

Hillside Avenue - Pedestrian Safety Islands

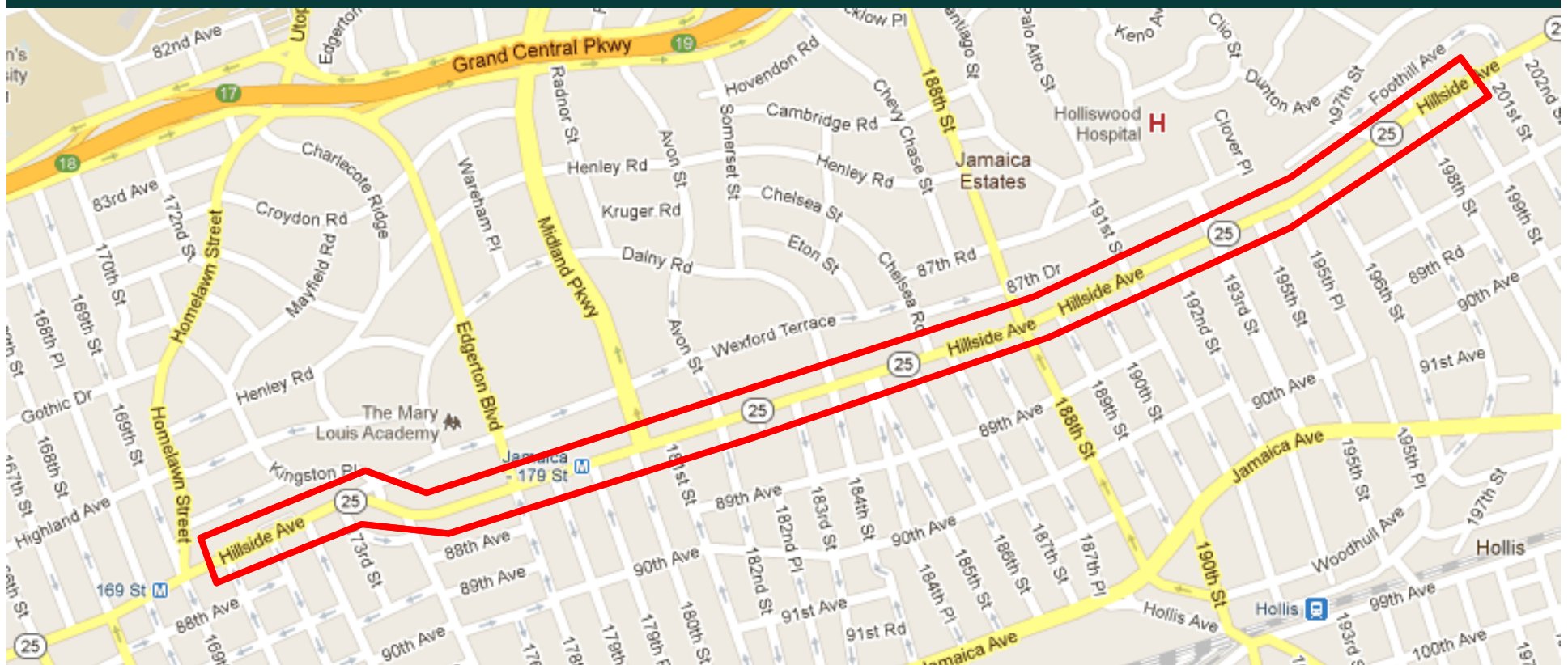
2012



Commissioner Janette Sadik-Khan - New York City Department of Transportation
Office Research, Implementation and Safety, Presentation to Community Board 12 – Feb. 14, 2012

Context

- Hillside Avenue: 4 moving lanes, Left Turn Bays, Bus Lanes, and rush hour parking lanes
- Mixed use area: commercial and residential
- Heavy Pedestrian Traffic
- Major Bus Corridors: Q17, Q43, Q2, Q3, Q77, Q1



Need: Why Hillside Avenue?

- High crash corridor
- Jamaica Hills Senior Safety Area
- Need for pedestrian safety improvements

Ranks in 95th Percentile for Queens Corridors

Hillside Ave - 172 St to 199 St, QN

Injury Summary, 2006-2010

	Total Injuries	Avg Inj/Yr	Avg Inj/Mile/Yr	Severity Percentile of Boro Corridors
Pedestrian	92	18.4	12.1	95%
Bicyclist	7	1.4	0.9	N/A
Motor Vehicle Occupant	322	64.4	42.4	95%
Total	421	84.2	55.5	95%

Fatalities, 01/01/2006-12/12/2011 : 4

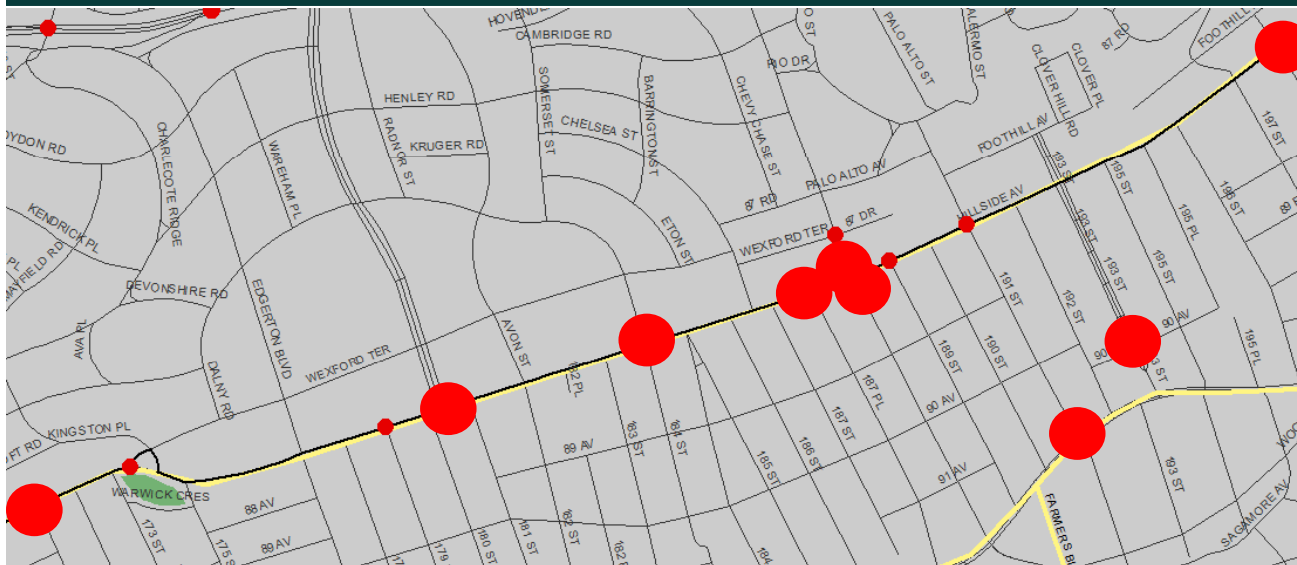
Source: Injuries: NYS Dept. of Transportation
Fatalities: NYC Dept. of Transportation

Pedestrian:	2
Bicyclist:	0
Motor Vehicle Occupant:	2

Route Length: 1.5

Need: Why Hillside Avenue?

- Wide streets make pedestrian crossings of Hillside Avenue difficult
- Of 42 pedestrian crashes at signalized intersections 32 (76%) were crossing with the signal
- High Level of pedestrian fatalities: pedestrian was killed crossing Hillside Ave at 198th in 2011

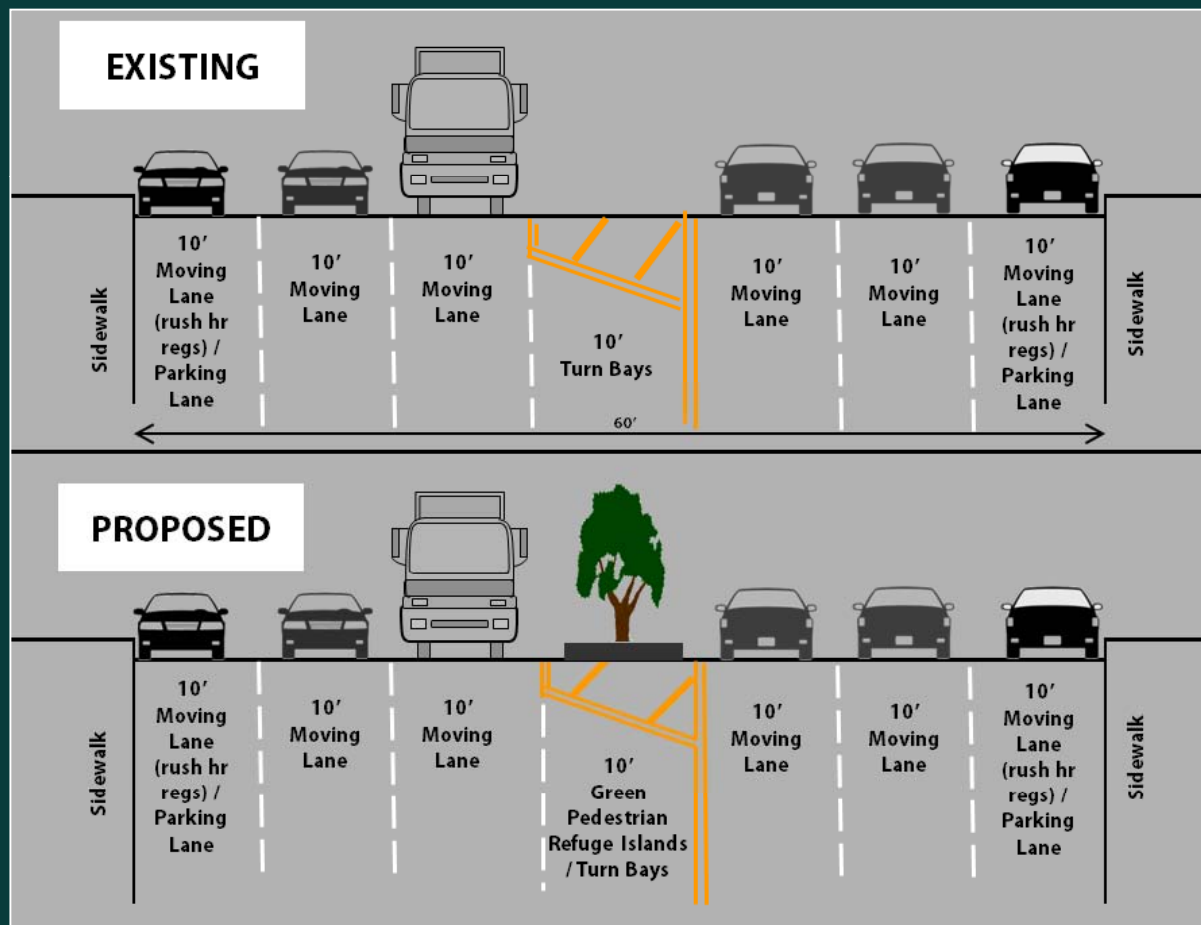


Fatalities (2002-2011)

- Pedestrian
- Motor Vehicle

Proposal: Hillside Ave: 172nd St - 199th St

- Construct 5 green pedestrian safety islands
- Signalization to be added at 199th St



Hillside Avenue Typical Configuration

Proposal: Green Pedestrian Island



Hillside Avenue at 197th Looking East

Proposal: Green Pedestrian Island



Hillside Avenue at 197th Looking East

Example: Green Pedestrian Island

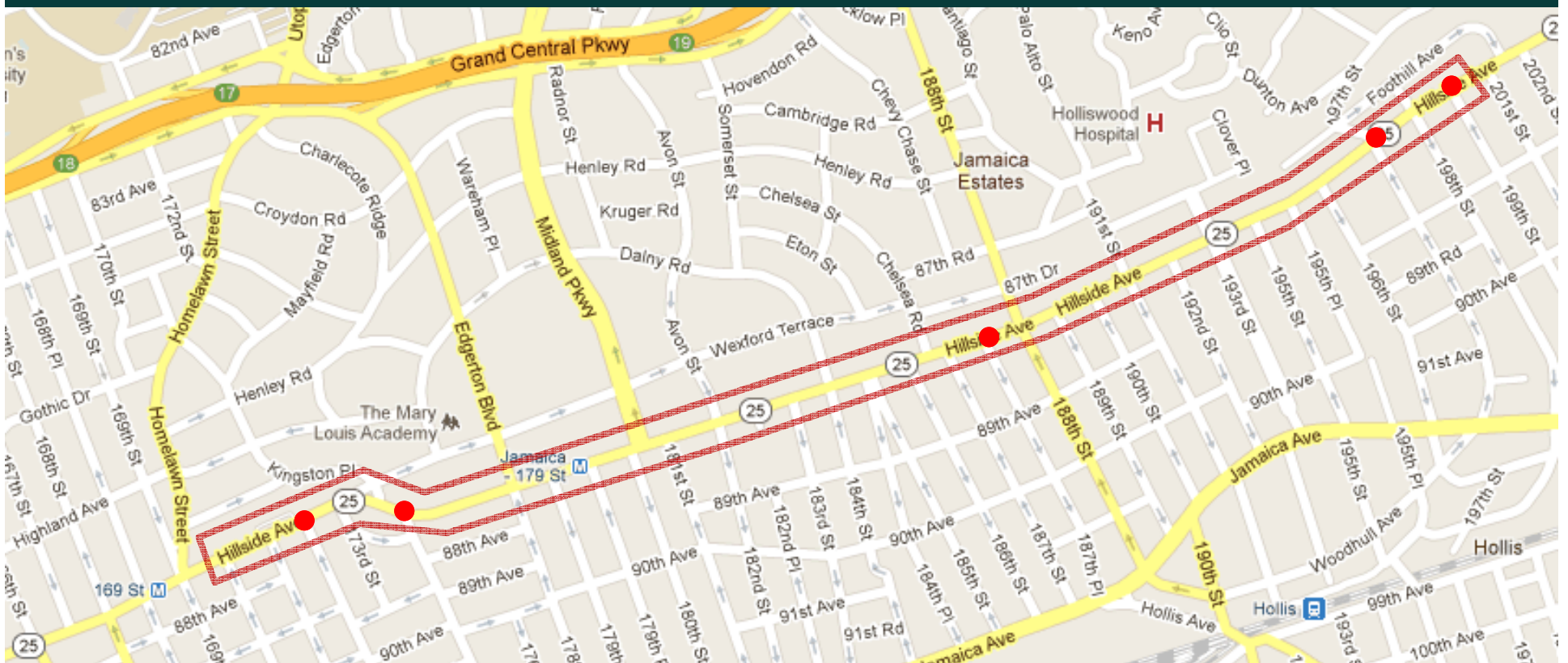


Empire Blvd & Nostrand Ave Looking West - Brooklyn

Proposal Summary

- Green pedestrian safety island locations

- 172nd St (E)
- 175th St (W)
- 187th St (E)
- 197th St (E)
- 199th St (E)



Benefits of Proposal

- Creates safer crossing at key pedestrian intersections
- Pedestrian safety islands have been shown to reduce*
 - Pedestrian crashes by **46%**
 - Vehicle Crashes by **39%**
- Improves pedestrian visibility and safety
- No removal of lanes or traffic capacity impact

*Source: US Department of Transportation FHWA Proven Safety Countermeasures - Medians and Pedestrian Crossing Islands in Urban and Suburban Areas http://safety.fhwa.dot.gov/provencountermeasures/fhwa_sa_12_011.htm

Questions?

Thank
You