THIRD AVENUE

School Safety Improvements

Presentation to CB 6  May 18, 2017
**Vision Zero**

- Multi-agency effort to reduce traffic fatalities in NYC
- Borough Action Plans released in 2015
- Priority Intersections, Corridors, and Areas identified for each borough

**Third Ave**

- Priority Corridor
- Priority Area

Background:

Bronx Vision Zero Priority Geographies

Project location is a Vision Zero Priority Corridor and Priority Area
More than 40 schools within a 5-minute walk of Third Ave, between E 189 St and E 161 St
BACKGROUND

Safety Data – Project Area

- 654 total injuries
- 25 severe injuries
- 48% of severe injuries are pedestrians
- Left turns and rear-end collisions comprise 43% of motor vehicle crashes
Overview of Proposal

BACKGROUND

Community District 6

Street Redesign

Intersection Improvements

Parking Regulation Upgrades

Community District 3
Corridor Safety – Shared Through / Left Turn Lane

- Local truck route
- Bx15 bus route
- Shared through/ left turn lane causes unpredictable maneuvers
Intersection Safety

- Long pedestrian crossings
- Driver confusion
- Drivers take turns at high speeds
Corridor Safety – Illegal Stopping, Standing, and Parking

BACKGROUND

• Creates dangerous conditions:
  • Poor visibility for pedestrians
  • Unpredictable vehicle movements
  • Passengers boarding/alighting in travel lane

• Includes:
  • Auto repair and sales
  • School pick-up and drop-off
  • Commercial vehicles
  • Passenger vehicles
BACKGROUND

Corridor Safety – Illegal Stopping, Standing, and Parking

Double Parking Observed
- Auto garages and car sales
- School pick-up and drop-off
- Commercial vehicles
- Passenger vehicles
- School

Third Ave is signed for Alternate Side Parking today with limited truck loading regulations.
PROPOSAL

Proposed Configuration - Third Ave (E 164 St – E Tremont Av)

Wide Roadway creates long pedestrian crossings

Shared thru/left turn lane leads to unpredictable vehicular movements and unsafe left turns

Turn bays improve traffic flow and create simpler, safer left turns

Pedestrian refuge islands create safer crossings and safer vehicle turns

Extra space allows for addition of bike lanes to dedicate space for cyclists, and increase predictability
PROPOSAL – DRAFT THIRD AVE DESIGN

Proposed Configuration - Third Ave (E 175 St – E Tremont Av)

- Add right turn lane
- Add left turn lane
- Dedicated through lanes
- Third Ave transitions from proposed 3 lanes to existing 4 lanes

- Bx15 Bus Stop
- Eagle Academy

Tremont Park
PROPOSAL
Evaluation of Lane Removal

Congested Lane
• 700 vehicles per hour or above

Existing (2 lanes)
• Maximum* 251 vehicles per lane

Proposal (1 lane + left turn bays)
• Maximum 502 vehicles per lane
  *Maximum Recorded Peak Volume (AM & PM) at Third Ave, between E Tremont Ave and E 176 St

Signal Timing
• Modify signal timing on Third Ave between E Tremont Ave and Cross Bronx Expy to improve traffic flow and improve left turns
Safety Results From Similar Treatments

- **44%** Change in Crashes with Injuries
  - Macombs Rd, Bronx

- **28%** Change in Crashes with Injuries
  - Allerton Ave, Bronx

- **16%** Change in Crashes with Injuries
  - Bronxwood Ave, Bronx

- **20%** Change in Crashes with Injuries
  - Southern Blvd, Bronx

4 Lane to 3 Lane Traffic Calming Projects
Concrete Curb Extension at E 187 St and Washington Av

• Complex intersection
• Existing width of crossing encourages unsafe vehicle turns onto Washington Av
• Proposed concrete curb extension on southwest corner of Washington Av at Third Av:
  • controls vehicle turns
  • shortens pedestrian crossing
  • aligns intersection
  • improves safety
PROPOSAL

Hardened Centerline at E 188th St

- Offset intersection
- Drivers make unsafe left turns onto E 188 St across double yellow line
- Proposed hardened centerline:
  - calms left turns
  - increases motorist visibility of pedestrians in crosswalk

Example of hardened centerline to be installed on double yellow line

Third Ave and E 188 St (2010 – 2014)
- 1 fatality
- 3 severe injuries
- 14 total injuries

Drivers make danger left turn across double yellow line
THANK YOU!

Questions?

Contact: NYCDOT Bronx Borough Commissioner’s Office – (212) 748-6680