

# Northern Boulevard

62<sup>nd</sup> Street- 102<sup>nd</sup> Street

2014



Commissioner Polly Trottenberg - New York City Department of Transportation  
Office Research, Implementation and Safety - Presentation to Community Board 3 - May 13, 2014

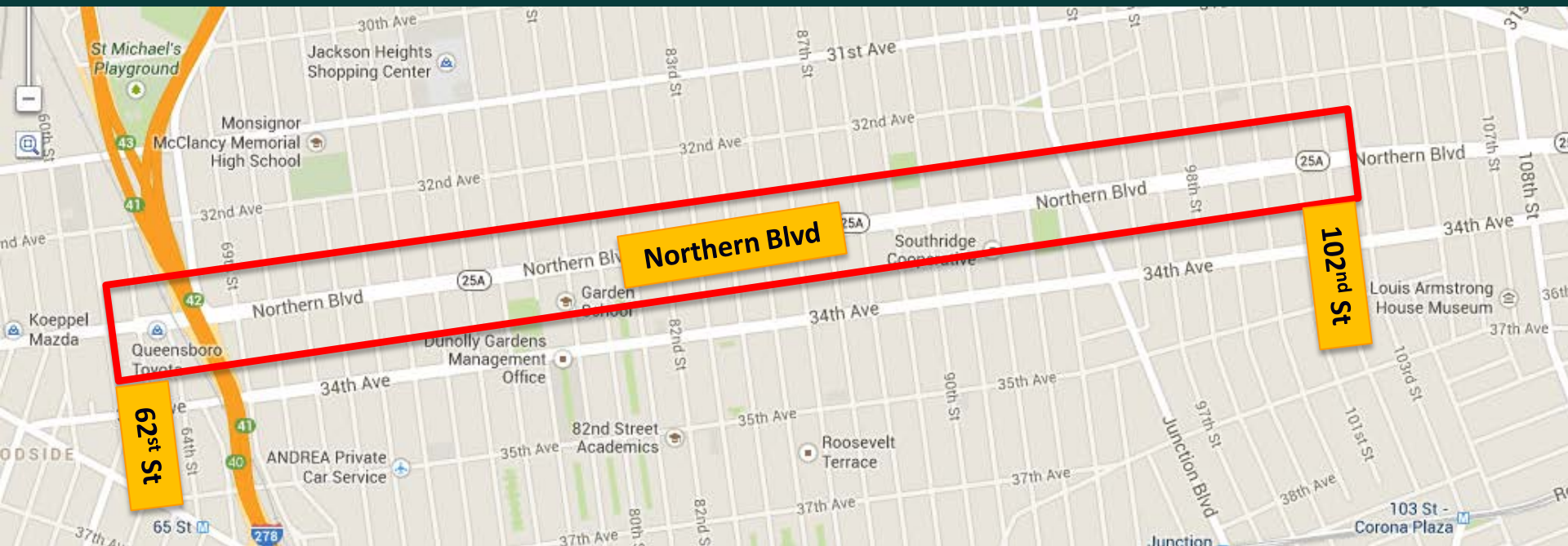


# Context: Northern Blvd

- May 2013—Council Member Daniel Dromm requested a traffic safety study for this portion of Northern Blvd

## Existing Conditions

- 4 moving lanes, left turn bays, and rush hour parking lanes
- Mixed use area: commercial and residential
- Heavy vehicle volumes
- Heavy pedestrian traffic
- Bus Routes: QM2, QM3, QM20, Q23, Q33, Q47, Q49, Q66, Q72



# Need: Why Northern Blvd?

- High Crash Corridor\*
  - 26.2 KSI (Killed or Severely Injured) per mile; top 10% of all Queens corridors
  - 3 pedestrian fatalities since 2008
- Of the 108 pedestrian injury crashes within the corridor\*, 50 (46.3%) were crossing with the signal
  - Also known as a failure to yield crash
- 70' width of Northern Blvd makes pedestrian crossings difficult for slow pedestrians
  - Pedestrian study at Northern Blvd and 61 St
    - 33% of all pedestrians were school aged children

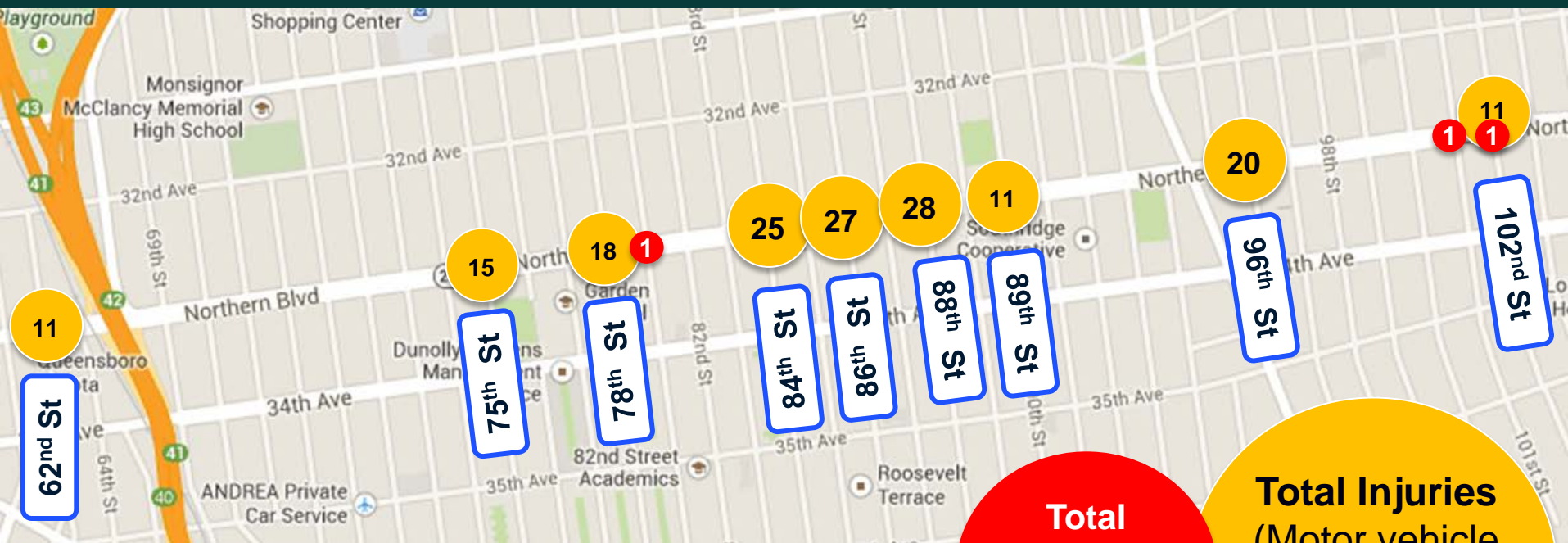
\*2008-2012 NYSDOT/NYCDOT crash data.



# Northern Blvd: Location Selection

- Safety improvement locations were selected with three tiers of analysis:
  - High Crashes
    - Locations with higher rates of failure to yield pedestrian crashes were prioritized
  - Land Use and Traffic Network needs
    - Institutions (schools and hospitals) taken into account
    - Proposed improvements have minimal impact on traffic network
  - Engineering Feasibility
    - Construction is possible without disrupting existing underground utilities

# Need: Northern Blvd Crash Data



Northern Blvd - 62 St to 102 St, QN

Injury Summary, 2008-2012 (5 Years)

	Total Injuries	Severe Injuries	Fatalities	KSI
Pedestrian	154	20	3	23
Bicyclist	33	2	0	2
Motor Vehicle Occupant	584	22	0	22
Total	771	44	3	47

Fatalities, 01/01/2008-4/14/2014

3

Source: Fatalities: NYCDOT  
Injuries: NYSDOT  
KSI: Persons Killed or  
Severely Injured

Total  
Fatalities  
2008-  
2012

Total Injuries  
(Motor vehicle  
occupant, bicycle  
and pedestrian)  
2008-2012

154 Total Pedestrian Injury Crashes

3 Total Pedestrian Fatalities

# Proposal: Northern Blvd Pedestrian Islands

Pedestrian safety islands have been shown to\*

- Decrease pedestrian crashes by 46%
- Reduce vehicle crashes by 39%



Hillside Ave and 187 St—looking east

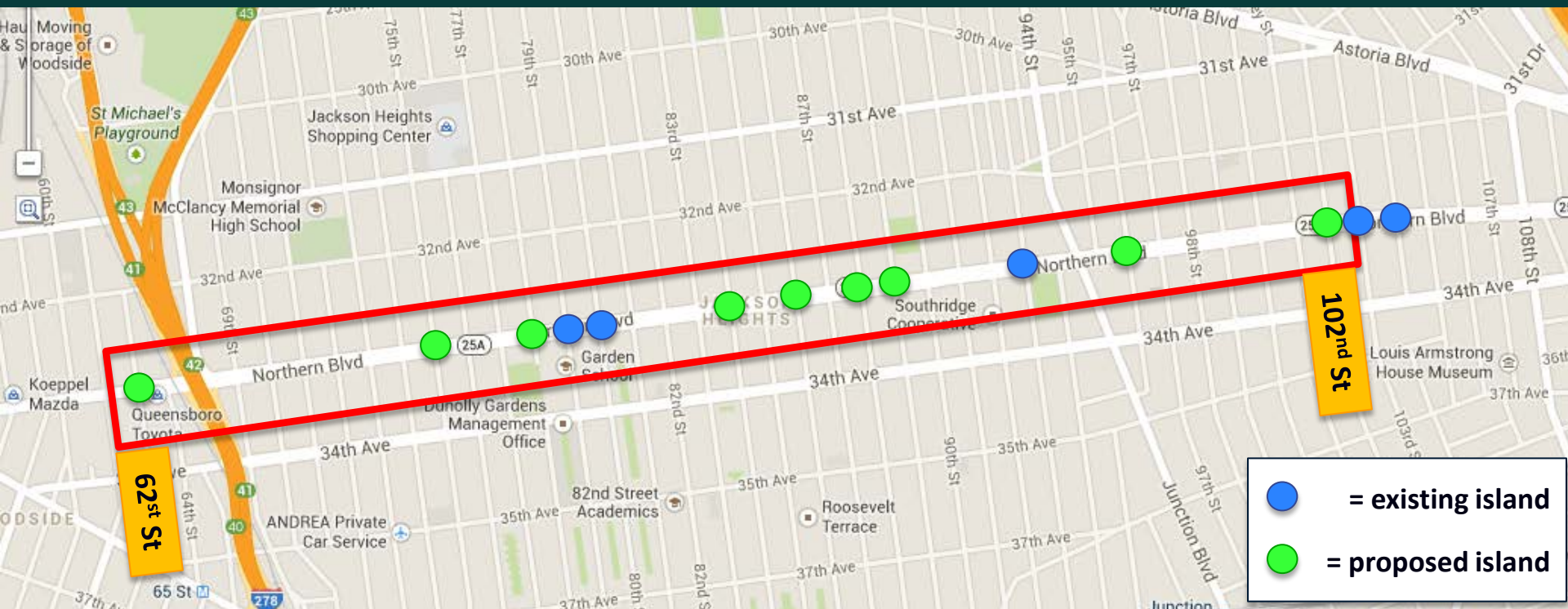


Northern Blvd and 61 St during implementation

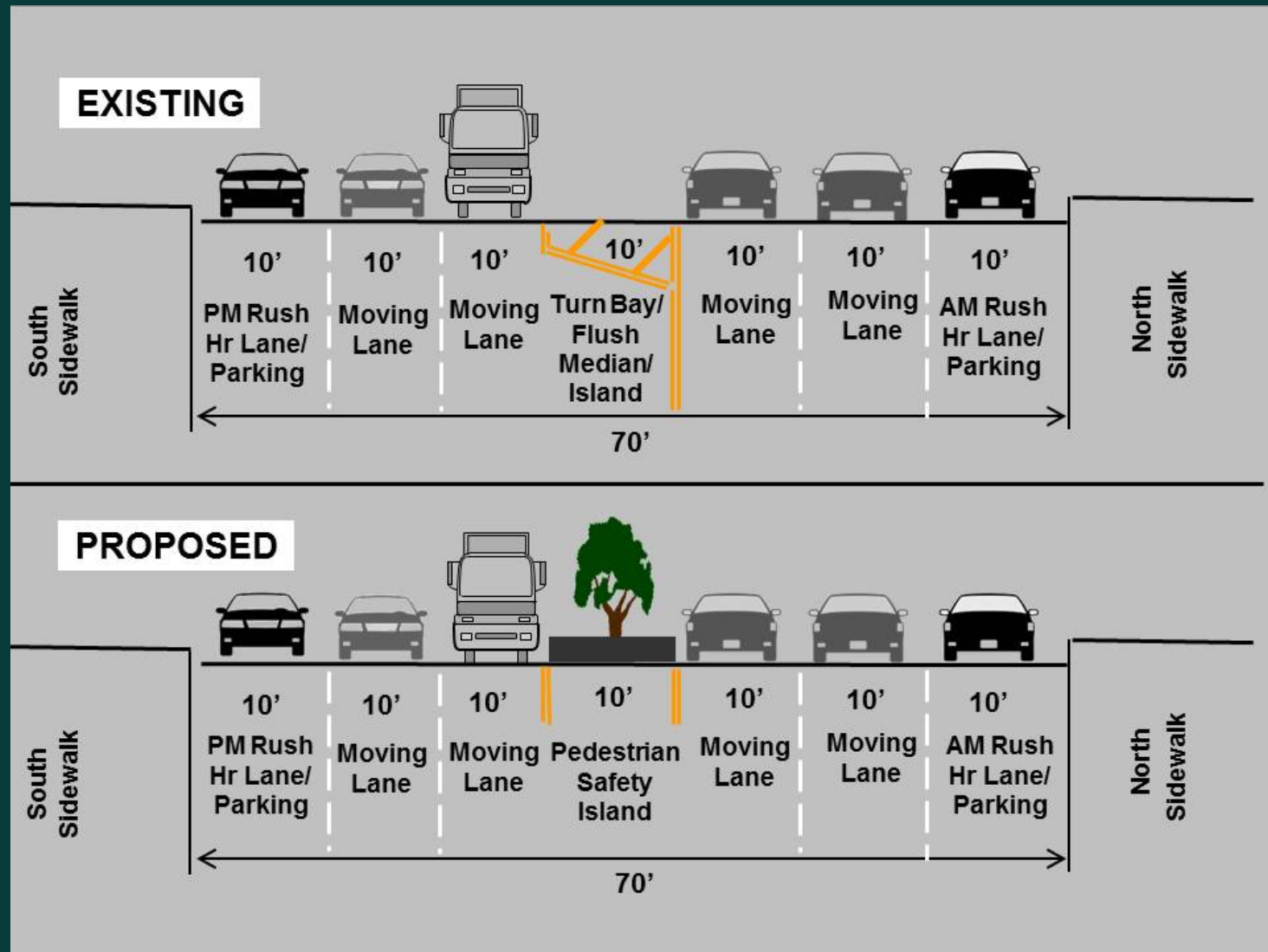


# Proposal: Northern Blvd Pedestrian Islands

- Construct a total of 9 pedestrian safety islands
  - At 62<sup>nd</sup> St, 75<sup>th</sup> St, 78<sup>th</sup> St, 84<sup>th</sup> St, 86<sup>th</sup> St, 88<sup>th</sup> St, 89<sup>th</sup> St, 96<sup>th</sup> St, 102<sup>nd</sup> St
- Existing islands at 61<sup>st</sup> St, 79<sup>th</sup> St, 80<sup>th</sup> St, 93<sup>rd</sup> St, 103<sup>rd</sup> St, 104<sup>th</sup> St



# Proposal: Northern Blvd Pedestrian Islands

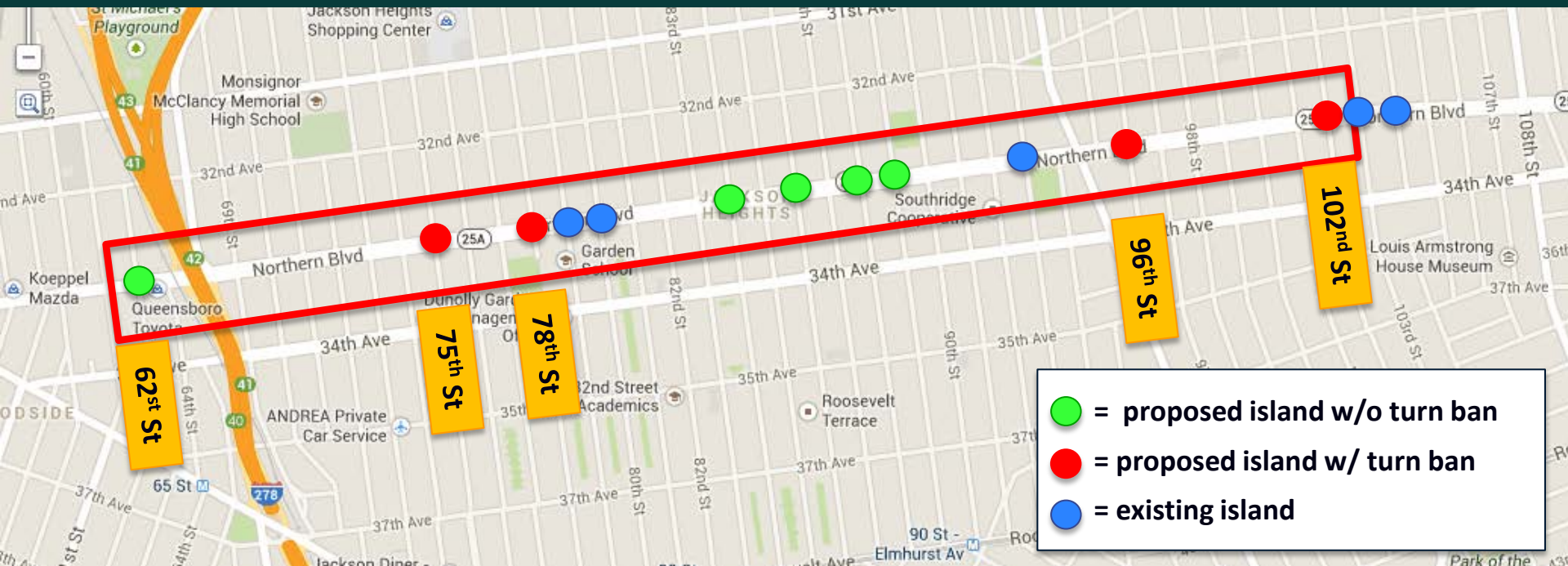


Northern Blvd Typical Configuration



# Proposal: Northern Blvd Turn Ban Locations

- To install islands at the pertinent crosswalk, left turns from Northern Blvd will be banned at 4 locations:
  - 75<sup>th</sup> St
  - 78<sup>th</sup> St
  - 96<sup>th</sup> St
  - 102<sup>nd</sup> St



# Northern Blvd and 75<sup>th</sup> Street Turn Ban

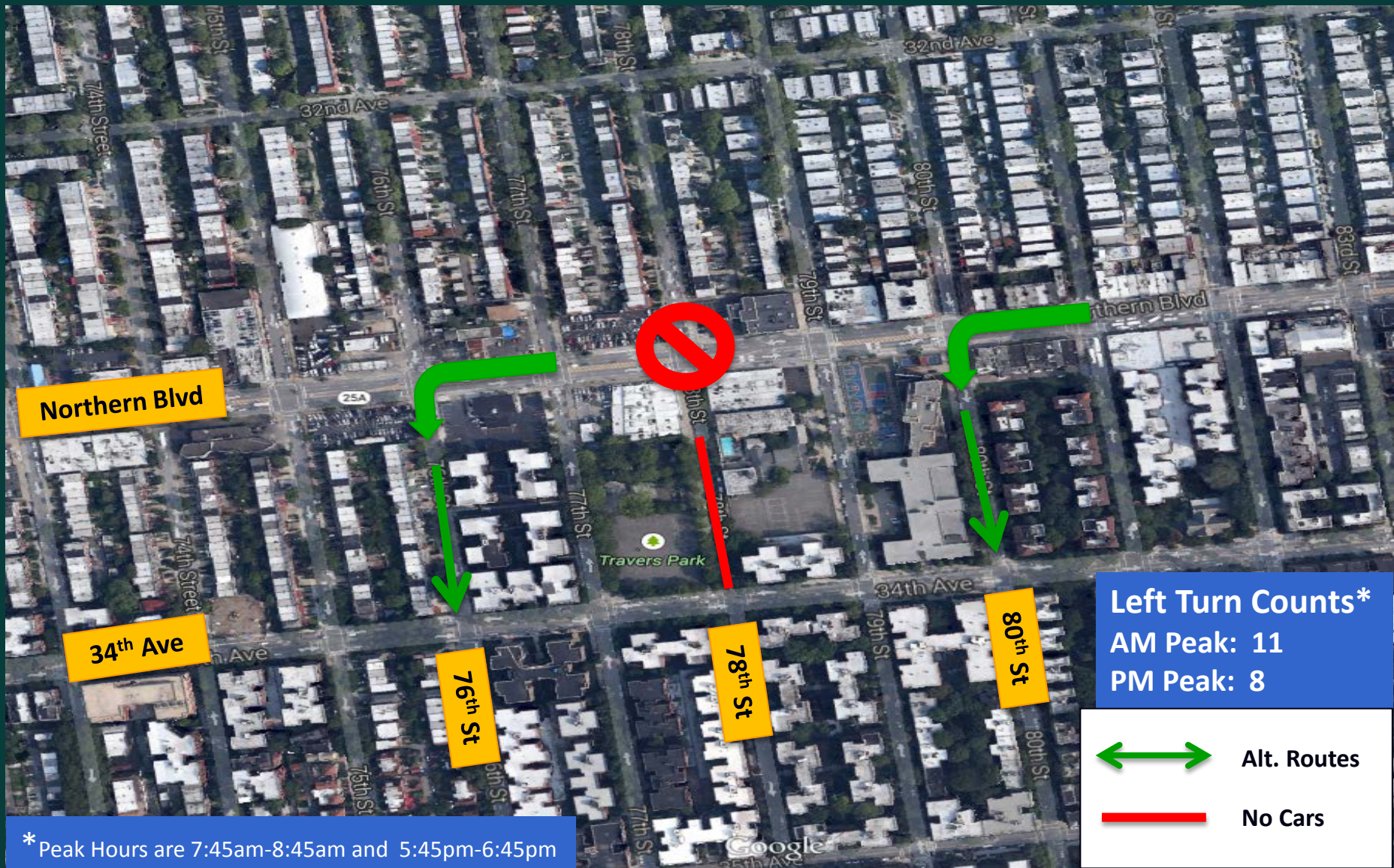
- Rerouting of WB left turning vehicles to 75<sup>th</sup> St and 34 Ave





# Northern Blvd and 78<sup>th</sup> Street Turn Ban

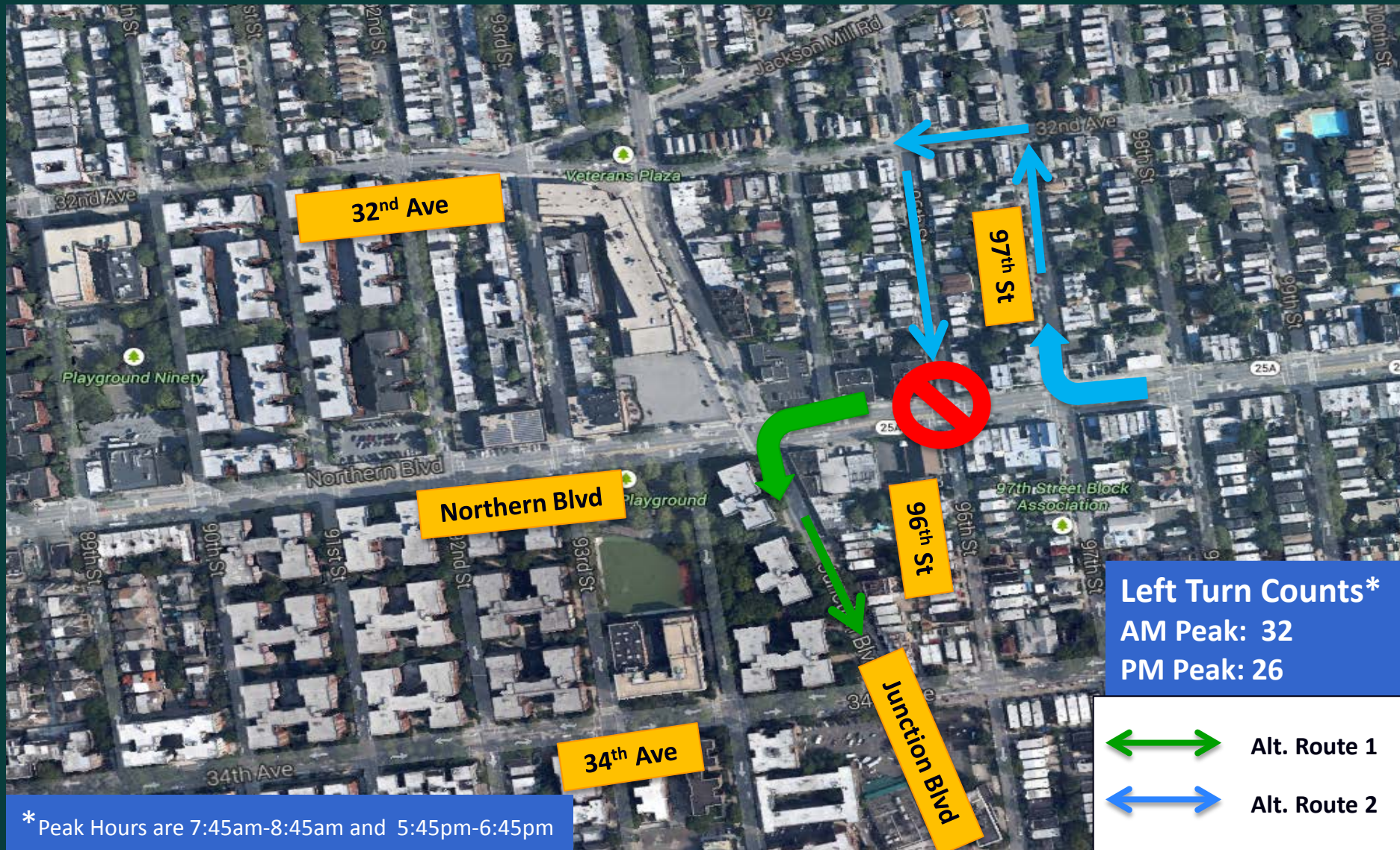
- Rerouting of WB left turning vehicles to 34<sup>th</sup> Ave





# Northern Blvd and 96<sup>th</sup> Street Turn Ban

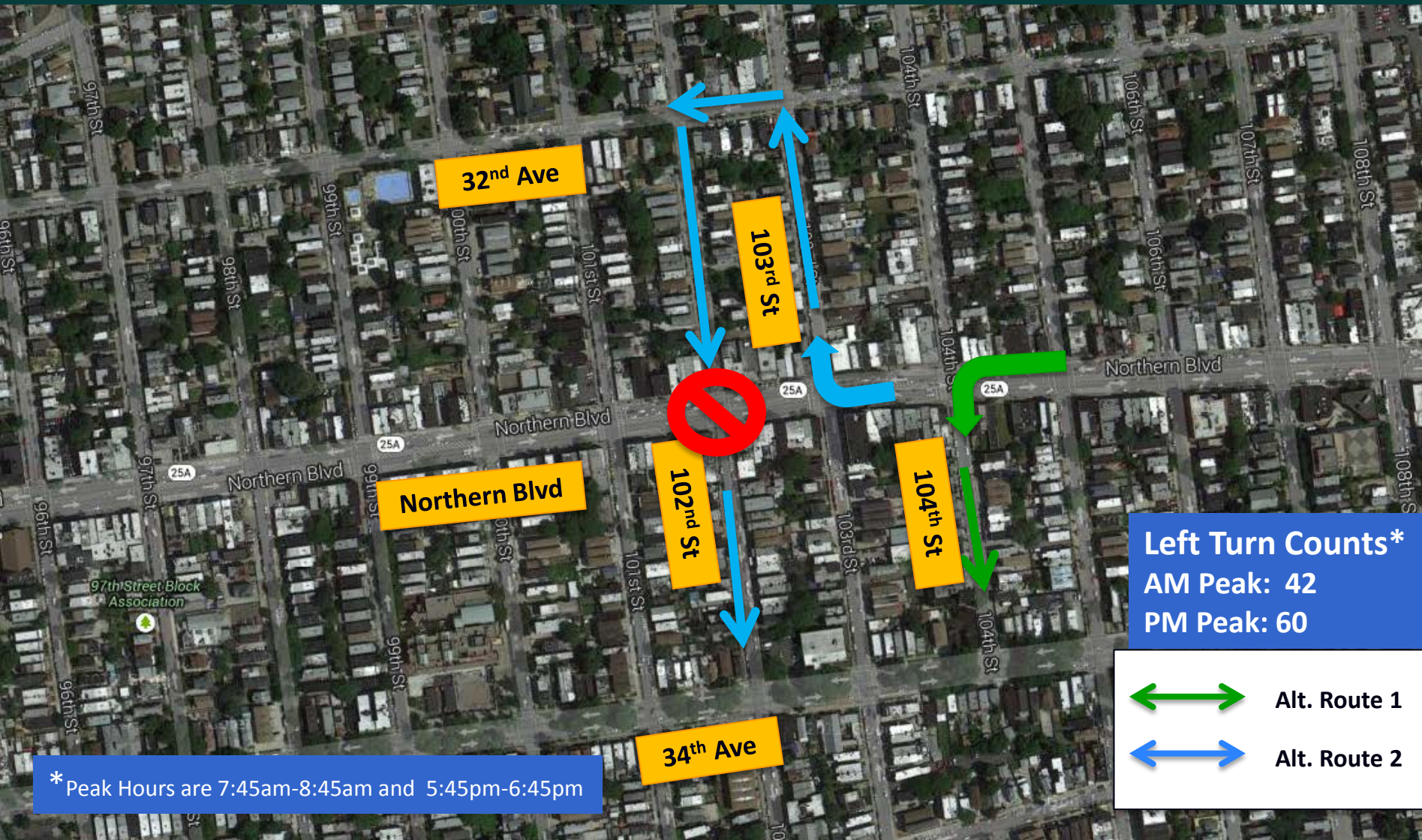
- Rerouting of WB left turning vehicles to 96<sup>th</sup> St and 34<sup>th</sup> Ave





# Northern Blvd and 102<sup>nd</sup> Street Turn Ban

- Rerouting of WB left turning vehicles to 102<sup>nd</sup> St and 34<sup>th</sup> Ave





# Benefits of Proposal

- Provides safer pedestrian crossings
- Creates simpler, safer left turns from cross streets
- Reduces motor vehicle and pedestrian conflict
- Redesigns 1.8 miles of a High Crash Corridor



Hillside Ave and 187 St—looking east



Questions?

**Thank  
You**