Top **10%** in terms of amount of fatalities and severe injuries*

*Whites Plains Rd between Birchall Ave to Soundview Ave*
White Plains Rd Traffic Calming

Project Area

Safety Issues: Why White Plains Rd

Solutions
White Plains Rd
CB 11 - Birchall Ave to E Tremont Ave
CB 9 - E Tremont Ave to Soundview Ave

6 lanes (4 travel, 2 parking)
60’ wide roadway
Background White Plains Rd

Identified as a High Crash Corridor

4 recent fatalities 2012-13

Vision Zero - Prioritizing safety by addressing High Crash Roads
Safety Issue: Severe Crashes

8
Fatalities*

27
Fatalities/Severe Injuries per Mile**

230
Average Injuries per Year**

*2007-14 **2008-12
Safety Issue: Speeding

48-68% of Motorists over Speed Limit*

*White Plains Rd Corridor Birchall Ave to Soundview Ave
Solutions: Traffic Calming

**EXISTING**
- 19’ Combined Parking/Moving Lane
- 11’ Moving Lane
- 11’ Moving Lane
- 19’ Combined Parking/Moving Lane

**PROPOSED**
- 14’ Wide Parking
- 11’ Moving Lane
- 11’ Moving Lane
- 14’ Wide Parking

- Install 10’ Left Turn Bays
- Install wide 14’ parking lane stripe
Solutions: Traffic Calming

**3 Lanes**
Birchall Ave to Cross Bronx Expy
Bruckner Expy to Soundview Ave

**PROPOSED**

- **14' Wide Parking**
- **11' Moving Lane**
- **10' Turn Bay/Flush Median**
- **11' Moving Lane**
- **14' Wide Parking**

**4 Lanes**
Cross Bronx Expy to Bruckner Expy

**PROPOSED**

- **8' Parking**
- **11' Moving Lane**
- **11' Moving Lane**
- **11' Moving Lane**
- **8' Parking**

Map showing the proposed routes with CB 11 and CB 9 marked.
Evaluation of Lane Removal CB 9 Area

**Congested Lane**
- 700 vehicles per hour or above

**Existing (2 lanes)**
- Maximum 249 vehicles per lane

**Proposal (1 lane + left turn bays)**
- Maximum 498 vehicles per lane

*Maximum Recorded Peak Volume- AM Peak Story Ave*

**Example Intersection:**

**White Plains Rd at Story Ave**
- **Existing:** 17.8 seconds delay
- **Proposal:** 20.5 seconds delay

*Intersection Typical of Route Highest Peak Volume AM 8-9*
Solutions: Avoids Adverse Traffic Impacts

Peak 8-9 AM

Minor Change Traffic Level of Service

Story Ave B to C - 3 Seconds
Solutions: Avoids Adverse Traffic Impacts

Peak 5-6 PM

Maintains Traffic Level of Service
Solutions: Crashes & Speeding

Existing
Solutions: Crashes & Speeding

Proposed
Safety Issue: Cross Bronx Expressway

Existing

37% Rear End
20% Sideswipes
Solutions: Cross Bronx Expressway

Proposed

Cross Bronx Service

ONLY
Safety Issue: Westchester Ave

Existing

Difficult Transition

Westchester Ave

White Plains Rd

Poor Crosswalk Visibility
Solutions: Cross Bronx Expressway

- Cross Bronx Expwy
- Alt Route
- Leland Ave
- White Plains Rd
- Westchester Ave

Proposed

LOW
29 VPH AM
20 VPH PM
Solutions: Bruckner Blvd

Refurbish Markings & Clarify Lane Designations
Proposal Elements & Benefits

Painted Median, Parking Stripes & Left Turn Bays

- Removes excess capacity and reduces ability to speed
- Less weaving and better organized traffic
- Safer pedestrian crossings
- Simpler, safer left turns

Targeted Improvements - White Plains Rd

- Cross Bronx Expressway
- Westchester Ave
- Bruckner Blvd