1. Hillside Ave/Metropolitan Ave

- Long pedestrian crossings
- Poor visibility/yielding to pedestrians
- Turn conflicts congest intersection
- Difficult to predict vehicle movements
Crash History

24% of motor vehicle crashes involved left turning vehicles.

60% of pedestrian crashes took place when pedestrians are crossing with signal.

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<tr>
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<th>Total Injuries</th>
<th>Severe Injuries</th>
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<td>Total</td>
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Metropolitan Ave at Hillside Ave Injury Summary, 2008-2012 (5 years)
Proposed Improvements

- Shorten pedestrian crossings
- Build concrete extensions/islands
- Remove vehicle conflicts
- Improve signal timing

*Eliminates Head-On Condition

Concrete neckdown/extension example

Pedestrian safety island example
2. Hillside Ave/127th St
Proposed Improvements

- Build pedestrian safety island
- Stripe new w/b LT bay

Pedestrian safety island example
3. Hillside Ave/Kew Gardens Rd

- Long pedestrian crossings
- Poor visibility/yielding to pedestrians
- Pedestrian desire lines not accommodated
Proposed Improvements

*Maintain e/b LT to Kew Gardens Rd

- Shorten pedestrian crossings
- Build concrete extensions/islands
- Reduce vehicle conflicts
- Simplify traffic network
Appendix - Proposal Summary

Proposed changes to the intersection of Hillside/Metropolitan
1. Add two concrete neckdowns to shorten crosswalks
2. Add two concrete pedestrian islands to create safer crossings
3. Improve signal timing to allow for conflict-free crossings and vehicle turns
4. Convert Metropolitan btwn 130 St/131 St to e/b only
5. Convert 131 btwn Metropolitan and Hillside to n/b only
6. Convert 131 btwn Hillside and Kew Gardens to n/b only
7. Restrict following LTs:
   1. e/b Metropolitan to n/b 130 St
   2. e/b Hillside to s/b 130 St
   3. w/b Hillside to s/b 130 St
8. Add new turn bays at:
   1. e/b Hillside to n/b 129 St
   2. w/b Hillside to s/b 127 St
9. Add concrete pedestrian island at Hillside/127th to create safer crossing

Proposed changes to the intersection of Hillside/Kew Gardens
1. Add concrete pedestrian island to create safer Kew Gardens crossing
2. Add two concrete sidewalk extensions to create shorter crossings
3. Convert Kew Gardens btwn Hillside /Van Wyck State Rd to e/b only
4. Restrict following LTs:
   1. e/b Hillside to 135 St
   2. w/b Hillside to s/b Kew Gardens Rd
5. Add new turn bay at e/b Hillside to n/b 136 St
6. Net parking gain +7
Appendix – Turn Restrictions
Appendix – Parking Changes

Net parking gain/loss: -3
Appendix – Parking Changes

Net parking gain/loss: +7
Appendix – Plan