

# Surf Ave and Stillwell Ave

## Intersection Safety Improvements

2015



# Project Area



# Existing Issues

- Vision Zero priority intersection
  - 16 crashes, 33 injuries (2009 – 2013)
  - 8 pedestrian injuries (3 severe)
- Heavy pedestrian volumes
- Heavy transit use
  - Subway has 13,177 avg. riders on weekdays, and 23,726 on weekends
  - B36 bus has 14,677 avg. weekday riders
- Long crossing distances
- Midblock crossings
  - 3 pedestrian injuries while crossing midblock
- Heavy summer parking demand



# Seasonality



Surf Ave in June - Mermaid Parade



Surf Ave in November

# Existing Conditions



Stillwell Ave at Surf Ave, looking Northeast



# Proposed Plan



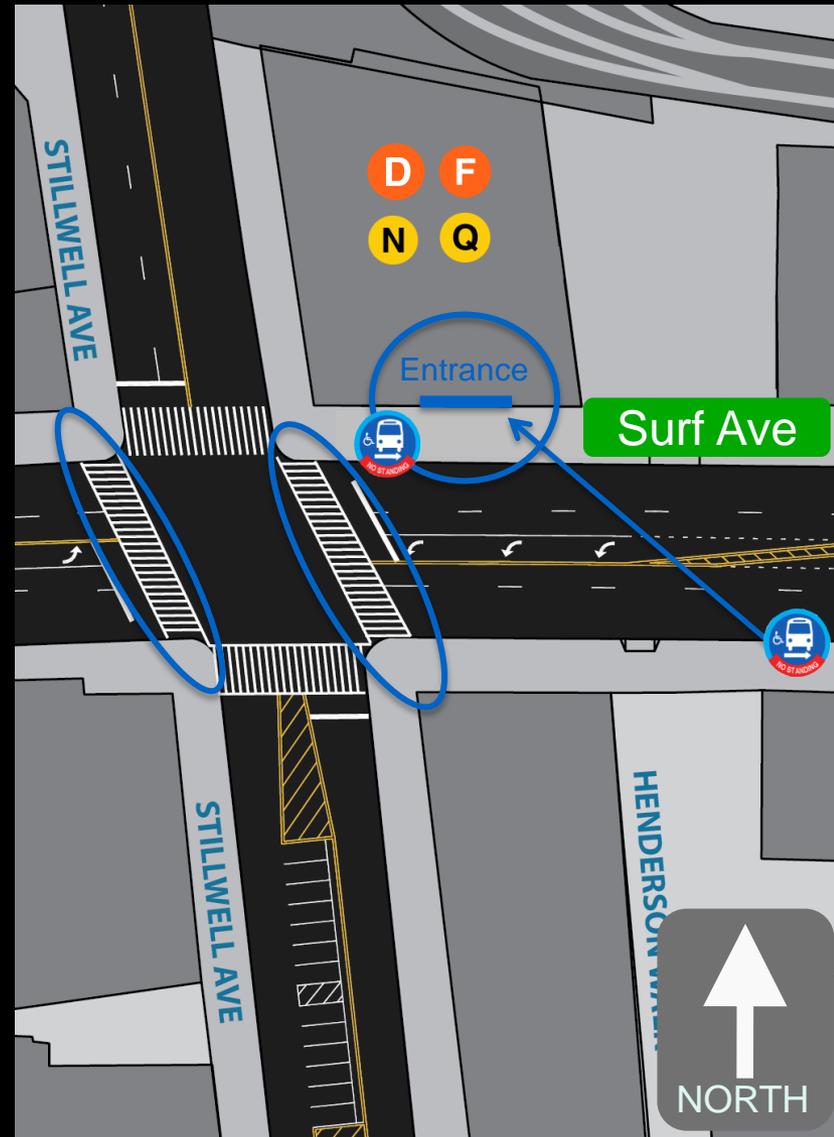
Greenpoint Ave & 48<sup>th</sup> Ave, Queens



# Existing Issues

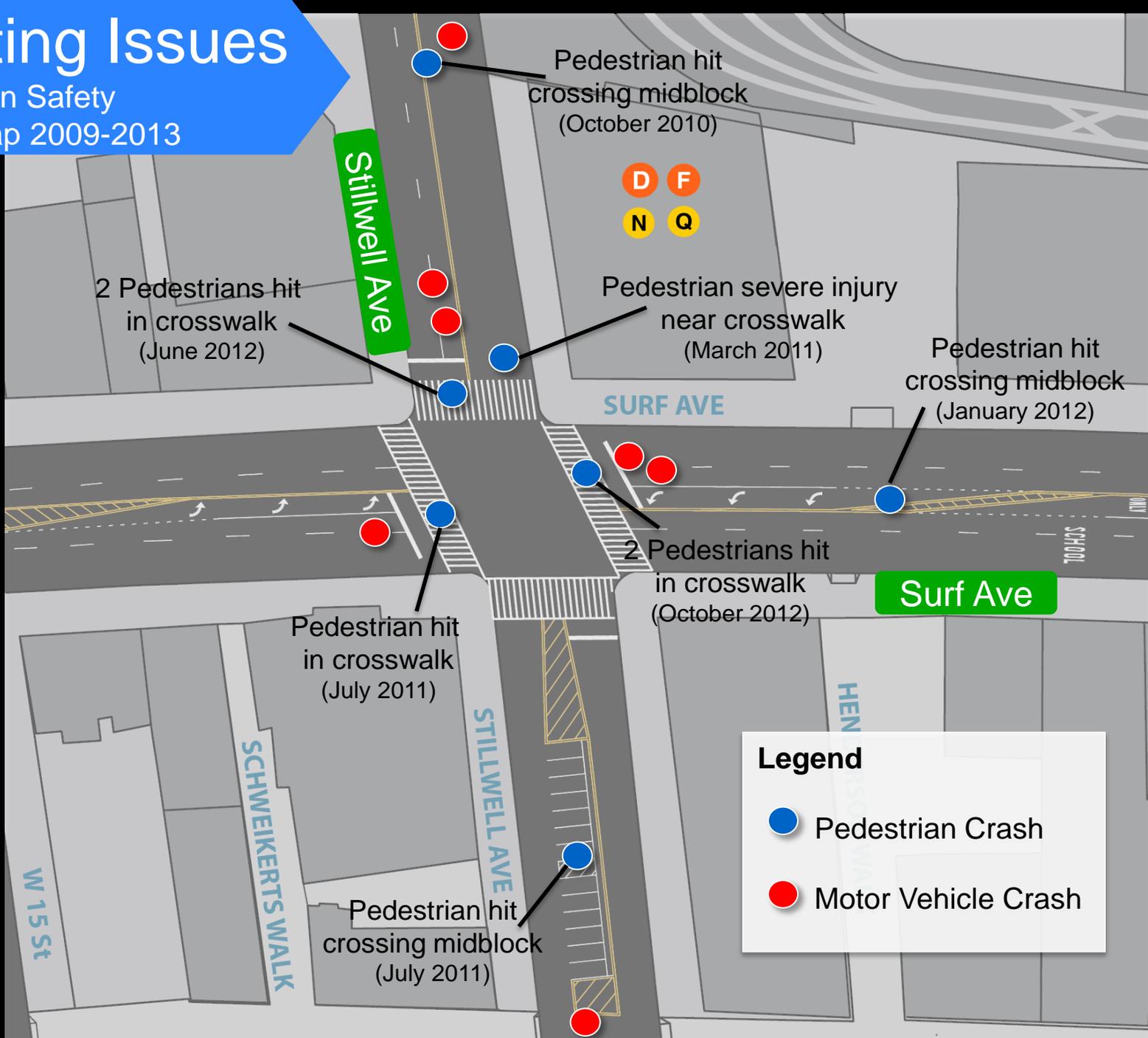
## Pedestrian Safety

- Heavy pedestrian volumes and queuing
- Long crossing distances
- 7 pedestrians hit while crossing with signal in crosswalk (2009-2013)
- Subway entrance not aligned with crosswalk
- Midblock crossings between EB bus stop and subway entrance



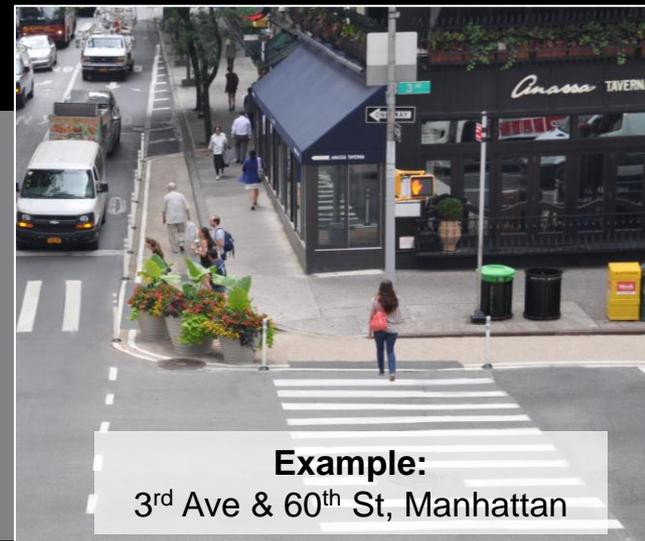
# Existing Issues

Pedestrian Safety  
Crash Map 2009-2013



# Increase Pedestrian Space

Widen crosswalks  
across Surf Ave to 30'



Paint curb extensions to  
increase pedestrian  
visibility and shorten  
crossing distances

Example:  
Dreamland Plaza

# Existing Conditions

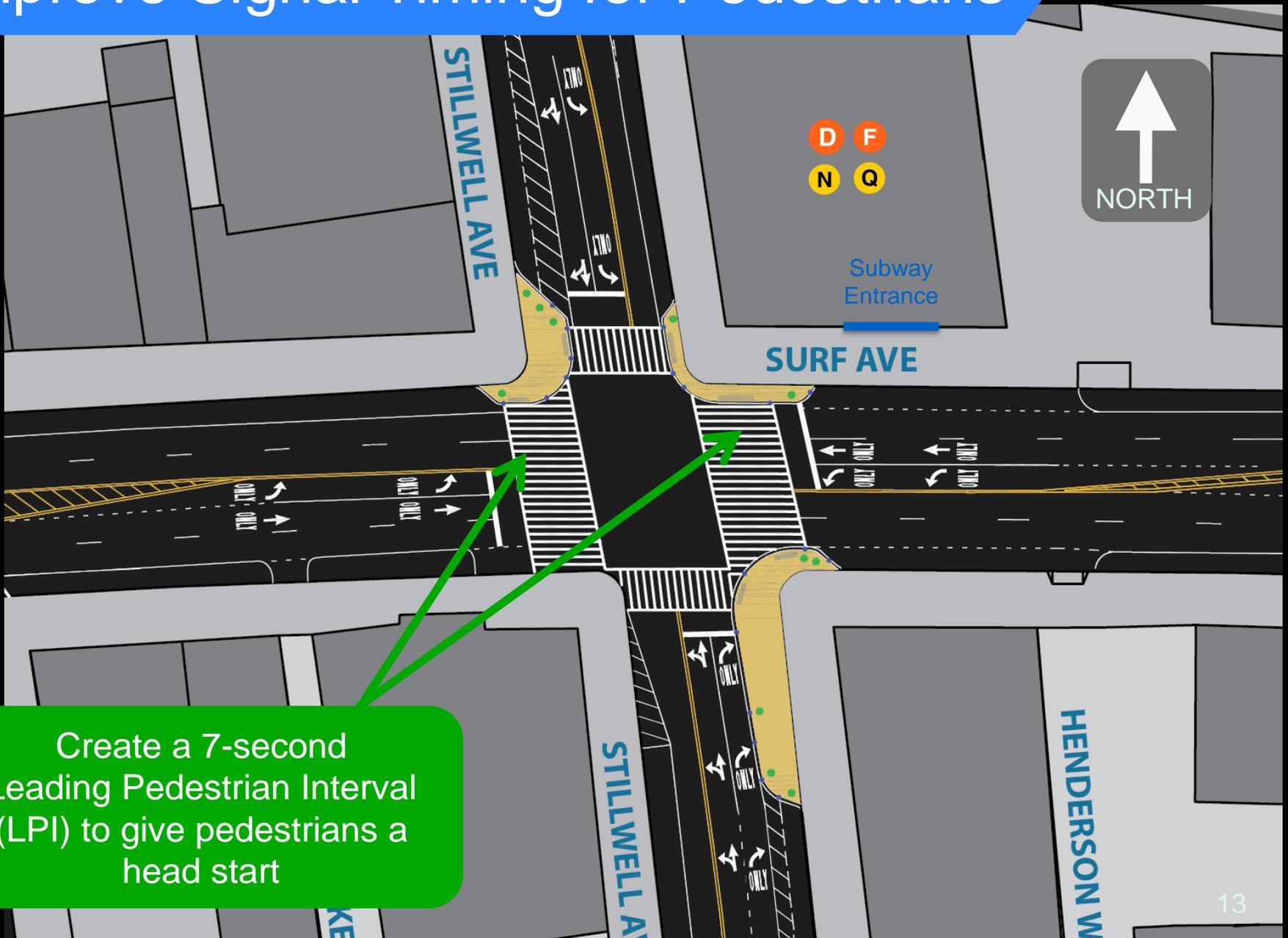


# Proposed Rendering





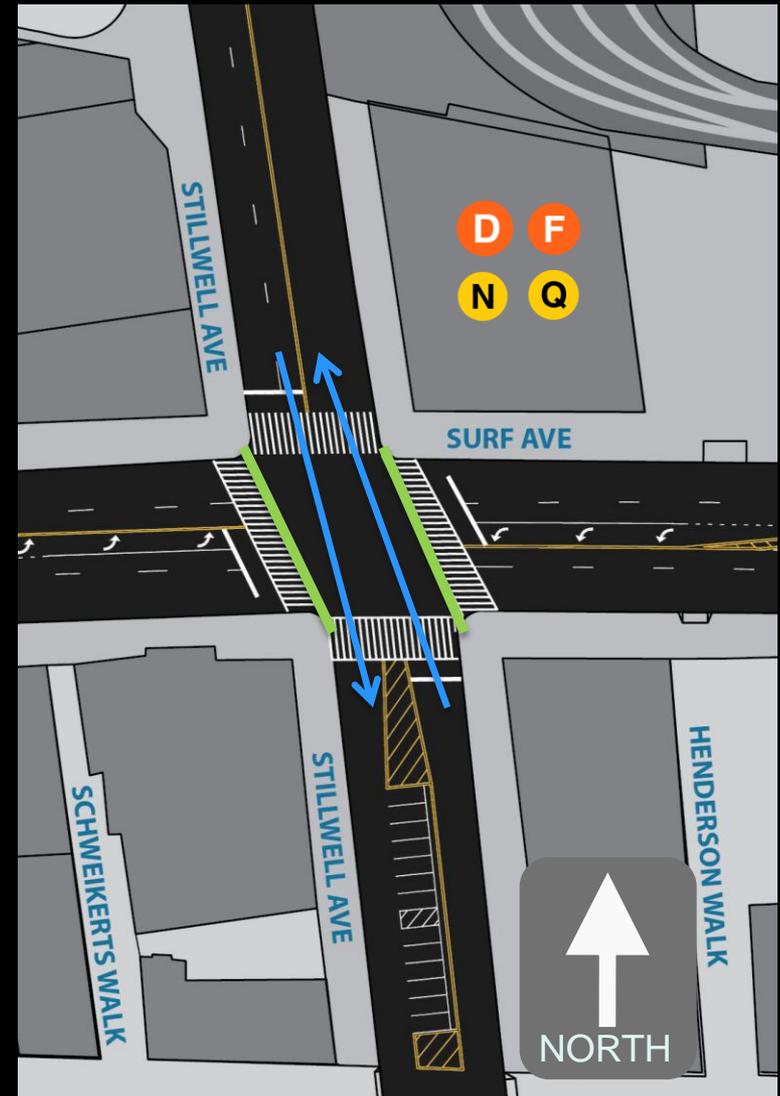
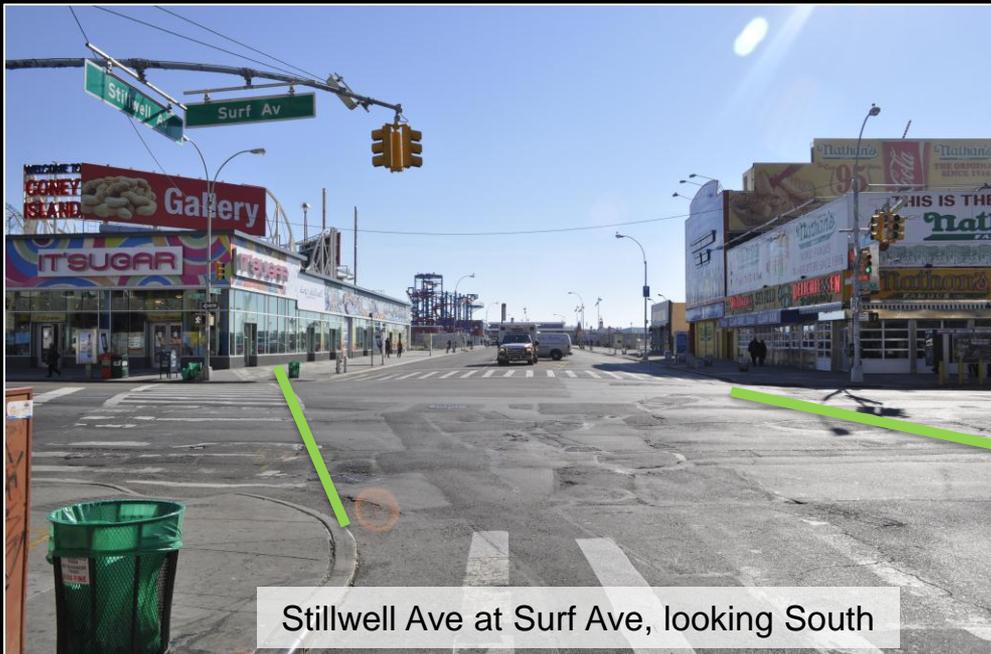
# Improve Signal Timing for Pedestrians



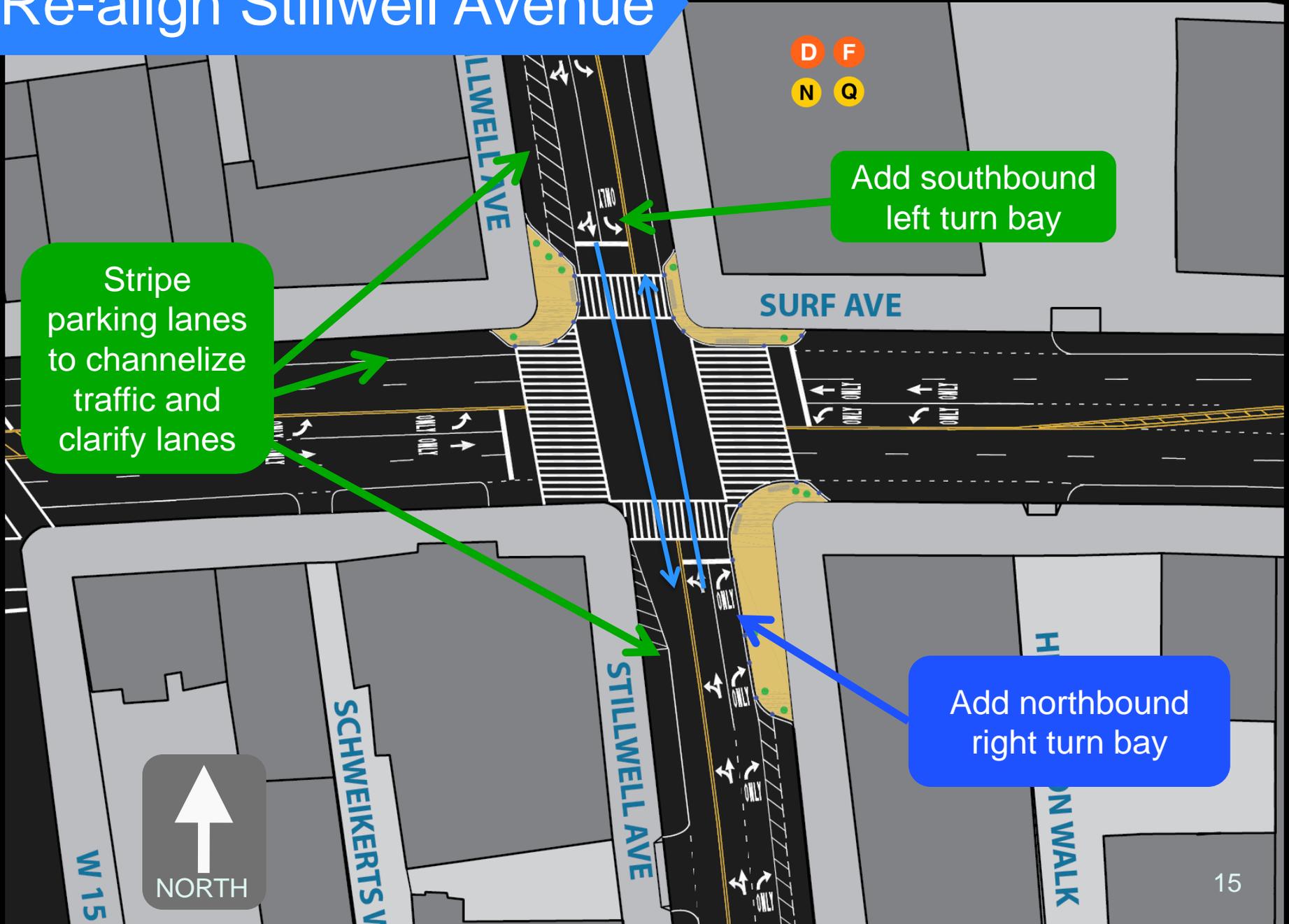
# Existing Issues

## Traffic Safety and Mobility

- Skewed intersection
- Poorly defined lane assignments
- 11 motor vehicle crashes (2009-2013)
  - 25 injuries to motor vehicle occupants



# Re-align Stillwell Avenue



Stripe parking lanes to channelize traffic and clarify lanes

Add southbound left turn bay

Add northbound right turn bay



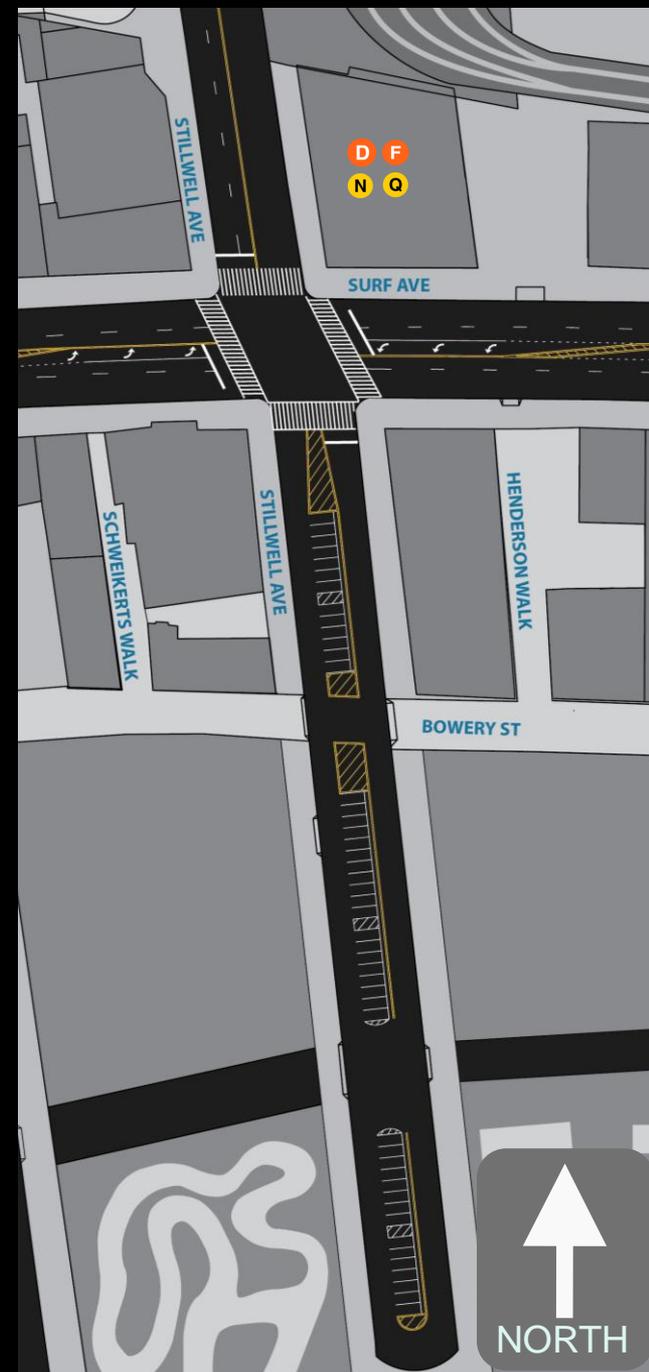
# Existing Issues

## Parking

- Inefficient use of space
- Heavy parking demand in summer
- Drop off / pick up and taxi double parking activity near subway



Stillwell Ave, looking North from Boardwalk



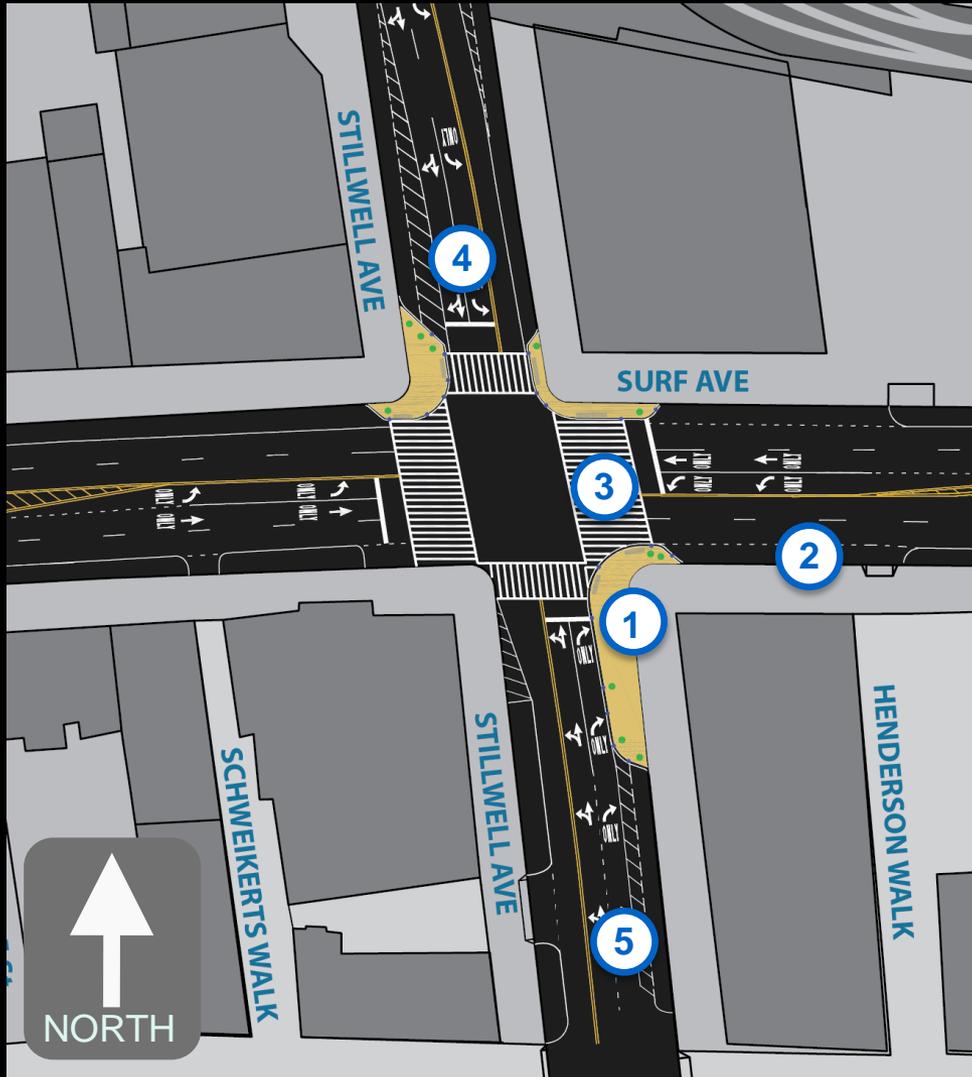
# Re-arrange Parking



## Stillwell Ave between Surf Ave & Boardwalk

Existing Parking Spaces	Parking Spaces After	Change
47	50	+3

# Proposal Summary



1. Increase pedestrian space
2. Move eastbound bus stop closer to crosswalk
3. Give pedestrians a 7-second head start while crossing north-south
4. Re-align Stillwell Avenue
5. Re-arrange parking and create drop-off zone
  - Net gain of 5 parking spaces (incl. 3 drop-off spaces)



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Thank  
You