

# CASABLANCA BOULEVARD & GO STATION ACCESS

CLASS ENVIRONMENTAL ASSESSMENT & DETAILED  
DESIGN

PUBLIC INFORMATION CENTRE #2

Wednesday January 16<sup>th</sup>, 2019

5:30PM – 8:30PM

MOVING  
TRANSIT  
FORWARD

CONNECTING MORE PEOPLE TO MORE POSSIBILITIES

Niagara  Region

# PRESENTATION OVERVIEW

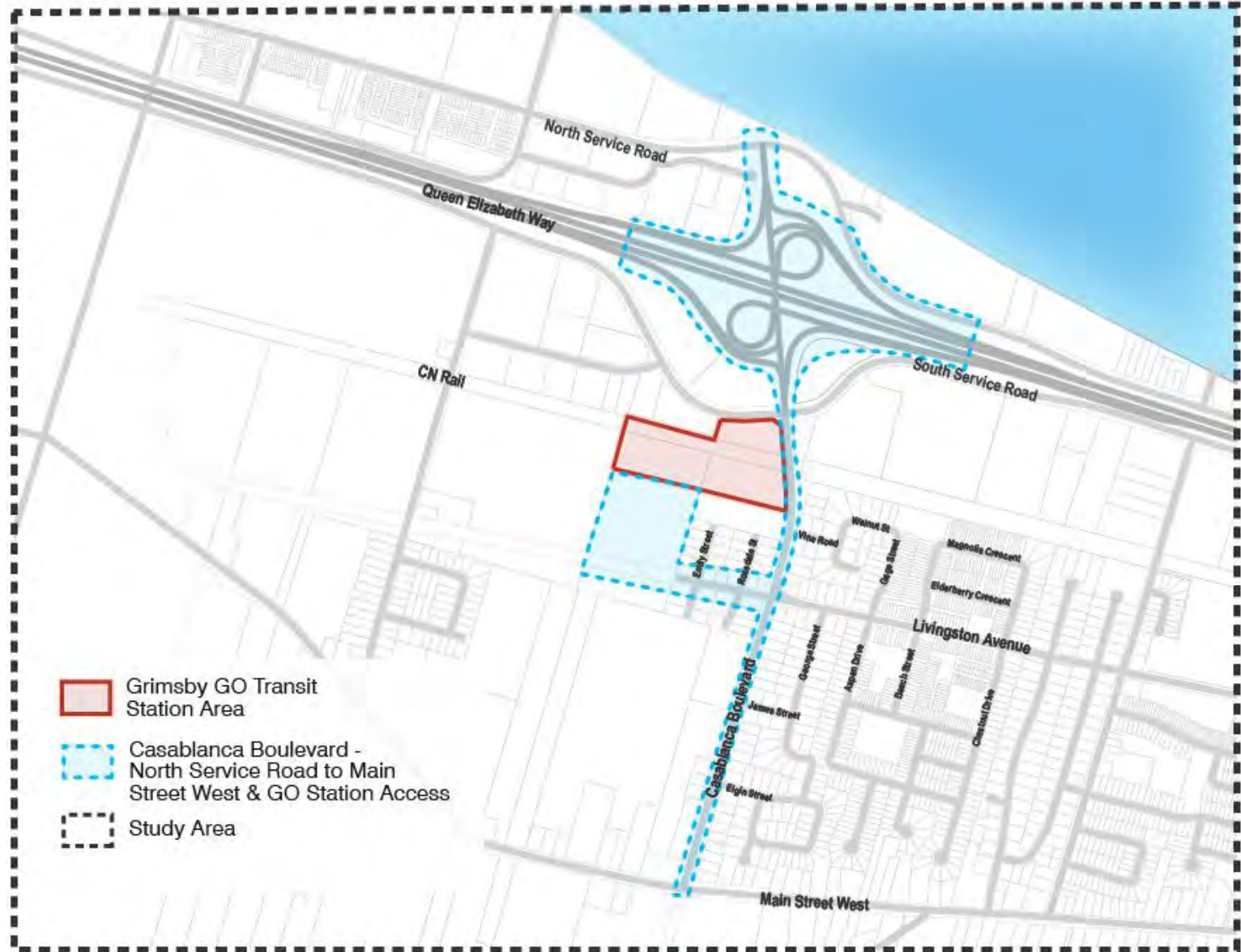
1. Casablanca EA Project Background
2. Traffic Assessment
3. Preferred Alternatives
  - QEW Interchange
  - North Service Road and South Service Road
  - CN Rail Crossing Treatment
  - Casablanca Boulevard
  - Livingston Avenue west of Emily Street
4. Next Steps and Upcoming Work
5. Question & Answer Session

# CASABLANCA BOULEVARD & GO STATION ACCESS

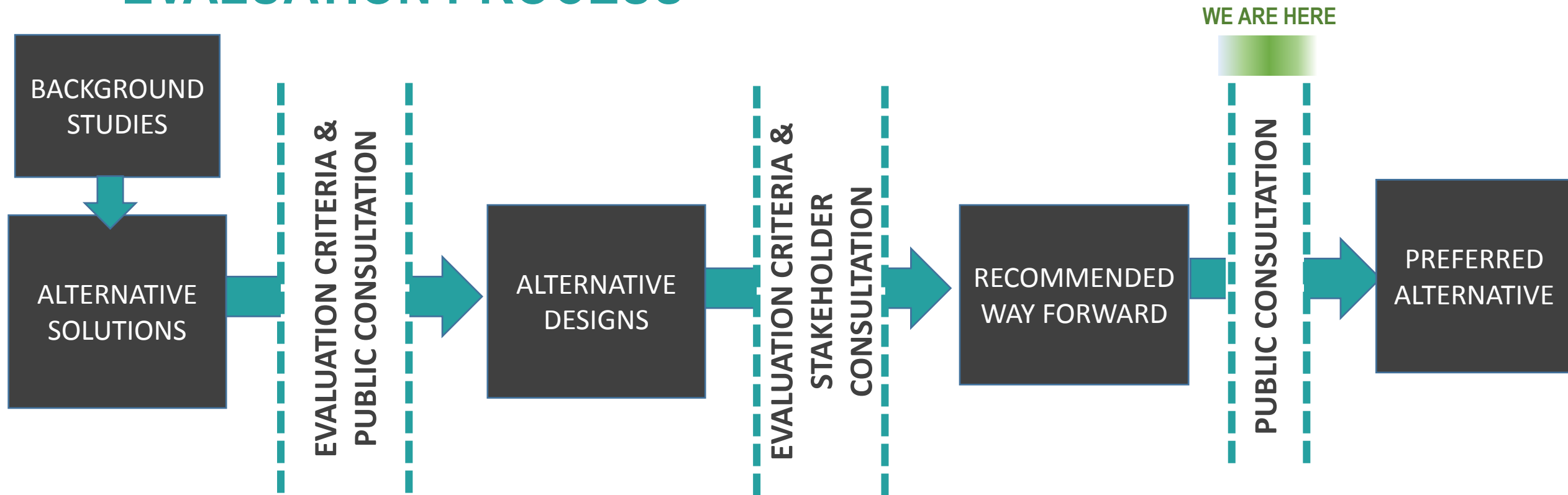
## CASABLANCA EA PROJECT BACKGROUND

# PROJECT OBJECTIVES

- Address traffic operations, access and capacity issues to 2041.
- Support the planned GO Rail station, improve the transportation network to better serve the surrounding area, and support area growth to 2041.
- Provide safe pedestrian and cycling facilities.



# EVALUATION PROCESS



# WHAT WE HEARD

## Communication Channels

- 2 Public Information Centres
- Workshop with Property Owners
- 2 Online Surveys
- Meetings with Provincial and Local Agencies
- Website and Email

## Key Issues



Traffic speeds



Noise



Road Configuration



Delays



GO Transit Station



Traffic Signals



Active Transportation



Traffic Volumes



Safety



Driveway Access



Wayfinding



Vegetation & Drainage

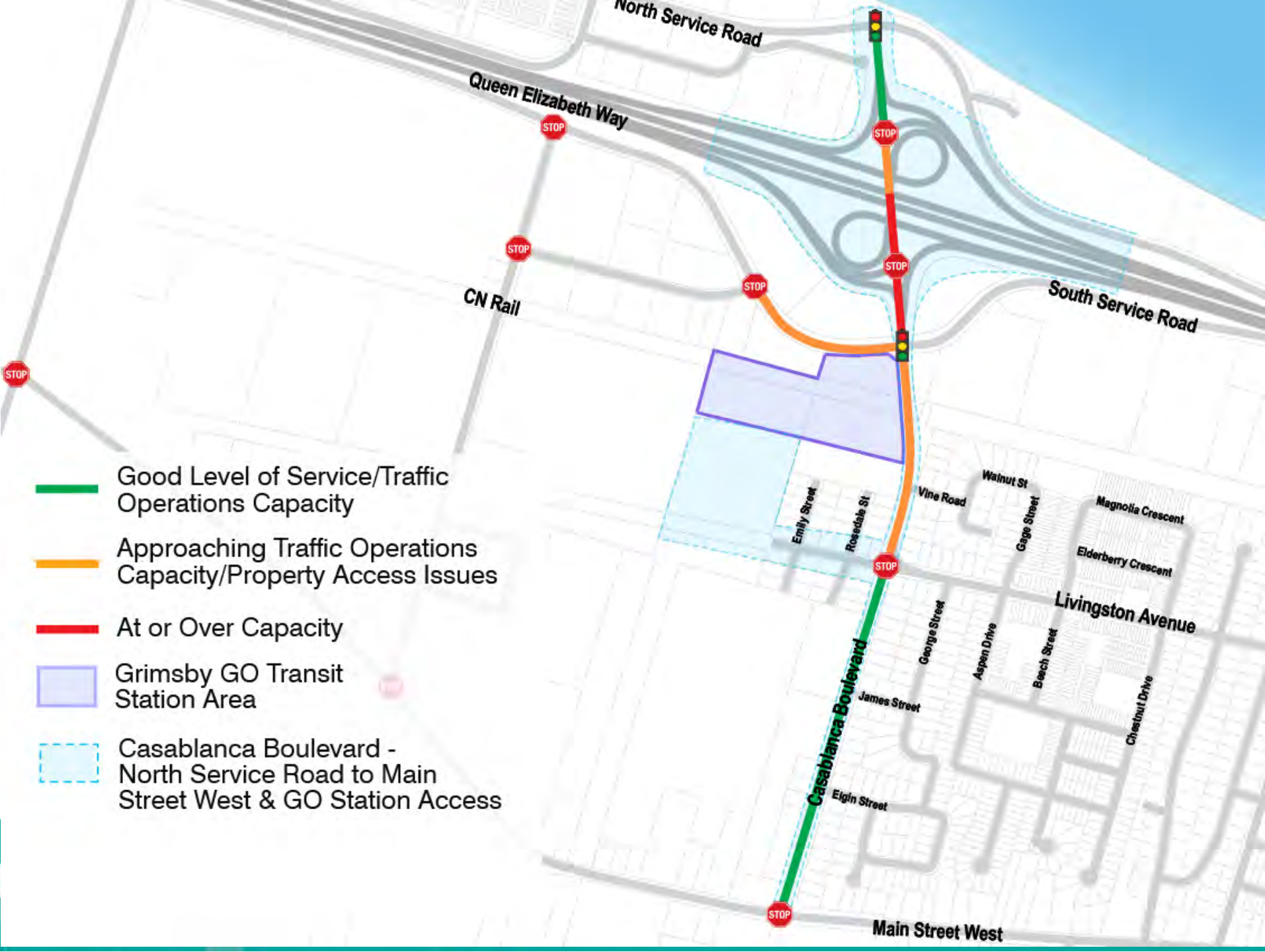


Parking

# CASABLANCA BOULEVARD & GO STATION ACCESS

## TRAFFIC ASSESSMENT

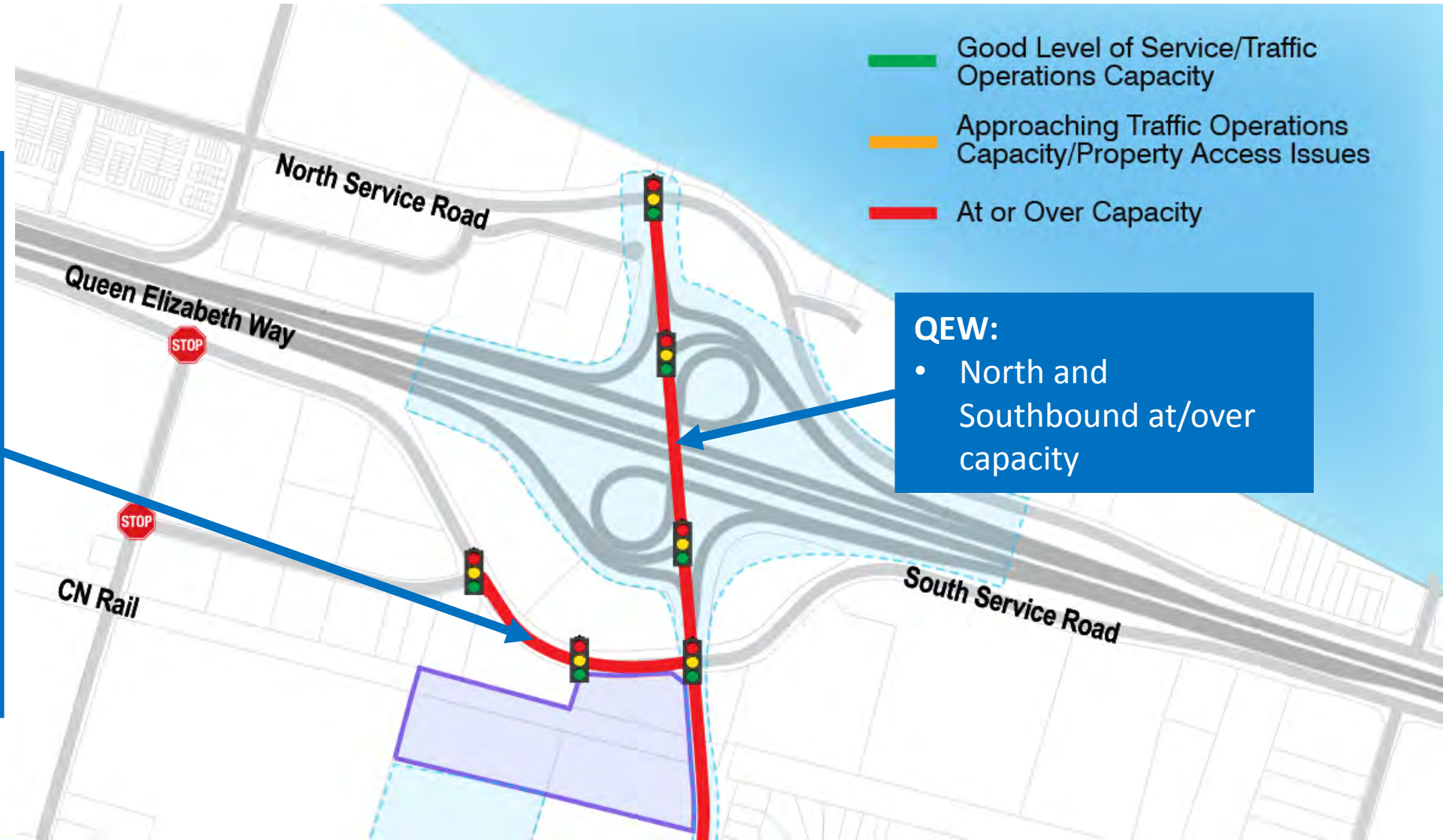
# EXISTING CONDITIONS



# 2041 CONDITIONS: QEW AND SOUTH SERVICE ROAD

## South Service Road:

- Slow-downs impacting the QEW Interchange operations
- GO Transit Station access area experiencing queues and delays
- Poor operation at Intersection of South Service Road and Casablanca Boulevard



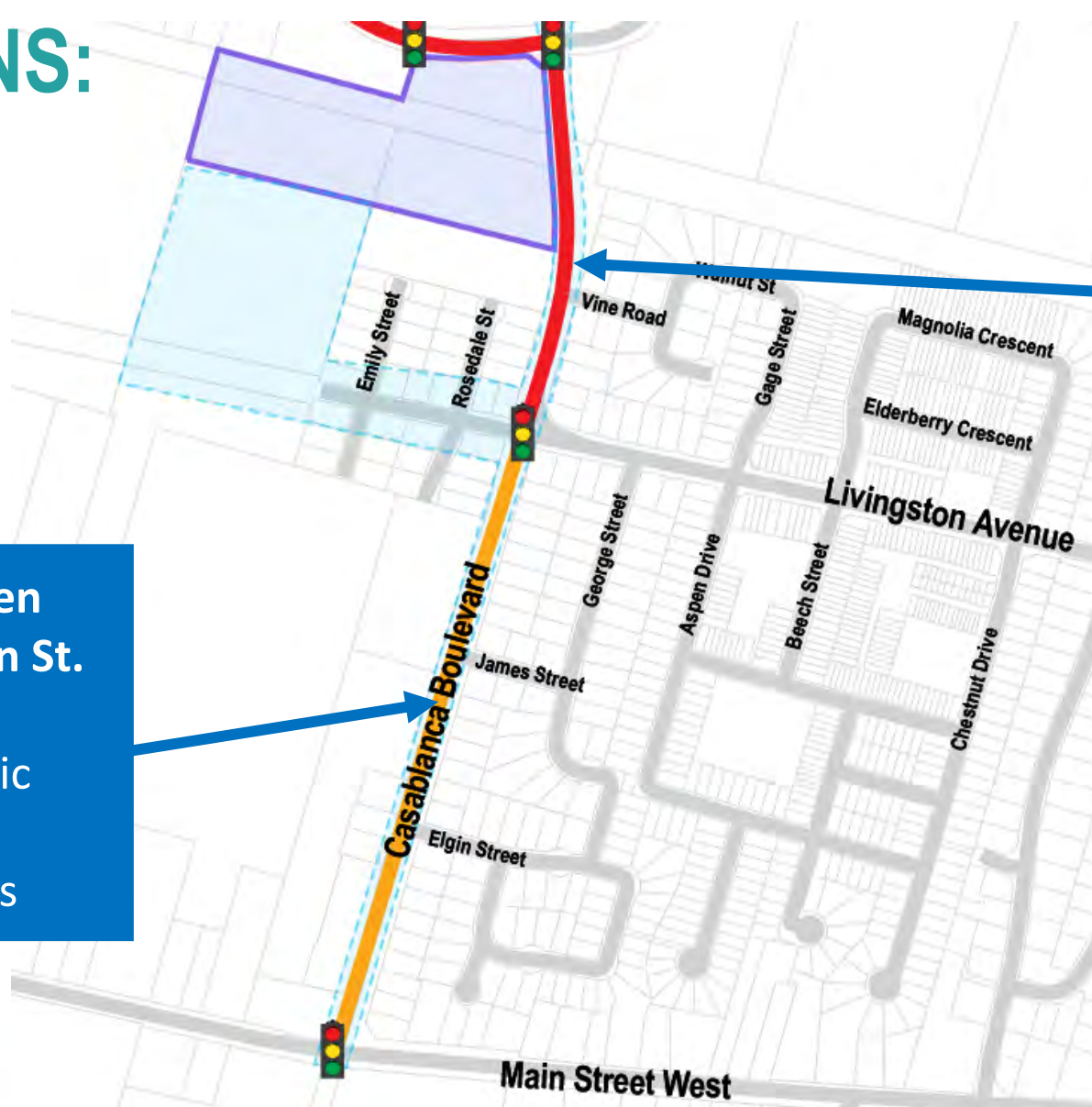
# 2041 CONDITIONS: CASABLANCA BOULEVARD

## Casablanca Blvd. Between Livingston Ave. and Main St. West:

- Slow-downs and traffic delays
- Driveway access issues

## Casablanca Blvd. Between South Service Road and Livingston Ave.:

- Queueing at CN Rail Crossing
- Queueing at Intersection with South Service Road
- Driveway access issues



# CASABLANCA BOULEVARD & GO STATION ACCESS

## PREFERRED ALTERNATIVES

# CASABLANCA BOULEVARD & GO STATION ACCESS

## QEW INTERCHANGE

# QEW INTERCHANGE

## Alternative Designs Considered

- ✓ **Ramp Signalization & Active Transportation Improvements – Multi-Use Path**
  - Diamond Interchange
  - Diverging Diamond Interchange

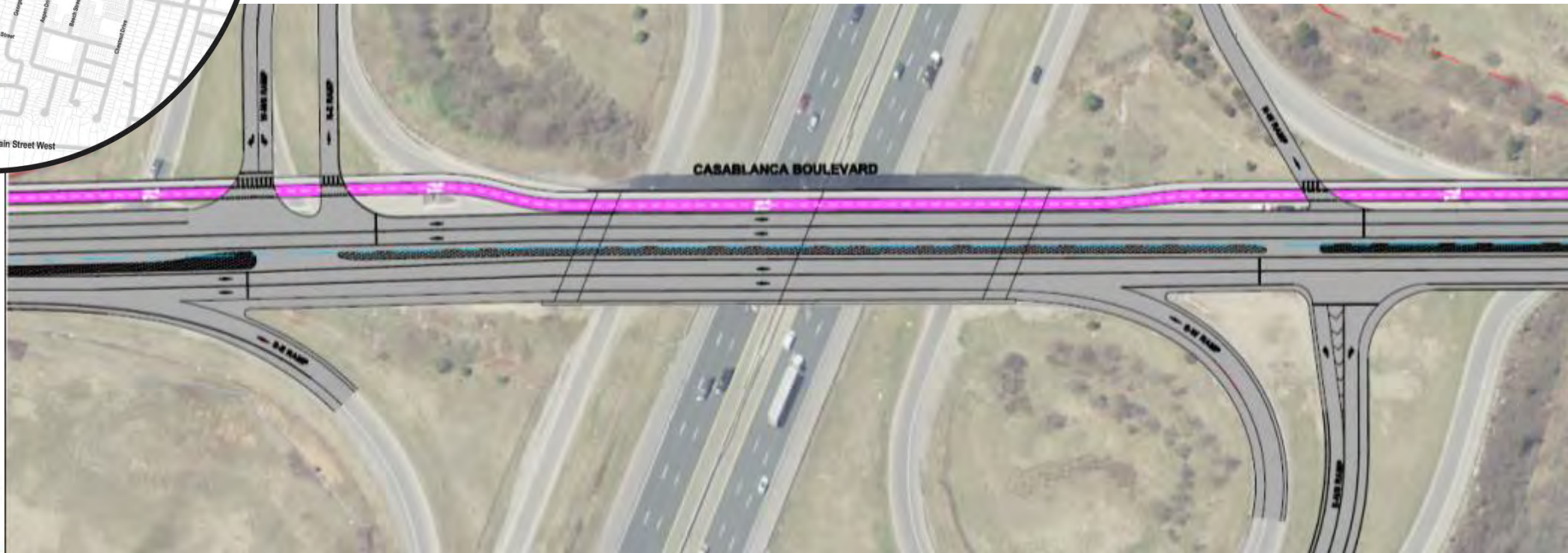
### Feedback on Preliminary Design - Survey #2

Segment	Support from Survey Respondents			Concerns/Comments to be Addressed through Detailed Design
Ramp Signalization with Active Transportation	 Good	 Good	 Good	<ul style="list-style-type: none"><li>• Safety for pedestrians</li><li>• More traffic lanes</li><li>• Sharing the road</li></ul>
Diverging Diamond Interchange	 Limited	 Limited	 Limited	<ul style="list-style-type: none"><li>• Safety for cyclists and pedestrians</li><li>• Design seems confusing for drivers</li></ul>



# RECOMMENDED DESIGN

## RAMP SIGNALIZATION WITH ACTIVE TRANSPORTATION IMPROVEMENTS – MULTI-USE PATH ALONG THE WEST SIDE



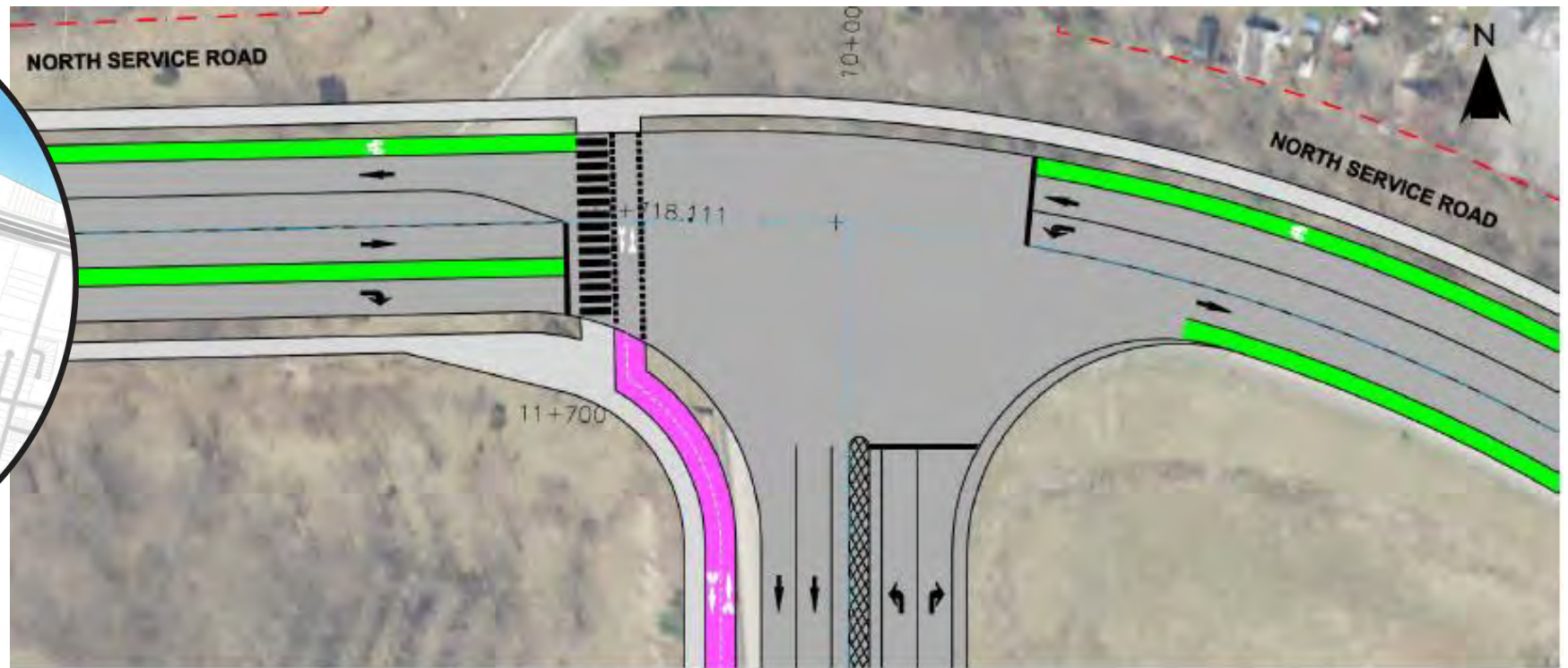
# CASABLANCA BOULEVARD & GO STATION ACCESS

## NORTH SERVICE ROAD AND SOUTH SERVICE ROAD

# CASABLANCA BLVD. / NORTH SERVICE ROAD INTERSECTION

## Alternative Designs Considered

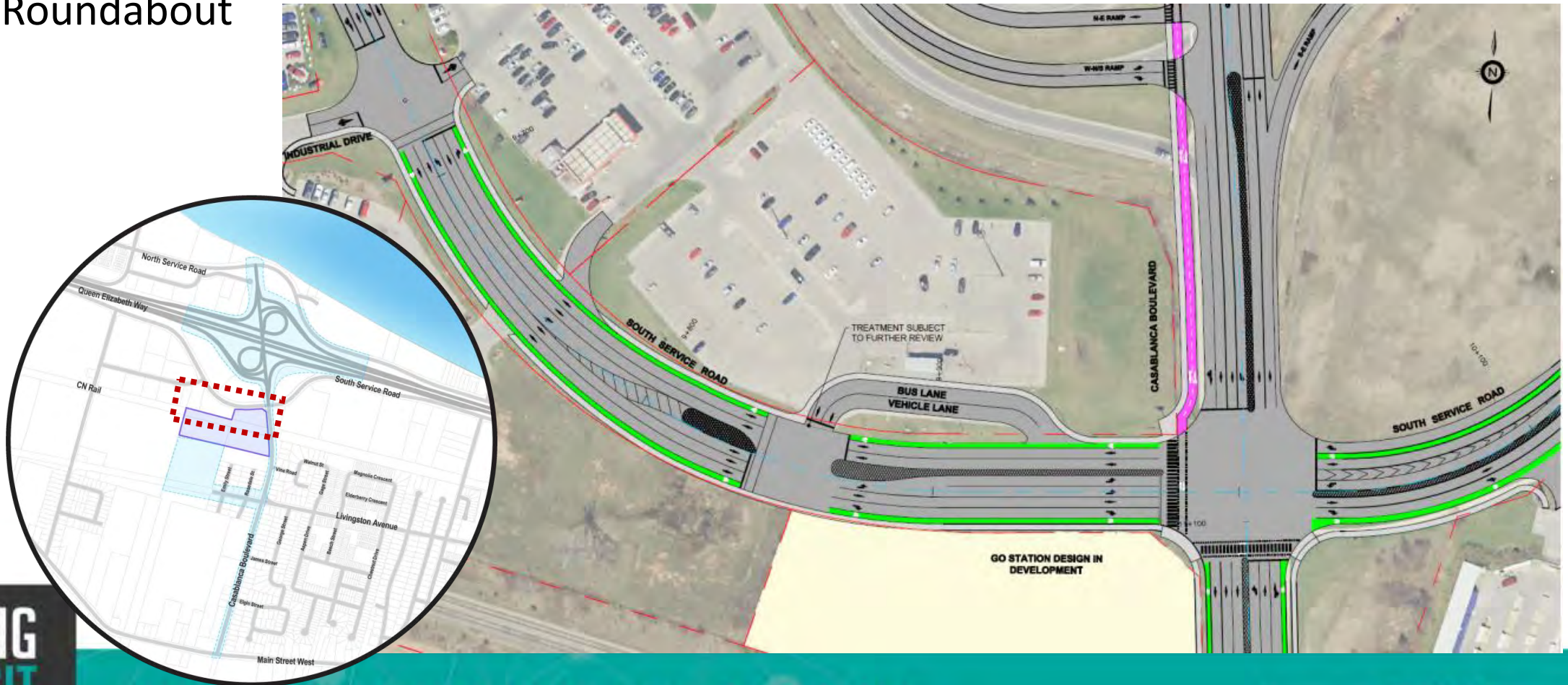
- ✓ **Signalized Intersection**
- Traffic Roundabout



# SOUTH SERVICE ROAD – DESIGN AND TRAFFIC SIGNALS

## Alternative Designs Considered: Intersection at Casablanca Boulevard

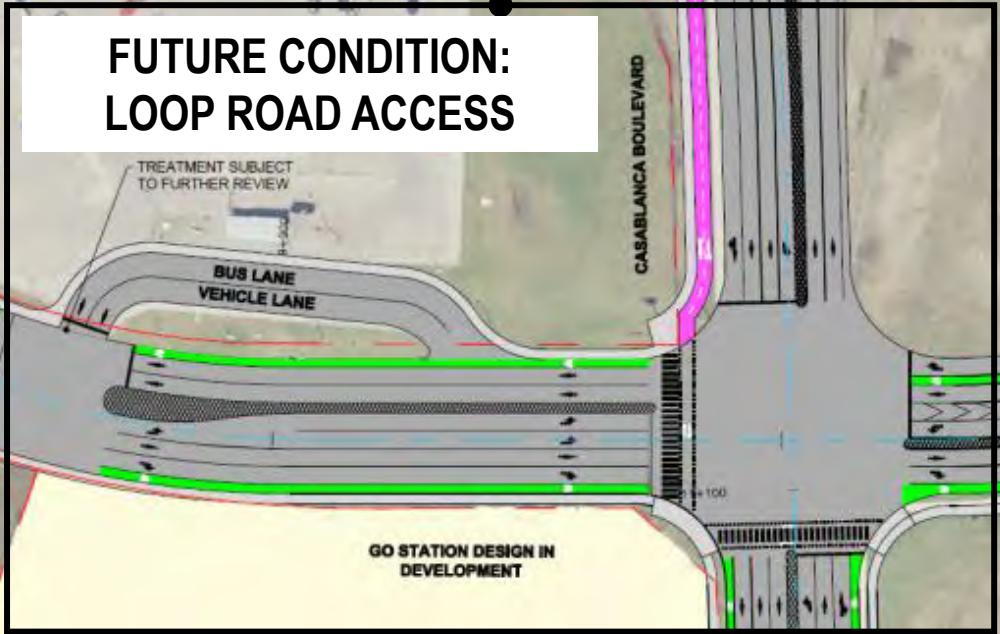
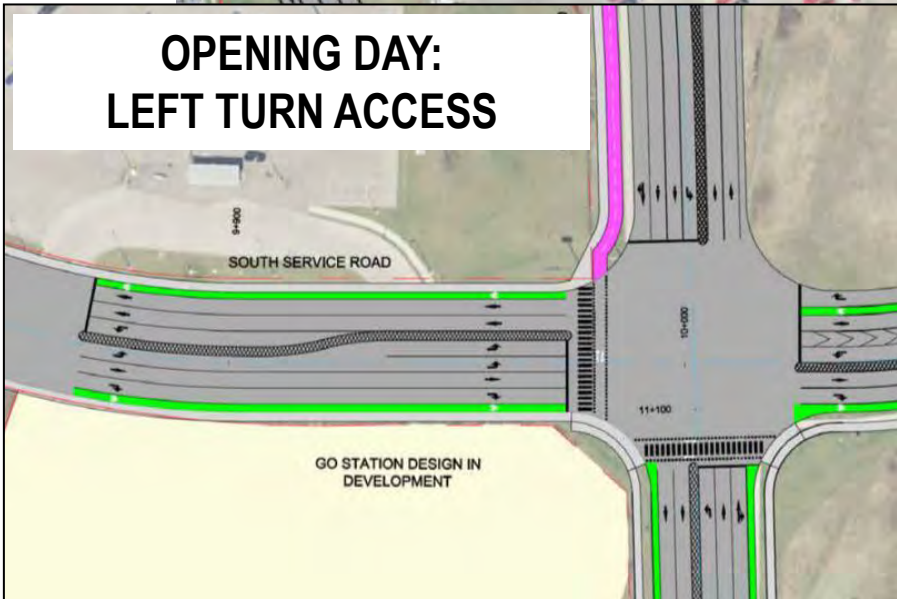
- ✓ **Signalized Intersection**
- Traffic Roundabout



# SOUTH SERVICE ROAD ACCESS

## Alternative Designs Considered

**OPENING DAY:  
LEFT TURN ACCESS**



**FUTURE CONDITION:  
LOOP ROAD ACCESS**

# CASABLANCA BOULEVARD & GO STATION ACCESS



## CN RAIL CROSSING TREATMENT

# CN RAIL CROSSING TREATMENT **Alternative Designs Considered**

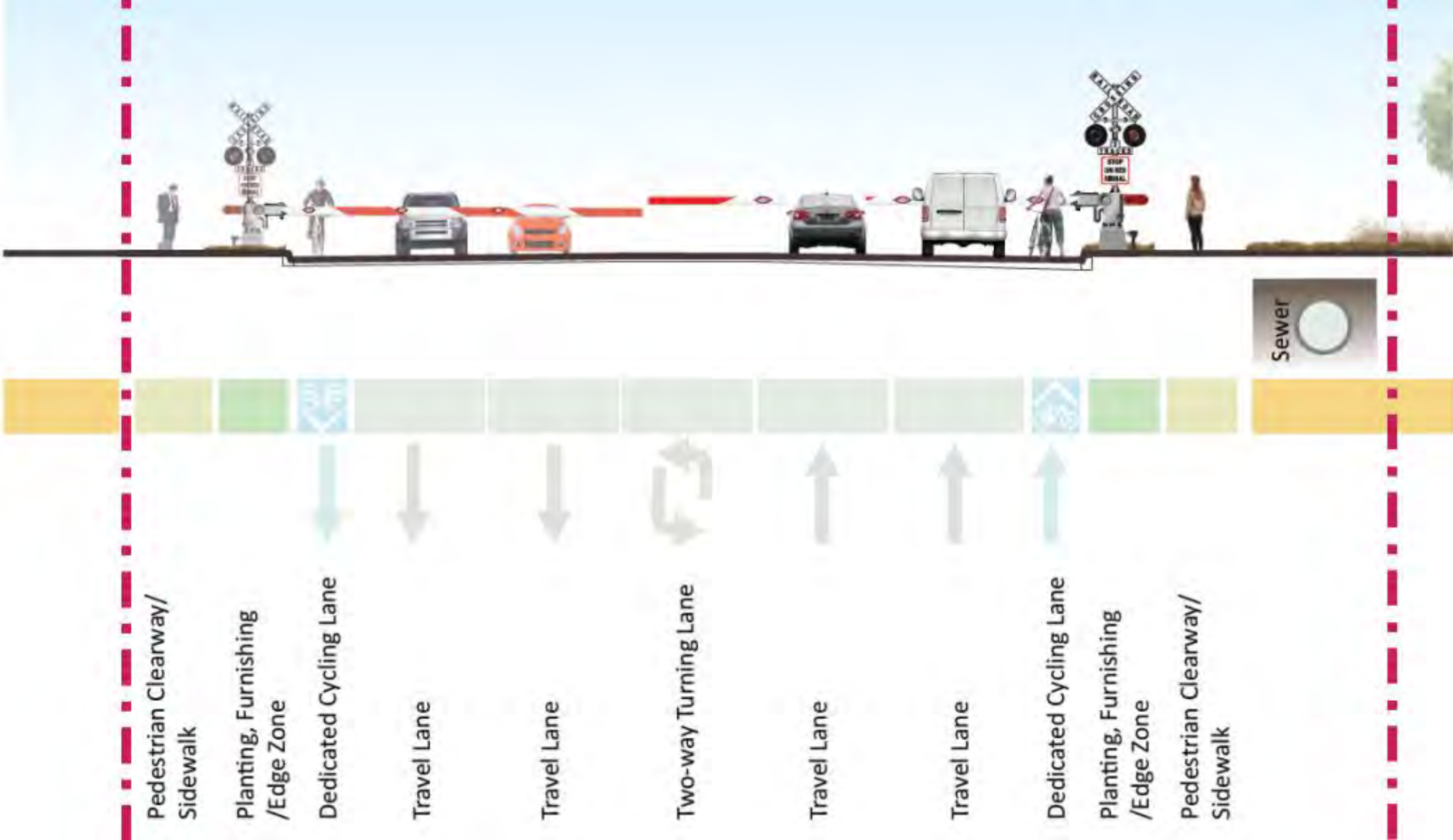
- ✓ Improved At-Grade Crossing (2021)
- ✓ *Improved At-Grade Crossing with 3<sup>rd</sup> SB lane (2031)*
  - Grade Separation: Underpass
  - Grade Separation: Overpass

*Note: Consultation with Rail corridor owner CN Rail will be required during the Detailed Design process*

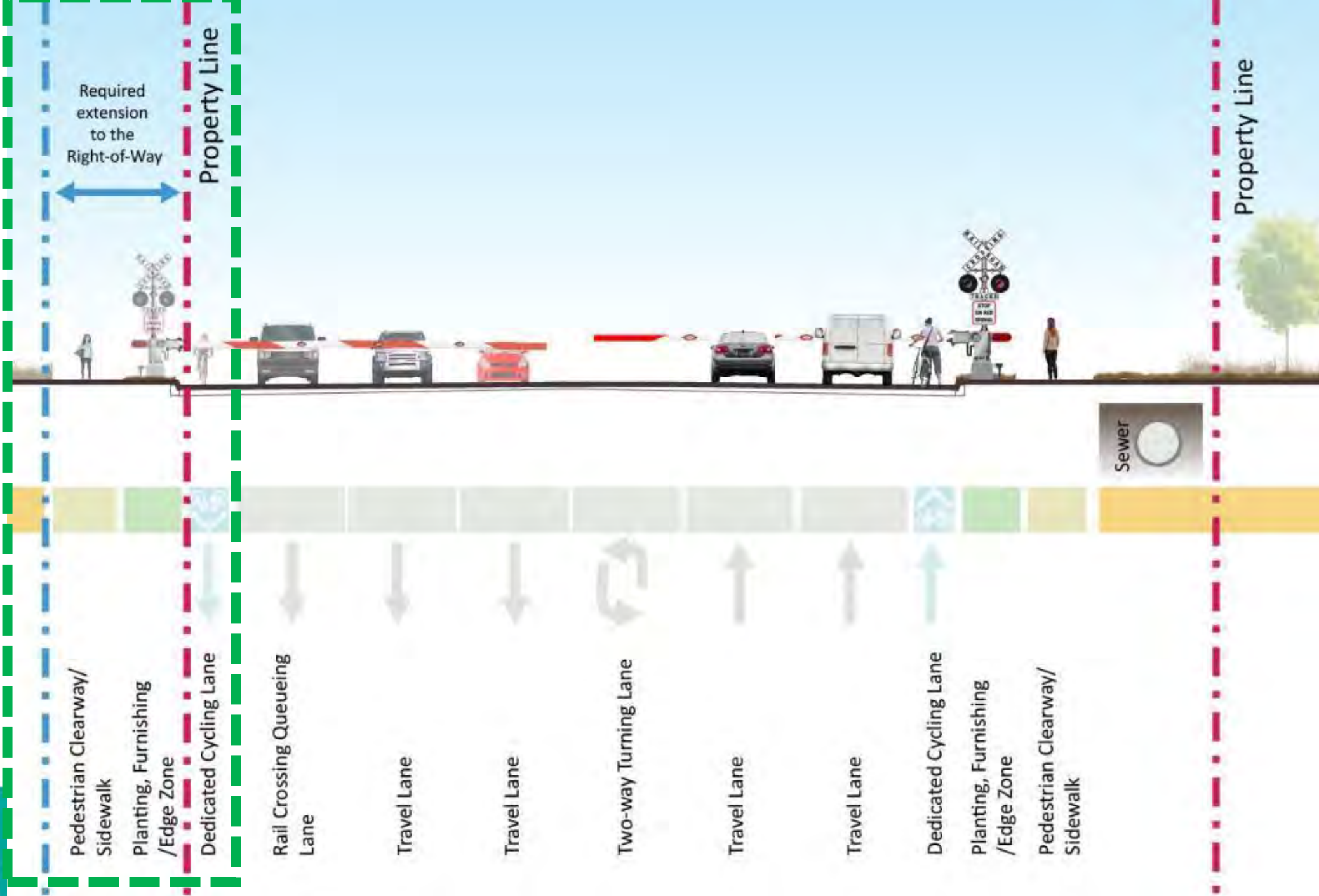
## **Feedback on Preliminary Design - Survey #2**

Segment	Support from Survey Respondents			Concerns/Comments to be Addressed through Detailed Design
Maintain At-Grade Crossing (Medium Term)	 Good	 Limited	 Good	<ul style="list-style-type: none"><li>• Underpass supported</li><li>• Number of lanes at crossing</li></ul>
Protect and Plan for Grade Separation (Long Term)	 V. Good	 Good	 V. Good	<ul style="list-style-type: none"><li>• Number of lanes</li><li>• Speeding</li><li>• Noise impacts</li></ul>

2021  
OPENING  
DAY  
AT-GRADE  
TREATMENT



# 2031 INTERIM AT-GRADE TREATMENT



# CASABLANCA BOULEVARD & GO STATION ACCESS

## CASABLANCA BOULEVARD

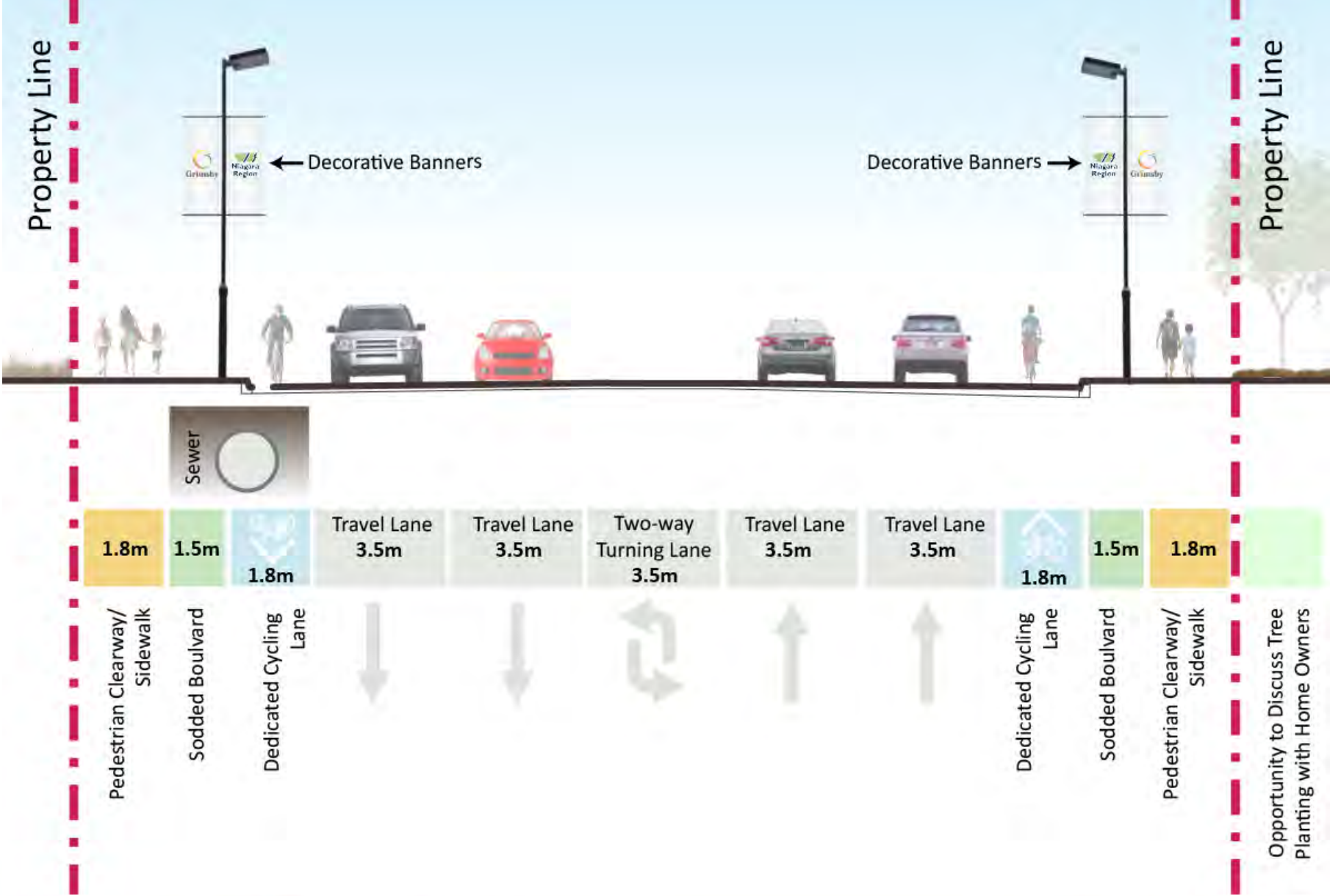
# CASABLANCA BLVD – BETWEEN SOUTH SERVICE RD AND LIVINGSTON AVE. **Alternative Designs Considered**

- ✓ **Widening: 5 Lanes Between South Service Road and Livingston Avenue**
- Rural Cross Section: Road Widening with Side Ditches

## **Feedback on Preliminary Design - Survey #2**

Segment	Support from Survey Respondents	Concerns/Comments to be Addressed through Detailed Design
4 Travel Lanes + Centre Turning Lane, sidewalk and cycling lanes on each side of the street	 <b>V. Good</b>  <b>Good</b>  <b>V. Good</b>	<ul style="list-style-type: none"><li>• Driveway access</li><li>• Sidewalks</li><li>• Cyclist safety</li><li>• Speeding</li><li>• Landscaping/tree planting</li></ul>

# Casablanca Boulevard Between South Service Road and Livingston Avenue



# CASABLANCA BLVD – BETWEEN LIVINGSTON AVE. AND MAIN STREET WEST

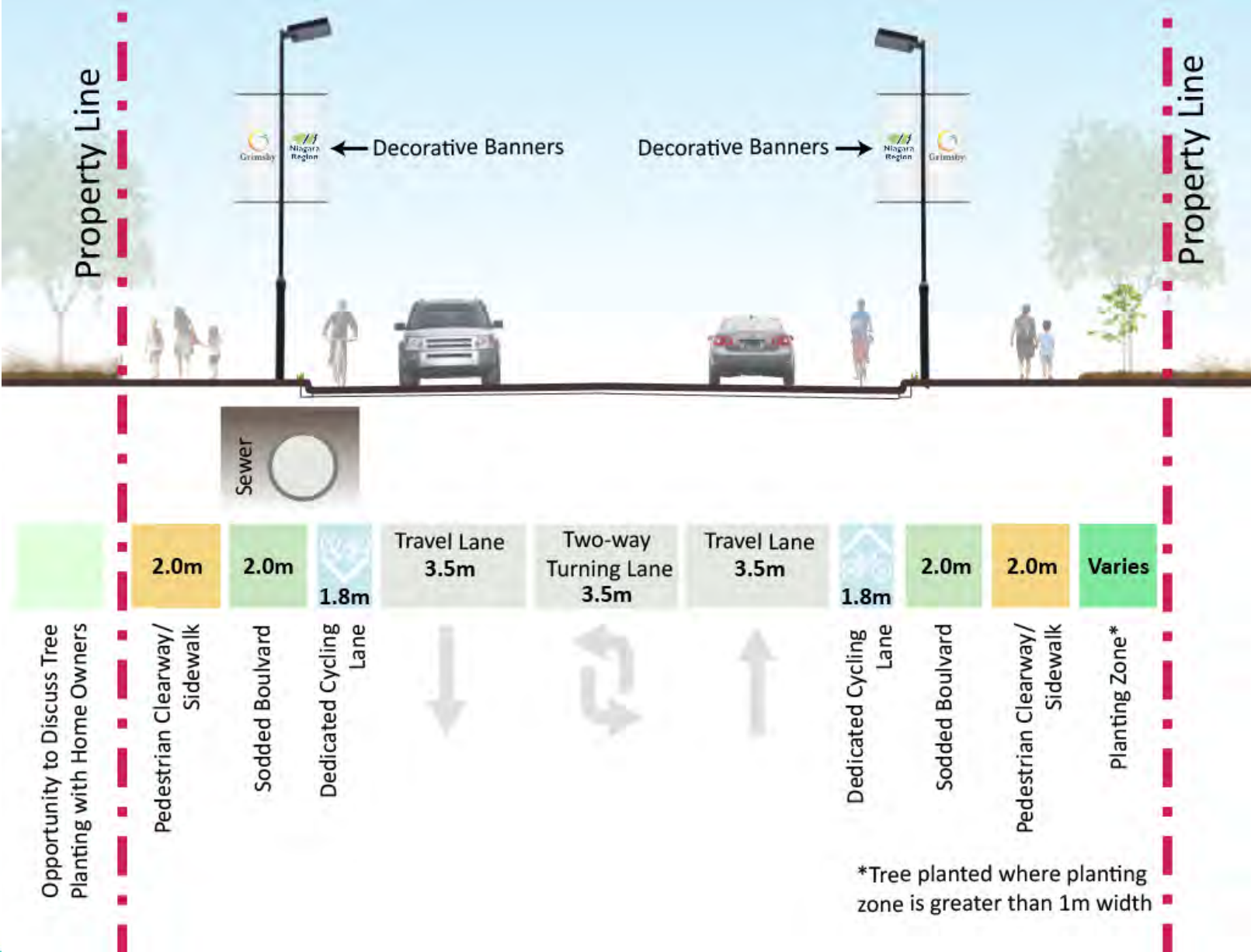
## Alternative Designs Considered

- ✓ **Widening: 3 Lanes Between Livingston Avenue and Main Street West**
- Rural Cross Section: Road Widening with Side Ditches

## Feedback on Preliminary Design - Survey #2

Segment	Support from Survey Respondents	Concerns/Comments to be Addressed through Detailed Design
2 Travel Lanes + Centre Turning Lane, sidewalk and cycling lanes on each side of the street	<div> V. Good</div> <div> Good</div> <div> Good</div>	<ul style="list-style-type: none"><li>• Driveway access</li><li>• Sidewalks</li><li>• Cyclist safety</li><li>• Speeding</li><li>• Landscaping/tree planting</li></ul>

# Casablanca Boulevard Between Livingston Avenue and Main Street West

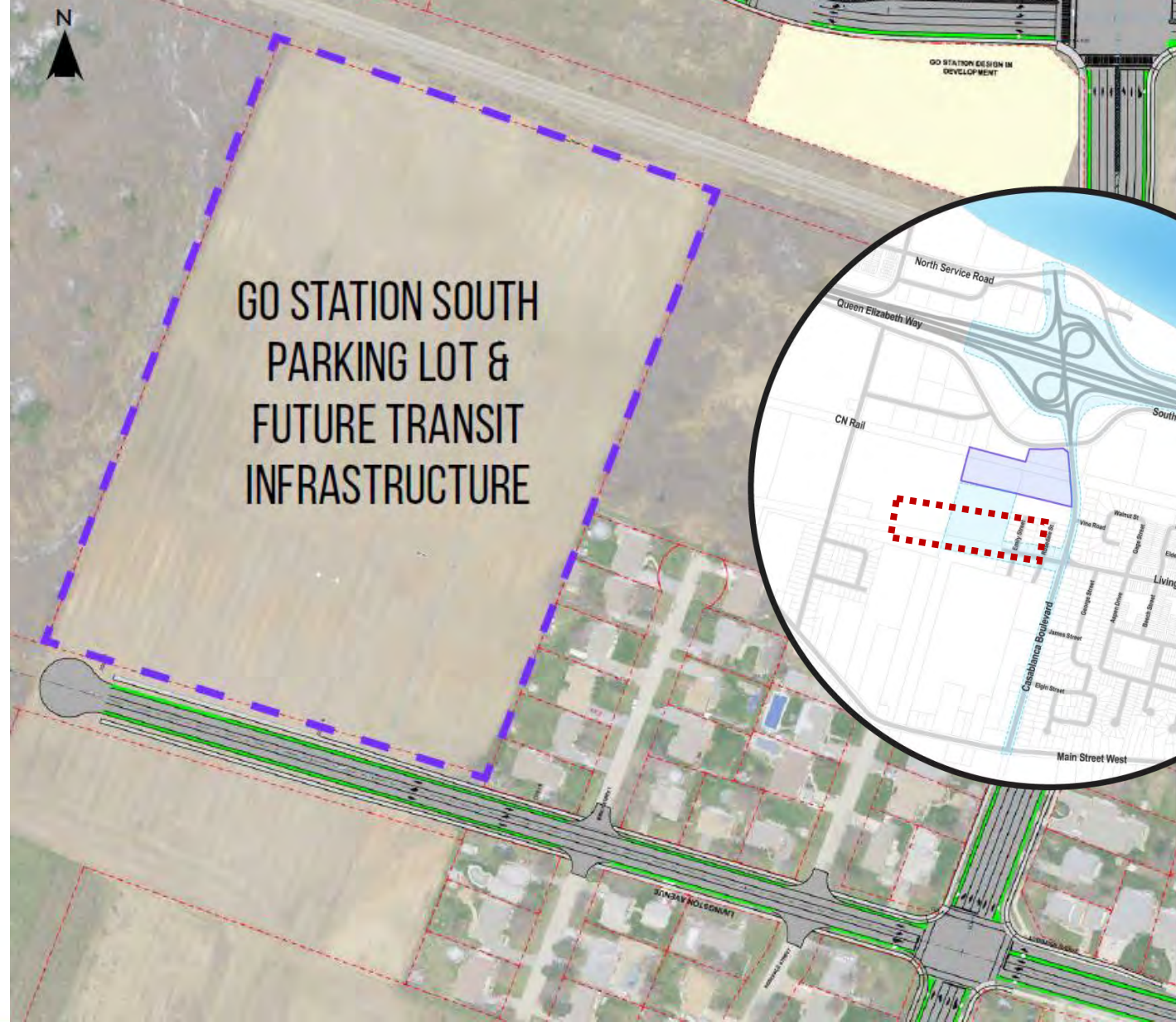


# CASABLANCA BOULEVARD & GO STATION ACCESS

## LIVINGSTON AVENUE WEST OF EMILY

# BETWEEN CASABLANCA BOULEVARD AND EDGE OF REGION-OWNED LANDS

- Design of Future Site of Transit Infrastructure to be determined
- Road access needed to the Future Site of Transit Infrastructure and future potential south GO Transit Station Parking
- Two travel lanes with a centre turning lane, with sidewalks and cycling lanes on each side



# LIVINGSTON AVE. WEST OF EMILY STREET

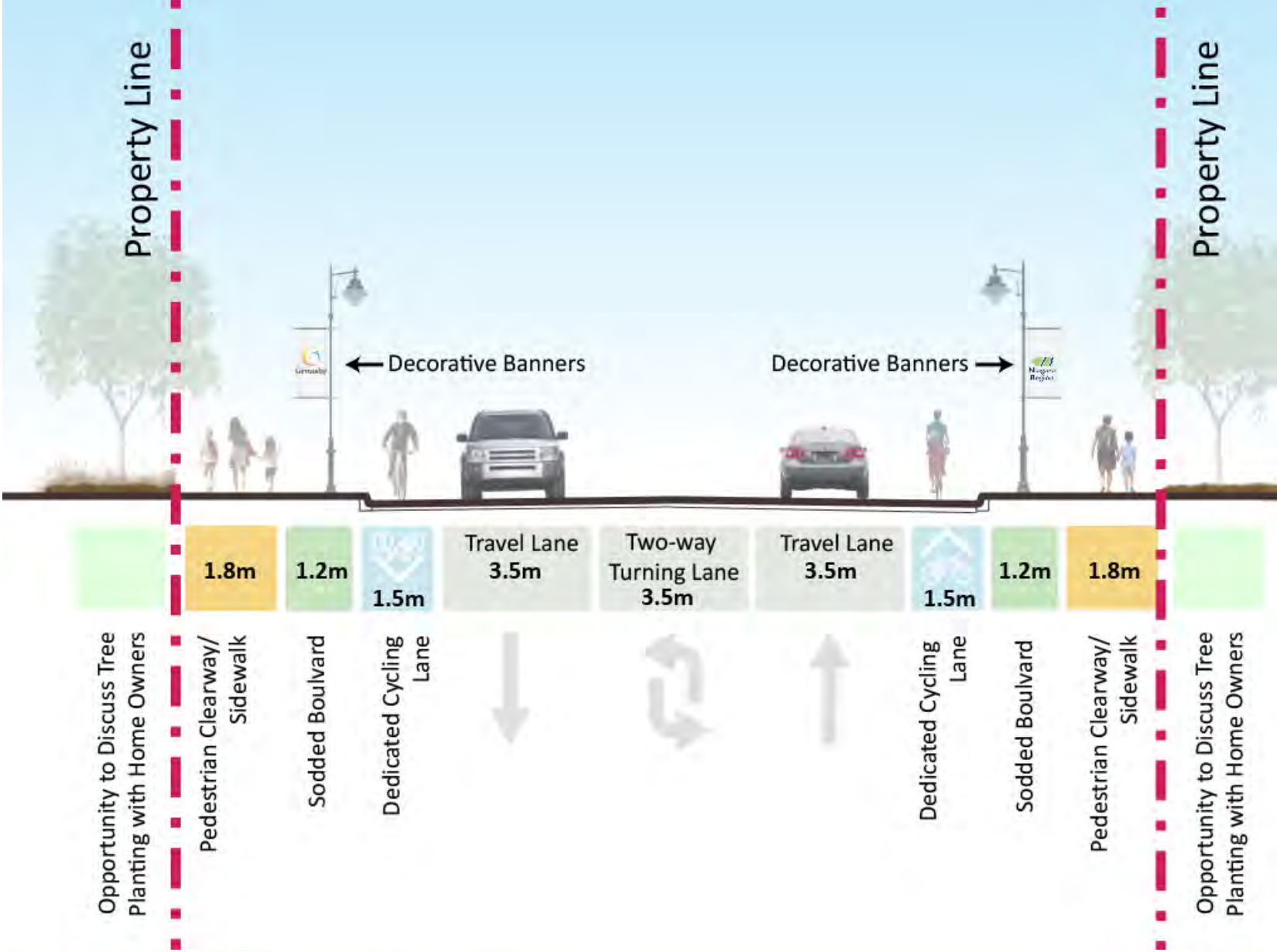
## Alternative Designs Considered

- ✓ **Widening: 3 Lanes Between Casablanca Blvd. and Region-owned Lands**
  - Rural Cross Section: Road Widening with Side Ditches

## Feedback on Preliminary Design - Survey #2

Segment	Support from Survey Respondents	Concerns/Comments to be Addressed through Detailed Design
2 Travel Lanes + Centre Turning Lane, sidewalk and cycling lanes on each side of the street	 V. Good  Good  V. Good	<ul style="list-style-type: none"><li>• Driveway access</li><li>• Sidewalks</li><li>• Cyclist safety</li><li>• Speeding</li><li>• Landscaping/tree planting</li></ul>

# Livingston Avenue – From Casablanca Boulevard to the edge of the Region- owned lands

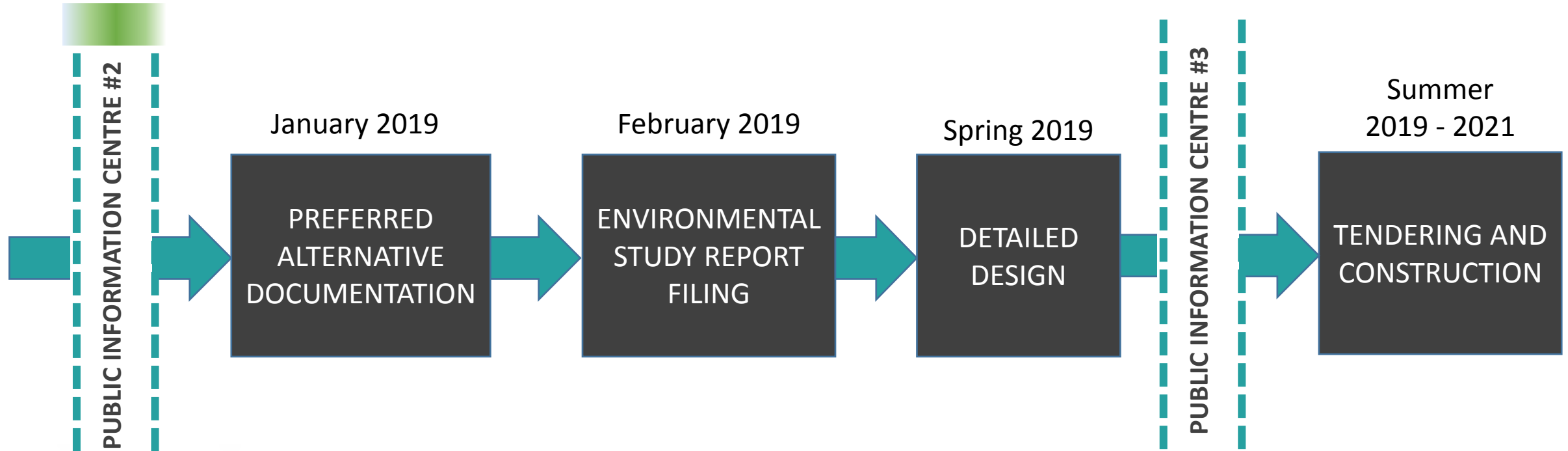


# CASABLANCA BOULEVARD & GO STATION ACCESS

## NEXT STEPS & UPCOMING WORK

# NEXT STEPS

WE ARE HERE



# CASABLANCA BOULEVARD & GO STATION ACCESS

## THANK YOU