

# MORRIS PARK AVE

## Corridor Safety Improvements

Presentation to Community Board 11 Transportation Committee

February 5, 2018

# PROJECT LOCATION





# SAFETY DATA: 2010-2014

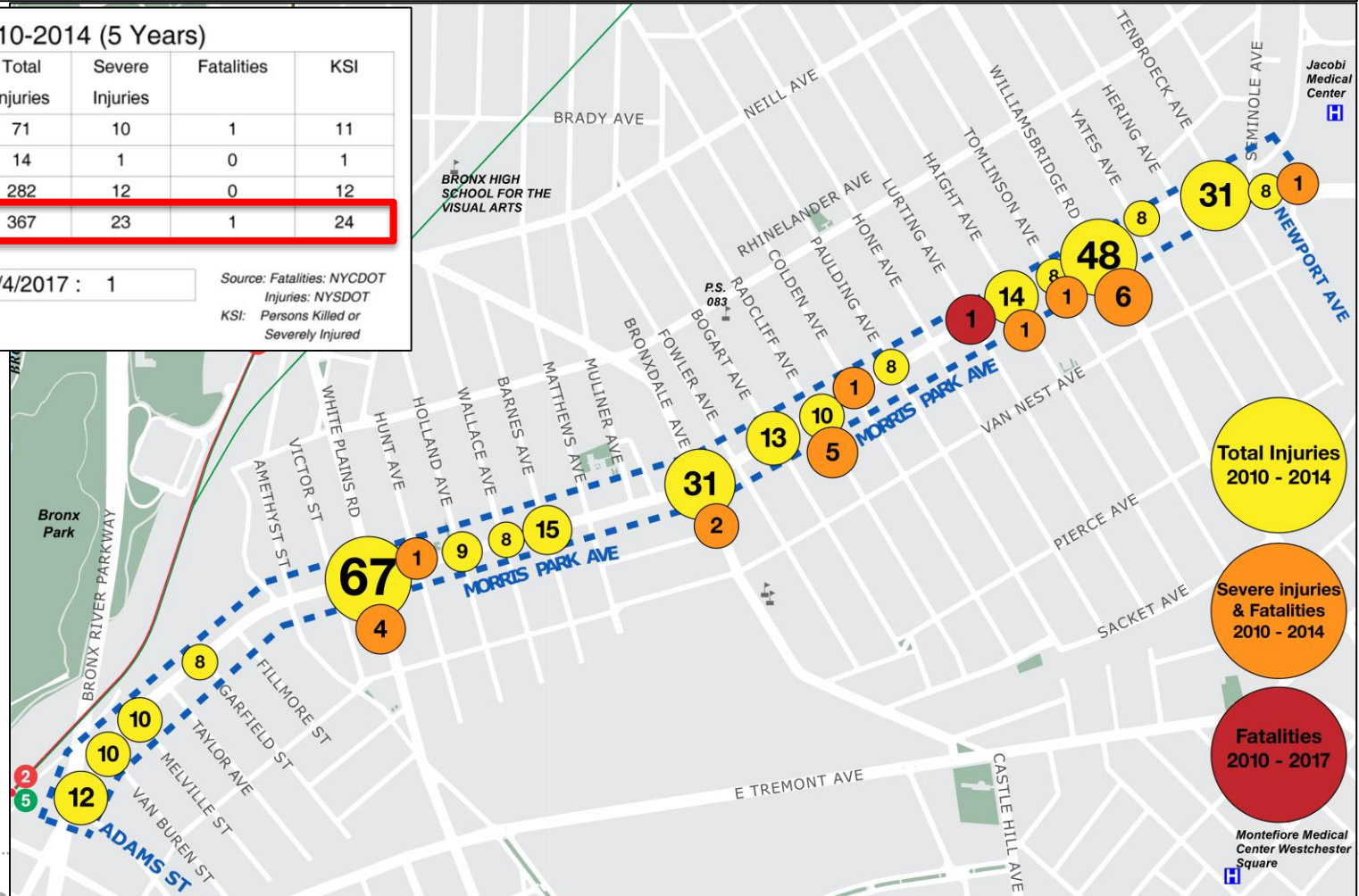
- Morris Park Avenue is a Vision Zero Priority Corridor with 7.6 pedestrians killed or severely injured per mile
- Key intersections: Morris Park Ave & White Plains Rd (Vision Zero Priority Intersection) and Morris Park Ave & Williamsbridge Rd (High Pedestrian Crash Location)

Injury Summary, 2010-2014 (5 Years)

	Total Injuries	Severe Injuries	Fatalities	KSI
Pedestrian	71	10	1	11
Bicyclist	14	1	0	1
Motor Vehicle Occupant	282	12	0	12
<b>Total</b>	<b>367</b>	<b>23</b>	<b>1</b>	<b>24</b>

Fatalities, 01/01/2010-9/4/2017 : 1

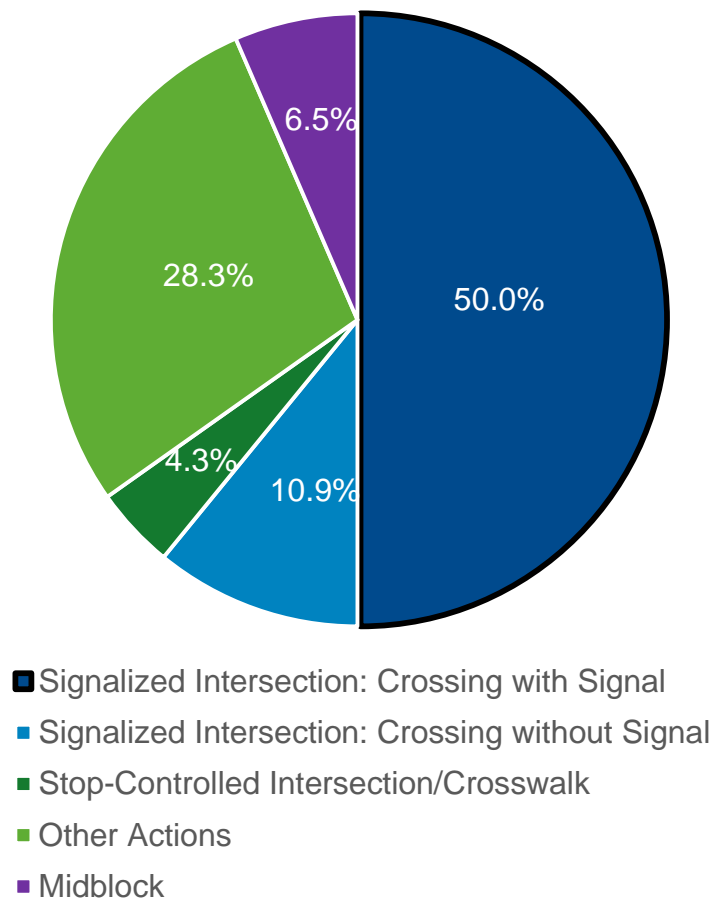
Source: Fatalities: NYCDOT  
Injuries: NYSDOT  
KSI: Persons Killed or Severely Injured



# SAFETY DATA: 2010-2014

50% of pedestrian crashes result from a driver's failure to yield

Pedestrian Crashes on Morris Park Ave (2010-2014)



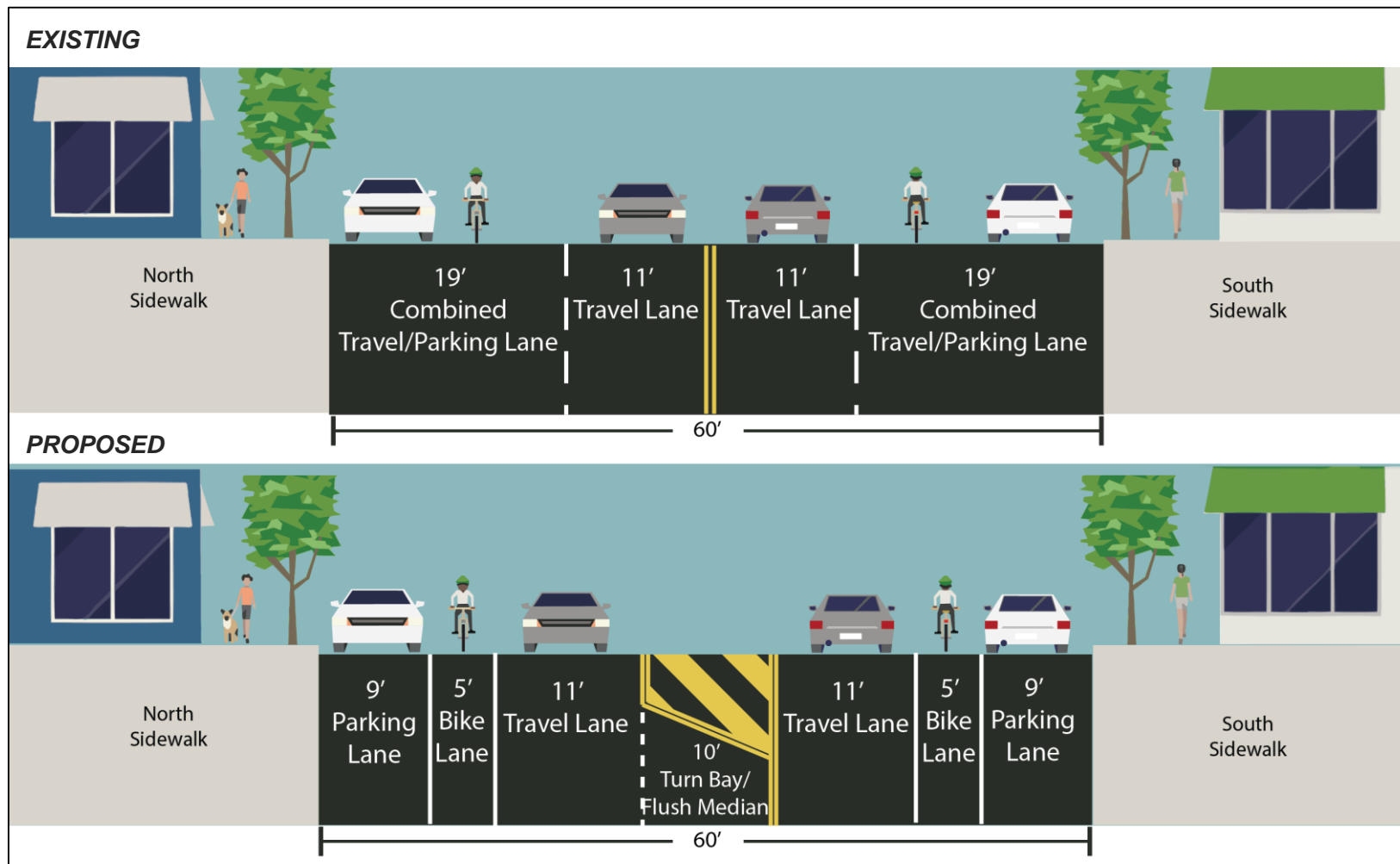
# EXISTING CONDITIONS & BEHAVIORS



# CORRIDOR PROPOSAL

## Melville St to Newport Ave

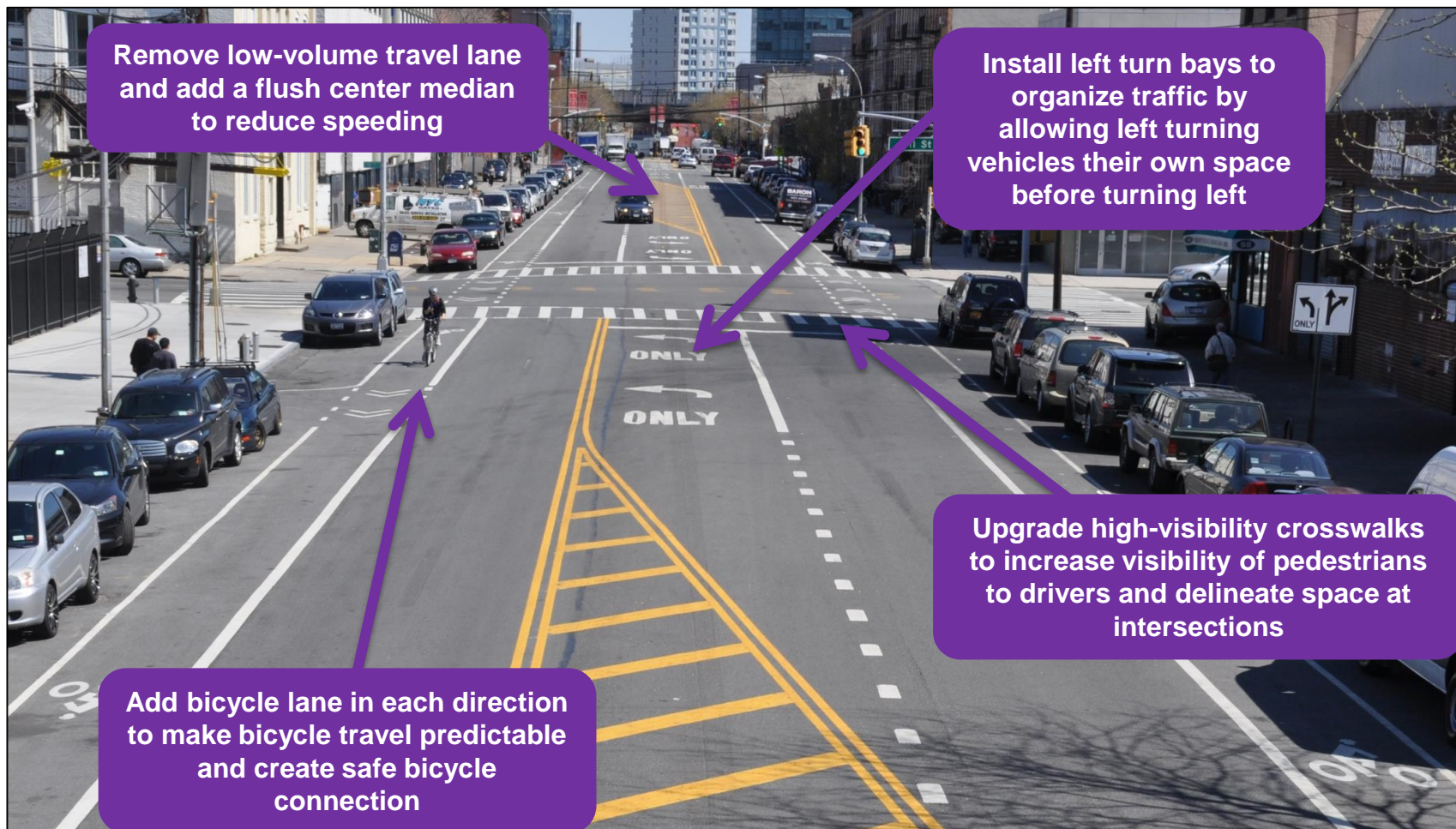
Similar designs resulted in 35-50% decline in total injuries & 30-50% decline in pedestrian injuries (Allerton Ave, Burke Ave)





# CORRIDOR PROPOSAL

## Melville St to Newport Ave

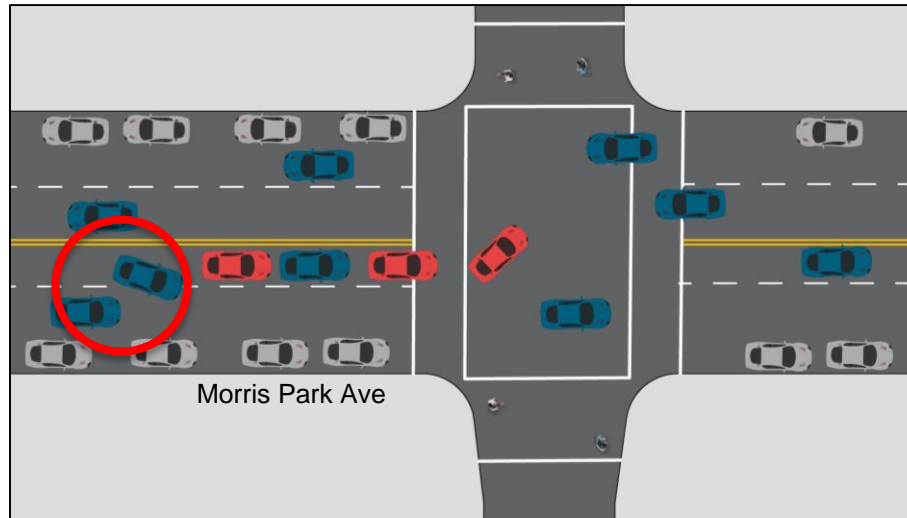


Example of Proposed Treatment: 44<sup>th</sup> Drive, Queens

# CORRIDOR PROPOSAL

## Organizing Traffic

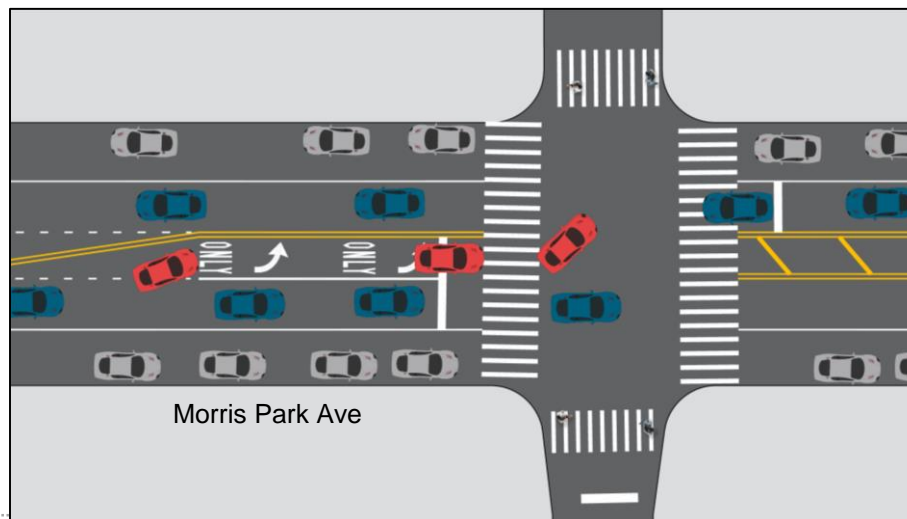
### Existing Conditions



Left turning vehicles waiting for a gap in oncoming traffic block vehicles behind them:

- Creates dangerous swerving conditions
- Slows through vehicles

### Proposed Conditions



Left turn bays organize traffic by allowing left turning vehicles their own space to wait for a gap in traffic before turning left



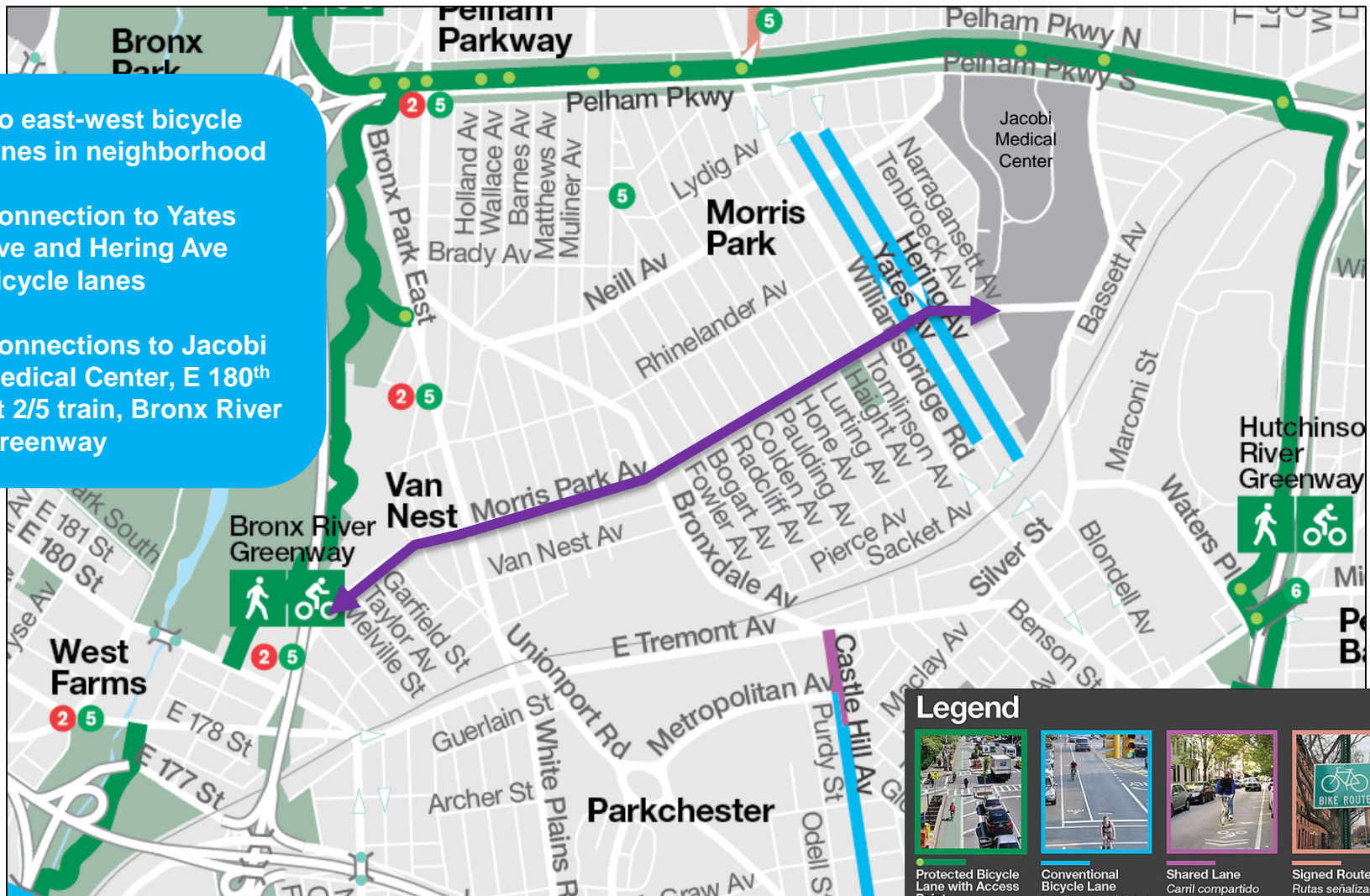
Left Turning Vehicle

Through Vehicle



# LIMITED BICYCLE CONNECTIONS IN MORRIS PARK

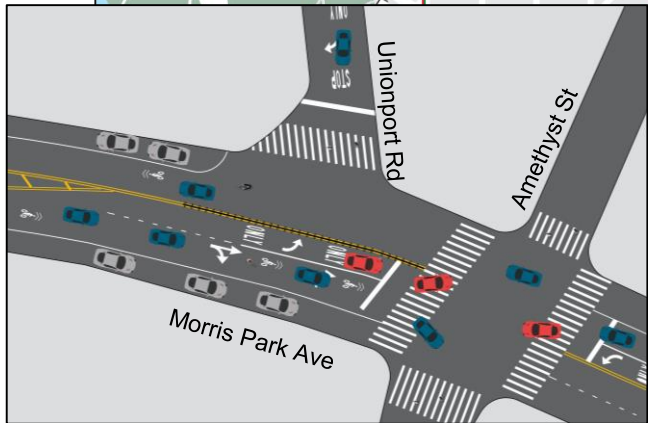
- No east-west bicycle lanes in neighborhood
- Connection to Yates Ave and Hering Ave bicycle lanes
- Connections to Jacobi Medical Center, E 180<sup>th</sup> St 2/5 train, Bronx River Greenway



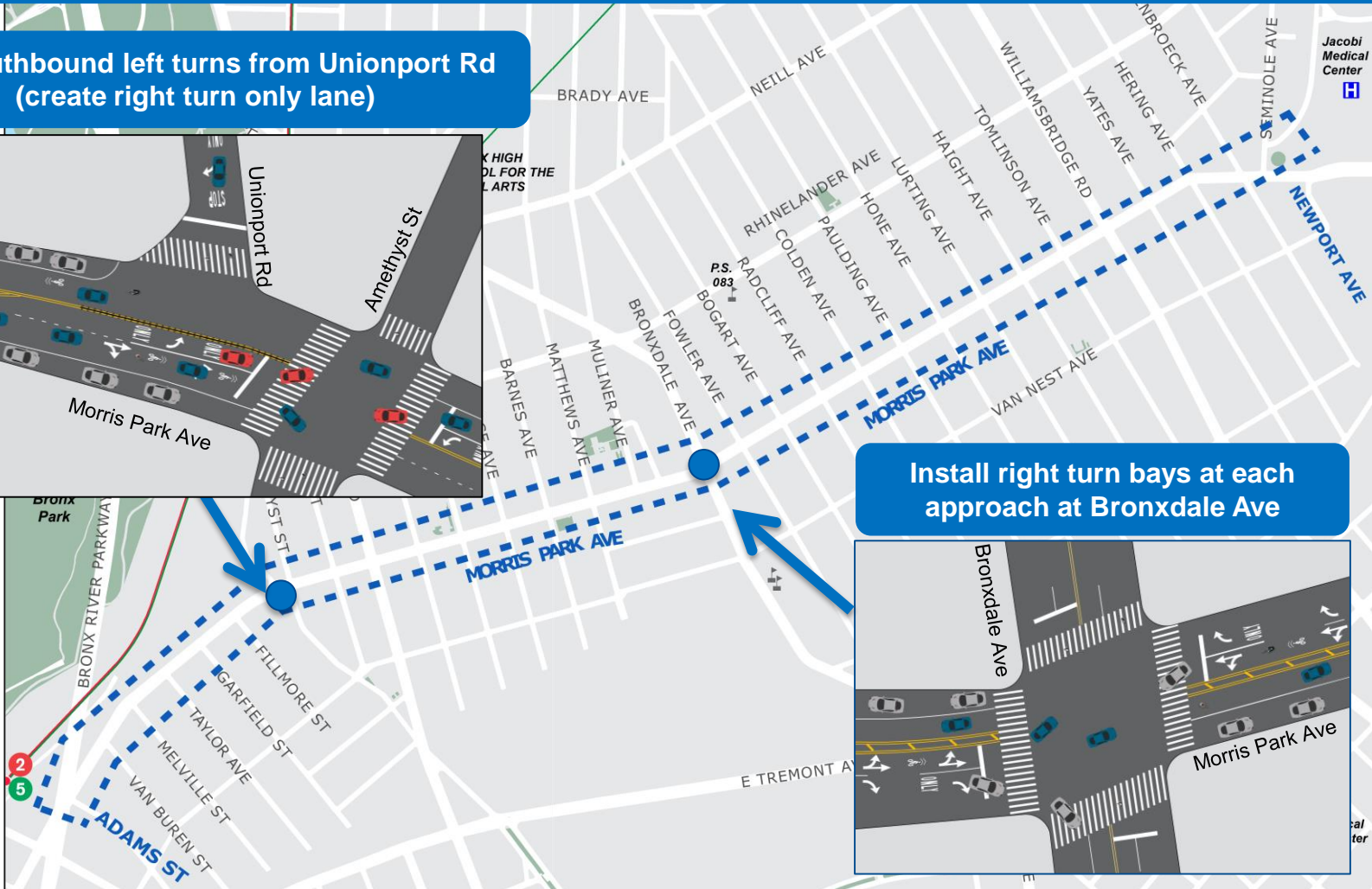
# DESIGN SPECIFICS

Ban a left turn at Unionport Rd & accommodate high turning volumes at Bronxdale Ave

Ban southbound left turns from Unionport Rd  
(create right turn only lane)



Install right turn bays at each approach at Bronxdale Ave



# CASE STUDY: WHITE PLAINS ROAD

- **2014 Street Improvement Project**

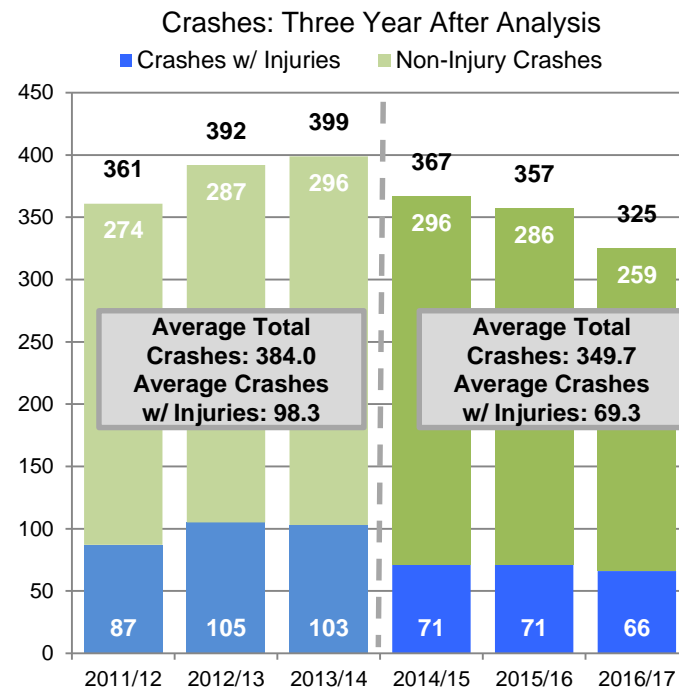
- Birchall Ave to Soundview Ave
- Removed one travel lane in each direction
- Installed ten-foot flush center median and left turn bays
- Marked wide parking lane

- **Safety Results**

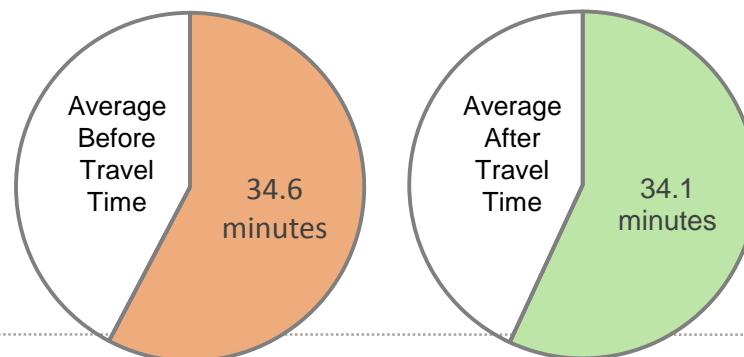
- Total injuries decreased by 37%
- Motor vehicle occupant injuries decreased by 46%
- Pedestrian injuries decreased by 14%

- **Traffic Impacts**

- Vehicular volumes and travel times on White Plains Rd remain relatively unchanged in northbound and southbound directions



White Plains Rd (Soundview Ave to Bronxdale Ave)





# PROJECT OUTREACH

## Merchant Surveys

- 111 businesses visited
- 88 surveys completed
- Key Findings:
  - 64% of delivery vehicles typically double-park when accessing businesses
  - Majority of businesses rely on on-street parking for customer access (only 7% have private parking lots)
  - 70% of deliveries take less than 15 minutes
  - 68% of businesses receive deliveries from box trucks

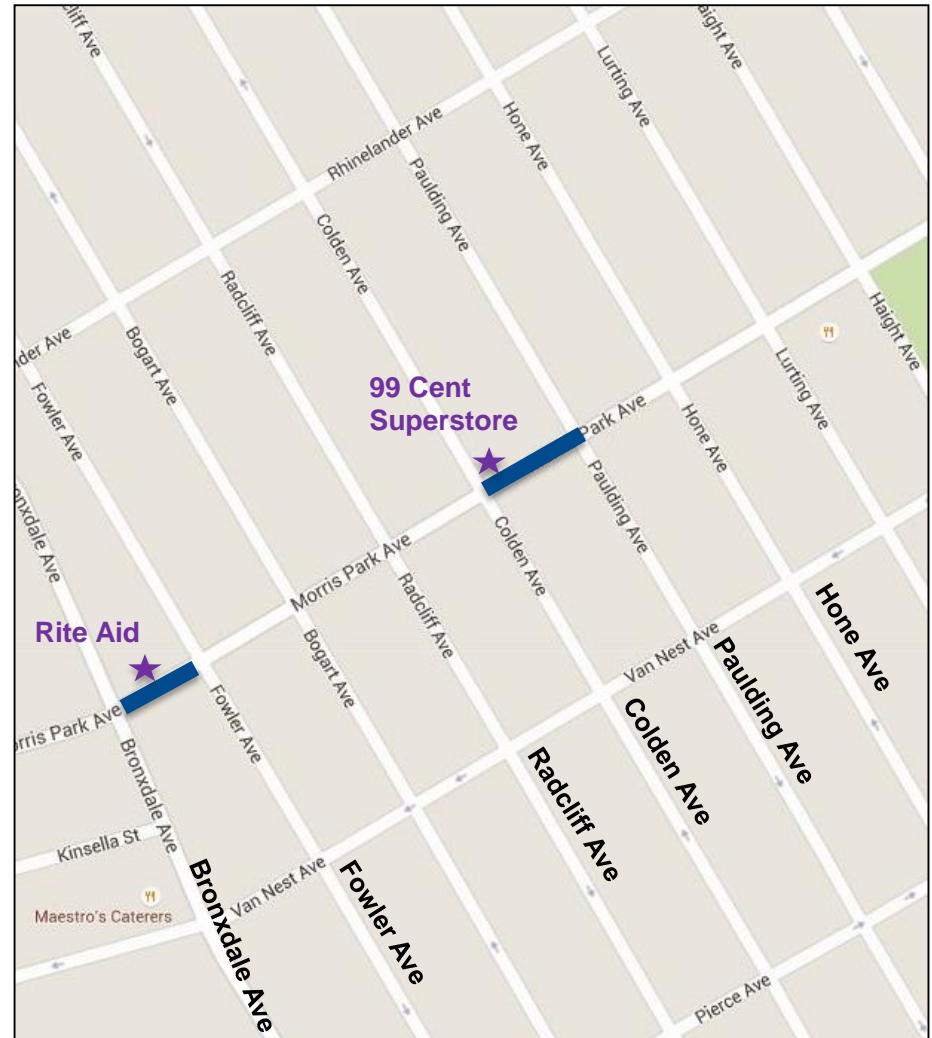


# CORRIDOR PROPOSAL DETAILS

Add truck loading zones to address double parking

## Locations

- Bronxdale Ave – Fowler Ave
  - Evening hours
  - 30' on north curb
- Colden Ave – Paulding Ave
  - Morning hours
  - 30' on north curb



# BENEFITS OF PROPOSAL

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- Proposed design organizes traffic, reduces speeding, and creates safer left turns
- Traffic calming encourages slower speeds 24-hours a day
- Bicycle lane adds 2.8 lane miles to the bicycle network and creates safe bicycle connections in the Morris Park neighborhood
- High visibility crosswalks make pedestrians more visible to drivers
- Loading zones minimize double parking on a retail corridor



Proposed Conditions: Flush median and turn bay on Bronxwood Ave, Bronx



# THANK YOU!

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## Questions?

Contact: Bronx Borough Commissioner's Office at (212) 748-6680 or [kkalb@dot.nyc.gov](mailto:kkalb@dot.nyc.gov)



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