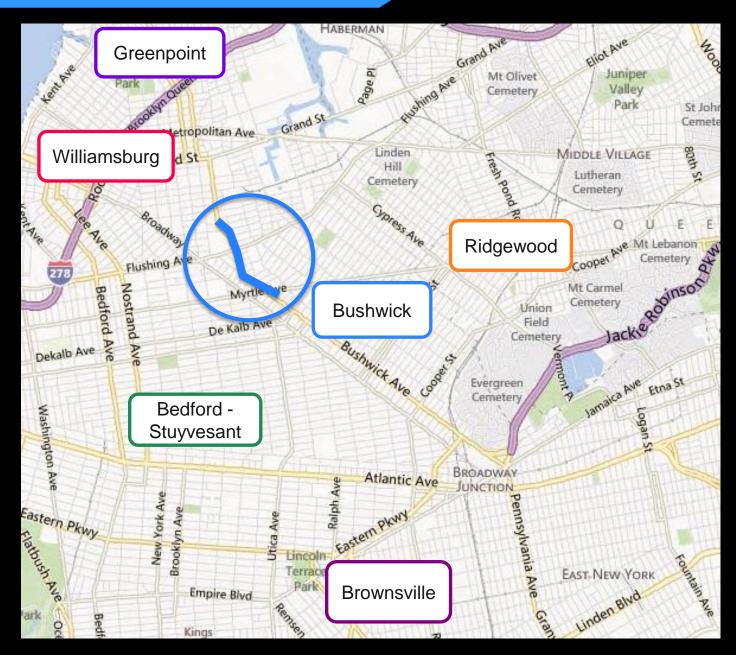
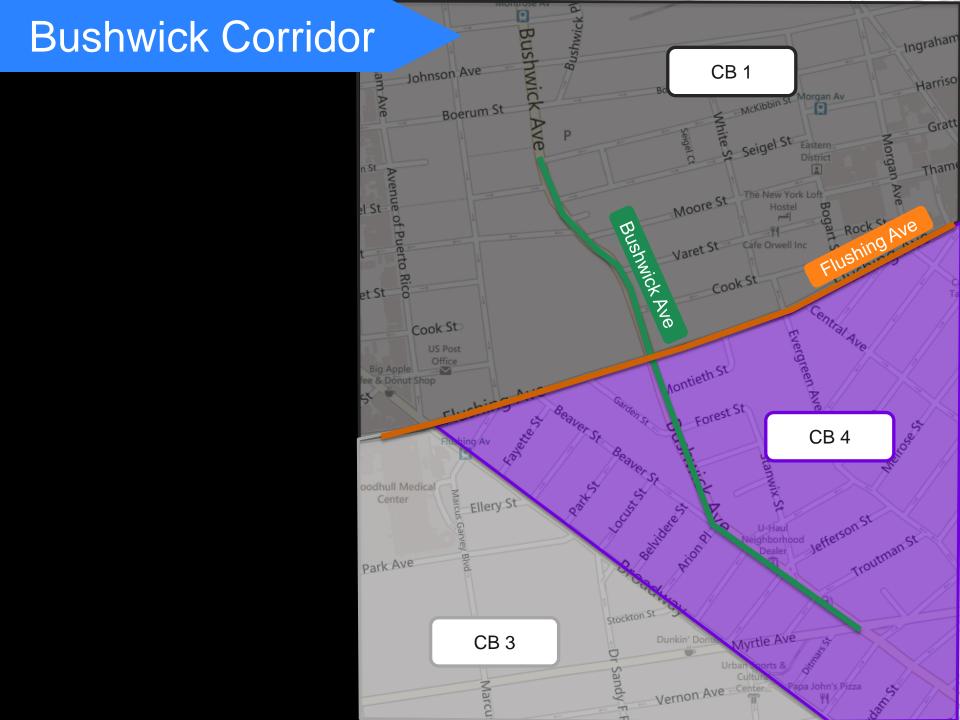


Commissioner Janette Sadik-Khan New York City Department of Transportation Presented by the Pedestrian Projects Group on October 16<sup>th</sup>, 2013 to Community Board 4



# Williamsburg/Bushwick





#### Montrose Av **Bushwick Corridor** Ingraham Johnson Ave Harrison McKibbin St Boerum St Gratta seigel St Thame P.S. 147 Moore St Bogan Rock Ct **Bushwick Branch** Cafe Orwell Inc Library Cook St Central Ave CookSto P.S. 120 US Post Nontieth St. Flushing Ave Garden St Forest St Subway Noll St Ridgewood oodhull Medical **Bushwick** Jeffersonst TroutmanSt **Senior Center** Park Ave Stockton St Myrtle Ave Vernon Ave Center dansk



### Background

### **Community Request**

- Graham Ave BID requested safety improvements to the intersection of Bushwick Ave and Seigel St, due to turning movements through the intersection
- Ridgewood Bushwick Senior Citizens Council, Inc. requested safety improvements to Bushwick between Noll St and Beaver/Arion Pl due to missing sidewalk along existing greenstreet
- Community Letter requested a curb extension or island at the intersection of Bushwick and Jefferson where pedestrians are vulnerable



### General Issues

- Missing sidewalks
- Long wait for walk signal
- Long crossing distances
- Weaving traffic
- Skewed intersections





### Rapid Response Toolkit

- Pavement markings
- Concrete sidewalk extensions
   & islands
- New signage
- Painted and/or textured surfaces









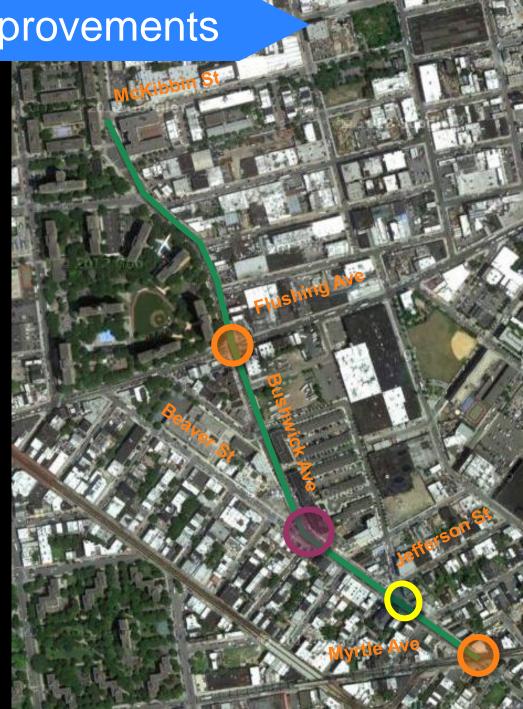
**Bushwick Corridor Improvements** 

Bushwick Striping Plan

Bushwick Ave/Beaver St/Arion PI

Jefferson St and Bushwick Ave

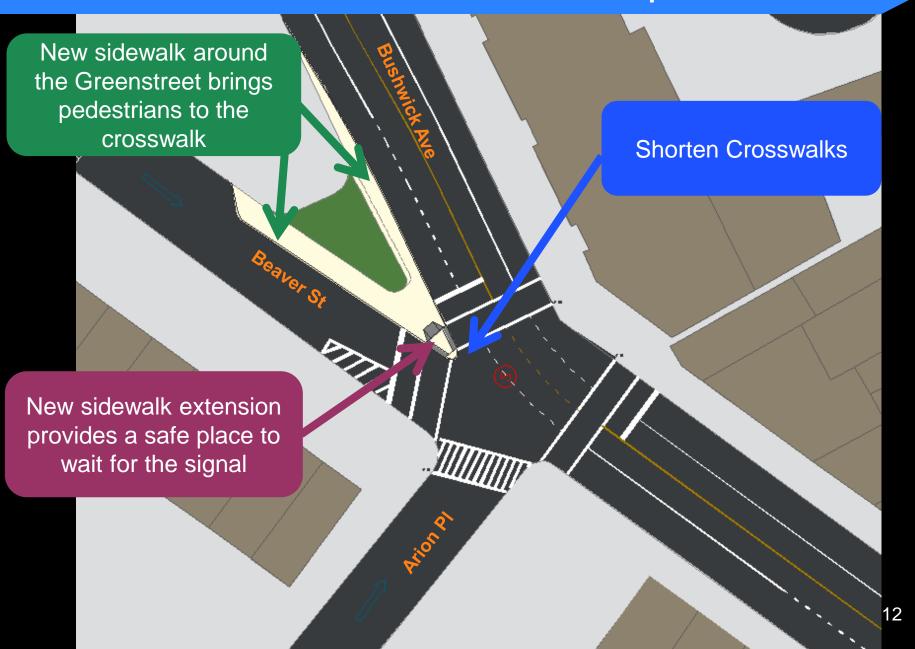
Flushing & Myrtle Left Turn Bans



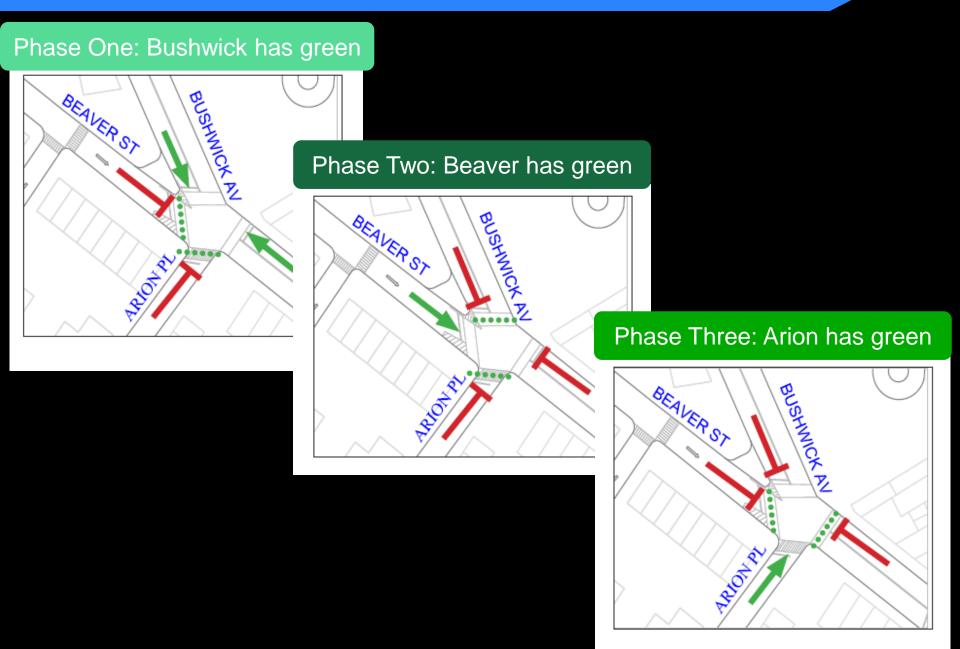




### Bushwick, Beaver & Arion St Proposal



## Bushwick, Beaver & Arion St Signal Timing

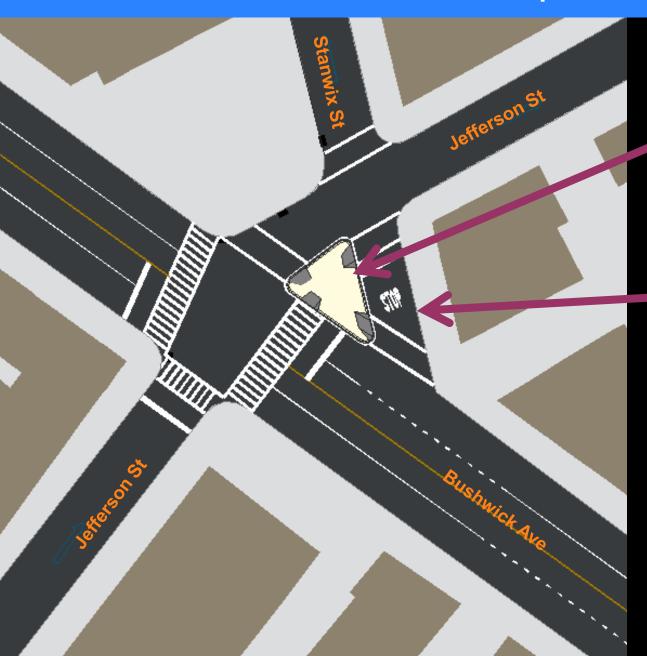


# Bushwick & Jefferson Safety Issues



Long Crosswalk and unprotected triangle

# Bushwick & Jefferson St Proposal



Island provides pedestrian refuge and calms traffic

Removal of 2 parking spaces

### Flushing and Bushwick Safety Issues



Flushing Ave and Bushwick Ave Injury Summary 2006-2010

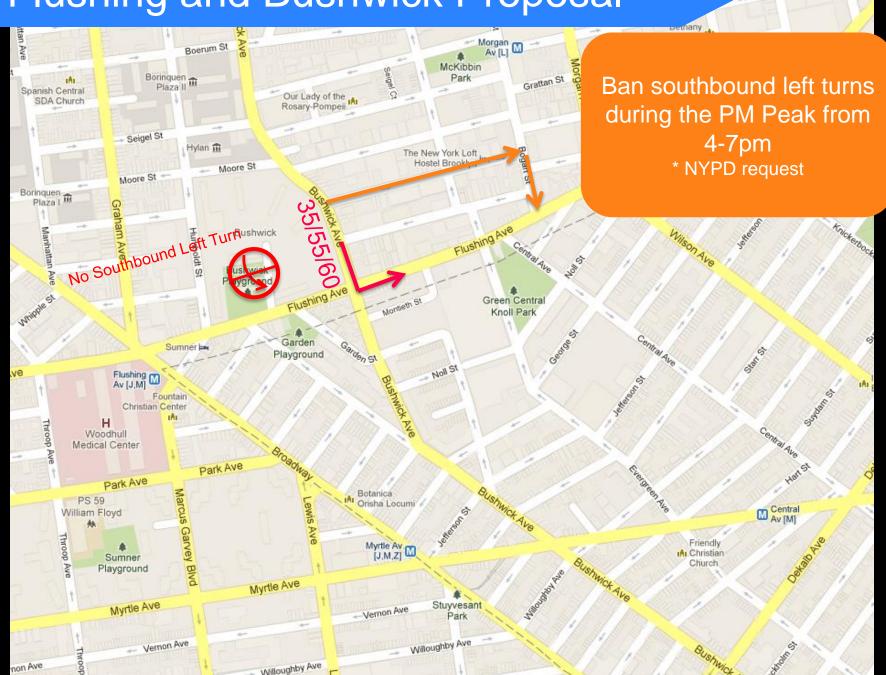
	Total Injuries	Severe Injuries	Fatalities
Pedestrian	2	0	0
Bicyclist	4	0	0
Motor Vehicle Occupant	18	0	0
Total	24	0	0

Left turns account for 31.2% of known crashes at Flushing and Bushwick compared to 7.5% at the average Brooklyn intersection

Fatalities = none

#### Flushing and Bushwick Proposal Bethany Christian Church Av [L] McKibbin Borinquen ni Plaza II Grattan St Park ıñı. Ban northbound left turns Spanish Central 0 Our Lady of the Rosary-Pompeii SDA Church during the AM Peak from Seigel St 7-10am Hylan mi The New York Loft Hostel Brooklyn Moore St Moore St Co Borinquen Plaza I No Northbound Left Turn Bushwick Bushwick Playground Green Central Knoll Park Garden Playground Flushing M Av [J,M] Fountain Christian Center H Woodhull Medical Center Park Ave Park Ave Botanica PS 59 Orisha Locumi Central Av [M] William Floyd Friendly Myrtle Av [J,M,Z] A Christian Sumner Church. Playground Myrtle Ave Myrtle Ave Stuyvesant -Vernon Ave Park Vernon Ave Willoughby Ave Willoughby Ave non Ave

## Flushing and Bushwick Proposal



### Myrtle and Bushwick Safety Issues



Myrtle Ave and Bushwick Ave Injury Summary 2006-2010

	Total Injuries	Severe Injuries	Fatalities
Pedestrian	1	1	0
Bicyclist	4	0	0
Motor Vehicle Occupant	42	0	0
Total	47	1	0

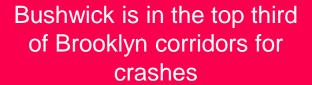
Left turns account for
23.1% of known crashes at
Flushing and Bushwick
compared to 7.5% at the
average Brooklyn
intersection

Fatalities = none

#### Milloughby Ave Myrtle Ave and Bushwick Proposal vergreen Gospel Chapel Richie's Wellow S. Gym Opera Ring Ban nouthbound left turns House Lofts Leaders 10 Lutheran School whoound Left Turn Microscope 8 Ittle skips II Zefe's Brooklyn Gallery HartSI Myrtle Av [J;M,Z] Broadway Christian A Theater Myrtle Ave Church Dunkin' Donuts Continu Stuyvesant Vernon Ave Park 11 Papa John's Support Willoughby Ave Second Corporation Stroke 782 Hart St New Creation Christian Church Goodbye Y Blue Monday Public \* New York City Pulaski St School 274 in Housing Authority's Eleanor Roosevelt II Neighborhood Pulaski St Dealer Dekalb Ave M Kosciusko St [J] Dekalb Ave

#### Willonduph Vale Myrtle Ave and Bushwick Proposal vergreen "Gospel Chapel" X Richie's Gym Opera Ring House Lofts Ban southbound left turns Leaders 10 No Southbound Left Tuthrks Ittle skips Y Zefe's Microscope & Gallery Brooklyn Myrtle Av [J;M,Z] Friendly Broadway Christian A Theater Myrtle Ave Church 11 KFC Dunkin' Donuts Suydam St Continu Stuyvesant Vernon Ave Park 11 Papa John's Supplied Willoughby Ave Second Corporation Stroke 782 Hart St New Creation Christian Church Goodbye Y Blue Monday Public A New York City Pulaski St in Housing Authority's Eleanor Roosevelt II Neighborhood Dealer Pulaski St Dekalb Ave M St [J] Kosciusko Dekalb Ave





Bushwick Ave: McKibbin St to Myrtle St Injury Summary 2006-2010

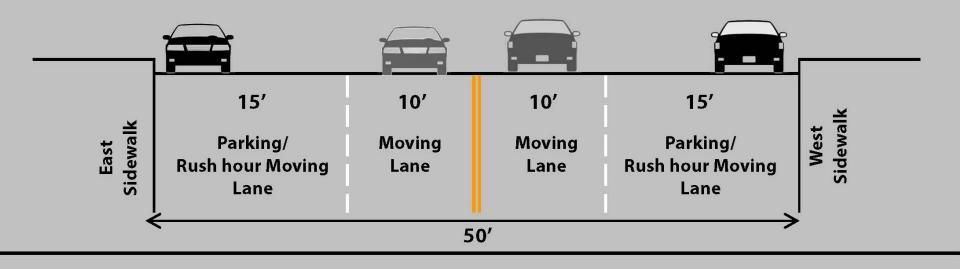
Y STATE OF THE PARTY OF THE PAR		ARCHITECTURE.	
	Total Injuries	Severe Injuries	Fatalities
Pedestrian	16	4	0
Bicyclist	24	2	1
Motor Vehicle Occupant	178	2	0
Total	218	8	1

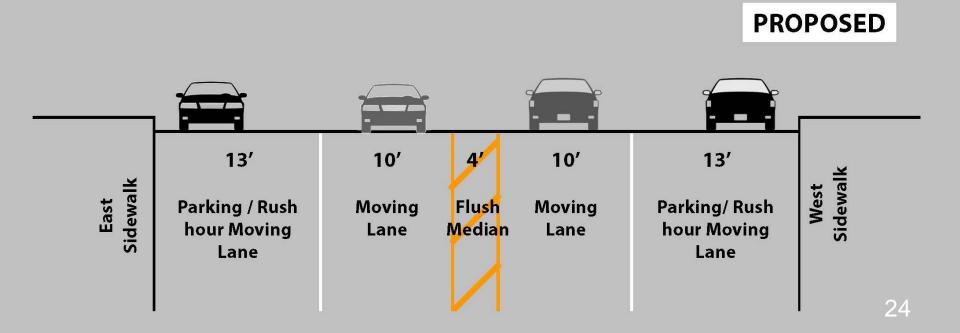
Fatalities (2006-Present)
1 Bicyclist



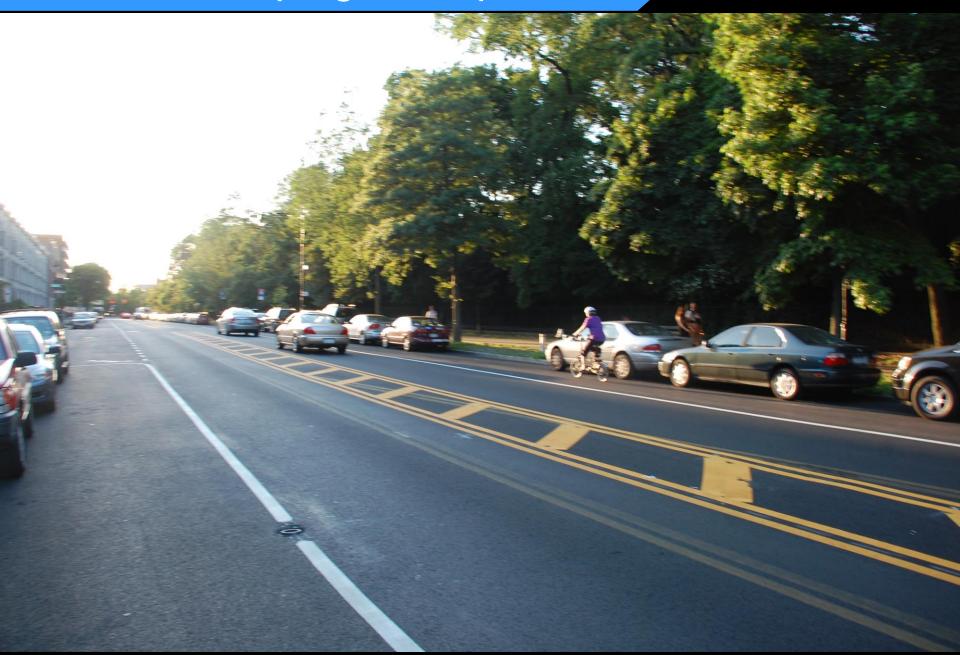
### Bushwick Updated Striping Plan

**EXISTING** 





# Bushwick Striping Example



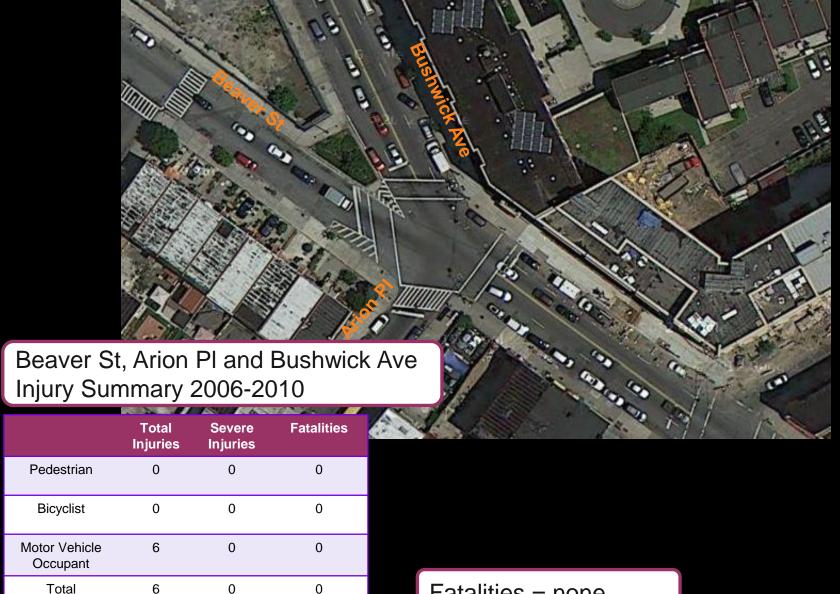
### **Proposed Improvements**

- 1. New sidewalk at Bushwick/Arion Pl/Beaver St
- 2. New concrete island at Jefferson and Bushwick
- 3. Ban left turns from Bushwick to Flushing during peak hours
- 4. Ban left turns from Bushwick to Myrtle at all hours
- Clearer street marking plan while maintaining rush-hour regulations for peak hour traffic
- 6. Improved signal timing plan along the corridor

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### Bushwick, Beaver & Arion St Safety Issues

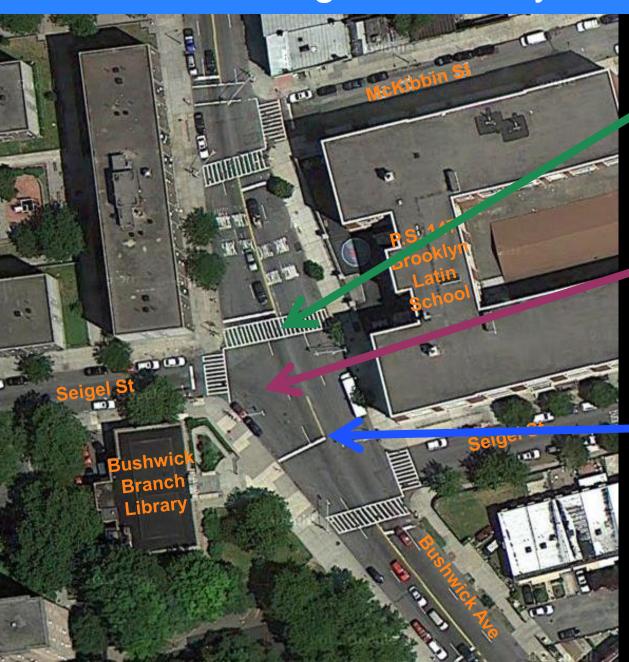


Total

Fatalities = none



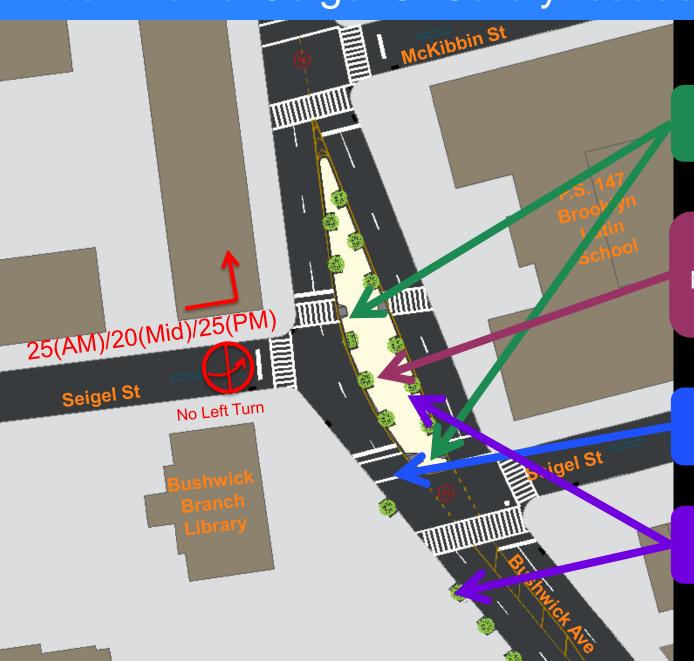
	Total Injuries	Severe Injuries	Fatalities
Pedestrian	3	0	0
Bicyclist	2	0	0
Motor Vehicle Occupant	12	0	0
Total	17	0	0



Long crosswalk

Overly wide roadway encourages speeding and weaving

Missing crosswalks



Shorter crossings

Island provides pedestrian refuge and calms traffic

New crosswalk

New trees

### **Existing Signal Phasing**

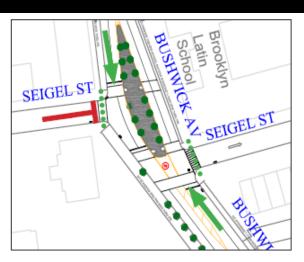




Traffic from Seigel to Bushwick does not have to stop

### **Proposed Signal Phasing**

New Pedestrian
Only Phase







## Moore St Safety Issues



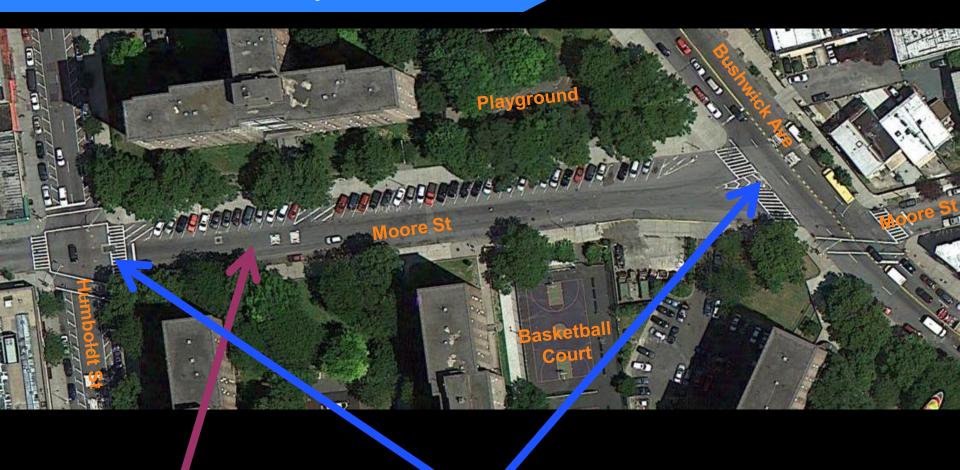
Injury Summary 2005-2009

	Total Injuries	Severe Injuries	Fatalities
Pedestrian	6	1	0
Bicyclist	3	0	1
Motor Vehicle Occupant	16	0	0
Total	25	1	1

Fatalities = 1 bicyclist

corridors for crashes

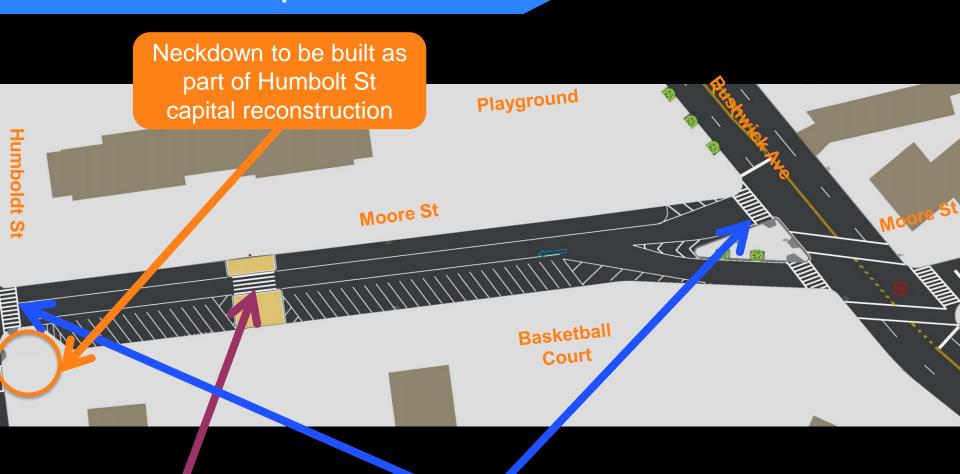
# Moore St Safety Issues



Overly wide street

Long crosswalks

### Moore St Proposal



Mid-block crosswalk and painted neckdowns

Shorter crosswalks & new concrete island and neckdown