

# Surf Ave and Stillwell Ave

Intersection Safety Improvements

2015



# Project Area



# Existing Issues

- High crash intersection
  - 16 crashes, 32 injuries (2009 – 2013)
  - 3 pedestrian severe injuries
  - Vision Zero priority intersection
- Heavy pedestrian volumes
- Midblock crossings
- Skewed intersection
- Heavy summer parking demand



# Seasonality



Surf Av in June - Mermaid Parade



Surf Av in November

# Existing Conditions



Stillwell Ave at Surf Ave, looking Northeast

# Proposed Plan

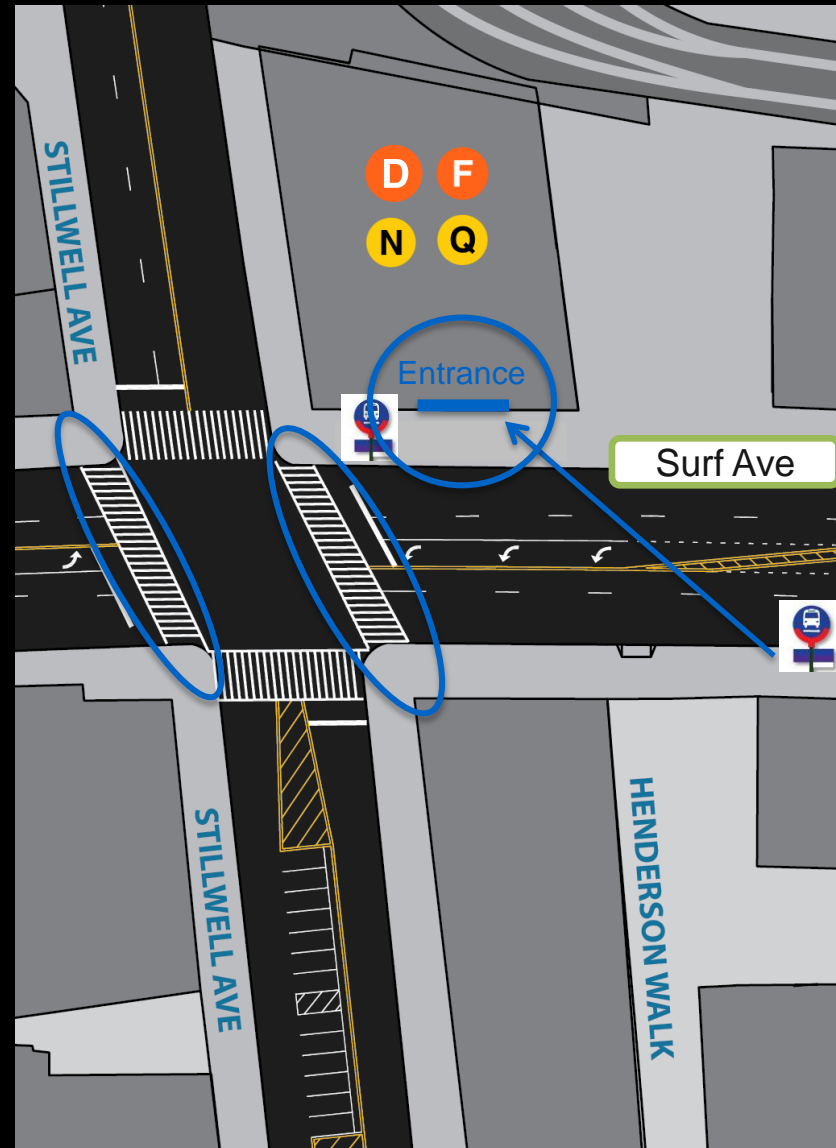


Greenpoint Ave & 48<sup>th</sup> Ave, Queens

# Existing Issues

## Pedestrian Safety

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

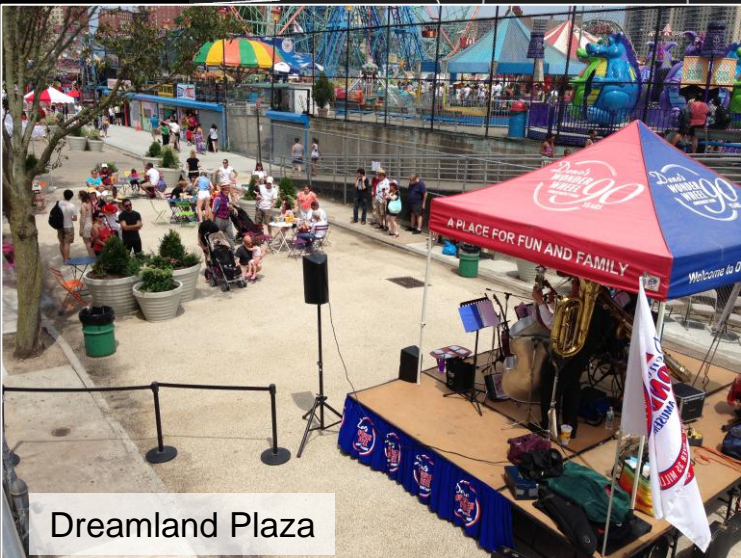


# Increase Pedestrian Space

Widen crosswalks  
across Surf Ave to 30'

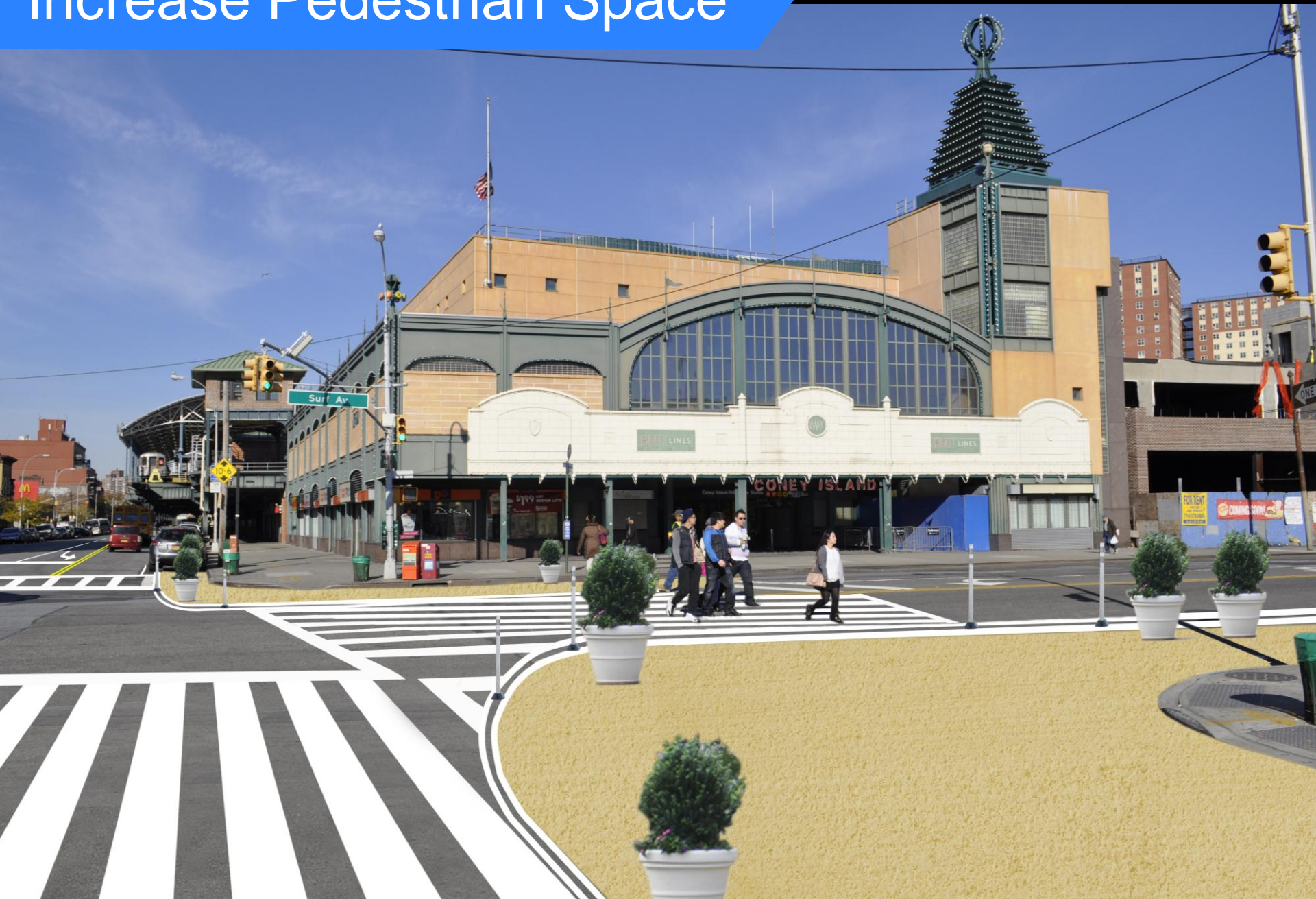


Paint curb extensions to  
increase pedestrian  
visibility and shorten  
crossing distances

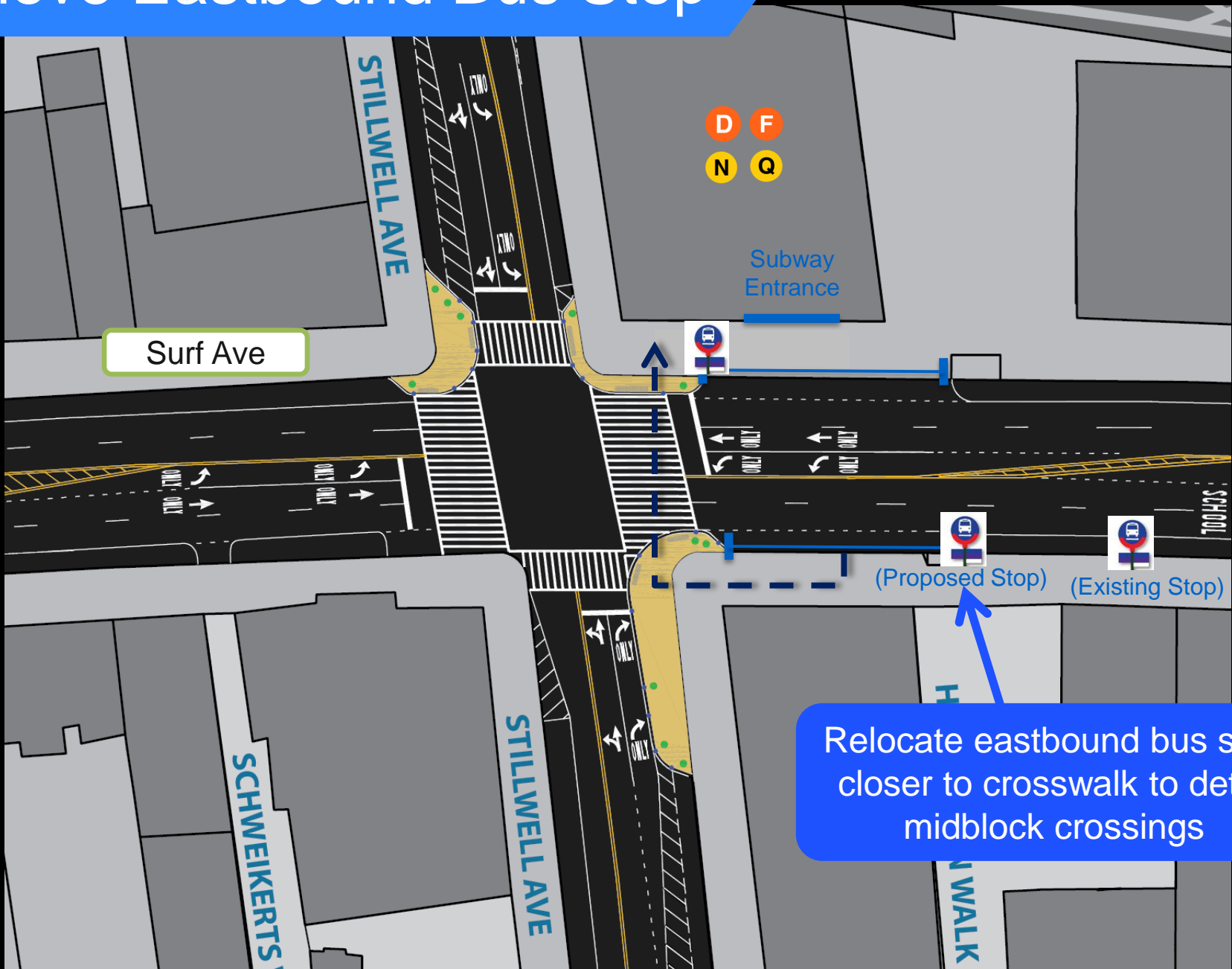




# Increase Pedestrian Space

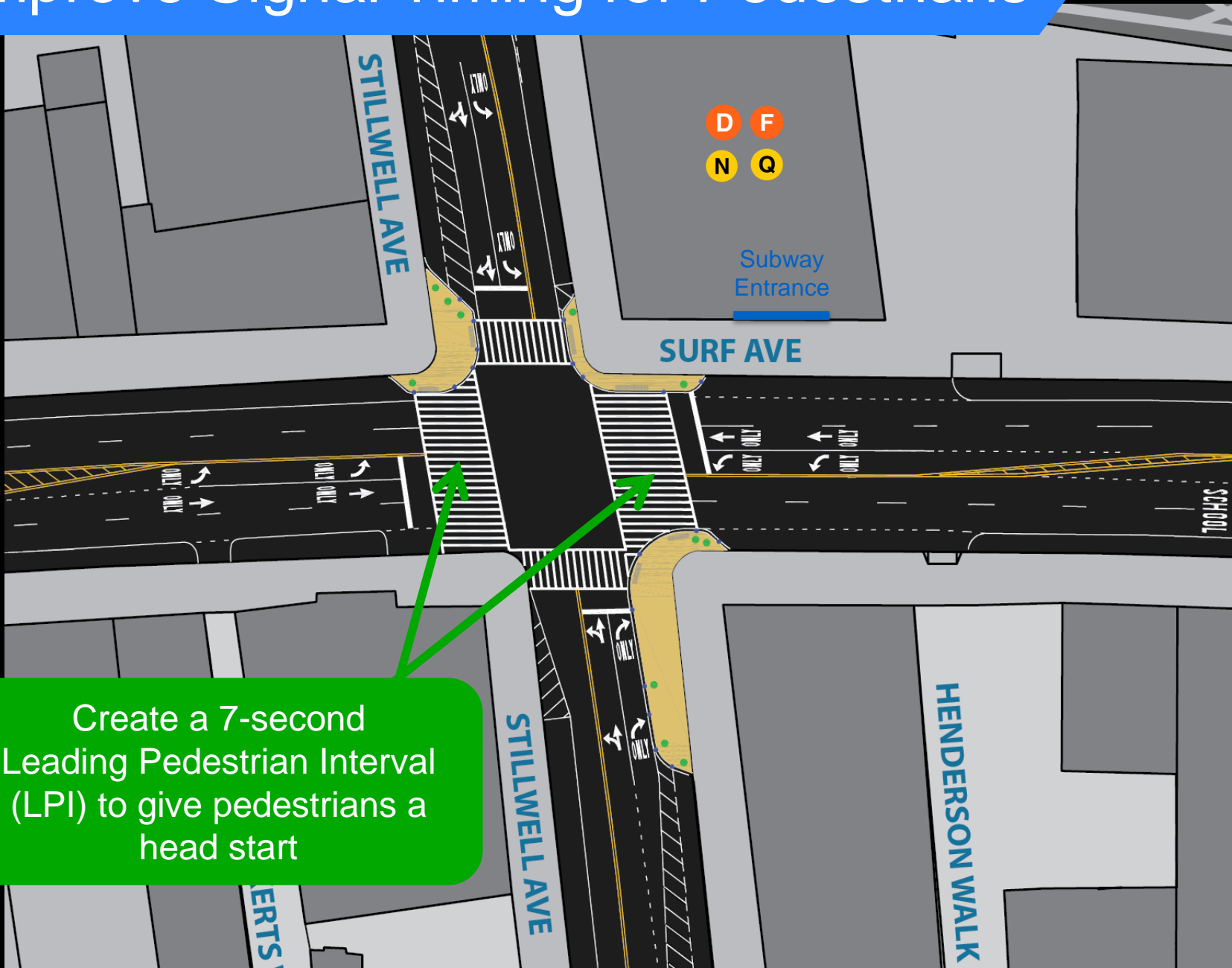


# Move Eastbound Bus Stop



Relocate eastbound bus stop closer to crosswalk to deter midblock crossings

# Improve Signal Timing for Pedestrians

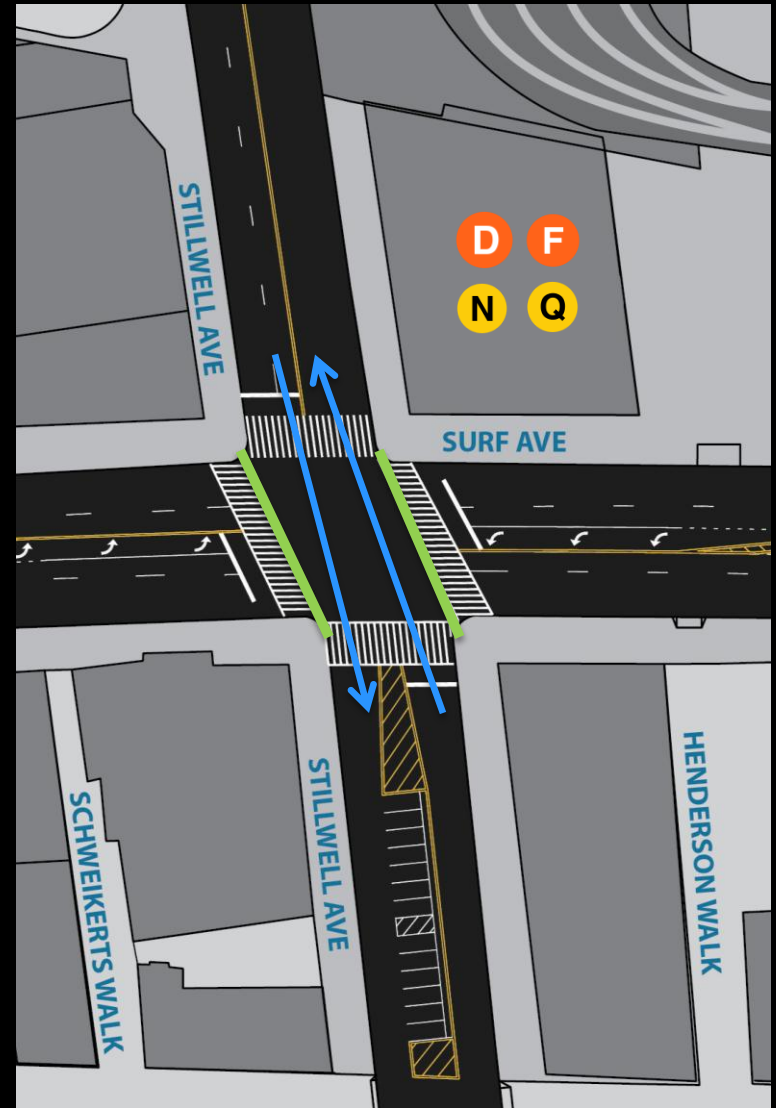
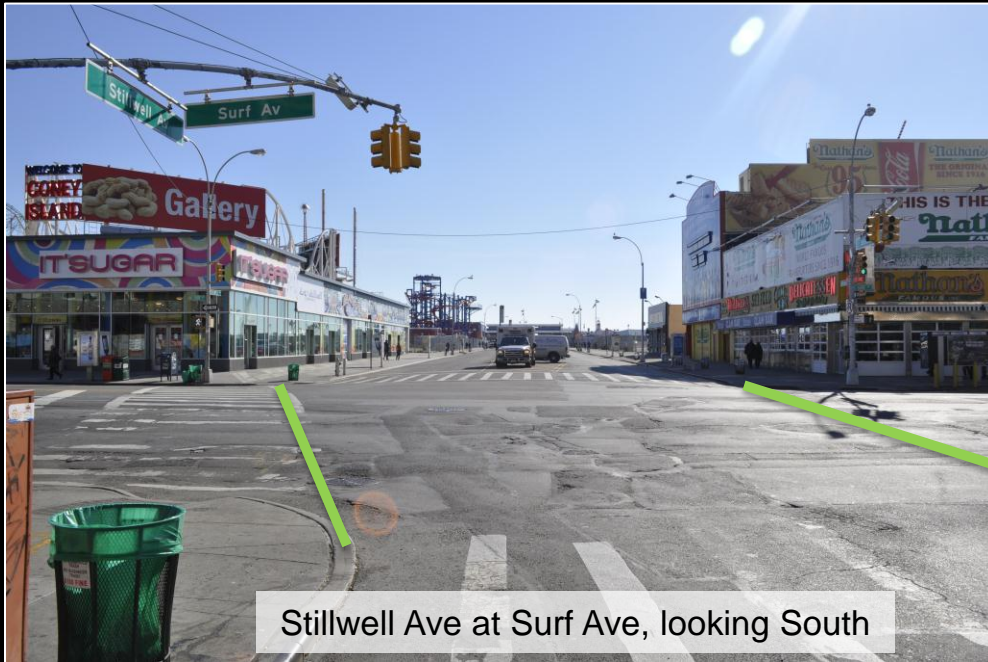


Create a 7-second Leading Pedestrian Interval (LPI) to give pedestrians a head start

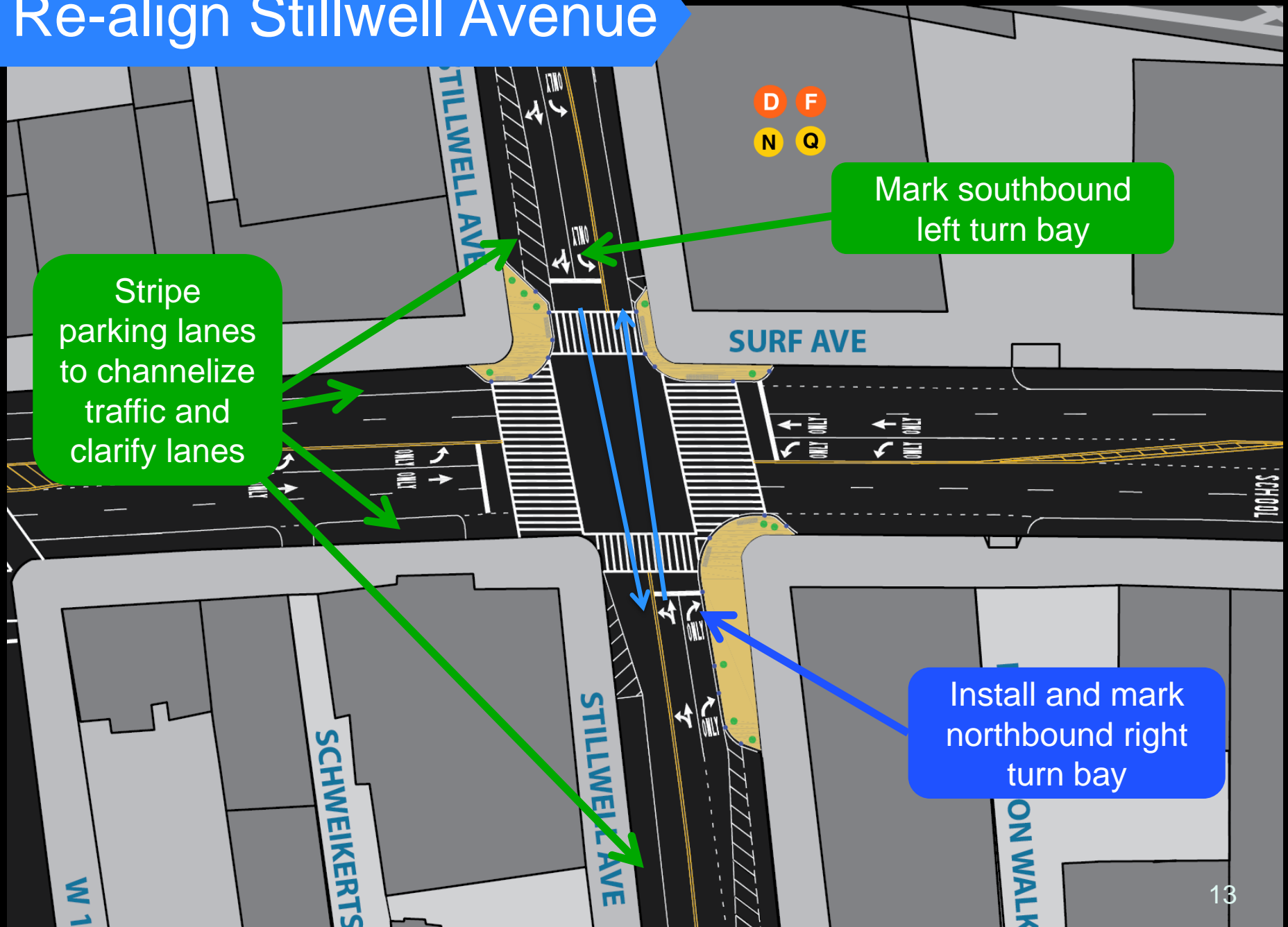
# Existing Issues

## Traffic Safety

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



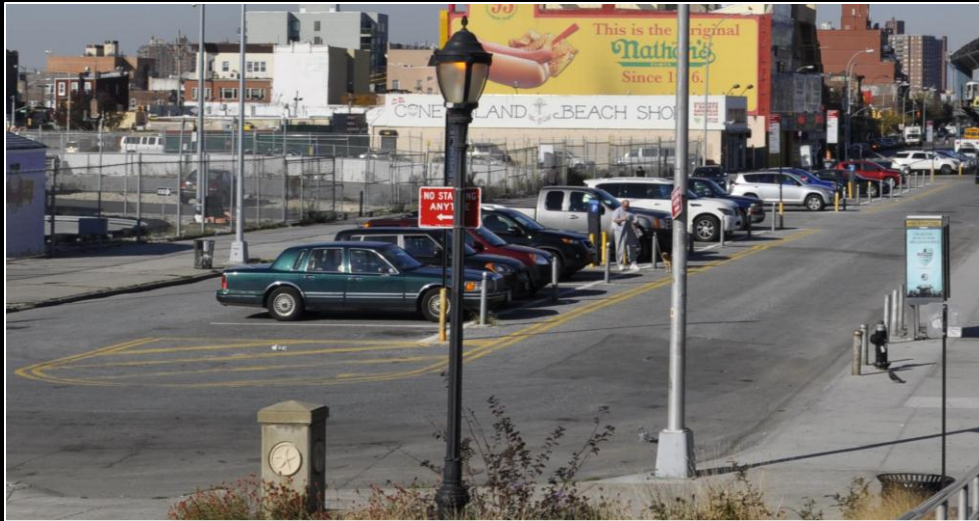
# Re-align Stillwell Avenue



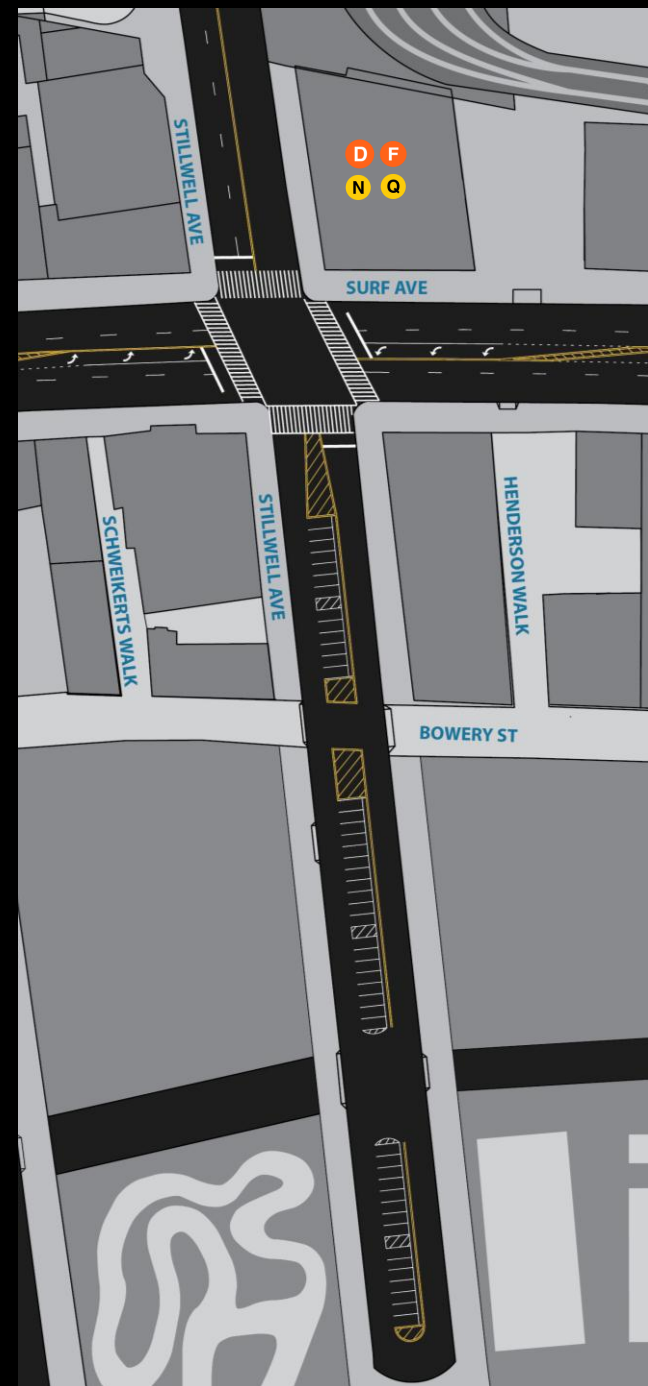
# Existing Issues

## 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

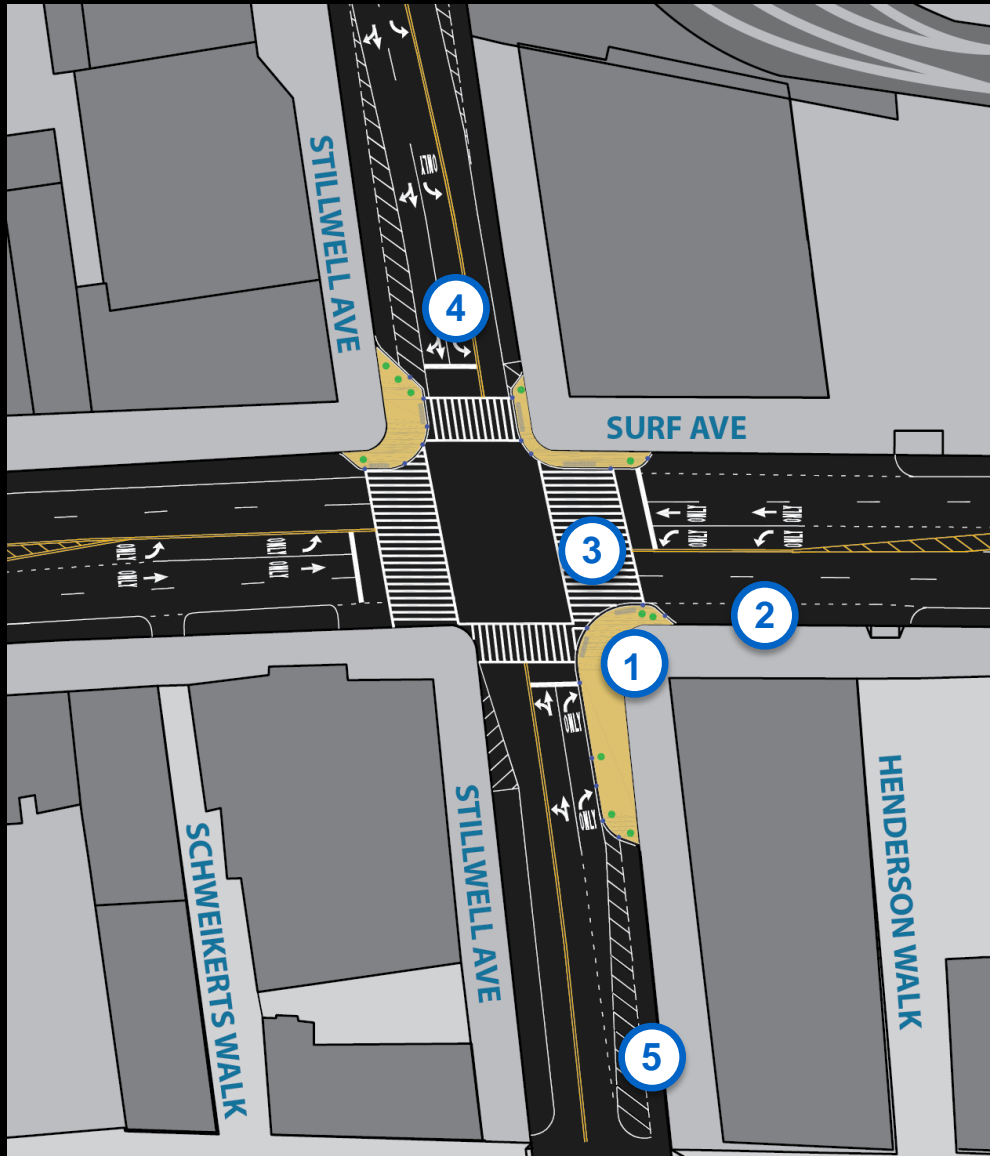


Create a 5 space drop-off zone

Move parking spaces to curbsides of Stillwell Avenue

Stillwell Ave between Surf Ave & Boardwalk		
Parking Spaces Before	Parking Spaces After	Change
47	52	+5

# Proposal Summary



1. Increase pedestrian space
2. Move EB 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





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Thank  
You