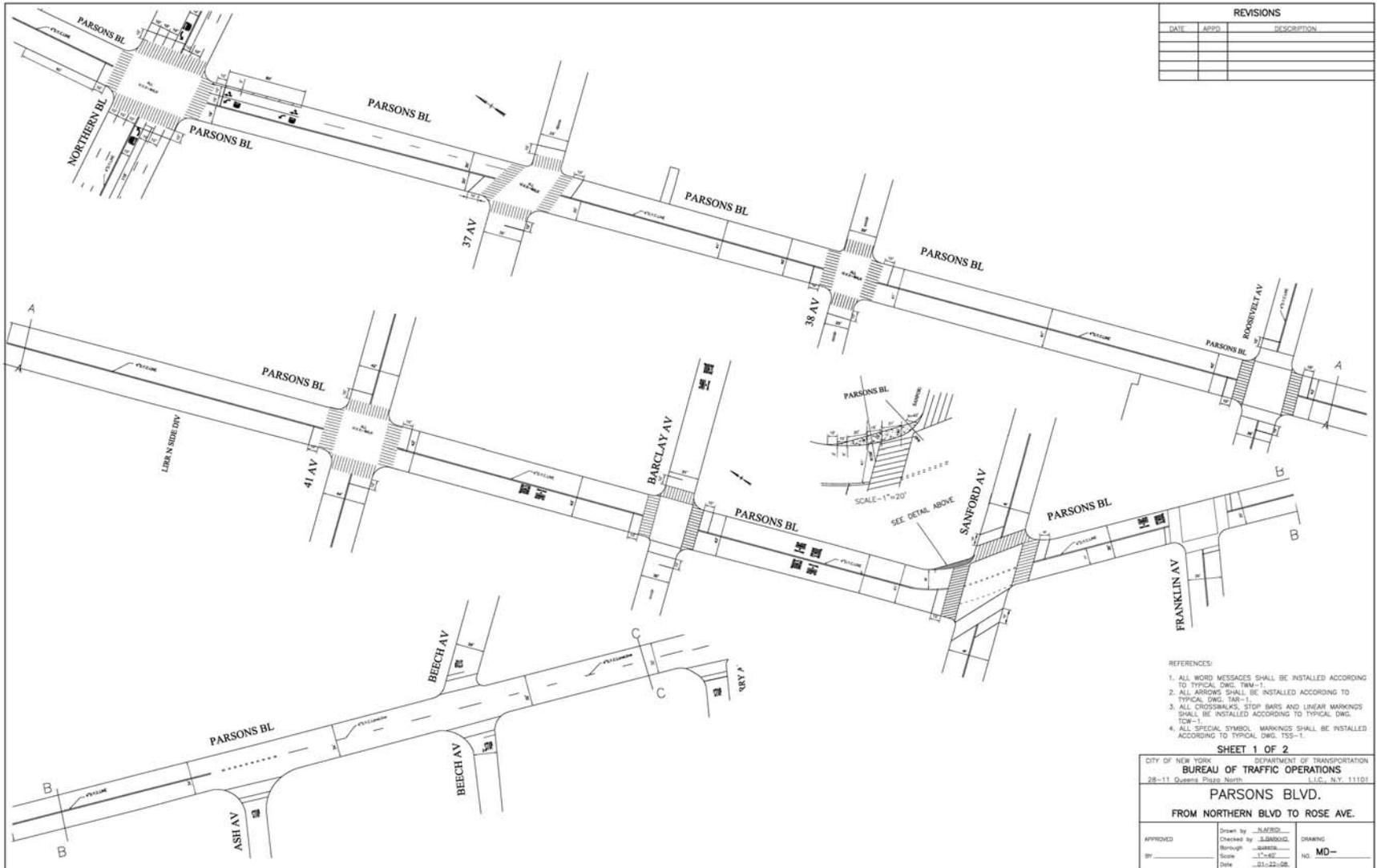
- ❑ MAJOR ISSUES: High pedestrian volumes at Northern Boulevard, pedestrian-vehicle conflicts in the crosswalks

- ❑ 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

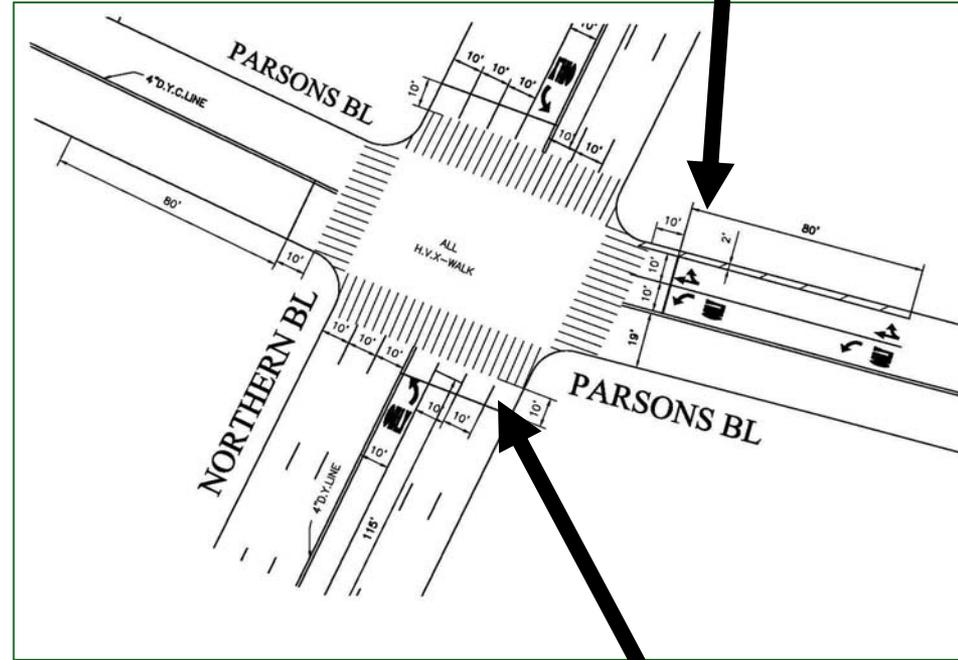
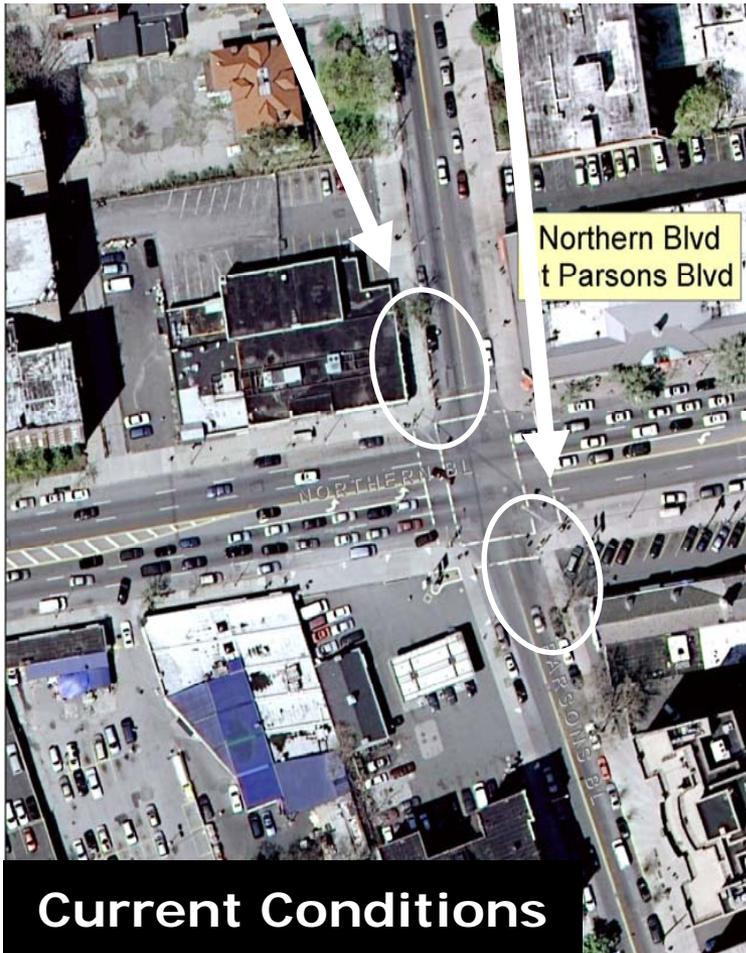


Parsons & Northern Boulevards

AM Rush hour regulations

Daylighting for lane clearance

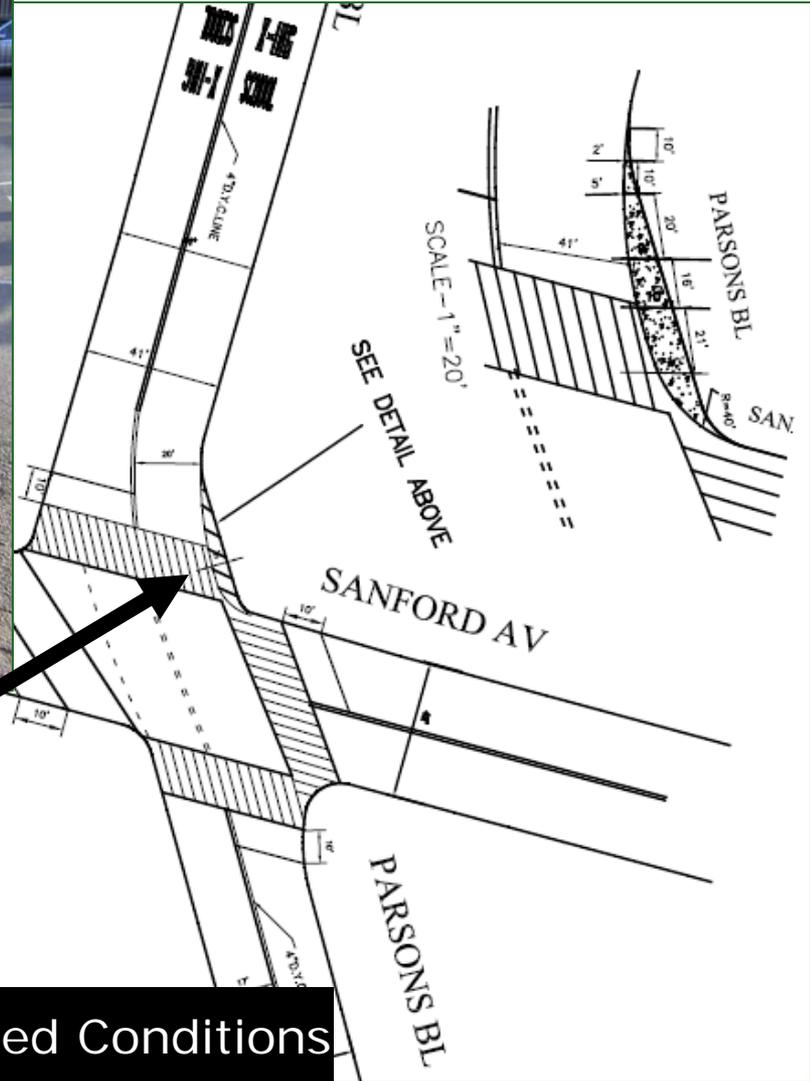
Install lane designation markings



Upgrade crosswalks to high visibility

Parsons Boulevard & Sanford Avenue

Current Conditions
"neckdown"



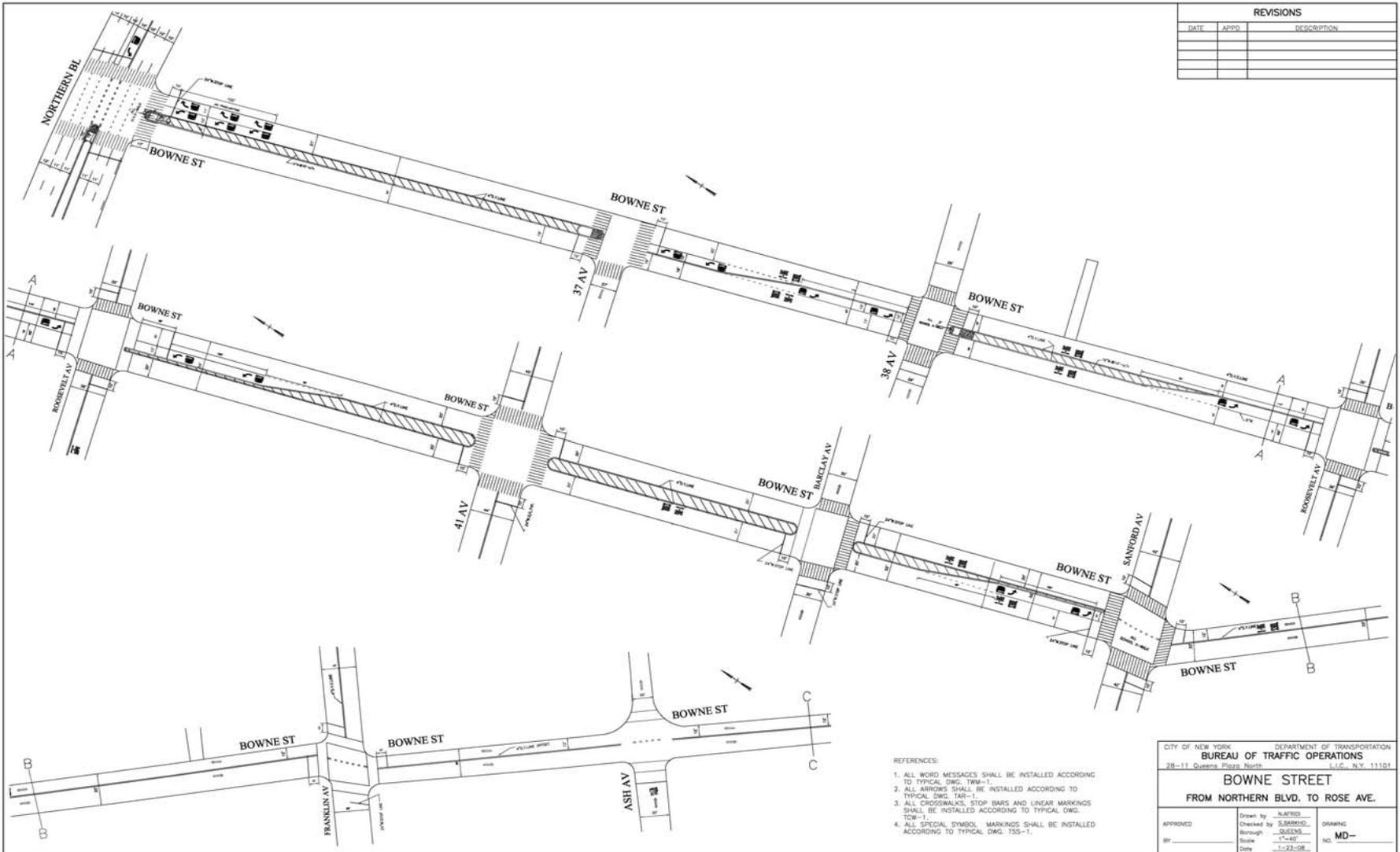
Reconstruct curb and asphalt neckdown in concrete to realign crosswalk and narrow crossing distance for pedestrians

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

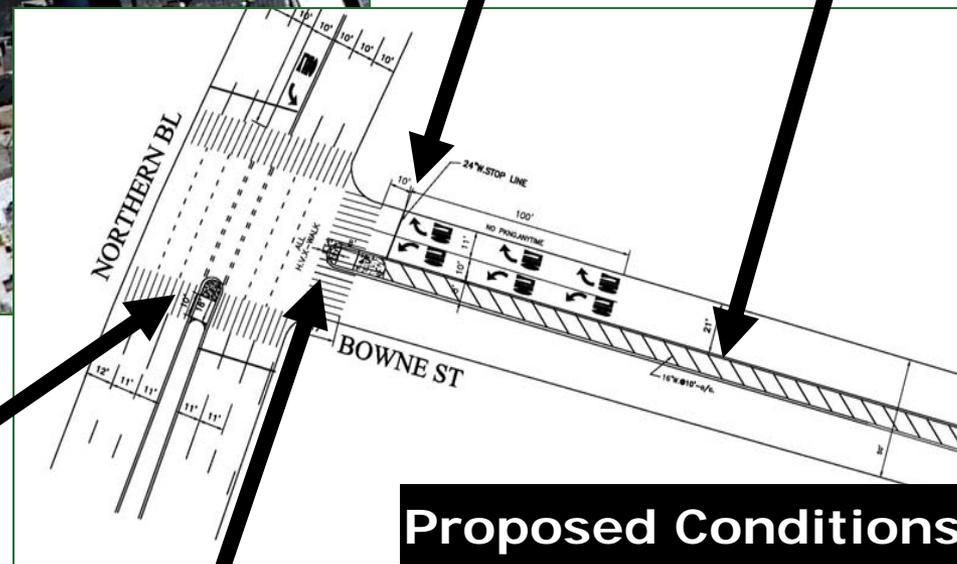


Bowne Street & Northern Boulevard



Add lane designation markings

Channelized center median to narrow roadway

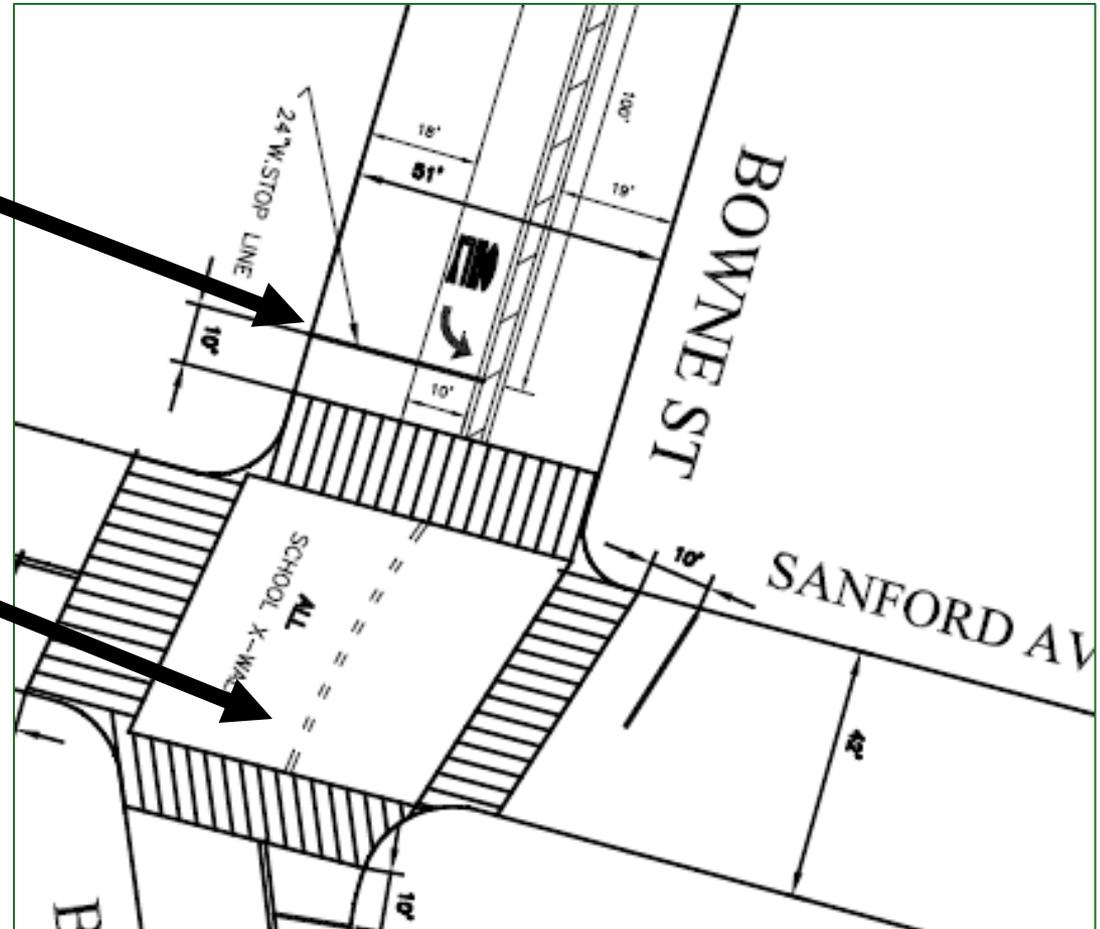


Build tip to current median to protect pedestrians from turning vehicles

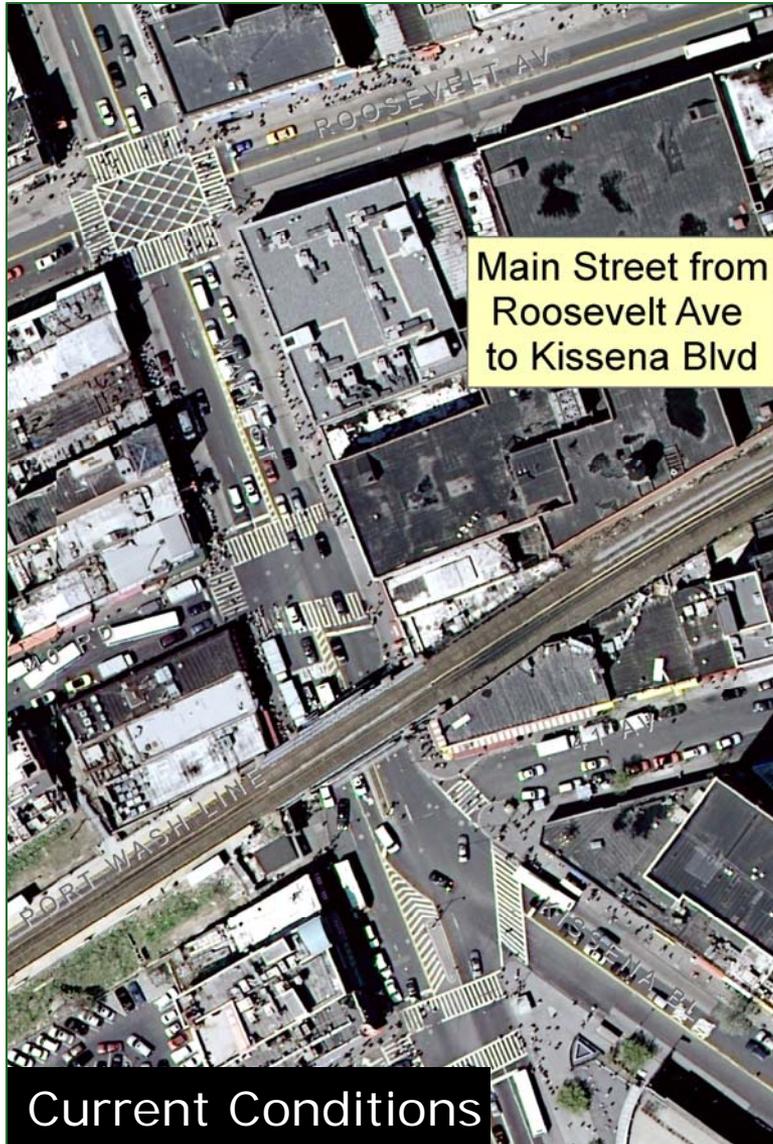
Install pedestrian refuge island

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



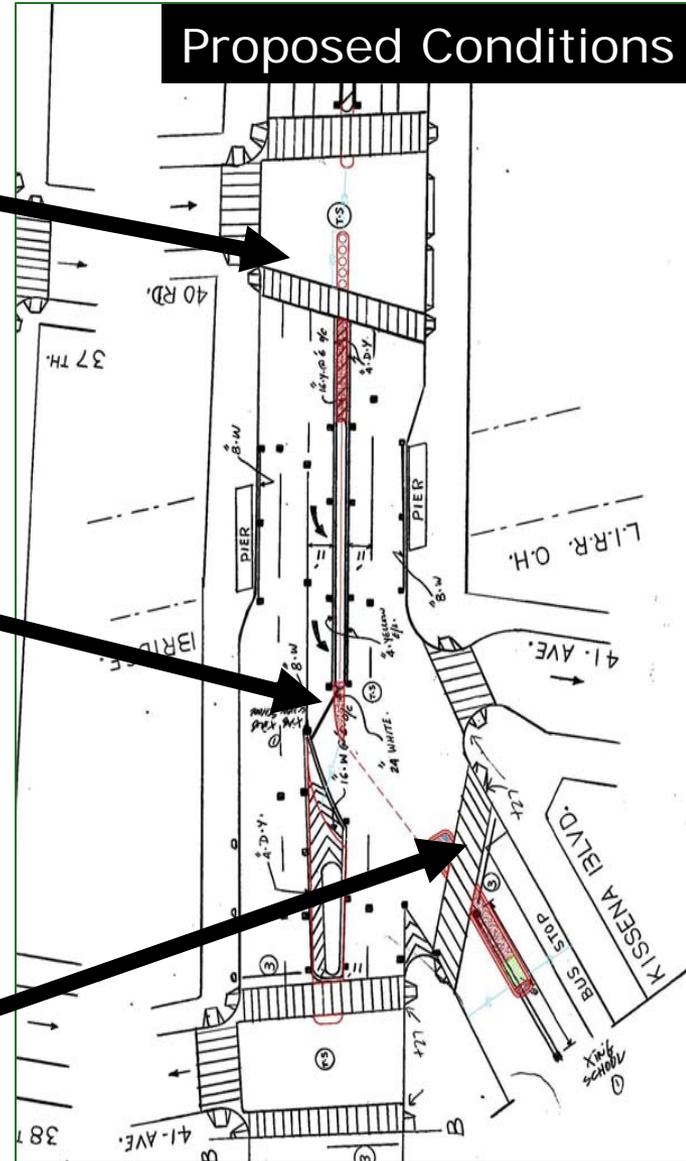
Kissena Boulevard – Main Street – 41st Avenue



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

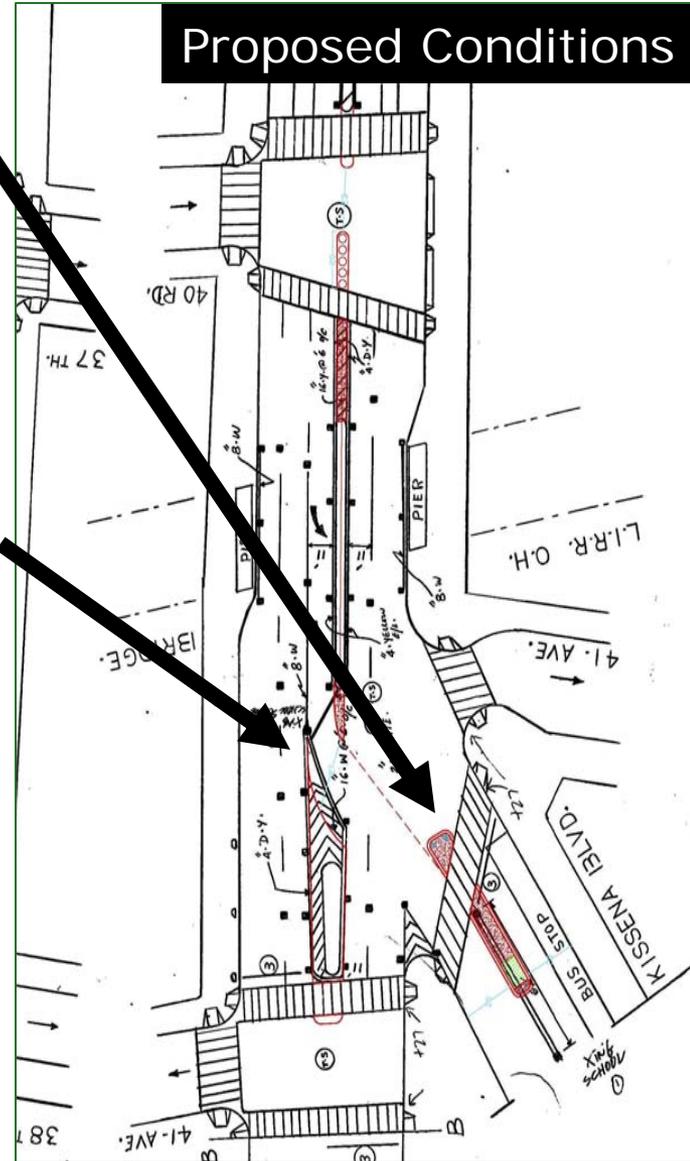


Kissena Boulevard – Main Street – 41st Avenue

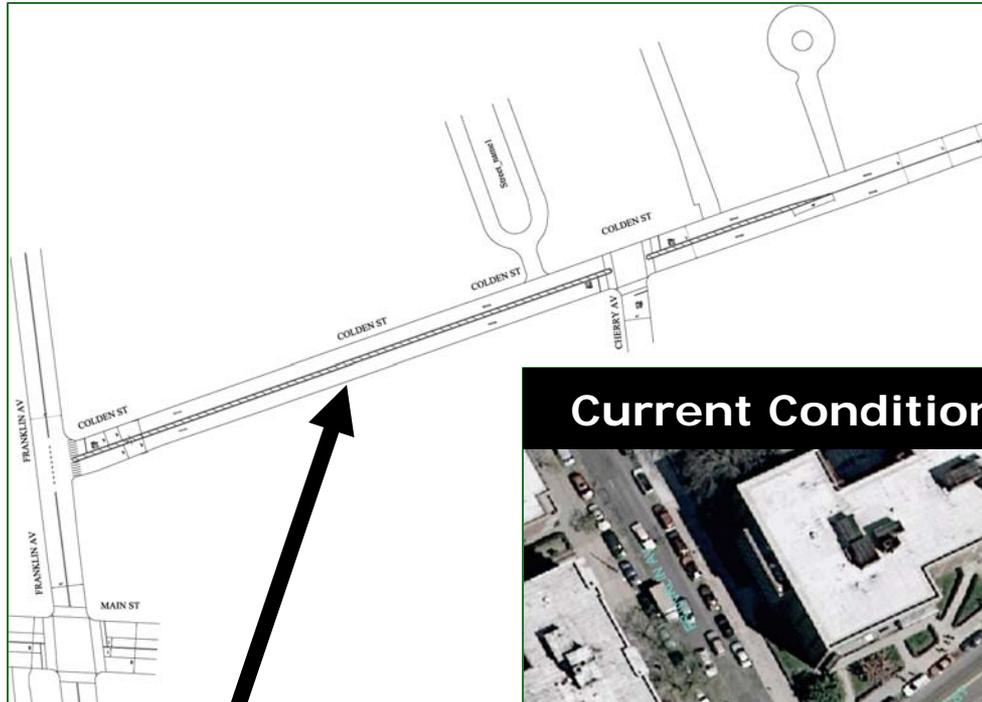


Install ped
refuge
island on
Kissena to
protect peds

Realign cut
through from
SB Main to SB
Kissena with
channelization



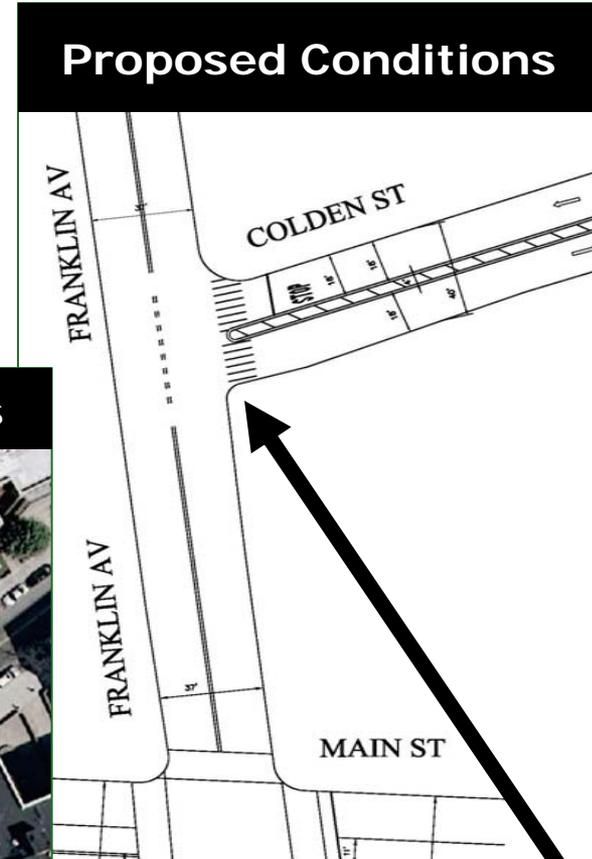
Colden Street & Franklin Street



Narrow roadway with channelized center median to slow vehicles



Current Conditions



Proposed Conditions

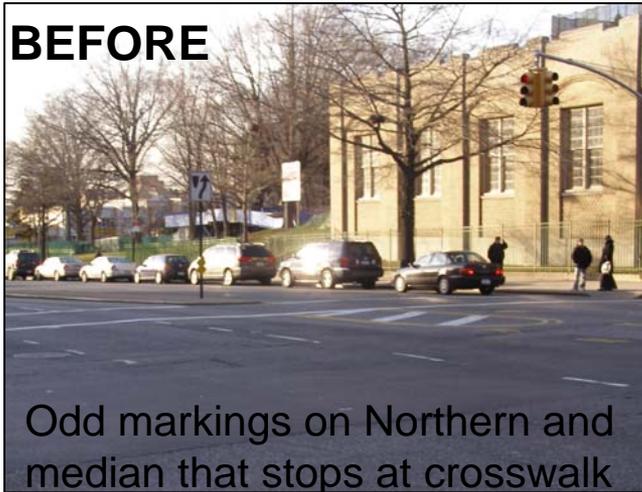
Install high visibility crosswalk on Colden St. to alert pedestrians to approaching vehicles.

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



Bowne Street Narrowing

Channelized center median



NB and SB left turn bays at
Roosevelt Avenue



Left turn bay SB on Bowne at 38th Ave



Bowne Street & 37th Avenue



BEFORE



AFTER



Bowne Street & 38th Avenue



Facing East

Facing South-
Bowne Street
narrowing

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



Facing North



BEFORE



Facing East



Facing West

AFTER