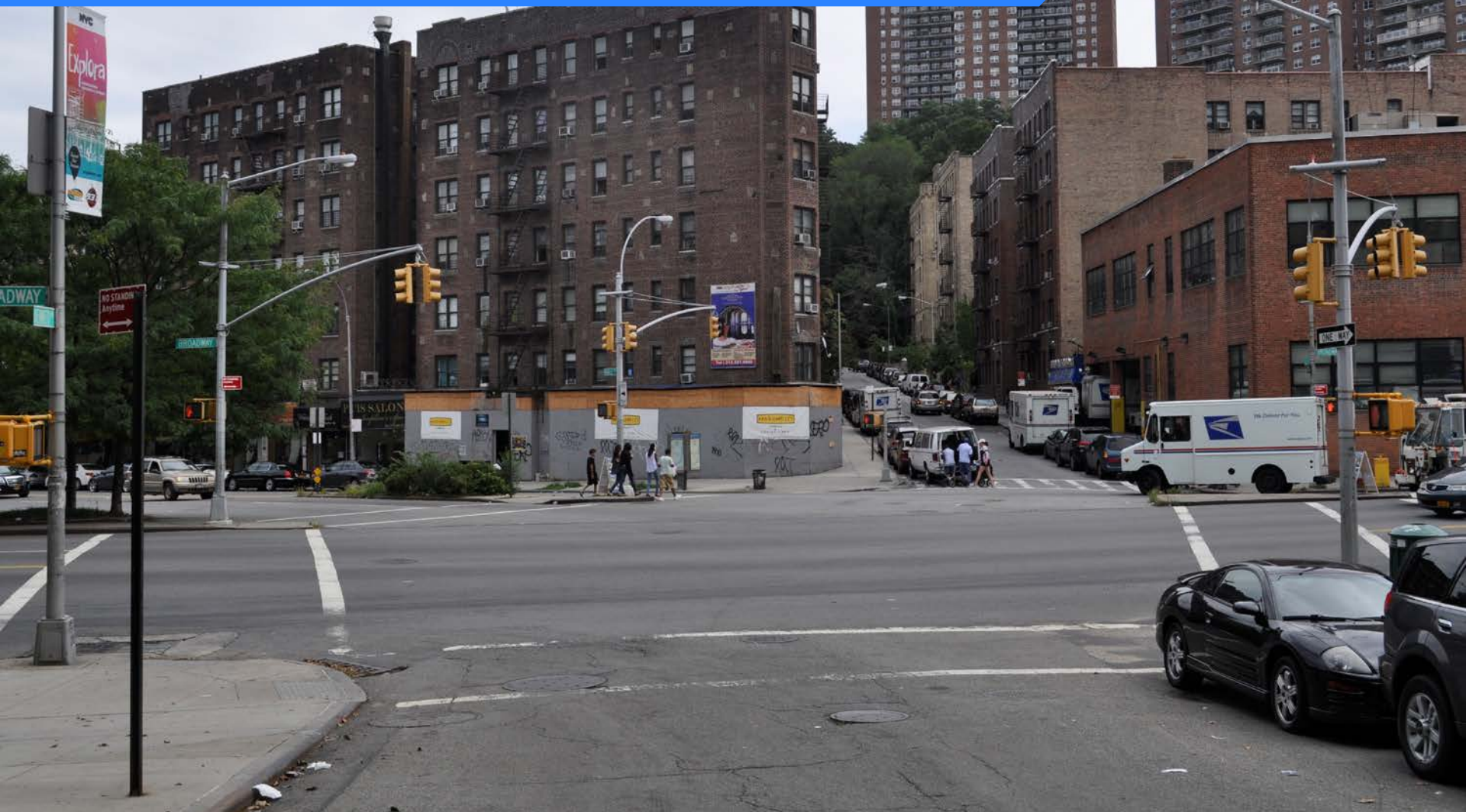


Broadway & Nagle Ave

Pedestrian Safety Improvement Project

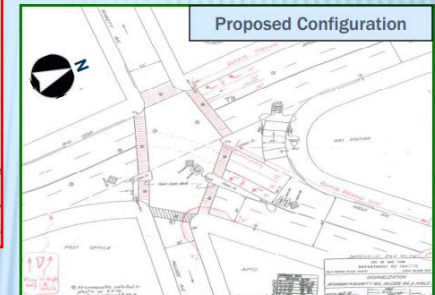
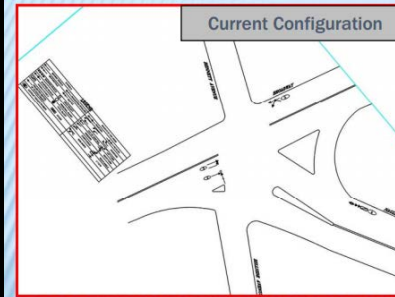


Commissioner Janette Sadik-Khan, New York City Department of Transportation
Presented by the Pedestrian Projects Group, November 4, 2013 to Manhattan Community Board 12

Project Background

- The Sherman Creek/Inwood Traffic Study, presented on April 5th 2010, developed recommendations for pedestrian safety at 16 critical intersections, including Broadway/Nagle/Hillside
- DOT presented Sherman Creek – Inwood Safety Improvements to CB 12 on May 2nd 2011; Broadway/Nagle/Hillside identified as future Department of Design and Construction (DDC) project
- DDC schedule: Final design to begin January 2014; Implementation Fall 2014

Accident Diagram and Proposed Improvement - Broadway & Nagle Ave & Hillside Ave -



1. Curb extension on South side
2. High visibility crosswalk
3. Pavement marking



26

Partially funded - future construction

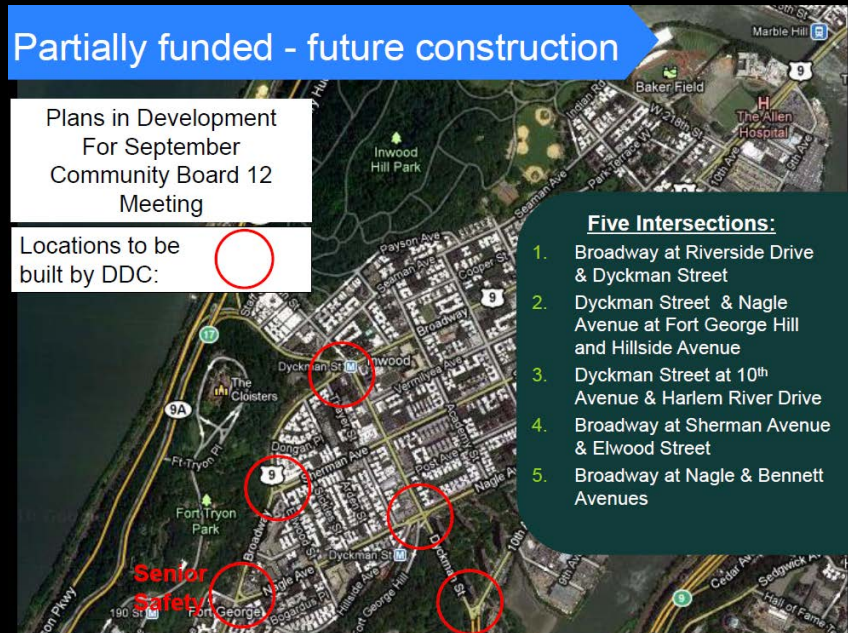
Plans in Development
For September
Community Board 12
Meeting

Locations to be
built by DDC:



Five Intersections:

1. Broadway at Riverside Drive & Dyckman Street
2. Dyckman Street & Nagle Avenue at Fort George Hill and Hillside Avenue
3. Dyckman Street at 10th Avenue & Harlem River Drive
4. Broadway at Sherman Avenue & Elwood Street
5. Broadway at Nagle & Bennett Avenues



Project Area



Fort Tryon Park & The Cloisters

M100
Bx7

← Sherman Ave →

The Salome Urena
de Henriquez School

← Nagle Ave →

PS 152

190th St
Station (A)

← Bennett Ave

PS 178

← Broadway →

Hillside Ave →



Existing Conditions



Existing Conditions

← Broadway →

Complicated multi-leg intersection with long crossings

100'

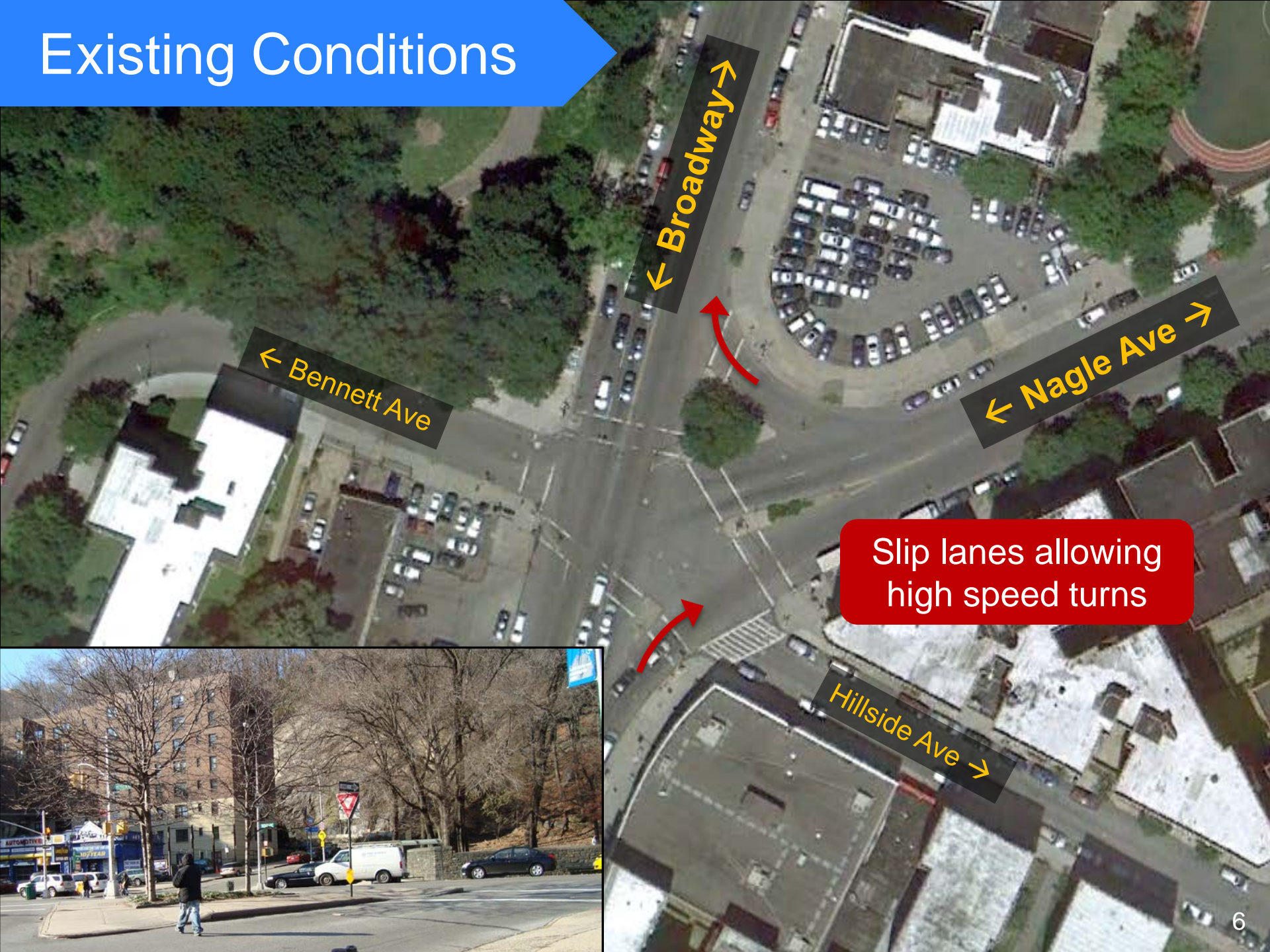
128'

102'

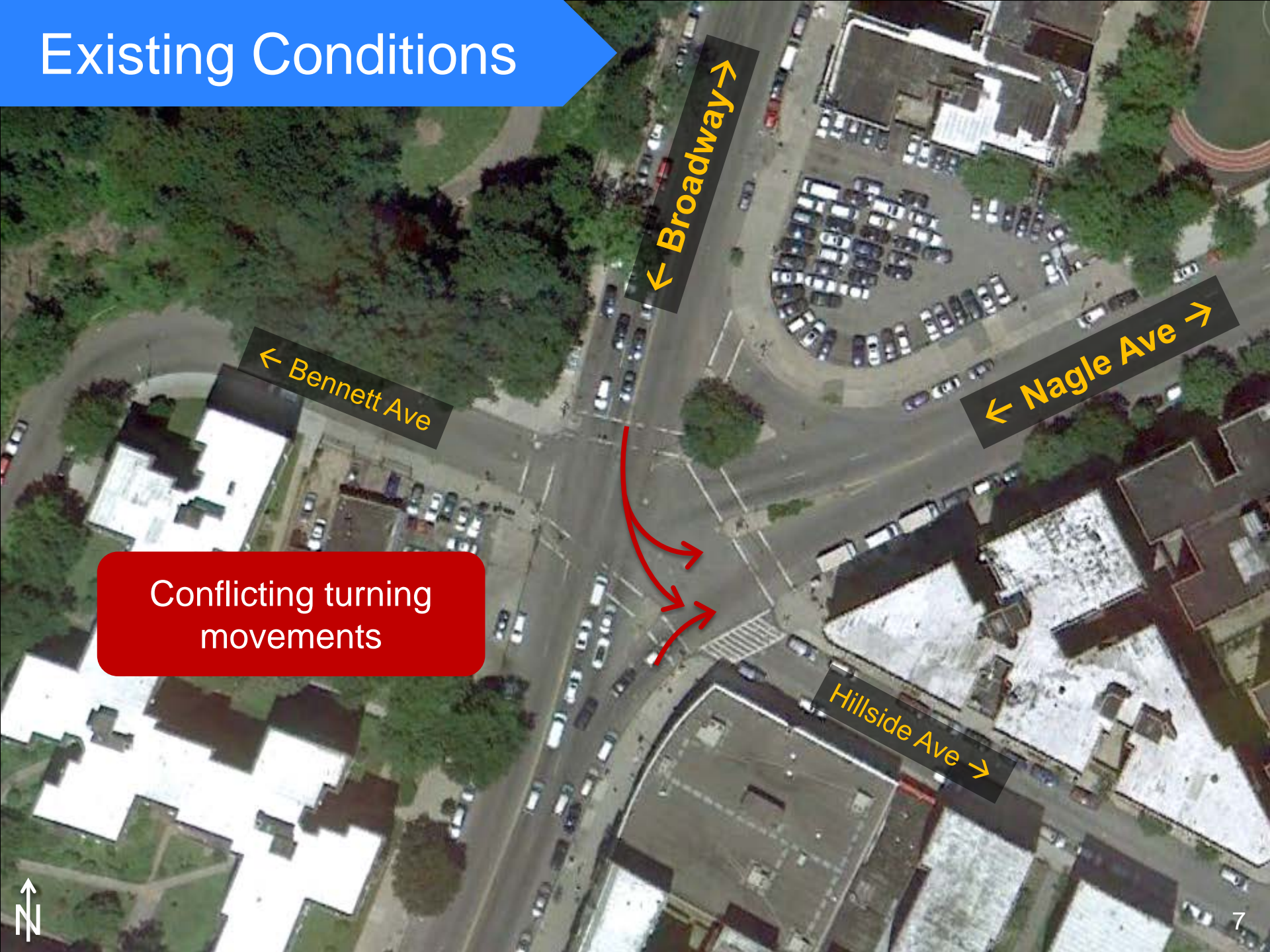
Existing island not ADA accessible



Existing Conditions



Existing Conditions



← Bennett Ave

← Broadway →

← Nagle Ave →

Hillside Ave →

Conflicting turning movements



Existing Conditions



Broadway Phase
33 secs



Nagle Ave Phase
15 secs



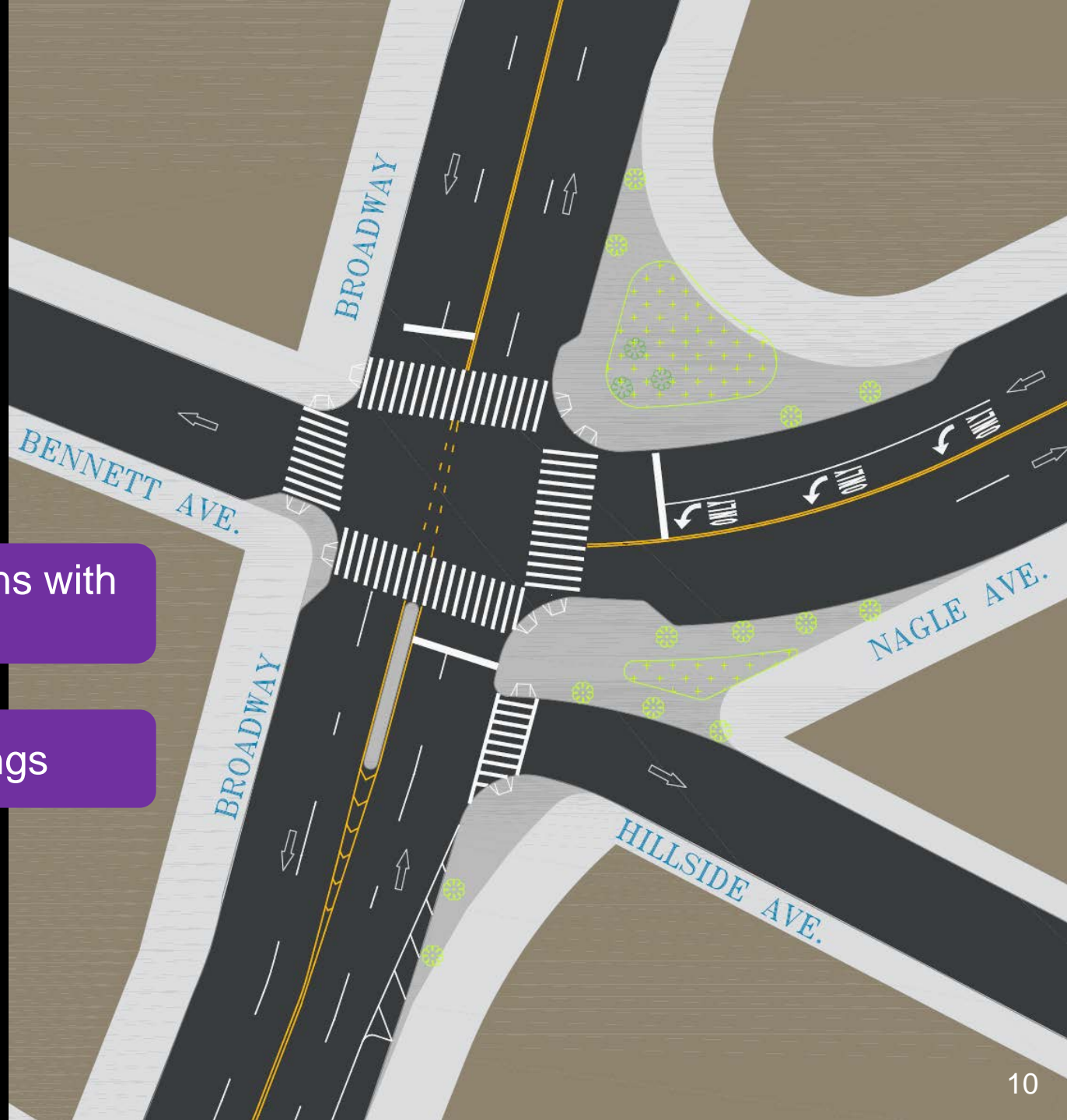
Pedestrian Phase
42 secs

Three phase signal creates long waiting period for all users

Proposal



Proposal



Sidewalk extensions with landscaping

Shorter crossings

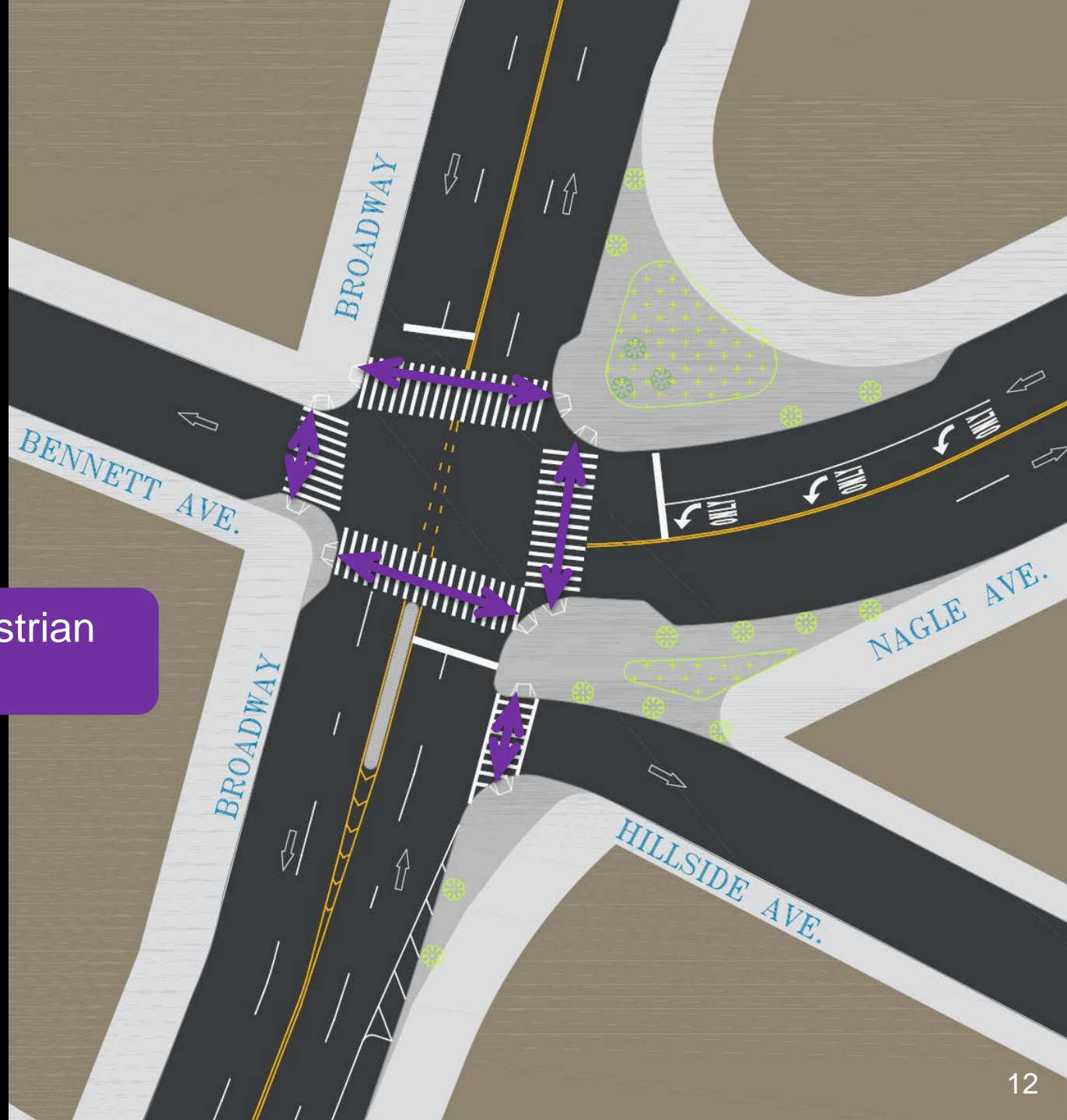
Proposal

Existing pedestrian paths



Proposal

More direct pedestrian paths



Proposal

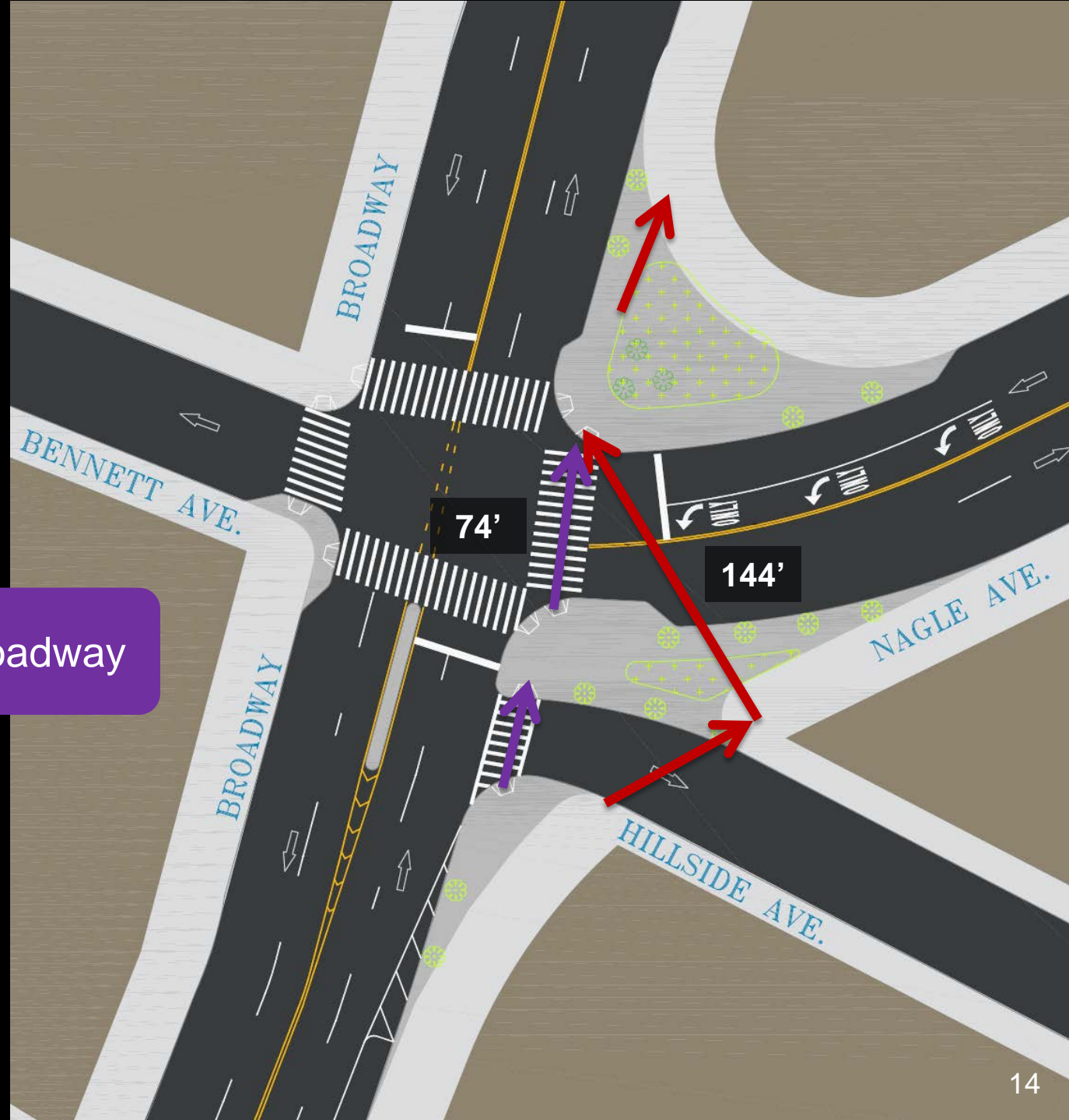
Northbound on Broadway

144'



Proposal

Northbound on Broadway



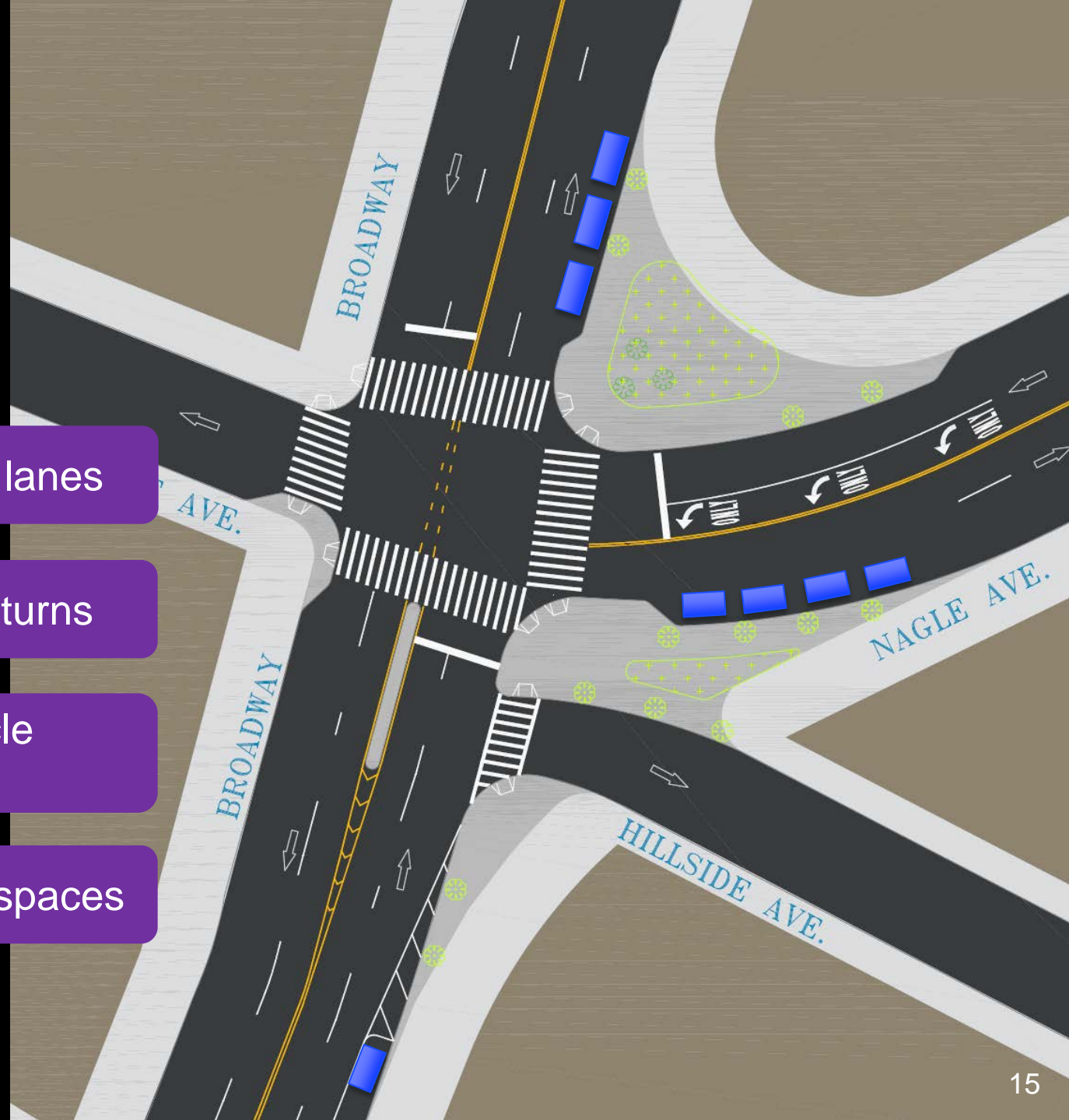
Proposal

Close slip turning lanes

Safer right-angle turns

Clarifies vehicle movements

Eight new parking spaces

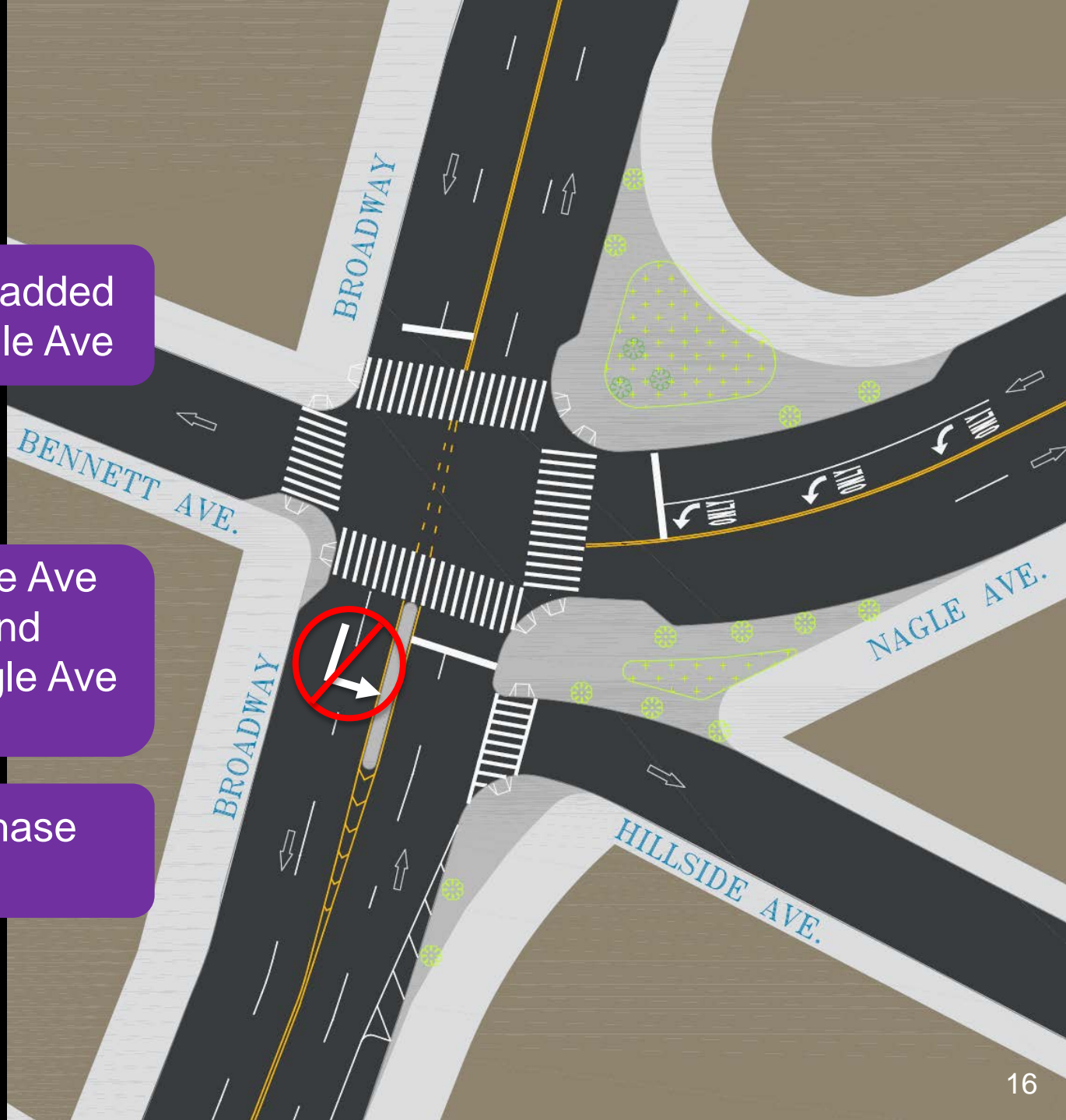


Proposal

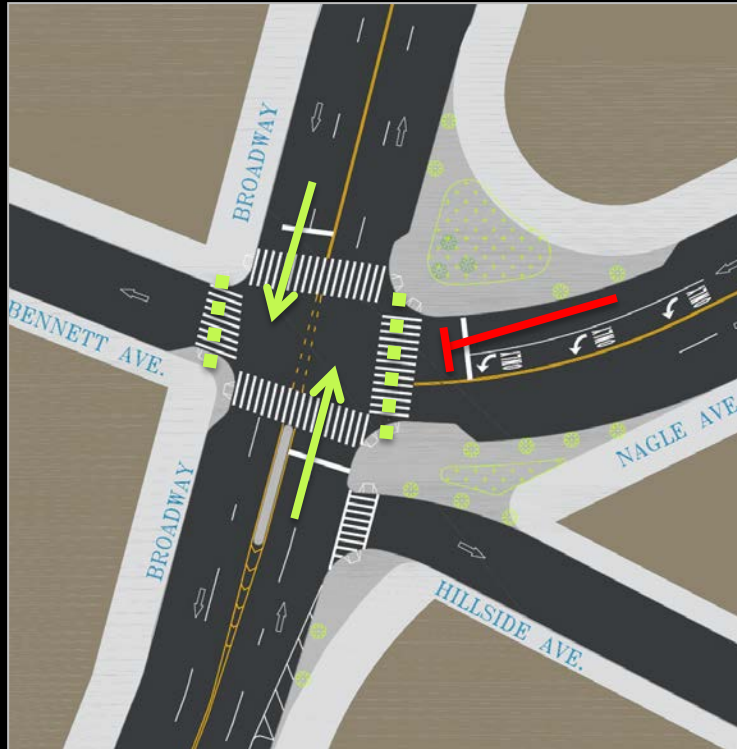
Left-turn only lane added to west bound Nagle Ave

Left-turn to Hillside Ave from southbound Broadway and Nagle Ave banned

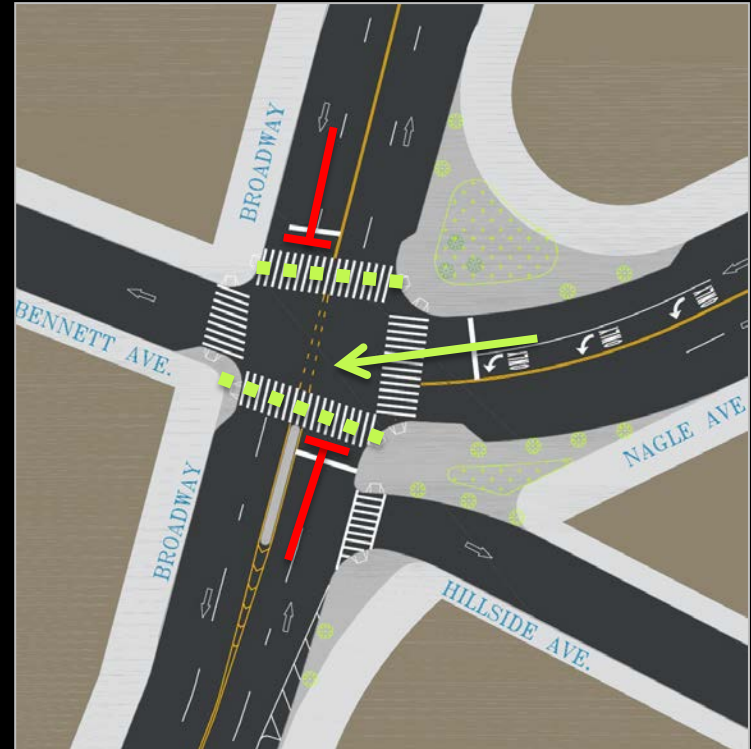
Simplified two-phase signal timing



Proposal



Broadway Phase



Nagle Ave Phase

More time for all vehicular movements

Rendering



Summary

1. Concrete sidewalk extensions with pedestrian ramps and landscaping
2. Install median on Broadway to ban left-turns from southbound Broadway and westbound Nagle Ave onto Hillside Ave
3. Mark left-turn only lane on Nagle Ave to Broadway
4. Install high visibility crosswalk markings
5. Simplified two-phase signal timing plan



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Thank
You

