

White Plains Rd

Traffic Calming

Bronx

June
2014



Commissioner Polly Trottenberg New York City Department of Transportation
Office of Research, Implementation & Safety
June 5th, 2014 to Community Board 9



High Crash Corridor



**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



Project Area

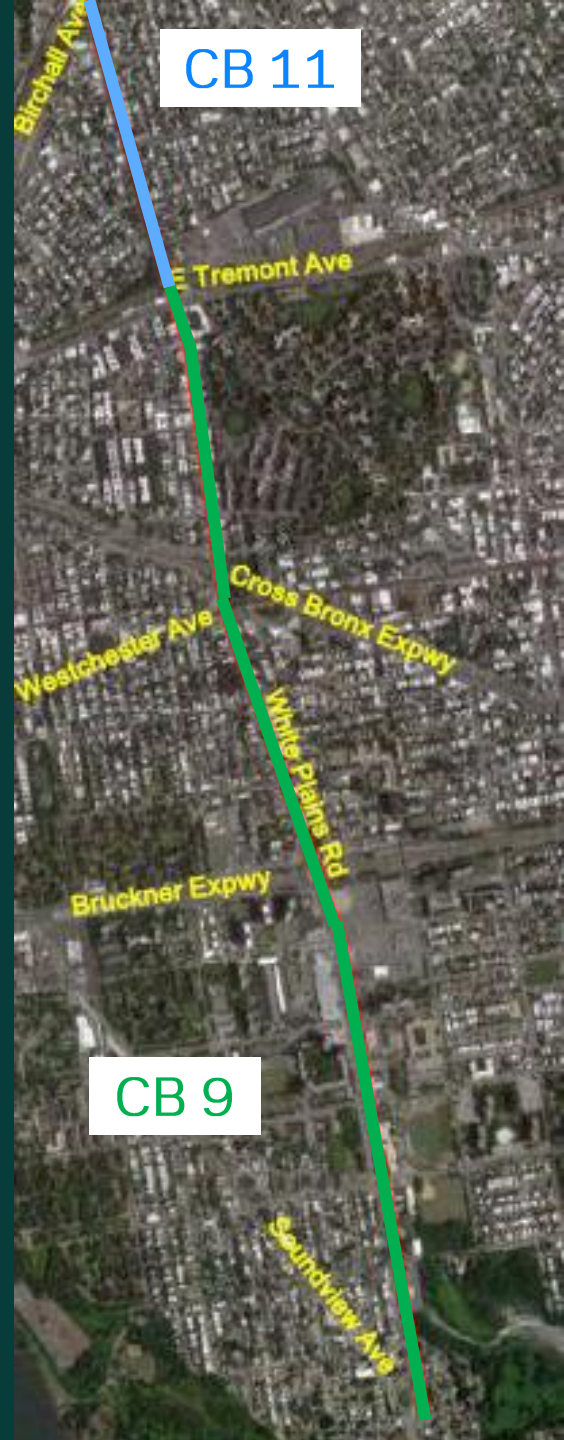
White Plains Rd

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

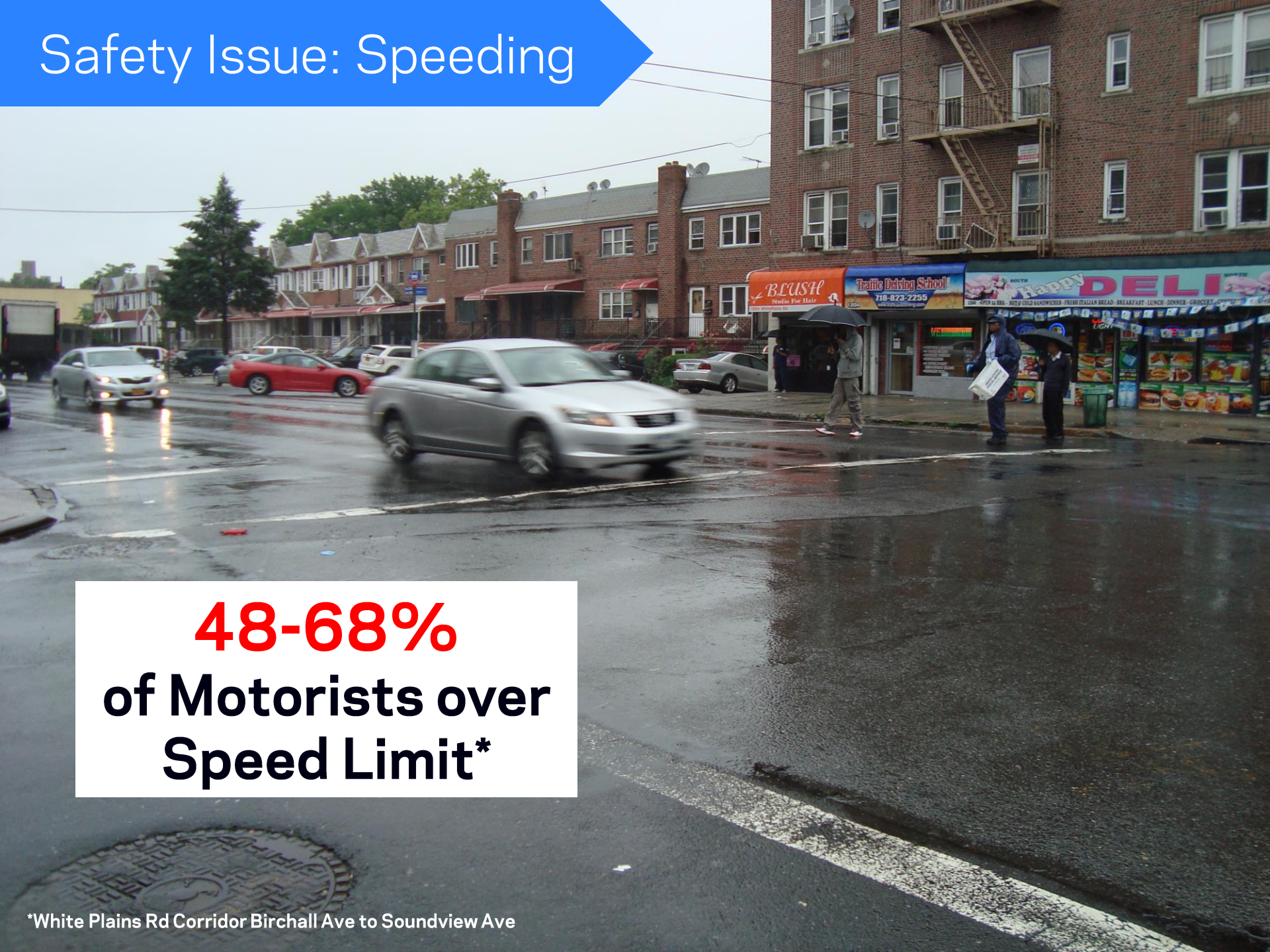
**Fatalities/Severe
Injuries per Mile****

230

**Average Injures
per Year****



Safety Issue: Speeding

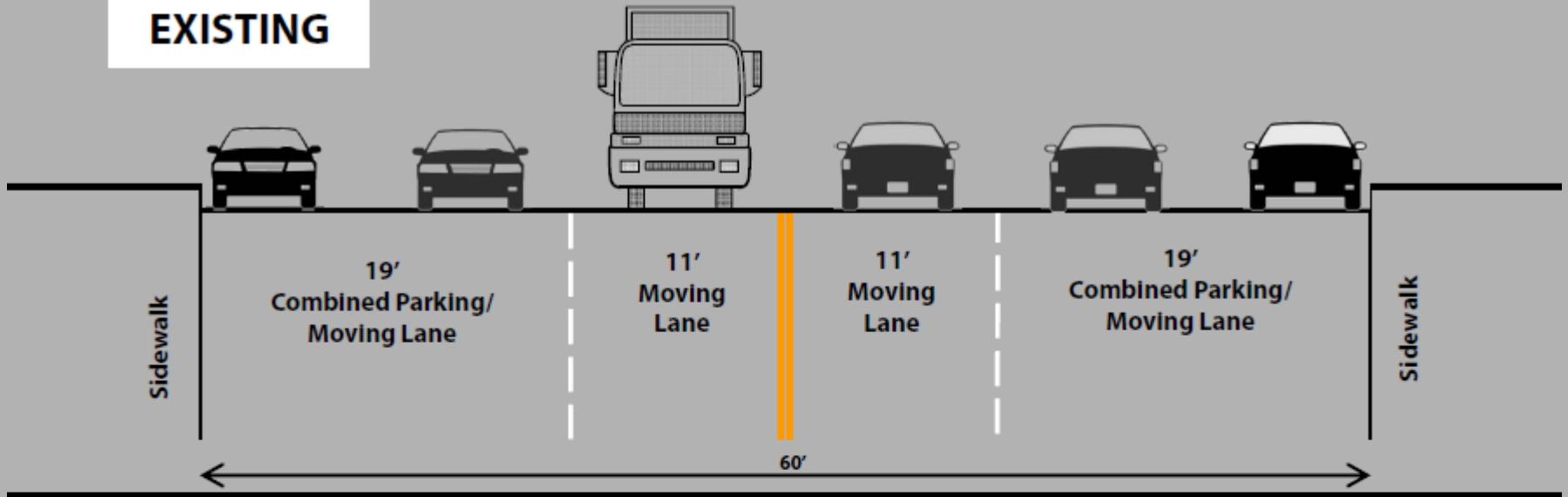


48-68%
of Motorists over
Speed Limit*

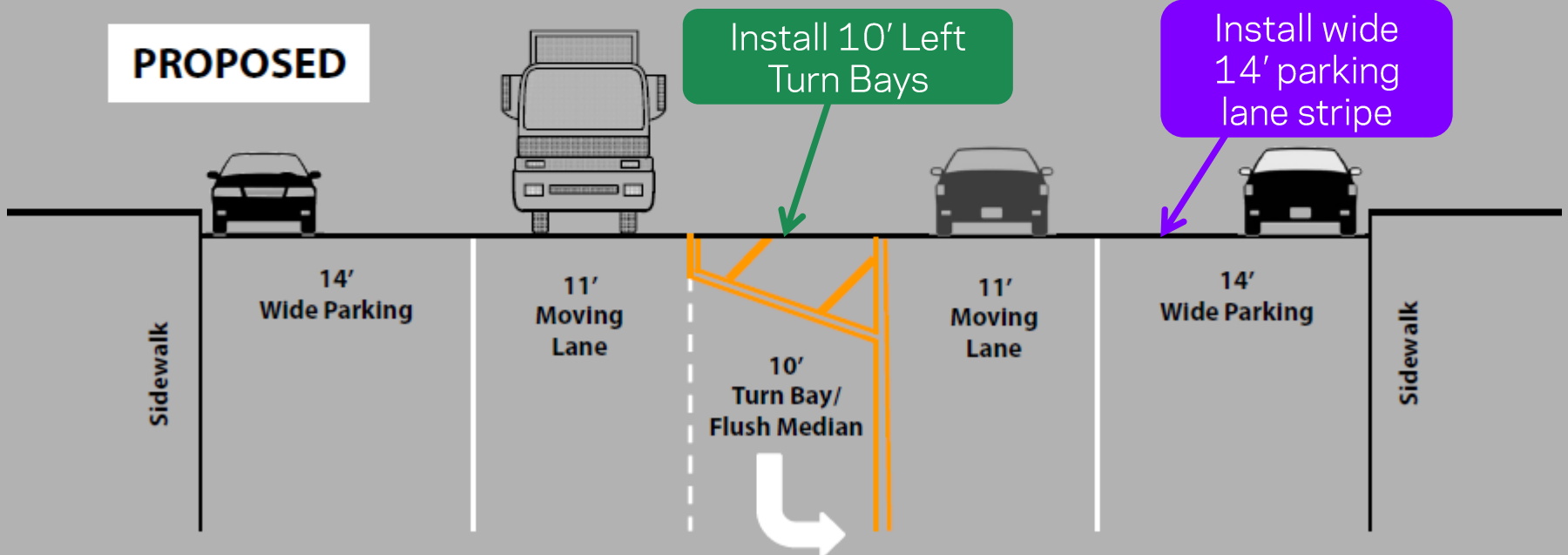
*White Plains Rd Corridor Birchall Ave to Soundview Ave

Solutions: Traffic Calming

EXISTING



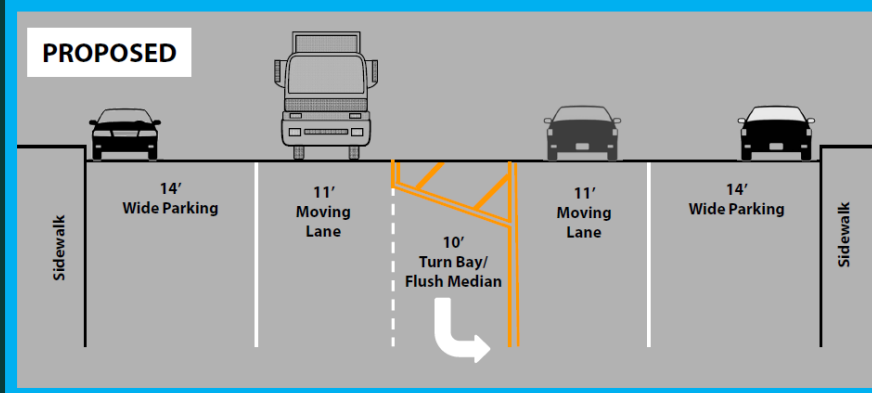
PROPOSED



Solutions: Traffic Calming

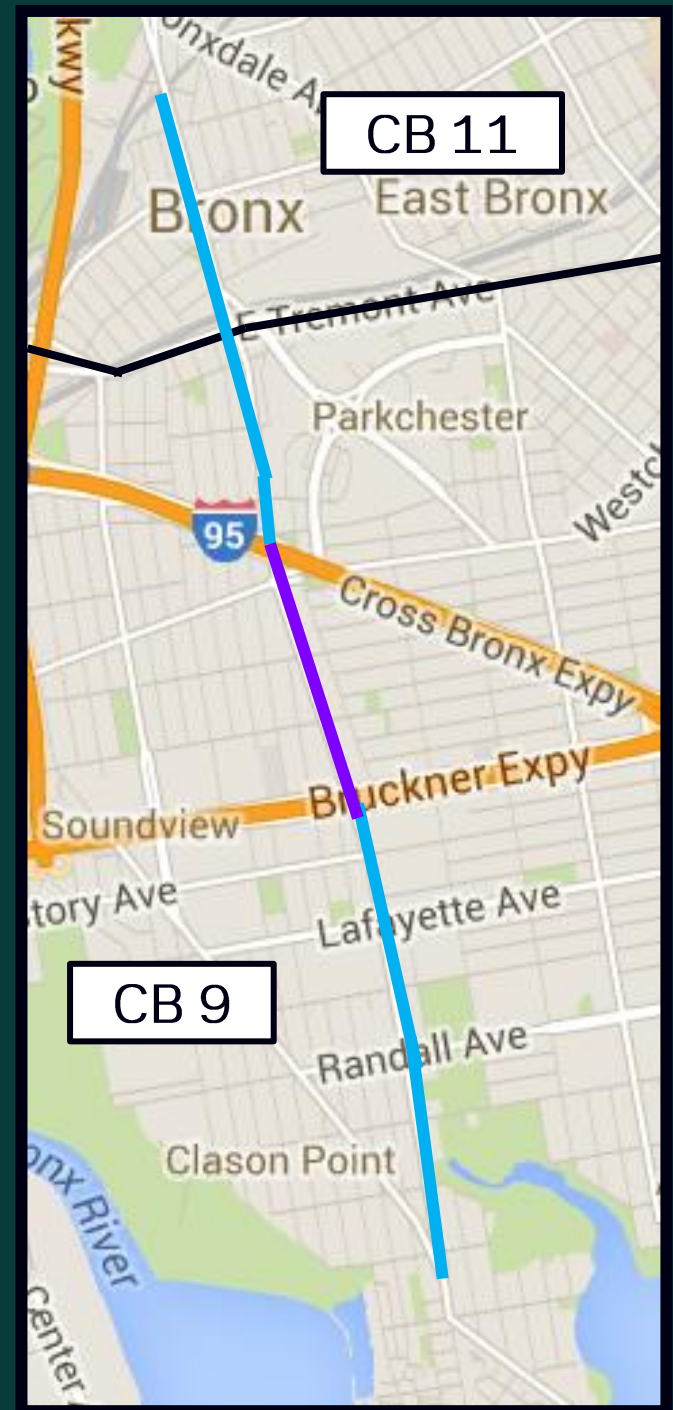
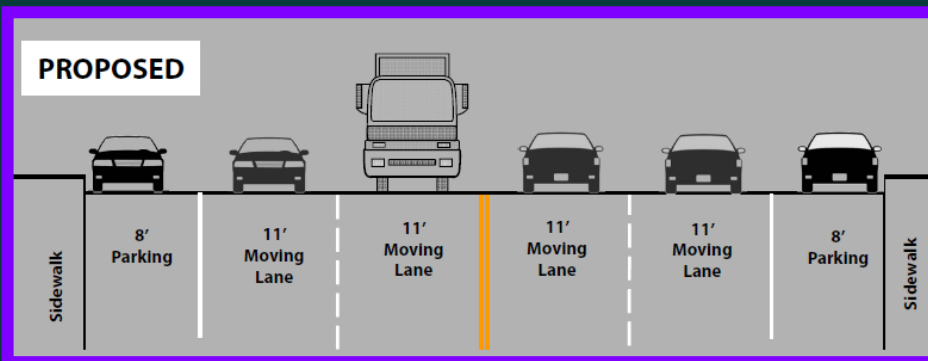
3 Lanes

Birchall Ave to Cross Bronx Expy
Bruckner Expy to Soundview Ave



4 Lanes

Cross Bronx Expy to Bruckner Expy



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

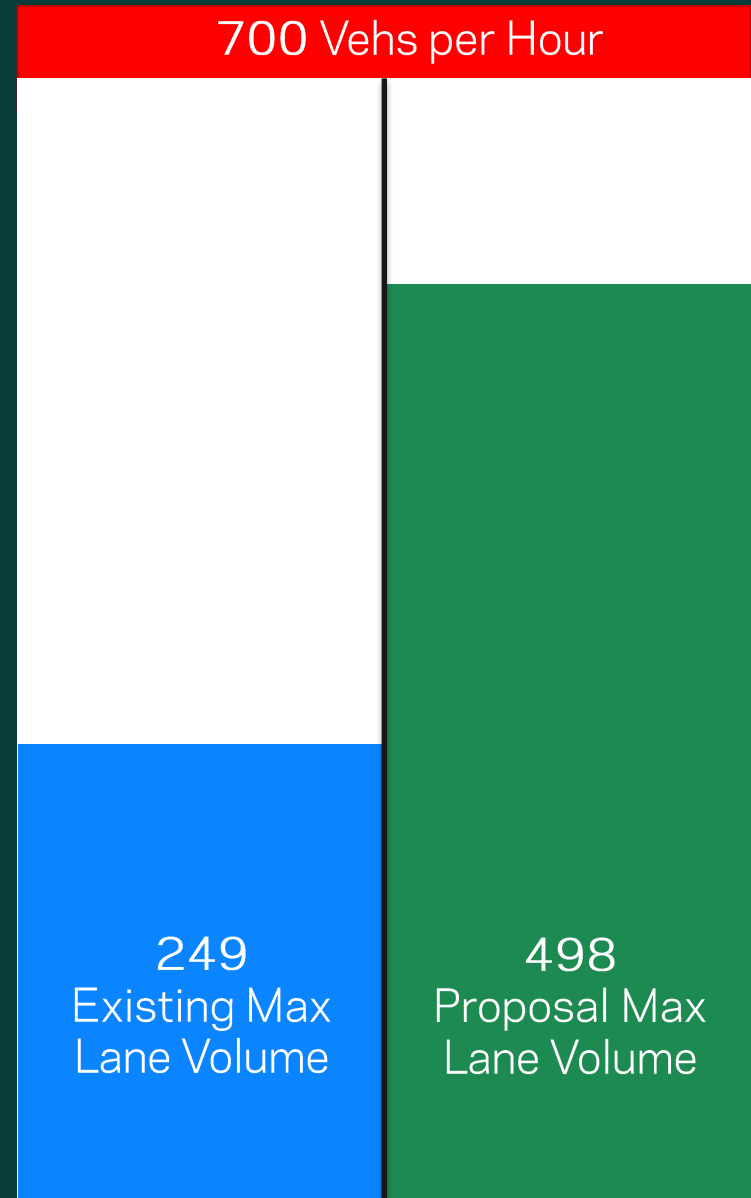
Maximum Recorded Peak Volume- AM Peak Story Ave

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

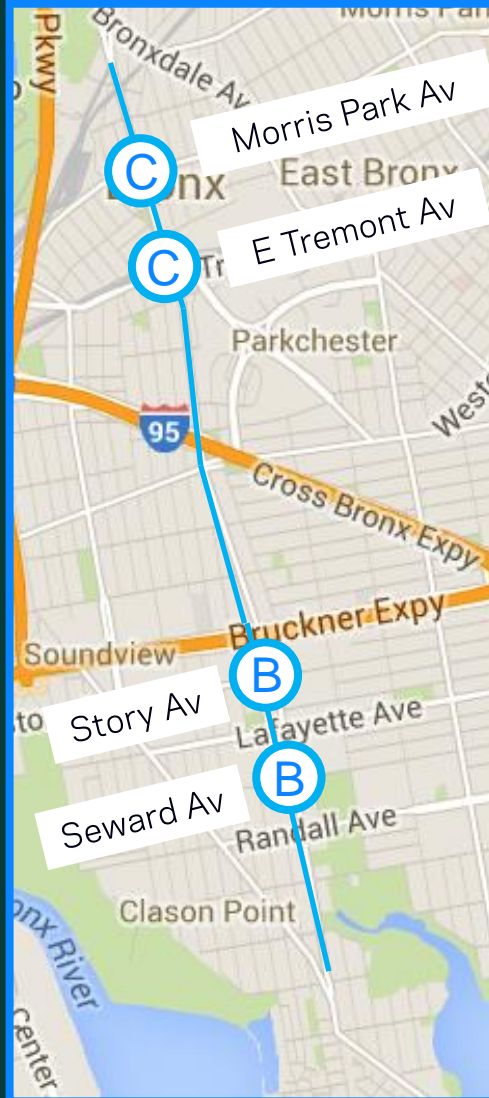
Solutions: Avoids Adverse Traffic Impacts

Peak
8-9 AM

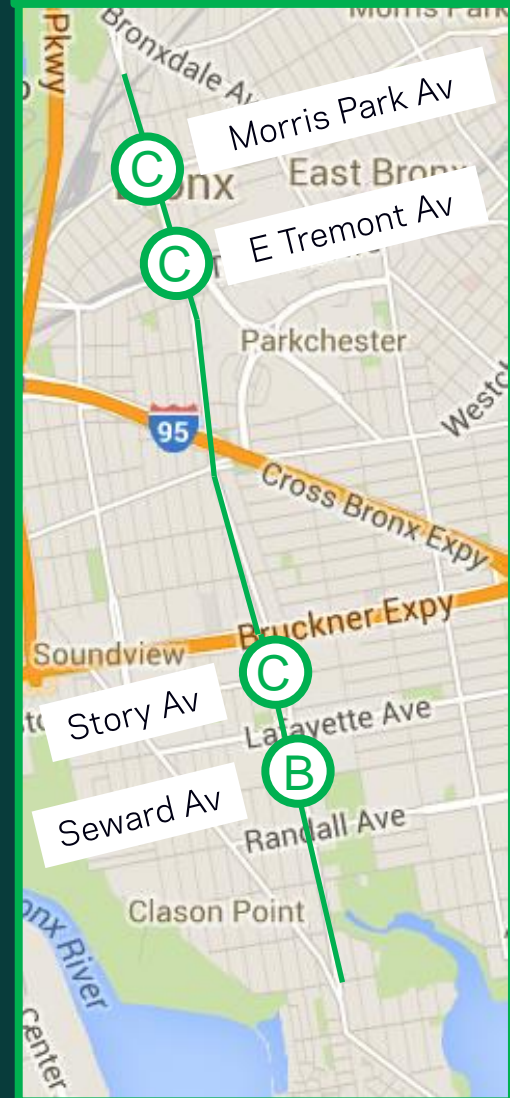
Minor Change
Traffic Level of Service

Story Ave
B to C- 3 Seconds

Level of Service
Existing



Level of Service
Proposed

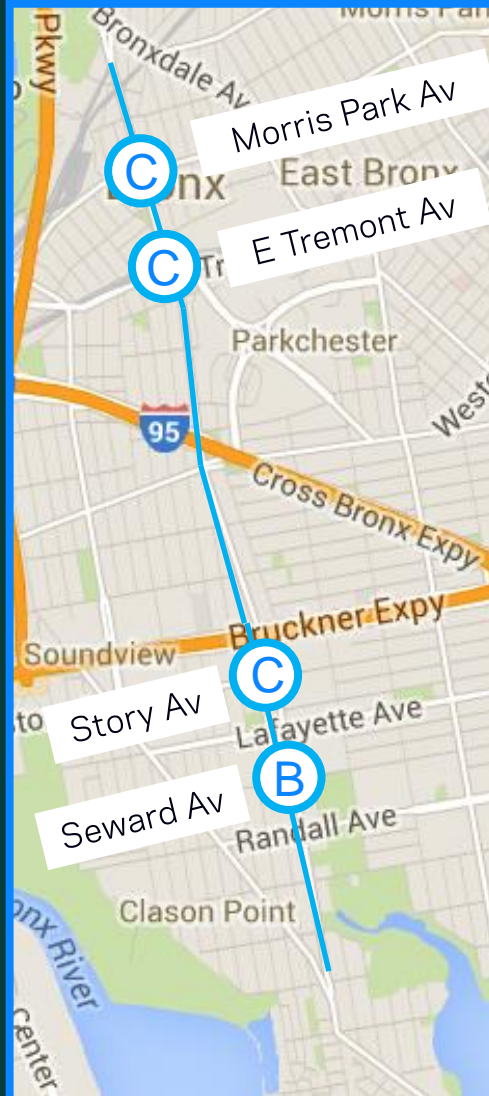


Solutions: Avoids Adverse Traffic Impacts

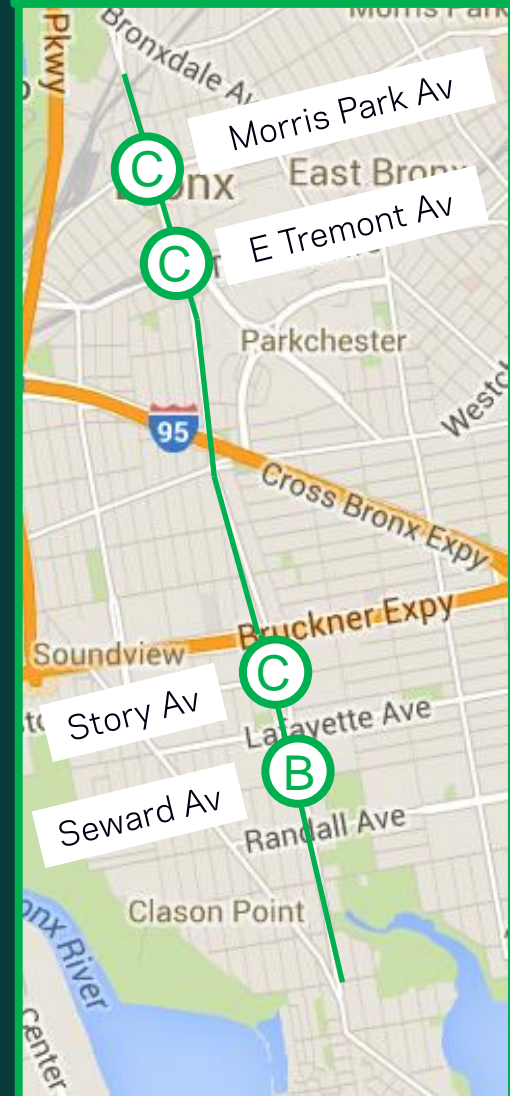
Peak
5-6 PM

**Maintains
Traffic
Level of Service**

Level of Service
Existing



Level of Service
Proposed



Solutions: Crashes & Speeding

Existing



Safety Issue: Cross Bronx Expressway

Existing



Cross Bronx
Service

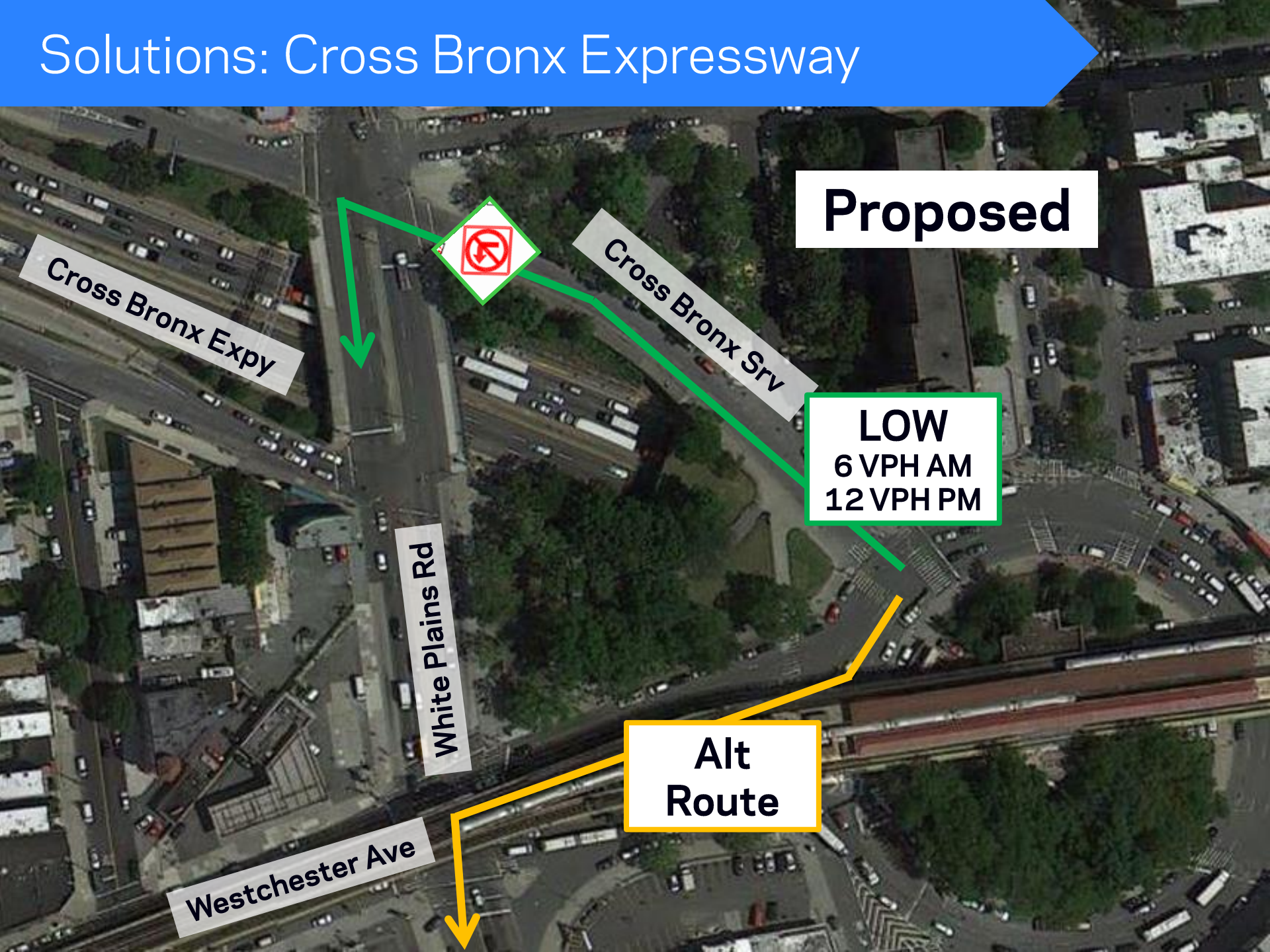
37%
Rear End
20%
Sideswipes

Solutions: Cross Bronx Expressway

Proposed



Solutions: Cross Bronx Expressway



Proposed

LOW
6 VPH AM
12 VPH PM

**Alt
Route**

Cross Bronx Expy

Cross Bronx Srv

White Plains Rd

Westchester Ave

Safety Issue: Westchester Ave

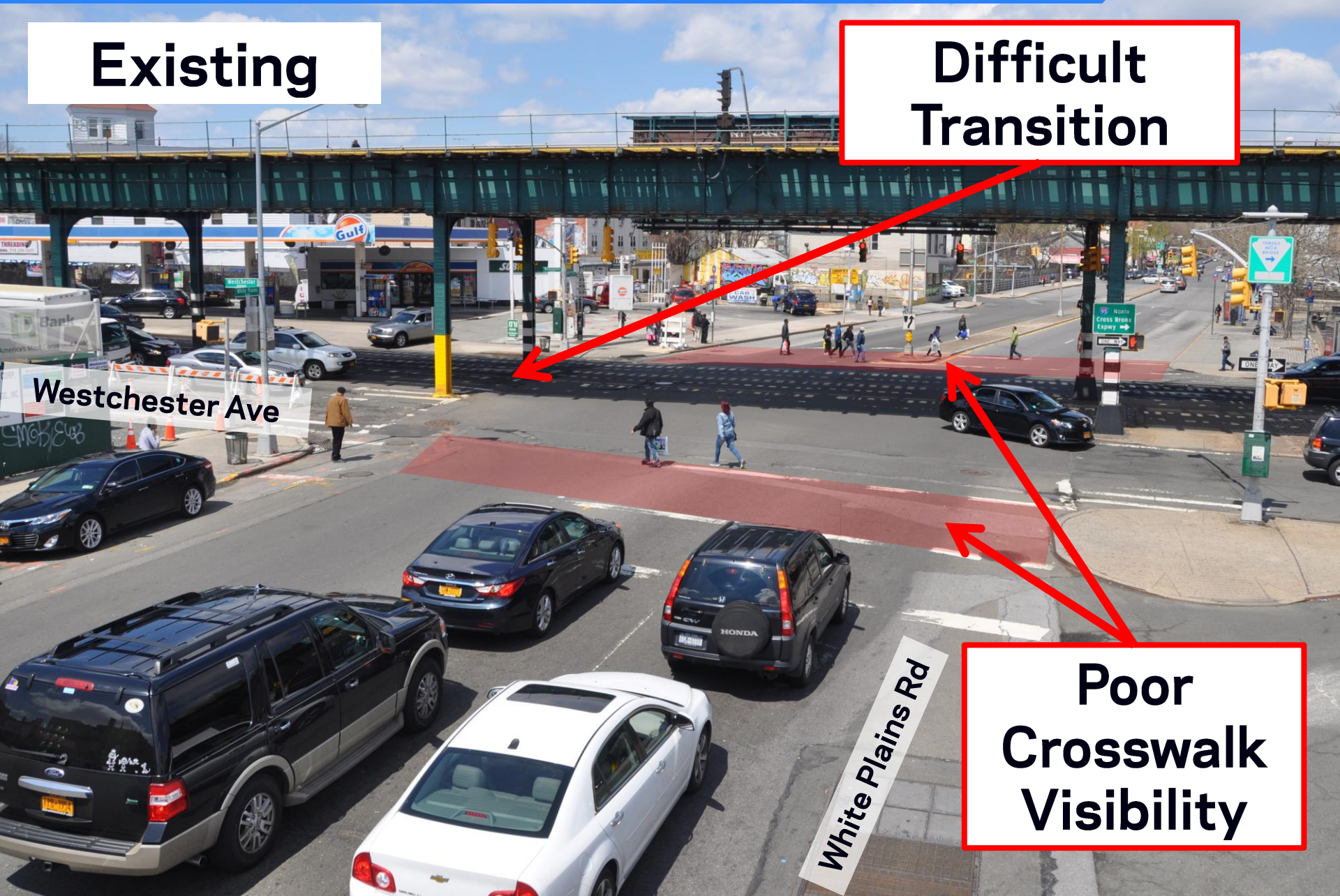
Existing

**Difficult
Transition**

Westchester Ave

White Plains Rd

**Poor
Crosswalk
Visibility**



Solutions: Westchester Ave

Proposed

Westchester Ave

Crosswalk
Visibility

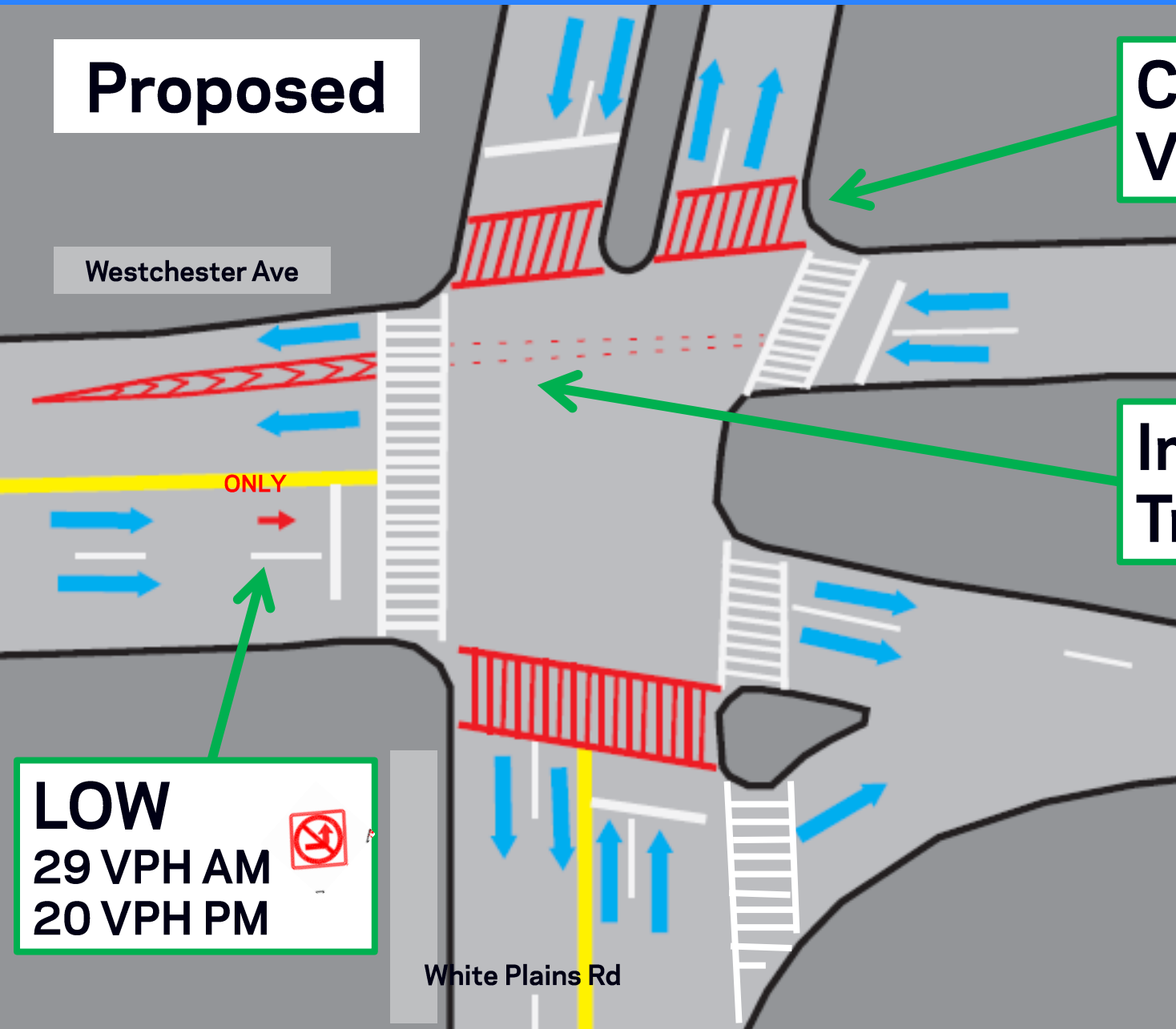
Improve
Transition

ONLY

LOW
29 VPH AM
20 VPH PM



White Plains Rd



Solutions: Cross Bronx Expressway

Proposed

Cross Bronx Expy

**Alt
Route**

White Plains Rd

Westchester Ave

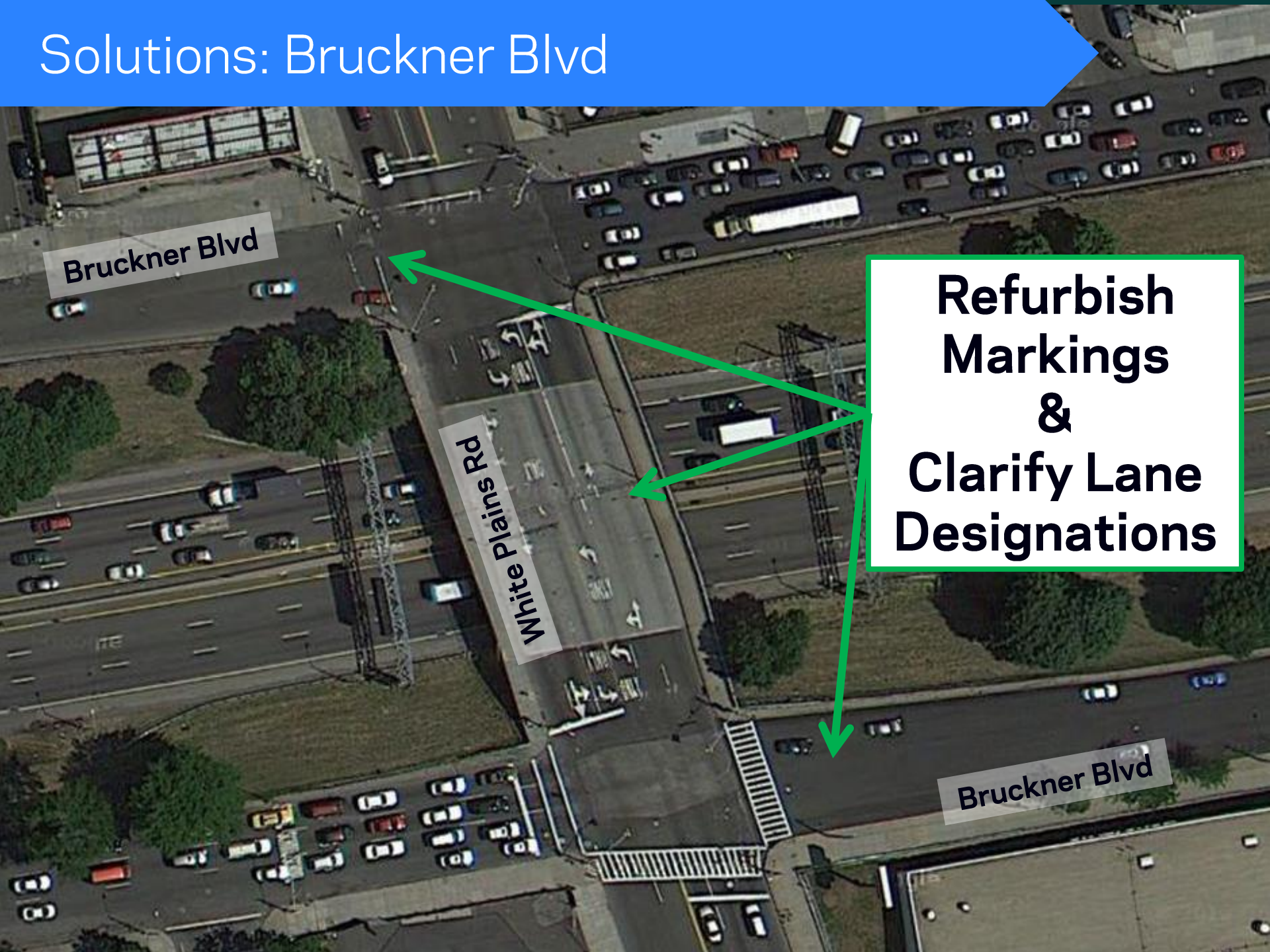
Leland Ave

Westchester Ave

LOW
29 VPH AM
20 VPH PM



Solutions: Bruckner Blvd



Bruckner Blvd

White Plains Rd

**Refurbish
Markings
&
Clarify Lane
Designations**

Bruckner Blvd

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

Questions?

**Thank
You**