

# 7<sup>th</sup> Avenue S at W 4<sup>th</sup> St and Waverly Pl Intersection Safety Improvements

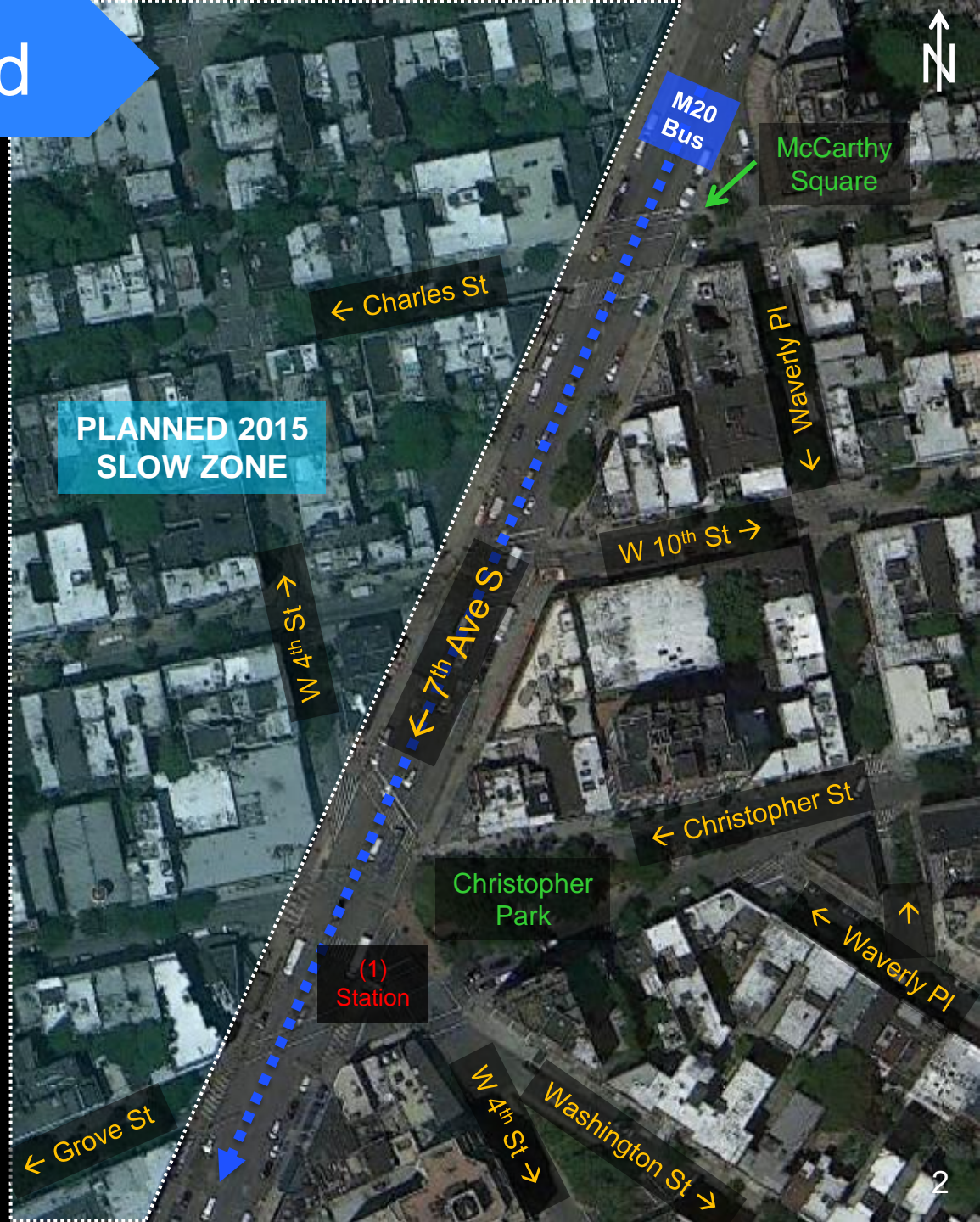
2015





# Project Background

- May 2010: CB2 resolution asking for pedestrian improvements at intersection of 7<sup>th</sup> Ave S and Christopher St/W 4<sup>th</sup> St and Grove St
- September 2012: NYPD requested closure of W 4<sup>th</sup> St between 7<sup>th</sup> Ave S and Grove St to improve safety
- September 2014: CB2 resolution requesting complete street study on 7<sup>th</sup> Ave between W 14<sup>th</sup> St and Canal St
- 2015 (planned): DOT to implement Neighborhood Slow Zone west of 7<sup>th</sup> Ave S





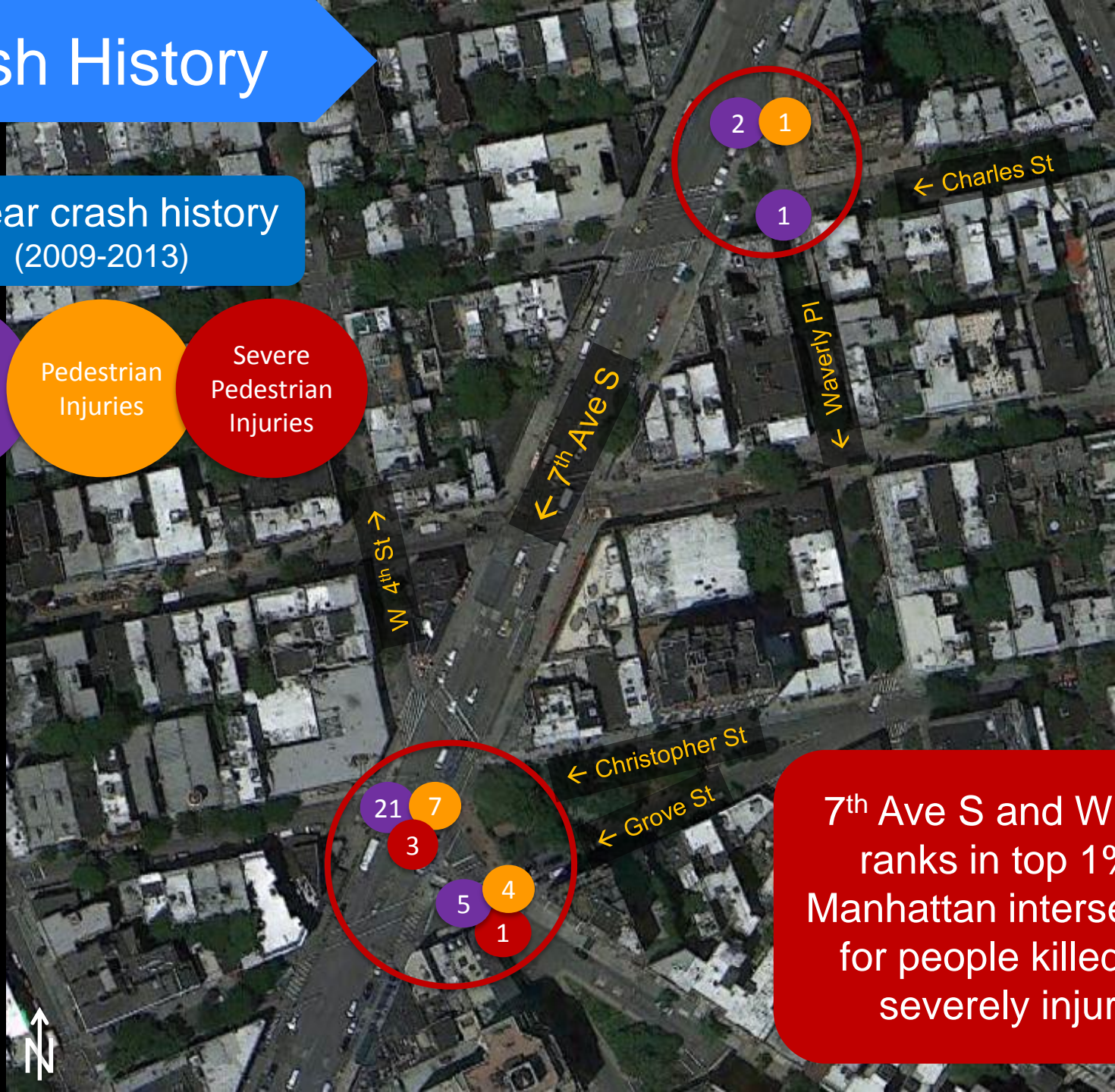
# Crash History

5-year crash history  
(2009-2013)

Total  
Injuries

Pedestrian  
Injuries

Severe  
Pedestrian  
Injuries



7th Ave S and W 4th St  
ranks in top 1% of  
Manhattan intersections  
for people killed and  
severely injured





# Existing Conditions

Soft-angle left turns from 7<sup>th</sup> Ave S can be taken at higher speeds





# Existing Conditions

Missing crosswalks  
along pedestrian desire  
lines



At 7<sup>th</sup> Ave S looking west toward Christopher St



At Waverly Pl looking north toward 7<sup>th</sup> Ave S



# Existing Conditions: W 4<sup>th</sup> Street

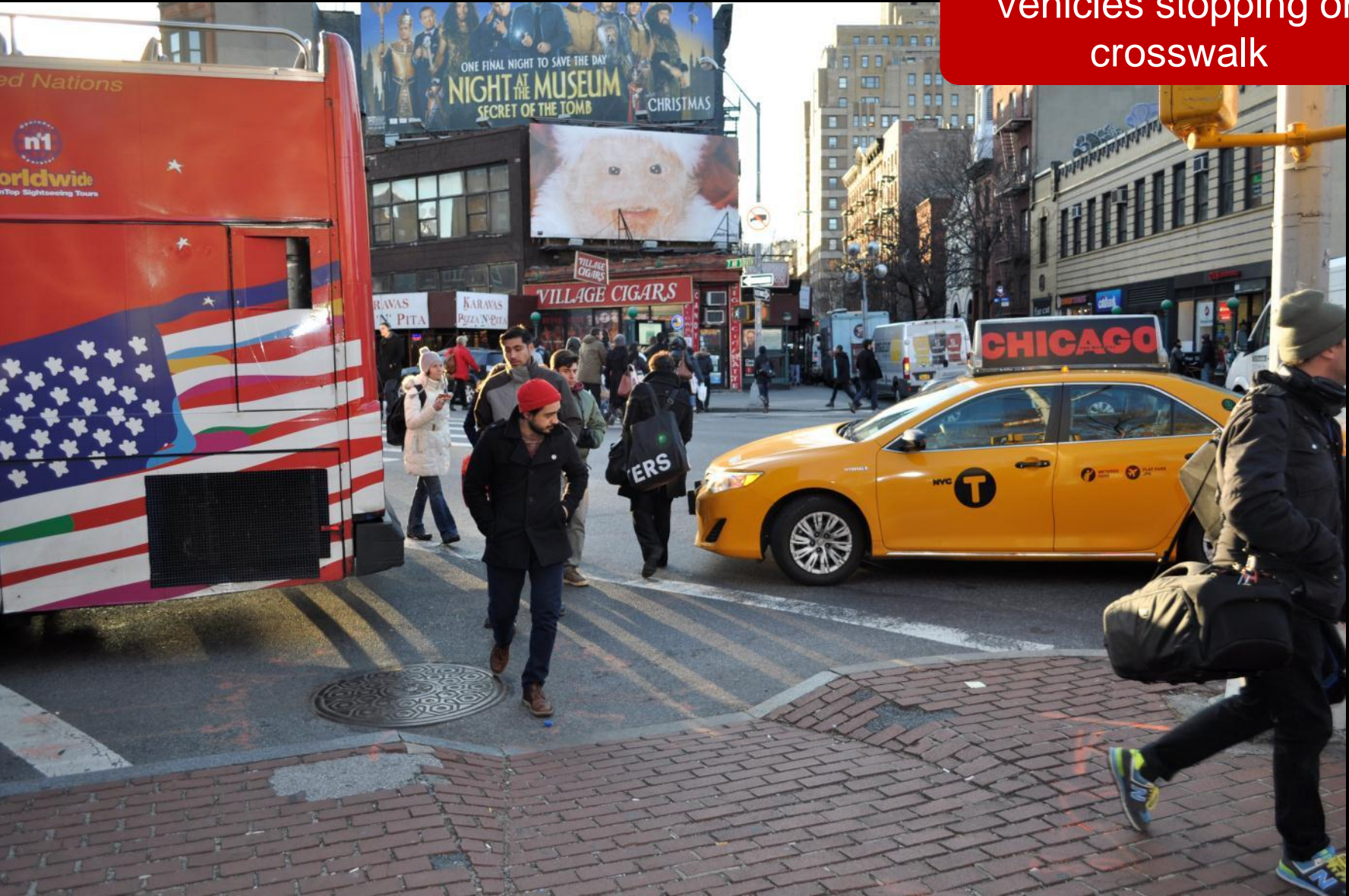
Conflicting pedestrian signals with poor compliance

Vehicles taking soft-turn at higher speeds



# Existing Conditions

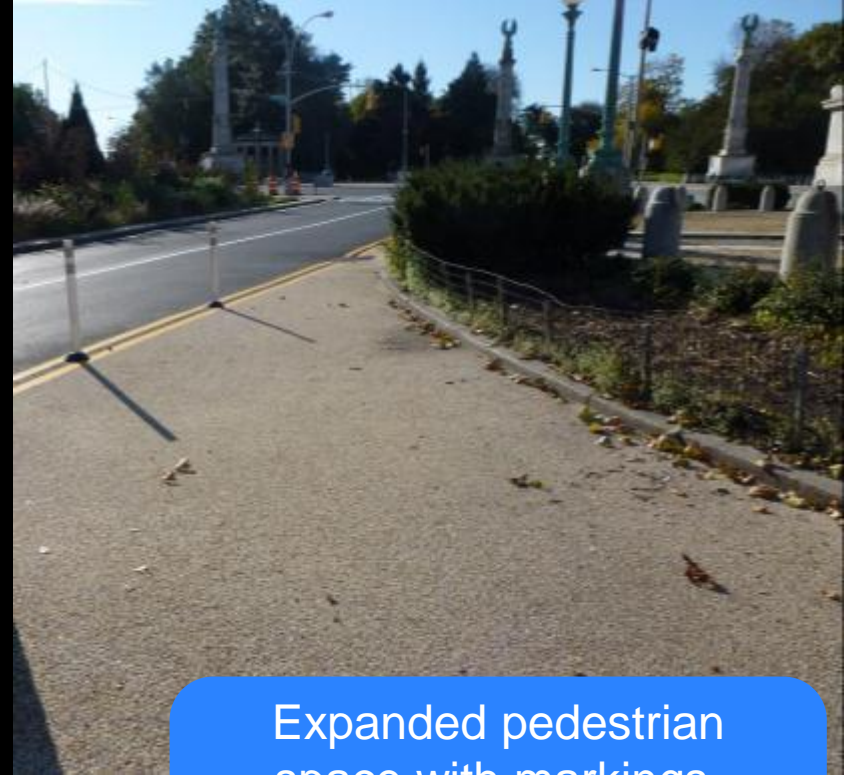
Vehicles stopping on crosswalk





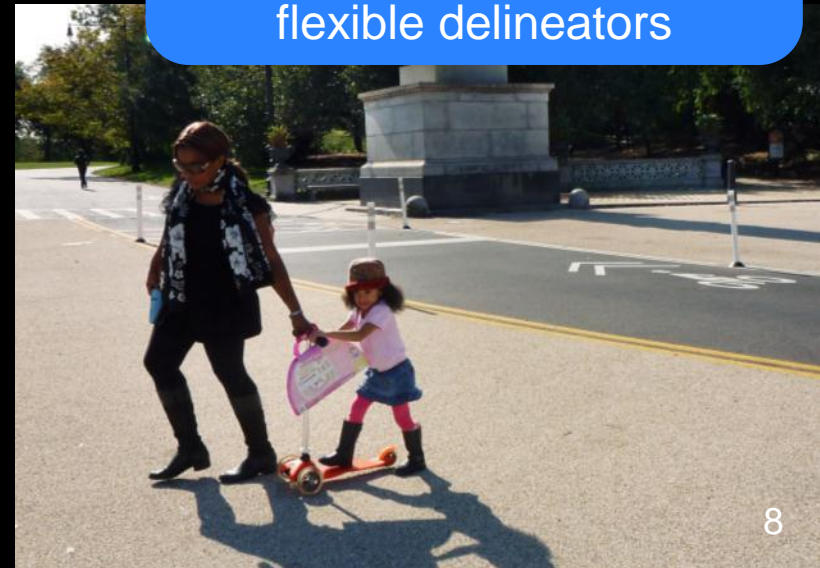
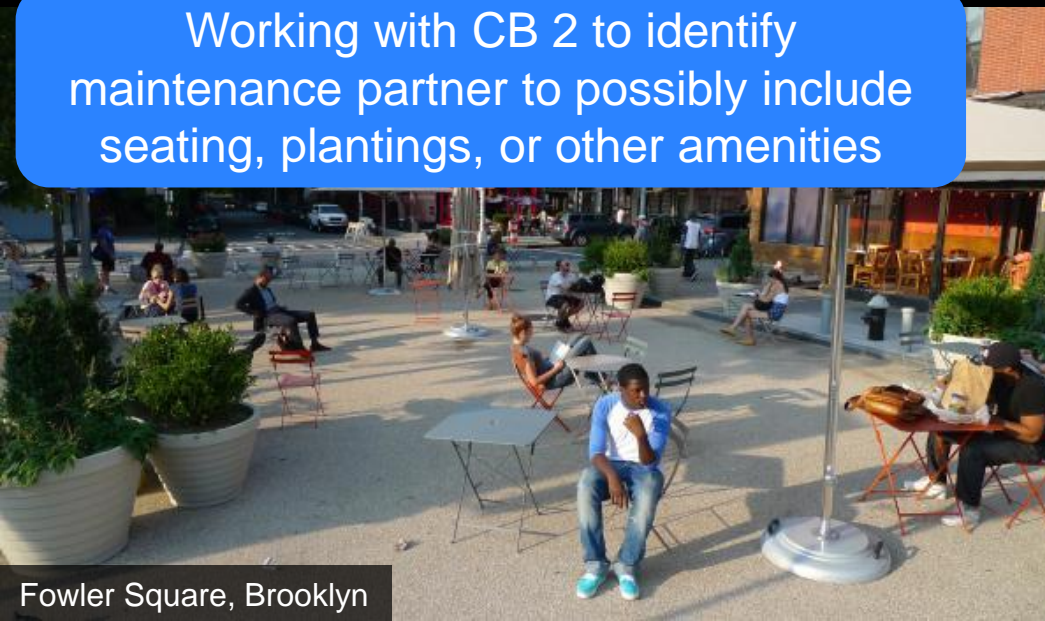
# Rapid Response Toolkit

New markings



Expanded pedestrian space with markings, epoxied gravel surface and flexible delineators

Working with CB 2 to identify maintenance partner to possibly include seating, plantings, or other amenities





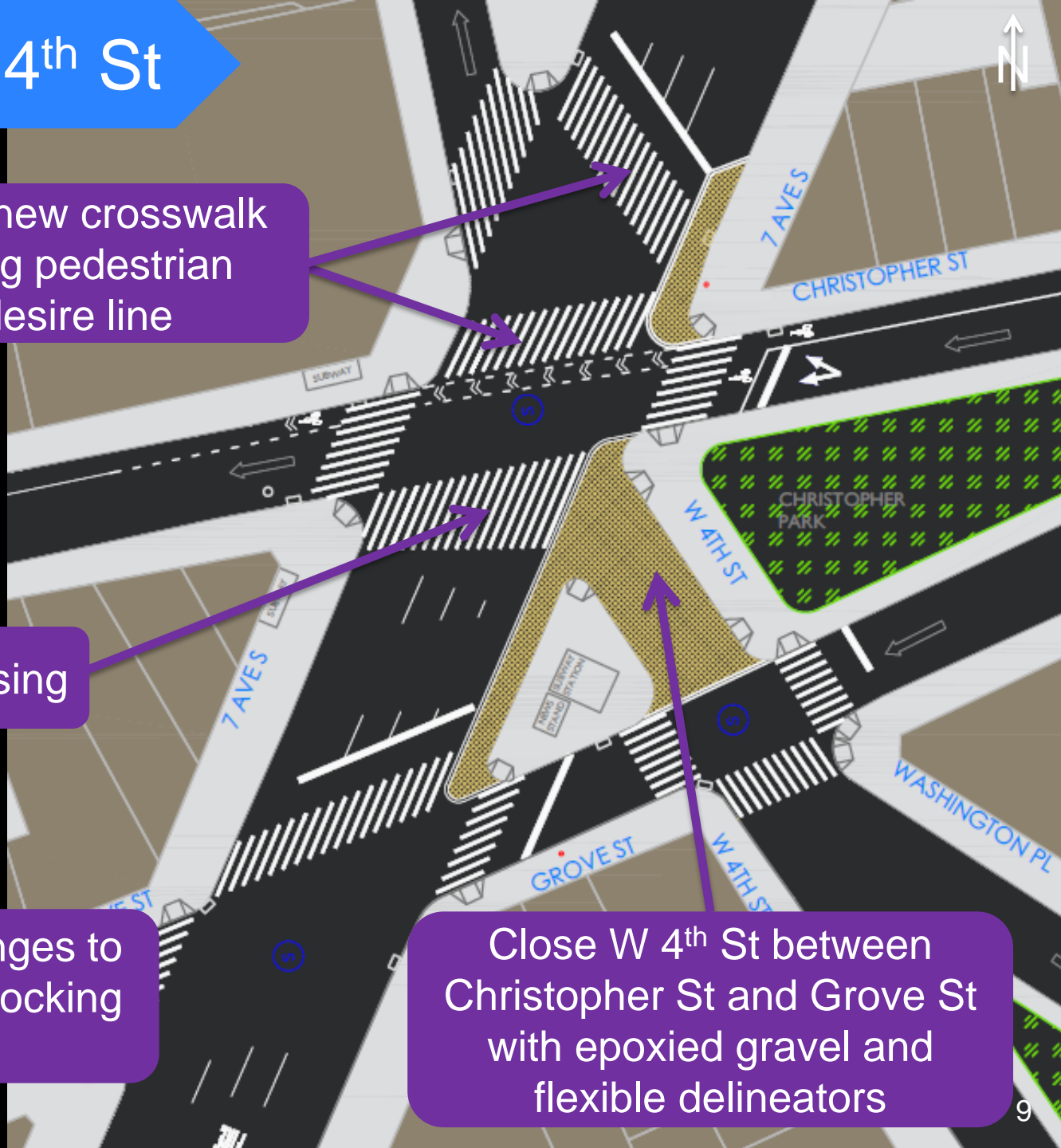
# Proposal – W 4<sup>th</sup> St

Mark new crosswalk along pedestrian desire line

Shorter crossing

Signal timing changes to reduce vehicles blocking intersection

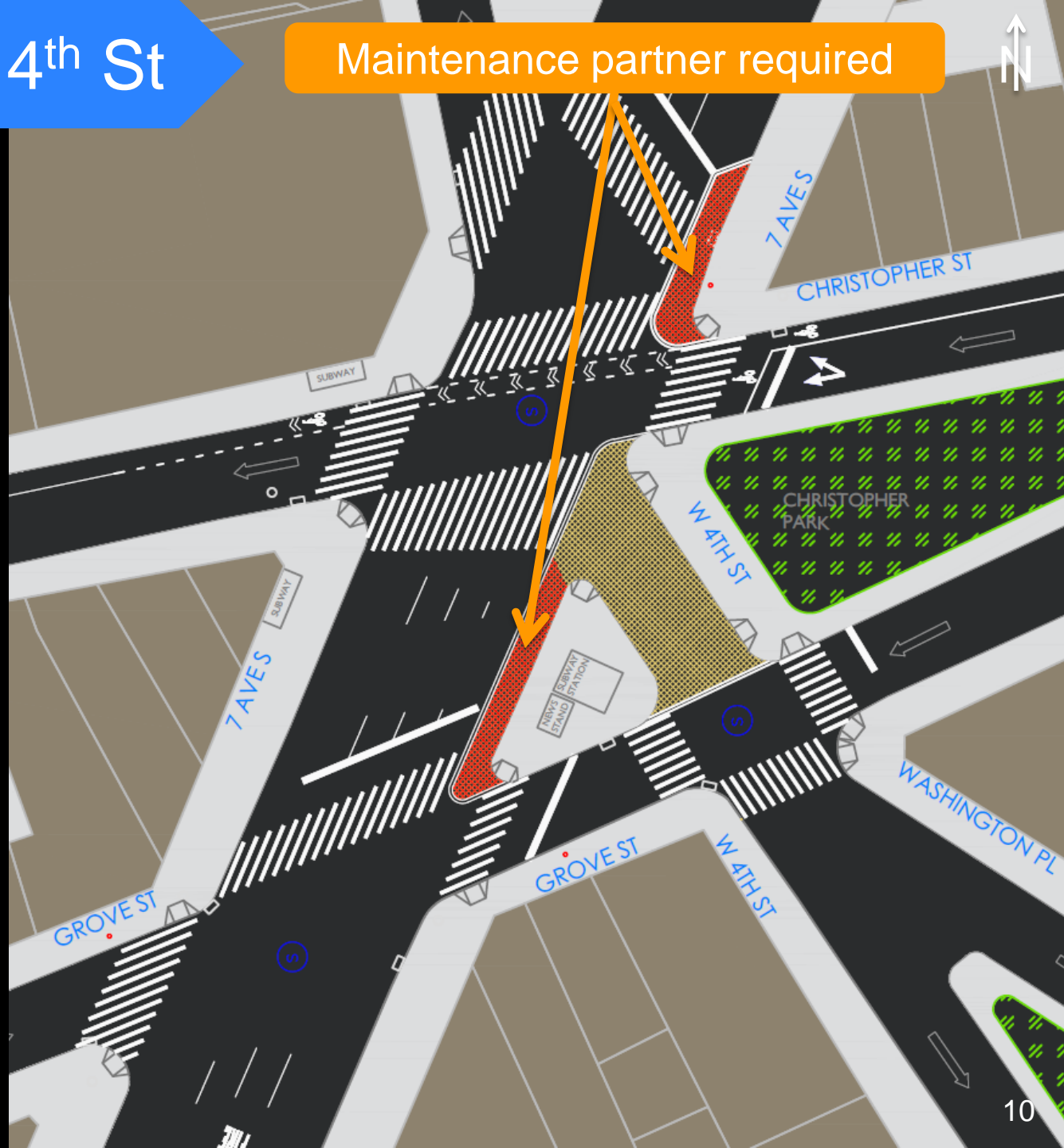
Close W 4<sup>th</sup> St between Christopher St and Grove St with epoxied gravel and flexible delineators





# Proposal – W 4<sup>th</sup> St

Maintenance partner required





# Existing





Proposed





# Proposal – Waverly Pl

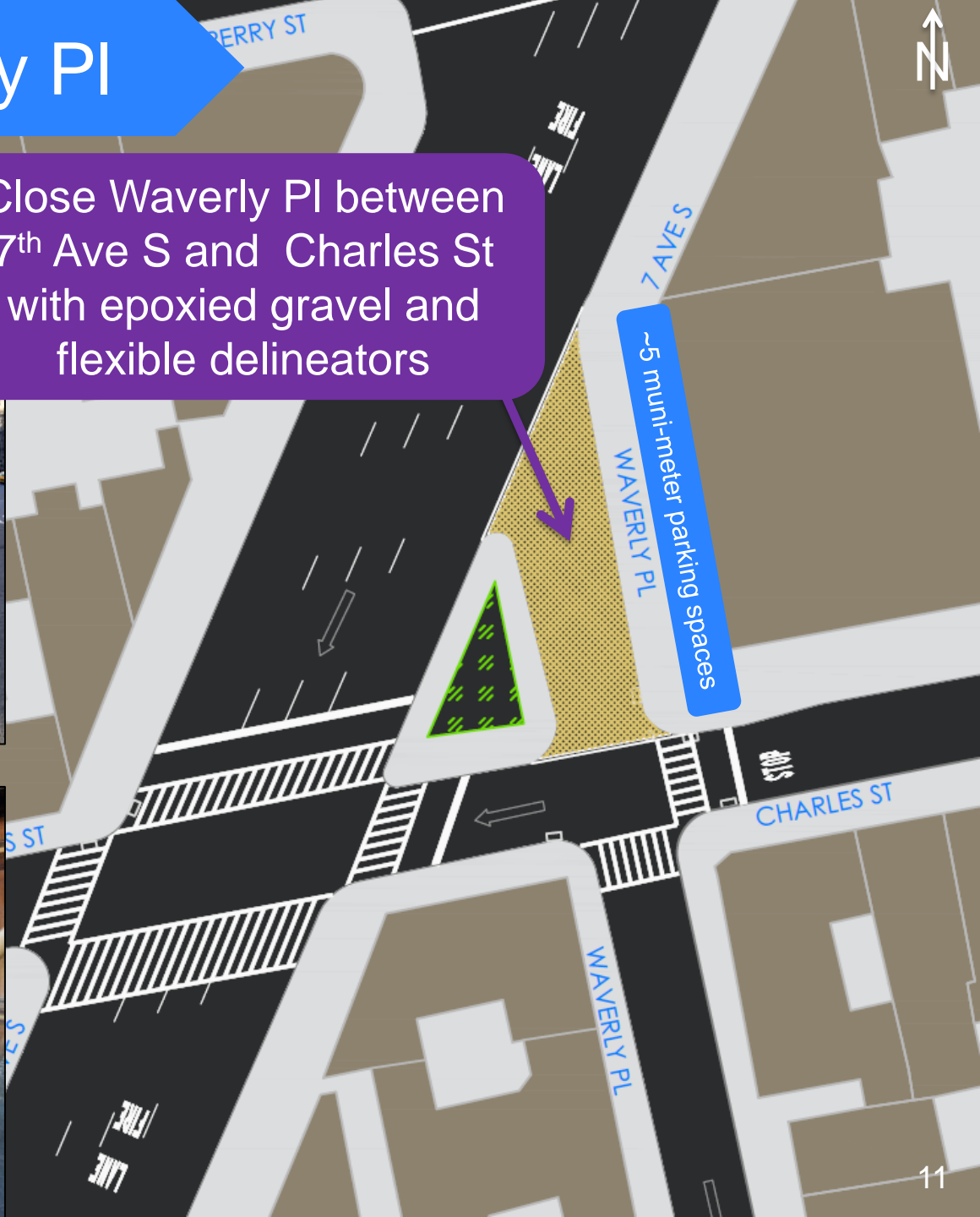
Close Waverly Pl between 7<sup>th</sup> Ave S and Charles St with epoxied gravel and flexible delineators



Adjacent triangle with Greenstreet



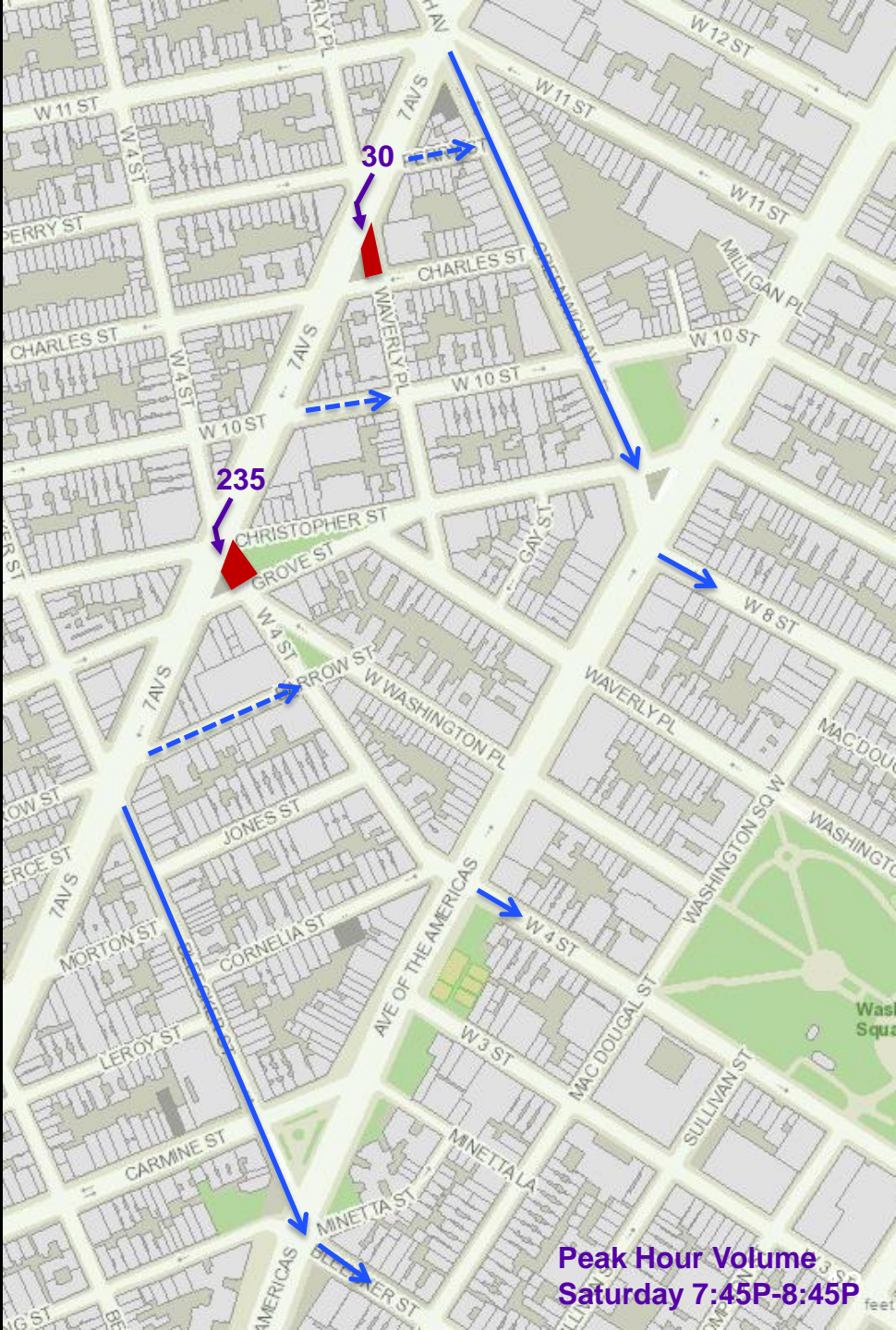
Adjacent restaurant with sidewalk seating





# Diversion Plan

Advance signage to encourage crosstown traffic to use Greenwich Ave



Peak Hour Volume  
Saturday 7:45P-8:45P



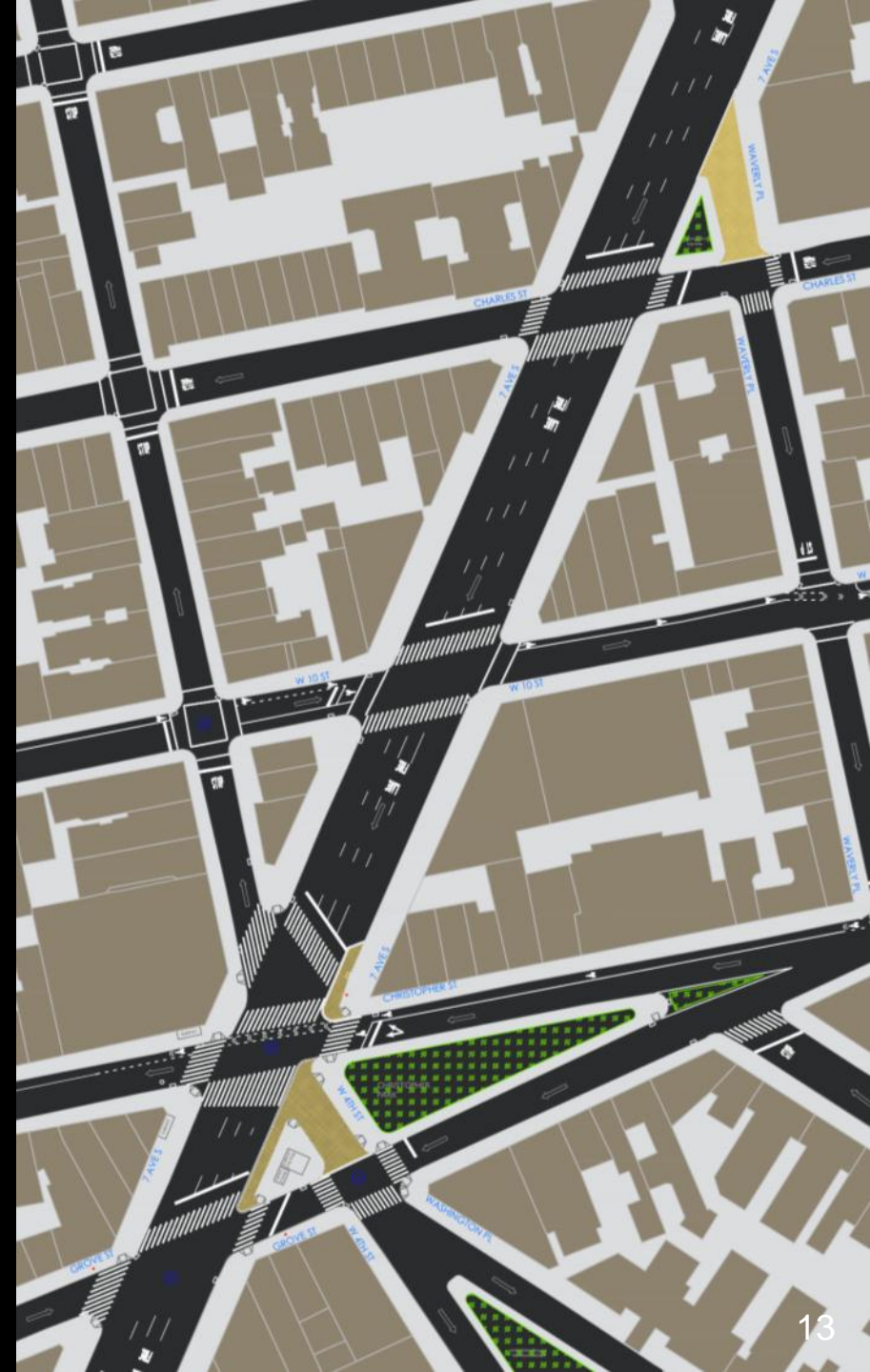
# Summary

## Expected benefits:

1. Shorter, safer crossings
2. Reduced vehicle turning conflicts with pedestrians
3. Improved pedestrian environment and connectivity of adjacent pedestrian spaces
4. Traffic calming

## Actions:

1. Close W 4<sup>th</sup> St between Christopher St and Grove St and create pedestrian space
2. Close Waverly Pl between 7<sup>th</sup> Ave S and Charles St and create pedestrian space
3. Install new crosswalk across 7<sup>th</sup> Ave S on north side of Christopher St
4. Add signage for alternate routes
5. Install high visibility crosswalks
6. Improve signal coordination







[nyc.gov/dot](https://nyc.gov/dot)

Thank  
You