

Macombs Road

Traffic Calming and Pedestrian Safety Improvements

Background

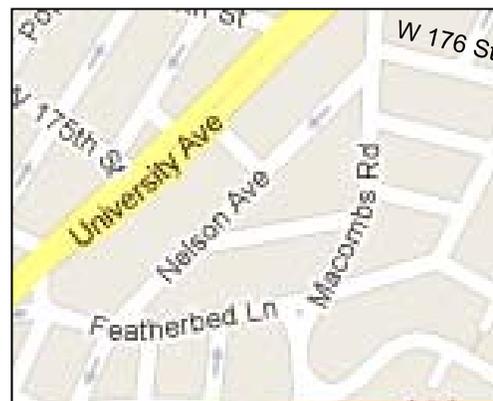
- High number of pedestrian injuries and one fatality
- Park recently constructed a GreenStreet at Featherbed Ln
- High Crash Corridor ranking in the 90th percentile for corridors in the Bronx
- Dangerous speeding observed at Cromwell Ave /Macombs Rd fork
- Priority School IS 232 located at north end of Macombs Rd

Location

- Large residential buildings, some retail and light industrial buildings
- High population density and many children
- Wide roadway with low traffic volumes encouraged speeding
- Curved roadway with bad sight lines
- Lack of pedestrian crossings



2011



Macombs Road - Jerome Ave to W 176th St, BX

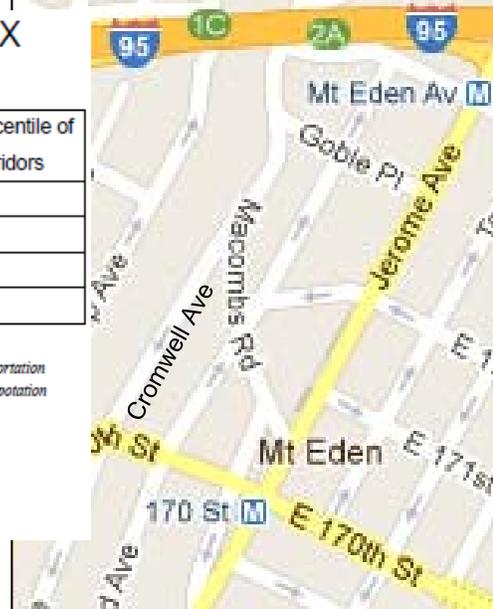
Injury Summary, 2006-2010

	Total Injuries	Avg Inj/Yr	Avg Inj/Mile/Yr	Severity Percentile of Boro Corridors
Pedestrian	36	7.2	12.5	95%
Bicyclist	6	1.2	2	N/A
Motor Vehicle Occupant	70	14	24.3	75%
Total	112	22.4	38.9	90%

Fatalities, 01/01/2006-1/9/2012 : 1

Source: Injuries: NYS Dept. of Transportation
Fatalities: NYC Dept. of Transportation

Pedestrian:	1
Bicyclist:	0
Motor Vehicle Occupant:	0



Street Improvement Projects

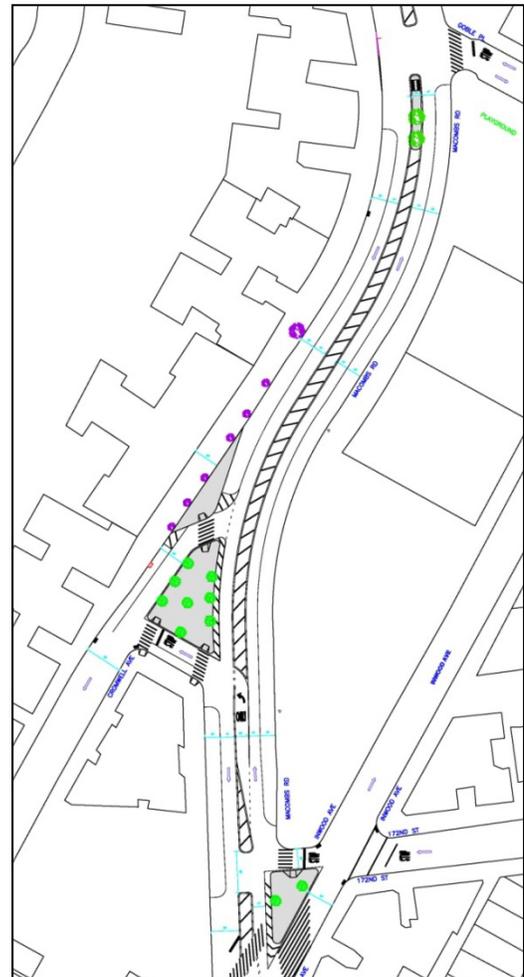
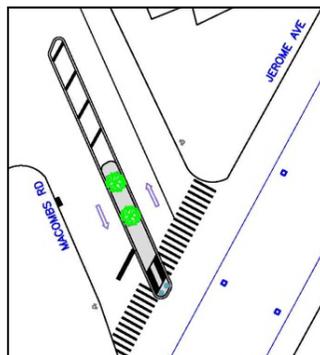
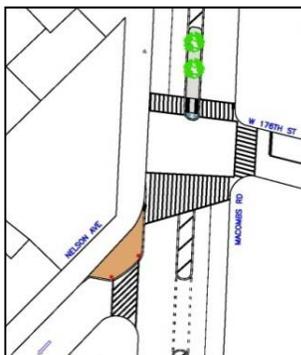
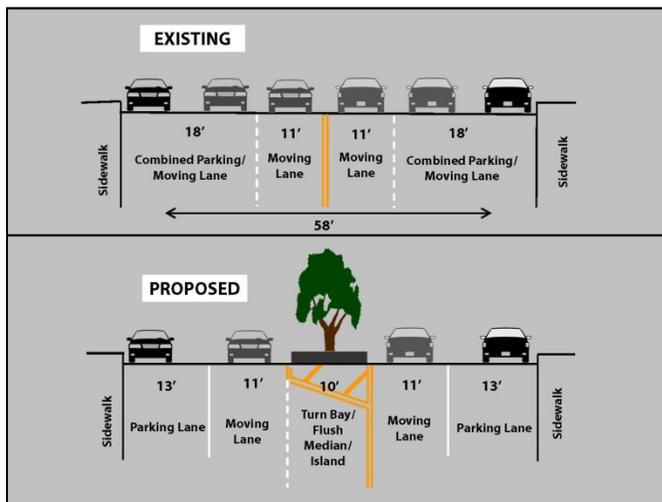
Macombs Road (Cont.)

Improvements

- Constructed three green pedestrian safety islands, two green triangles and a sidewalk extension
- Removed one through travel lane in each direction
- Installed flush center median with left turn bays
- Installed painted neckdown at Macombs Road and Nelson Ave
- Installed two new pedestrian light poles and relocated one signal pole
- Marked bicycle friendly parking lanes

Benefits

- Reduces speeding / calms traffic
- Simpler, safer left turns
- Safer pedestrian crossing
- Creates new public space
- Enhances streetscape
- Adds 1.24 lane miles to the bicycle network
- Redesigns 0.62 miles of a high crash corridor



Macombs Road (Cont.)

Scope

- Colored Roadways
- Concrete Work
- Flexible Bollards
- Landscaping—Parks
- Markings
- Signal Installation/Reconfiguration
- Signs—Curb Regulations
- Signs—Traffic Control

Lead Unit

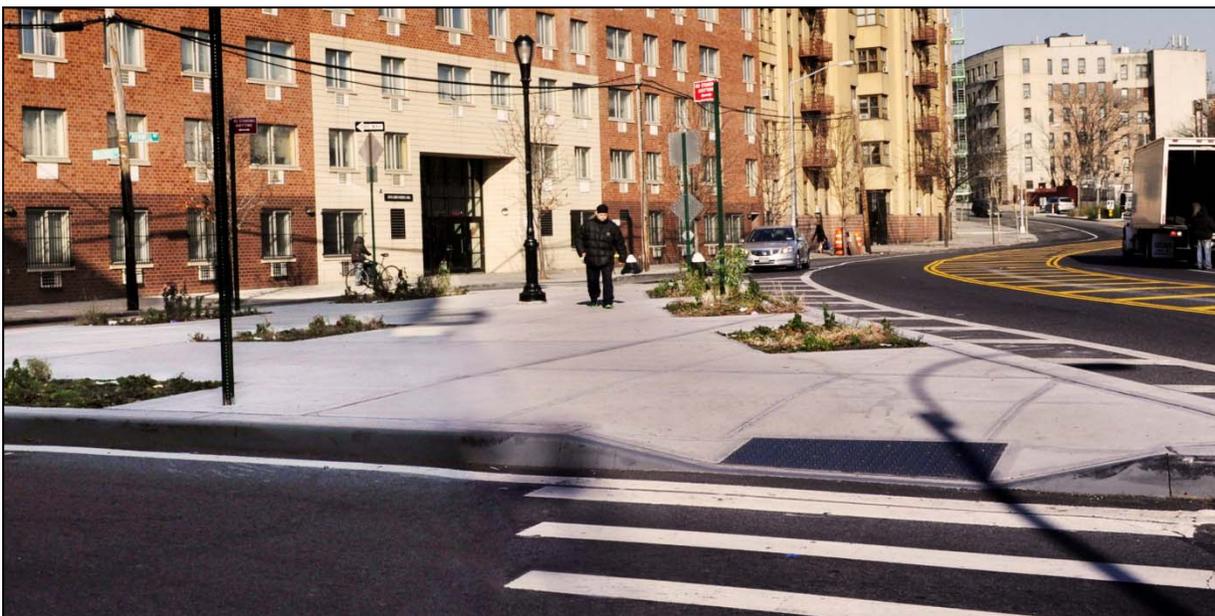
- Pedestrian Projects Group

Implementation

- April 4th – August 6th



Before: Macombs Road Looking north at Cromwell Avenue



After: Macombs Road Looking North at Cromwell Avenue

Macombs Road (Cont.)



Before: Channelized Triangle where Cromwell Avenue forks off from Macombs Road (Looking south)



After: New concrete island and expanded curb create a right turn onto Cromwell Avenue from Macombs Road