

# Broadway at W. 96<sup>th</sup> Street

## Pedestrian Safety Improvements

2014





# Project Background

## Fatalities

- Alexander Shear, January 10, 2014
- Samantha Lee, January 19, 2014

## Injuries (2008-2012)

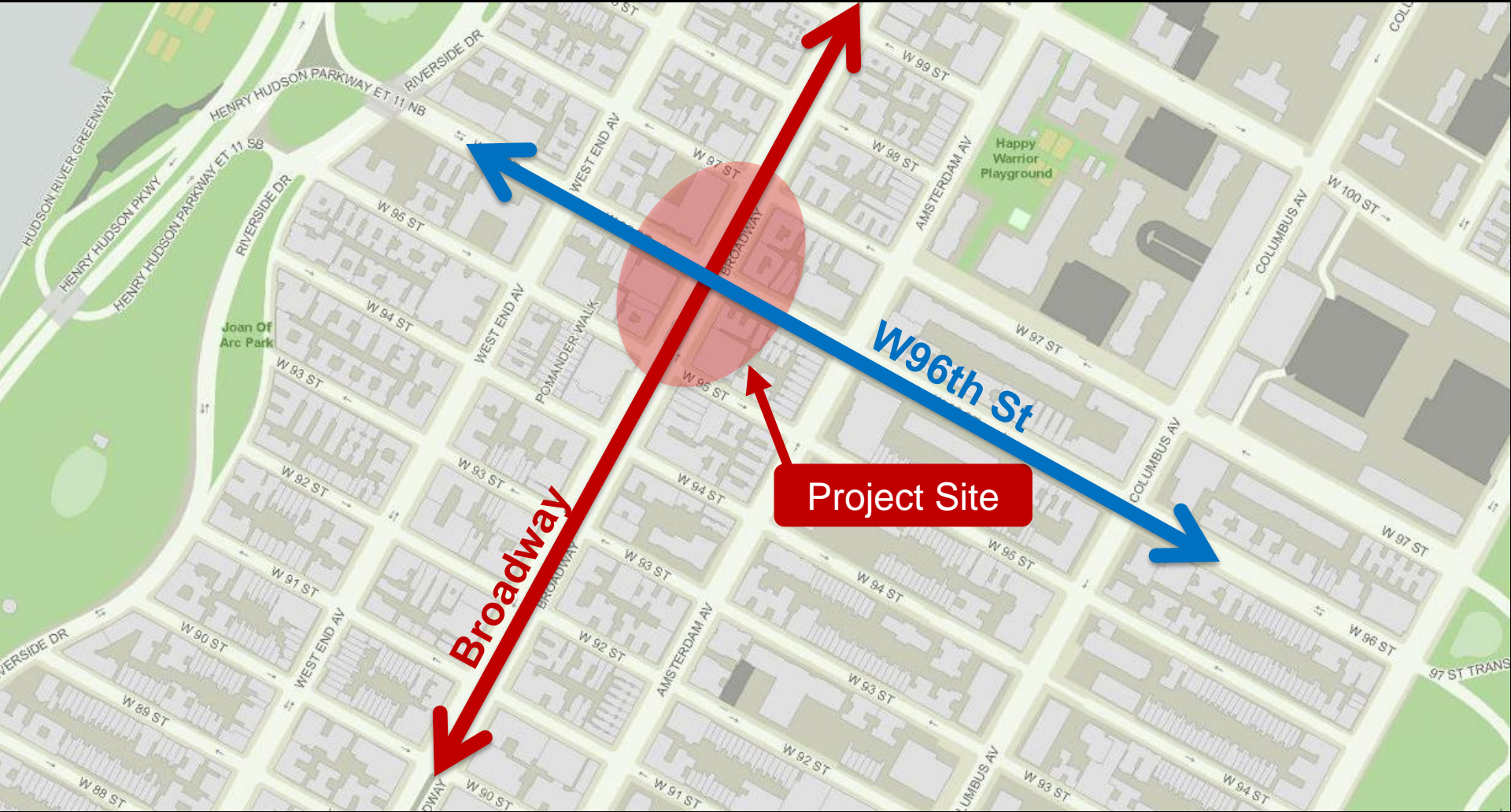
- Zero severe injuries
- 52 total injuries, 20 pedestrian

## Broadway Left Turns

- Banned from Broadway 7am-7pm prior to November 2003

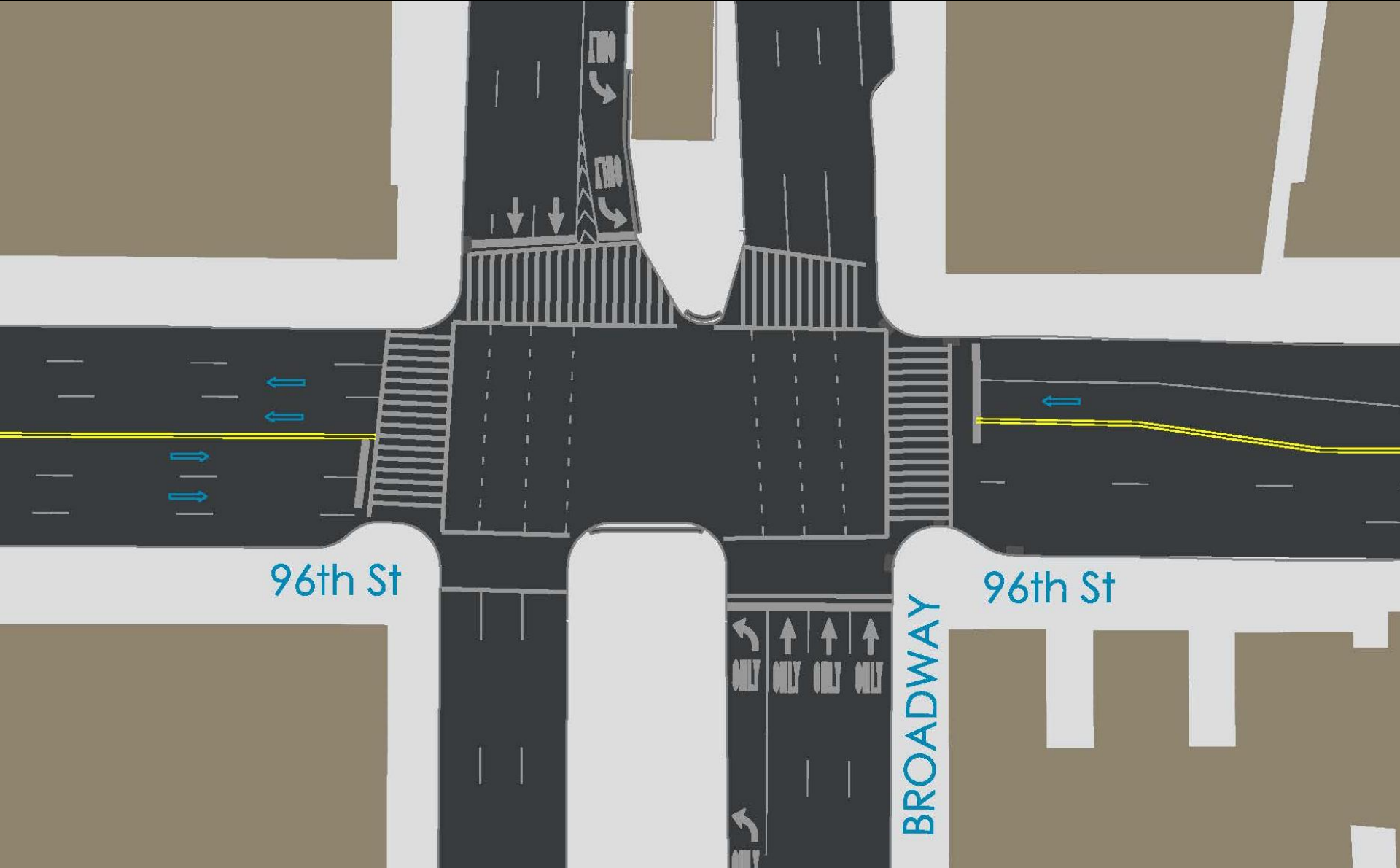


# Project Area





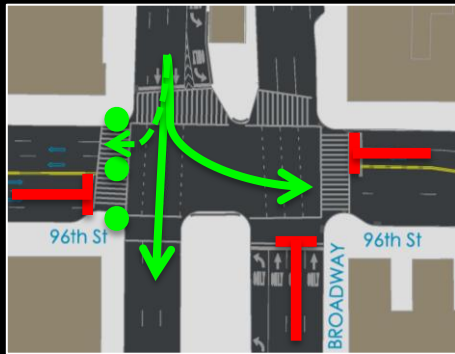
# Existing Conditions



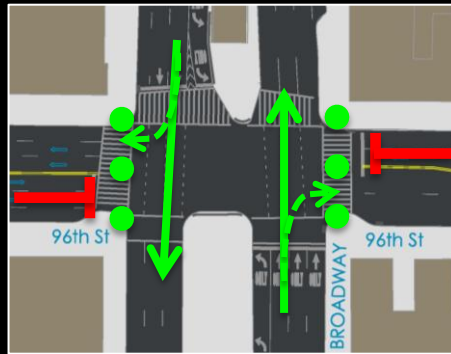
# Existing Signal Phasing

Legal trip from NW corner to Subway may have initial delay of 47 seconds

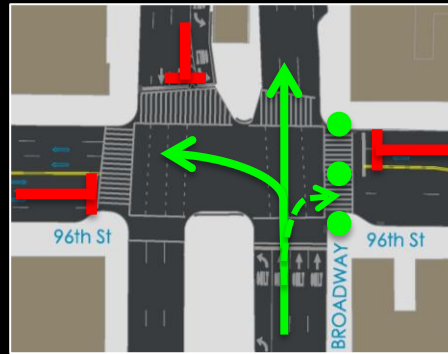
Trip may take as long as 1 minute 45 seconds



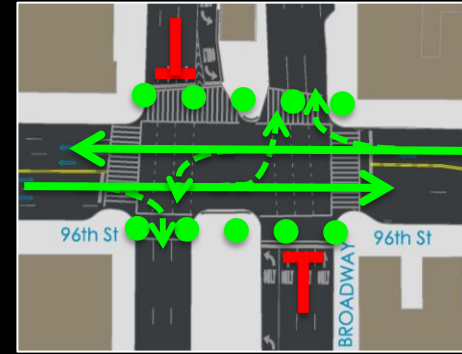
Phase A: 15 secs



Phase B: 28 secs



Phase C: 15 secs

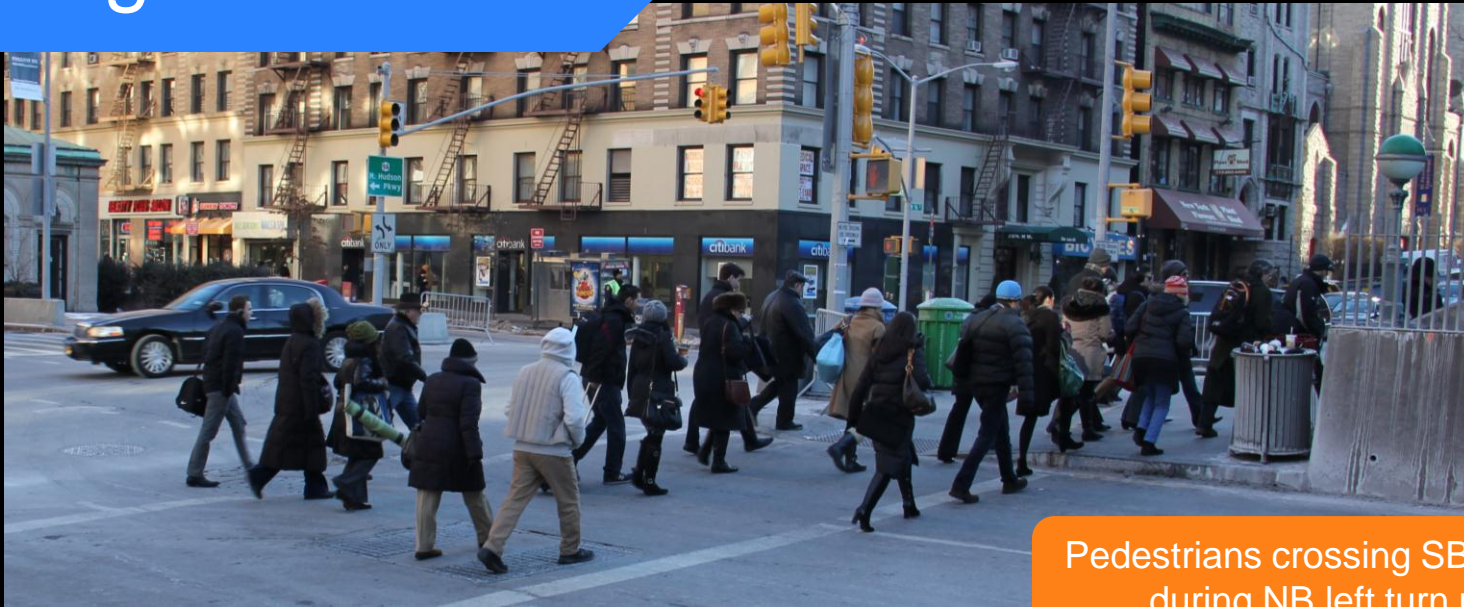


Phase D: 32 secs





# Existing Conditions



Pedestrians crossing SB Broadway during NB left turn phase



Pedestrians crossing NB Broadway during NB phase when they see a gap



# Existing Conditions

Pedestrians cross median to median when they think there is a gap



# Proposed Plan

1. Two left turns banned:  
SB Broadway to EB  
W96<sup>th</sup> and WB W96<sup>th</sup> St  
to SB Broadway

2. Expanded  
pedestrian  
space on north  
mall

3. New mall to  
mall crosswalk

4. New flush  
median & lane  
designations for  
W. 96<sup>th</sup> St

5. Simpler signal  
phasing...

96th St

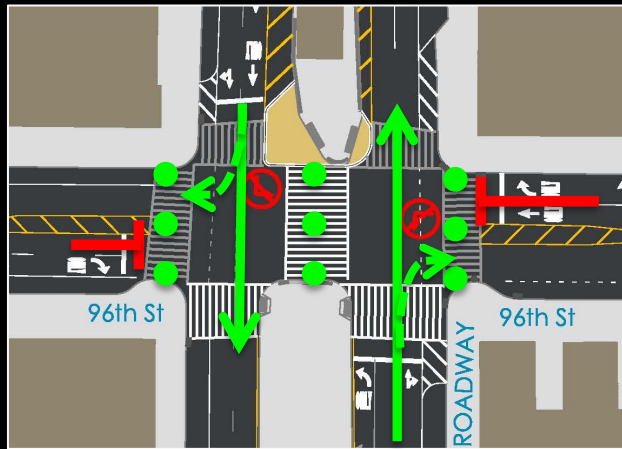
96th St

BROADWAY

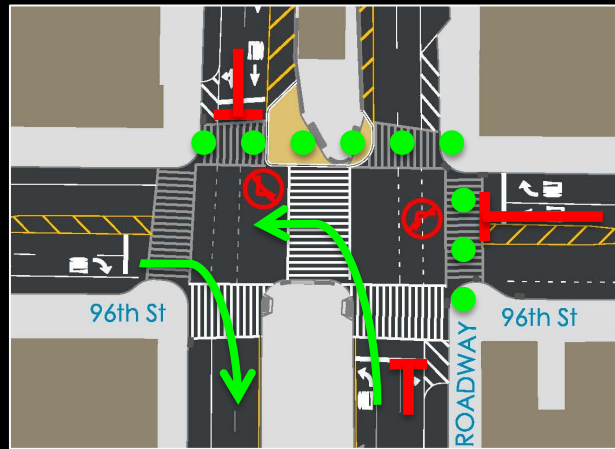




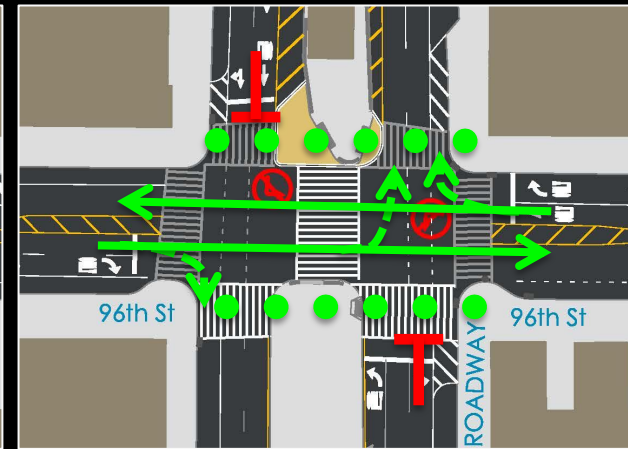
# Proposed Signal Phasing



Phase A: 43 secs



Phase B: 15 secs

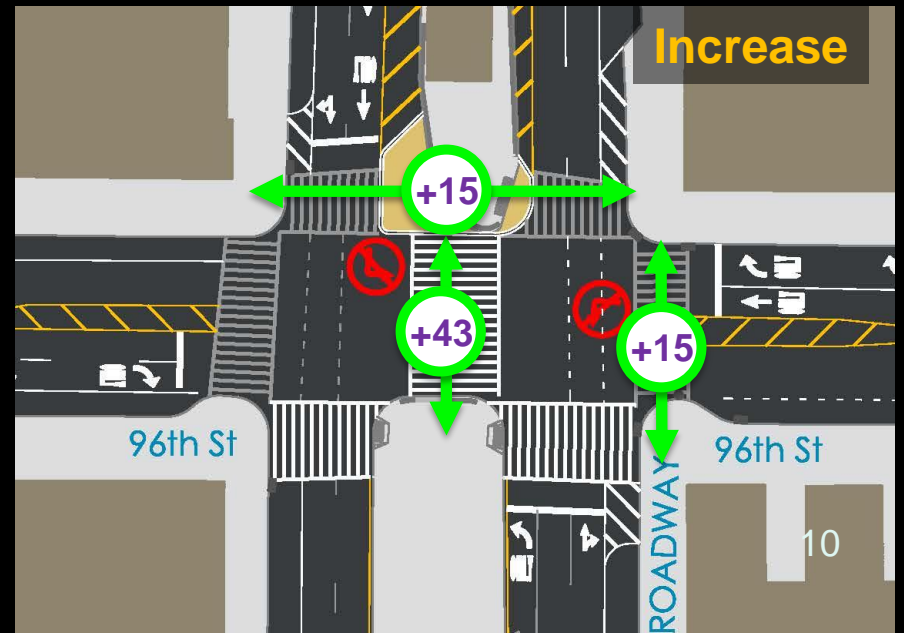
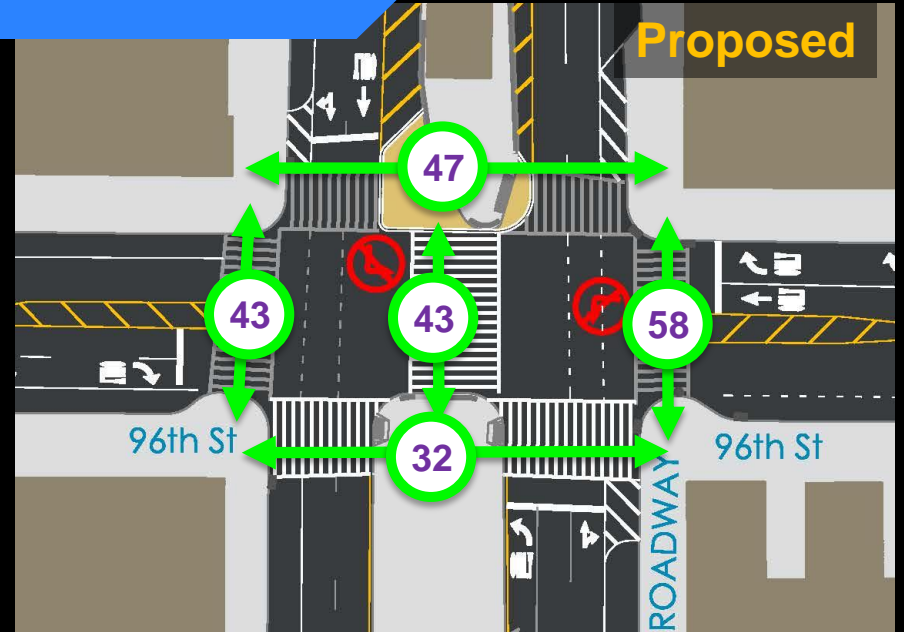
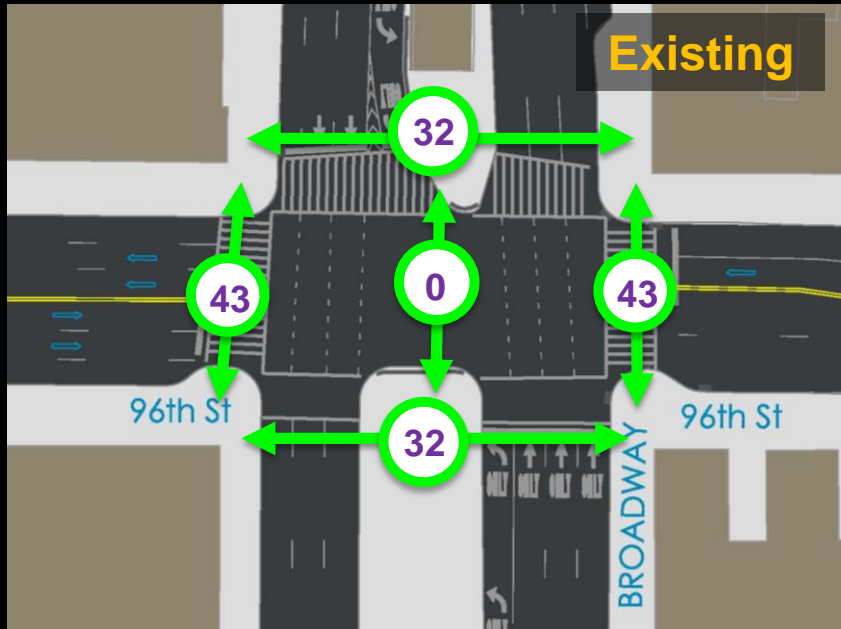


Phase C: 32 secs

Legal trip from NW corner to Subway has zero initial delay

58 seconds maximum trip time

# Pedestrian Crossing Time (Seconds)





# Anticipated Benefits

1. Fewer pedestrian/vehicular conflicts
2. Less confusion and more natural compliance with signals
3. Significant pedestrian and modest vehicular travel time improvements





[www.nyc.gov/dot](http://www.nyc.gov/dot)

Thank  
You