



## Hylan Boulevard Corridor Transportation Improvement Study

# Public Meeting

June 8, 2011

# Agenda

- Welcome/Introductions
- Project Recap
- Feedback from Stakeholders
- Traffic and Bus Delays along the Corridor
- Potential Traffic, Bus Service and Technology Options
- Select Bus Service along the Corridor
- Group Discussion of Options
- Recap and Next Steps

# Project Goals

- Improve traffic flow
- Reduce bus travel time and improve reliability
- Improve transit access to Manhattan, Brooklyn and to Staten Island destinations
- Improve safety for all corridor users

# Project Timeline

## **Understand the Corridor** *(Complete)*

- Studies of traffic, parking, delivery needs, and bus ridership
- Feedback from CAC and public meeting in Fall 2010

## **Identify Potential Options** *(In Progress)*

- Improve transit, traffic, and safety for all users
- Assess options in four typical focus areas

## **Develop Draft Concept Plan** *(Summer 2011)*

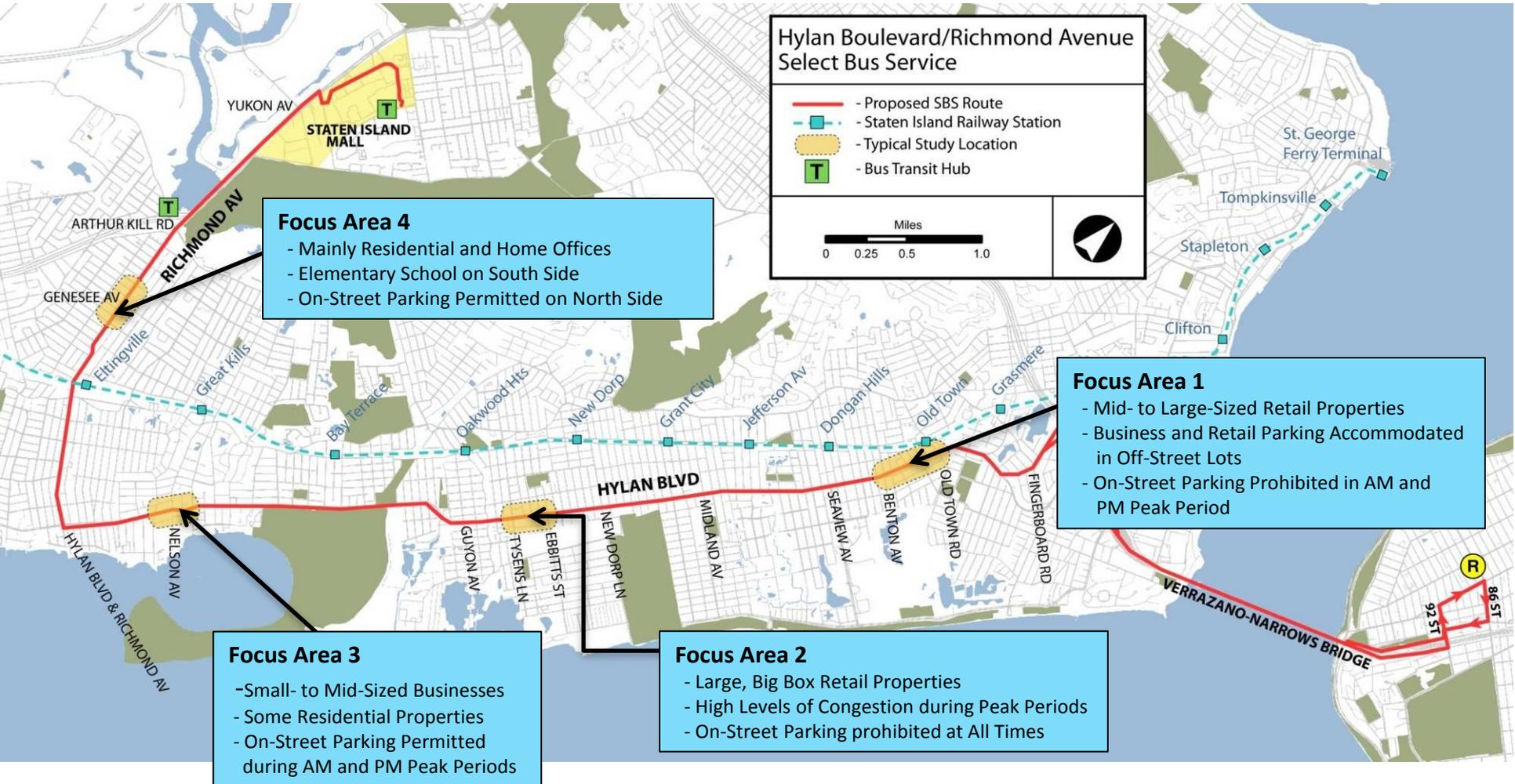
- Evaluate options at 25 intersections
- Consider effects on bus passengers, drivers, pedestrians, and parking

## **Develop Preferred Plan with Stakeholders** *(Fall 2011)*

- Conduct additional meetings with CAC and public
- Prepare implementation plan

**Implement the Project** *(Target 2012 or 2013)*

## Study Corridor



# Concerns from CAC and Public Meeting

## Issues Raised in 2010-11

- Reduce congestion
- Improve safety for drivers and pedestrians
- Enforce traffic regulations more aggressively
- Buses are too slow
- Maintain on-street parking and delivery access for businesses
- Provide more time for pedestrians to cross Hylan Boulevard
- Provide sidewalks where none exist

## Traffic Conditions – A.M.

- Congestion occurs primarily northbound between Guyon and Seaver Avenues.
- Most other intersections operate well.
- Traffic flows better southbound.



## Traffic Conditions – P.M.

- Congestion is heaviest at New Dorp Lane and Tysens Lane
- Most other intersections operate well.
- Traffic flows better northbound.



## Bus Passenger Delays

### Causes:

- Traffic congestion
- Frequent express bus stops
- Avoiding stopped buses
- Avoiding parked cars
- Narrow lanes
- Paying fare on bus



# Ongoing Improvements

- Left-Turn Bays
- Senior Safety Pedestrian Refuge Islands
- Hylan/New Dorp Reconstruction
- Hylan/Steuben Signal Improvements
- Amboy Road Congested Corridor Study
- Countdown Pedestrian Signals
- Extended S78 to Bricktown Mall
- Added ten peak hour Hylan Boulevard corridor express bus trips in 2011

# Concept Development Guidelines

- Focus on improvements that can be implemented quickly and that do not adversely affect safety or traffic flow
- Build on the left-turn lane improvement projects being implemented starting 2011
- No roadway widening unless significant benefits are likely
- Maintain on-street parking and deliveries for businesses

# Toolbox: Traffic and Safety

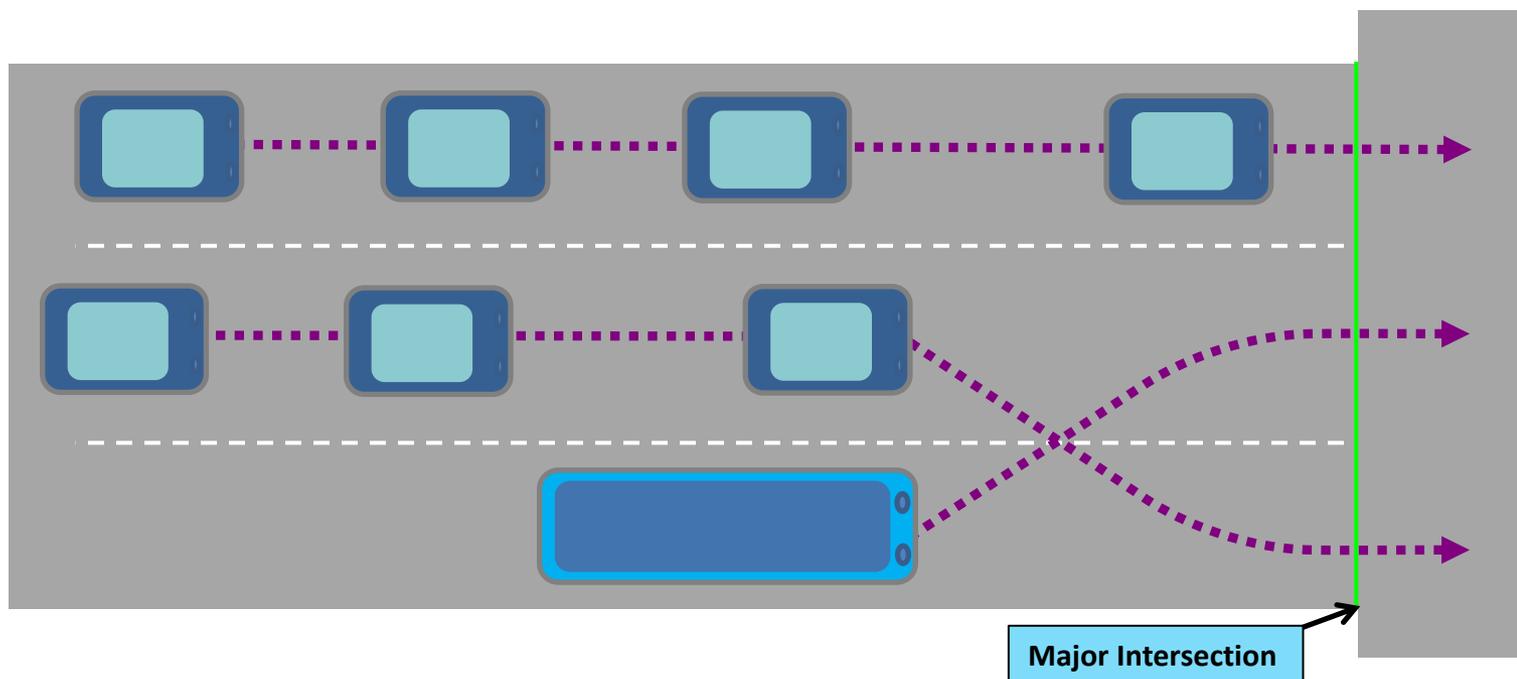
- Left-Turn Lane Improvement Projects
- Signal Timing Optimization
- Pedestrian Islands
- Sidewalks
- Wider Medians
- Advance Signals



Wider Medians

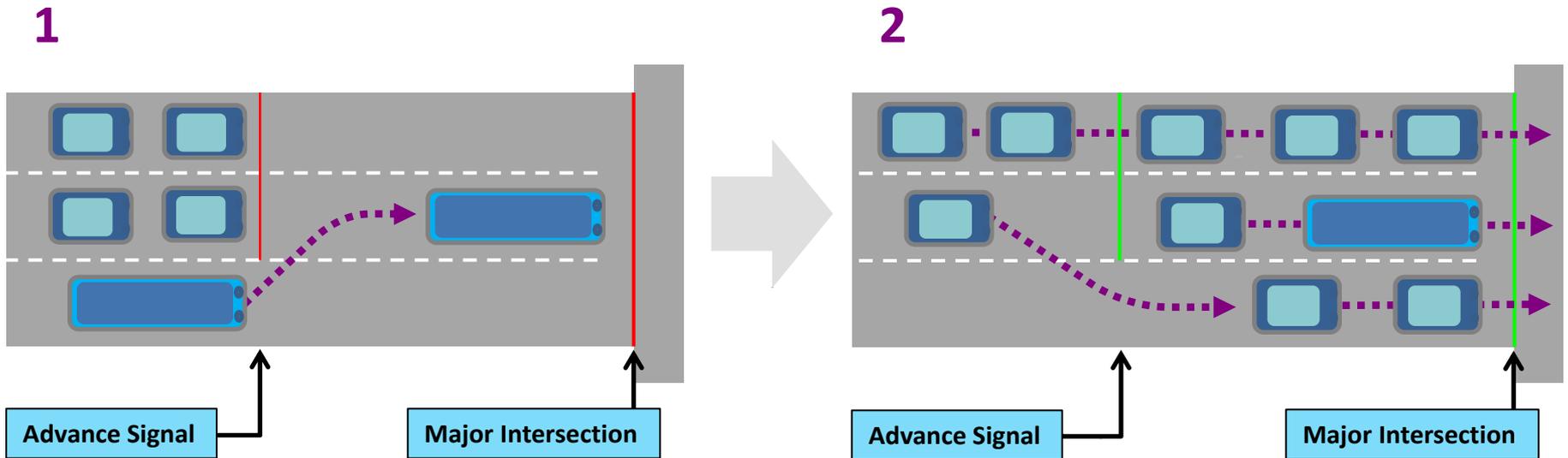
# Advance Signal

- Green time for Hylan Boulevard is limited at busy intersections.
- Goal: Move as many vehicles as possible on green signal
- Issue: Weaving of cars and buses clogs the intersection



# Advance Signal (cont'd)

- Solution: Separate bus and car weaving *before* light turns green
- Reduced weaving allows more efficient (and safer) flow through intersection



# Toolbox: Bus Service

- Curb Bus Lane or Offset Bus Lane
- Simplified Service Pattern
- Longer Stop Spacing
- Streamlined Route Path



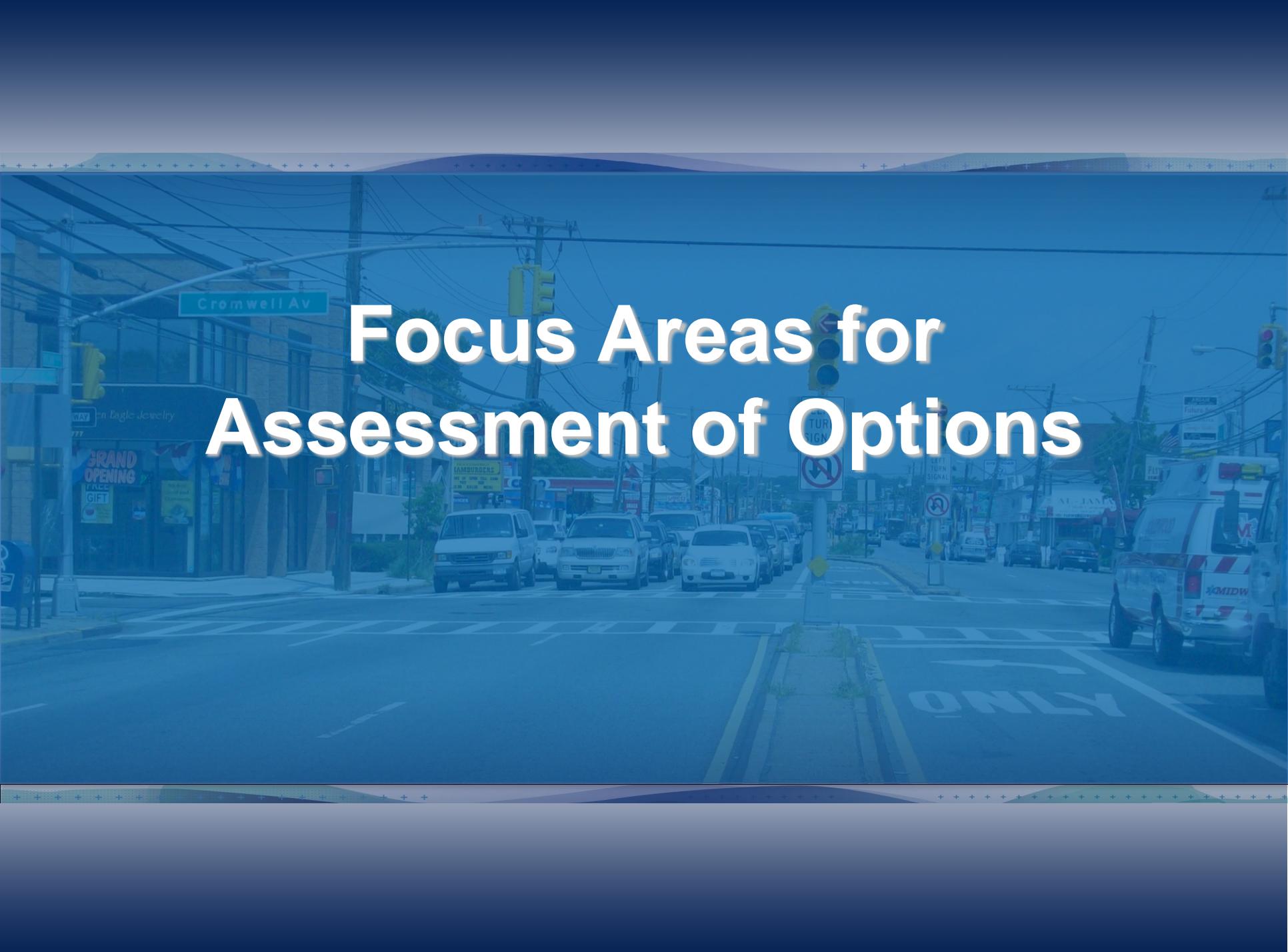
Select Bus Service Bus

# Toolbox: Technology

- Transit Signal Priority
- Real-time Bus Information
- Advanced Payment System



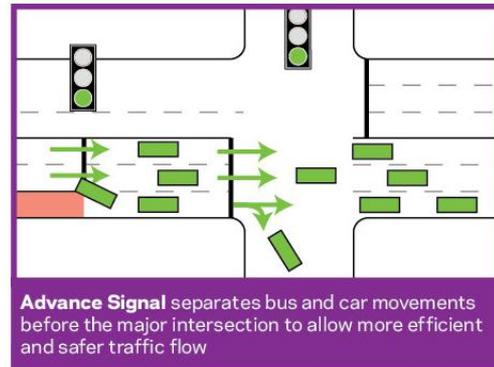
Real-time Bus Information

A blue-tinted photograph of a city street intersection. The street is lined with buildings, including one with a 'BRAND OPENING' sign. Several cars are visible in traffic, and a white van with 'KMDW' branding is on the right. Traffic lights and street signs are present. The text 'Focus Areas for Assessment of Options' is overlaid in white, bold font.

# Focus Areas for Assessment of Options

## Typical Focus Area

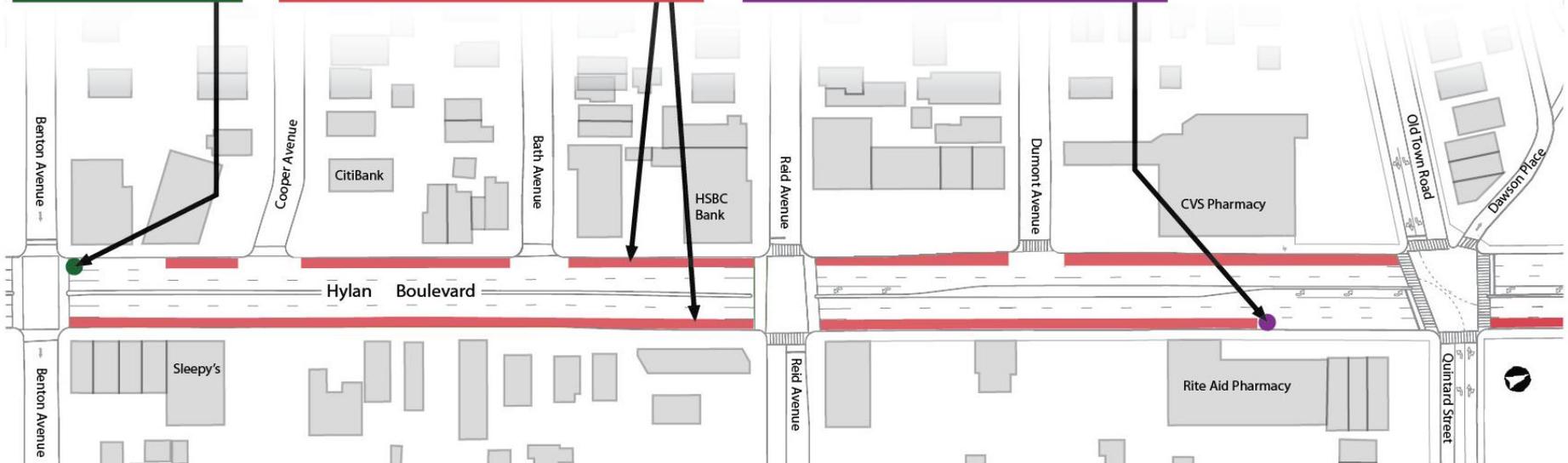
### HYLAN BOULEVARD: OLD TOWN ROAD TO BENTON AVENUE



#### Map Key

Improvements Under Consideration

- Bus lanes
- Transit Signal Priority (TSP)
- Advance Signal



## Typical Focus Area

### HYLAN BOULEVARD: EBBITTS STREET TO TYSENS LANE

**Advance Signal** separates bus and car movements before the major intersection to allow more efficient and safer traffic flow

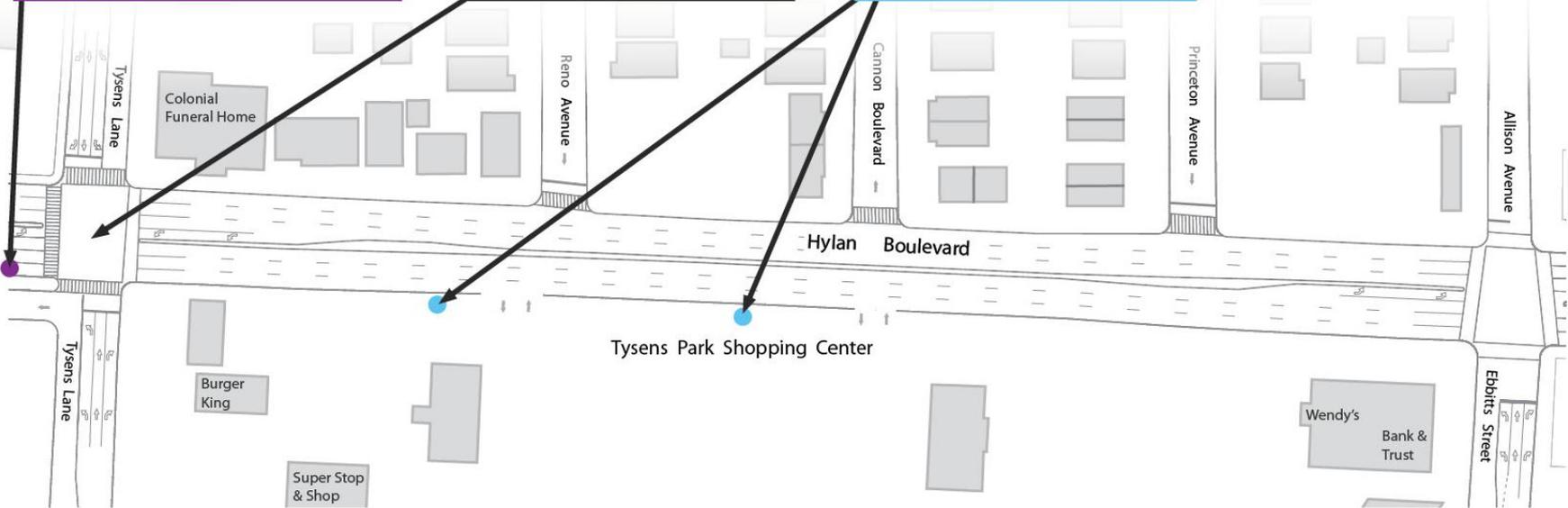
**Traffic Signal Timing Improvements** reduce delays

**Bus Lay-by** improves traffic flow in and next to the curb lane

#### Map Key

Improvements Under Consideration

- Advance Signal
- Bus Lay-by



## Typical Focus Area

### HYLAN BOULEVARD: CLEVELAND AVENUE TO WIMAN AVENUE



**Widened and Landscaped Median**  
Median beautifies the street and allows for pedestrian refuges



**Pedestrian Refuge Island** helps reduce crossing distances for pedestrians

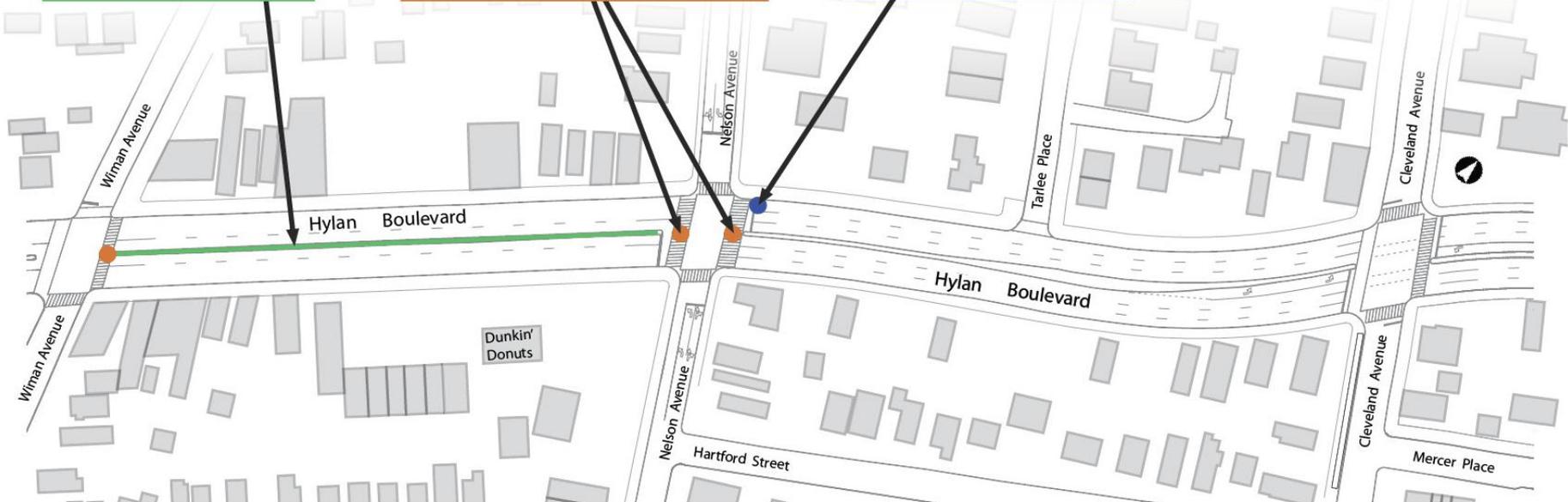


**Queue Jump** allows buses to safely merge from the curb lane

#### Map Key

#### Improvements Under Consideration

- Queue Jump
- Pedestrian Refuge Island
- Widened and Landscaped Median



## Typical Focus Area

# RICHMOND AVENUE: KATAN AVENUE TO LEVERETT AVENUE



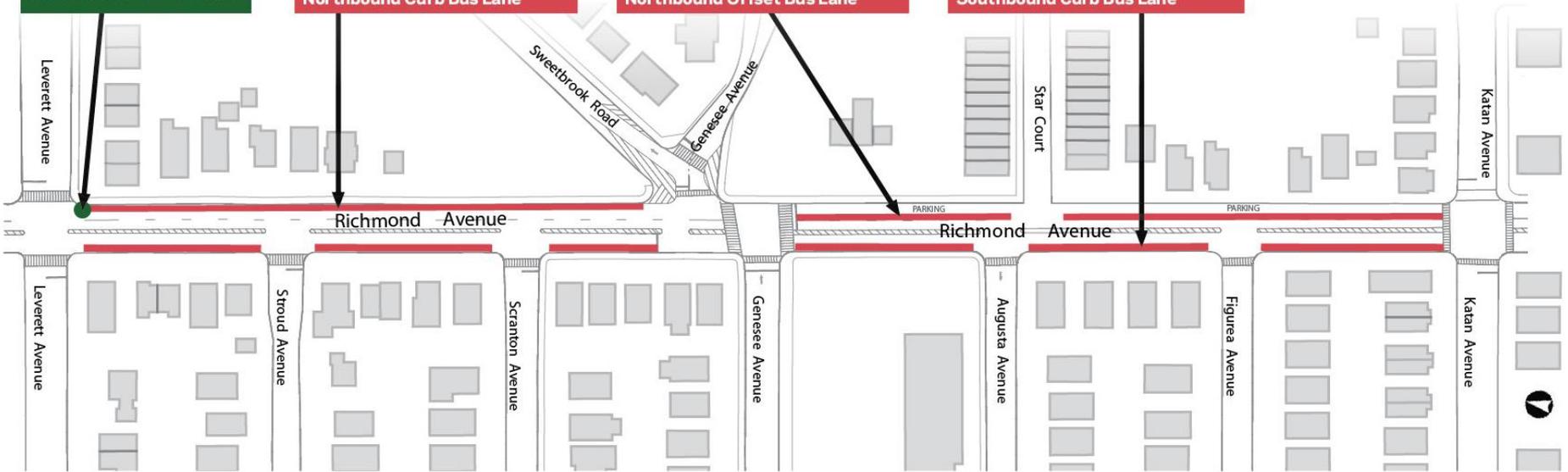
Bus Lanes improve bus travel time and reliability. Both offset and curb lanes are potential options.



**Map Key**

Improvements Under Consideration

- Bus lanes
- Transit Signal Prioritization (TSP)



# Bus Service Plan

## SELECT BUS SERVICE AND LOCAL

- Replaces local S79 service
- Frequency and hours of operation similar to S79
- S78 and S59 continue to serve all local stops
- SBS Stations at high ridership locations and key transfer locations
- Fare remains the same
- Faster route near Staten Island Mall and Eltingville Transit Center
- Faster fare collection system



# Next Steps

- **June 8, 2011:** Public Meeting
- **Summer 2011:** Incorporate feedback from stakeholders into a draft corridor-wide concept plan
- **Fall 2011:** Develop preferred alternative with CAC and public
- **Winter 2011:** Prepare implementation plan

A blue-tinted photograph of a city street intersection. The street is labeled "Cromwell Av" on a green sign. There are traffic lights and signs, including a "LEFT TURN SIGNAL" sign and a "LEFT TURN SIGNAL" sign with a left turn arrow. A white van is visible on the right side of the street. The text "Question and Answer Period" is overlaid in the center of the image.

# Question and Answer Period

A blue-tinted photograph of a city street intersection. The street is lined with buildings, including one with a 'GRAND OPENING' sign. Several cars are visible in the traffic. A street sign for 'Cromwell Av' is visible. The overall scene is a typical urban street view.

# Breakout Groups: Discussion of Ideas on Four Focus Areas