

Welcome!

Valley Line West
Lewis Farms - Downtown

Edmonton

Public Engagement Session

Valley Line West LRT will play an essential role in connecting Edmonton's communities, and we are working to have it ready to go as soon as funding becomes available for construction.

Input during previous engagement suggested the project team consider a one-way arrangement for Stony Plain Road between 149 Street and 156 Street as a possible means of mitigating some of the traffic flow and access impacts in the area.

We have prepared some options and welcome your input.

Purpose of this engagement

Valley Line West
Lewis Farms - Downtown

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Project input opportunity

- **Consult:** Obtain your views on options, developed in response to previous input, for a possible westbound one-way roadway arrangement on Stony Plain Road between 149 Street and 156 Street.

Your input will help in the preparation of recommendations to be considered by City Council in Fall 2018.

PUBLIC ENGAGEMENT

OUR PROMISE

This is our city.

We value your input on how we maintain, grow and build Edmonton.

We believe engagement leads to better decision making.

We are committed to reaching out to our diverse communities in thoughtful and meaningful ways.

We want to understand your perspectives and build trusting relationships with you.

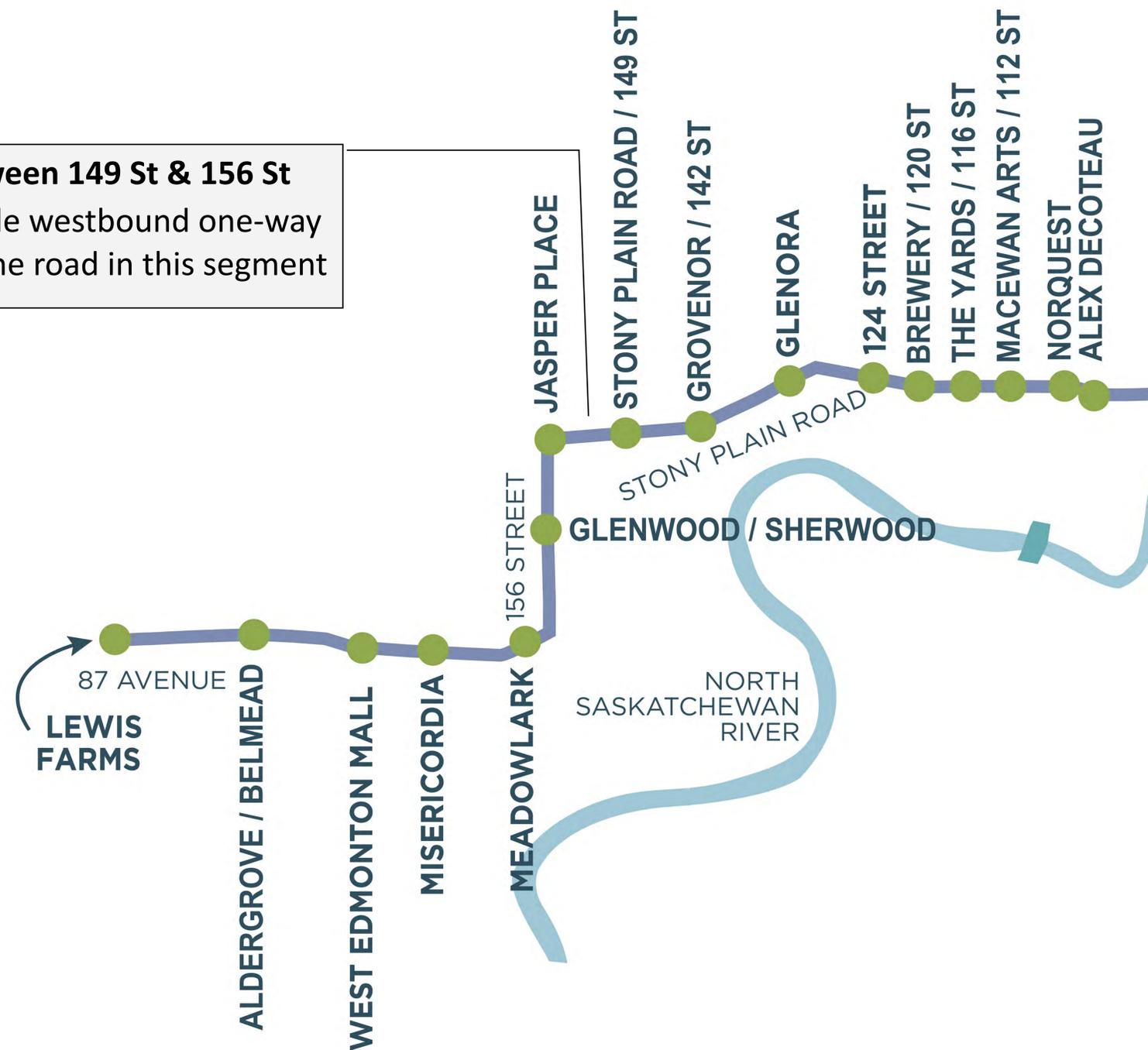
We will show you how you help influence City decisions.

Share your voice with us and shape our city.

Location highlighted in this session

Stony Plain Road between 149 St & 156 St

- Options for possible westbound one-way arrangement for the road in this segment



Background

Valley Line West Lewis Farms - Downtown

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New urban-style and low-floor LRT



Rendering of a typical Valley Line LRT stop (pictured: 105/106 Street Stop at Alex Decoteau Park)

Where we are in the process

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Timeline

- 2008:** City Council approves planning criteria for future LRT
- 2009:** City commits to urban-style LRT to enable better fit into neighbourhoods
- 2009:** Council selects Valley Line West corridor, from list initially containing 15 options, as best supporting redevelopment opportunities, encouraging density and achieving a more compact urban form
- 2012:** City Council approves Valley Line West concept plan
- 2013:** Preliminary design completed
- 2016:** Public Transit Infrastructure Fund support provided to review preliminary design and prepare Valley Line West for procurement
- 2017:** Review of Valley Line West preliminary design

Ongoing

- 2017-18:** Review public input & complete review of preliminary design
- 2018:** Recommendations to City Council
- 2018:** Complete procurement-readiness

The following steps are subject to funding

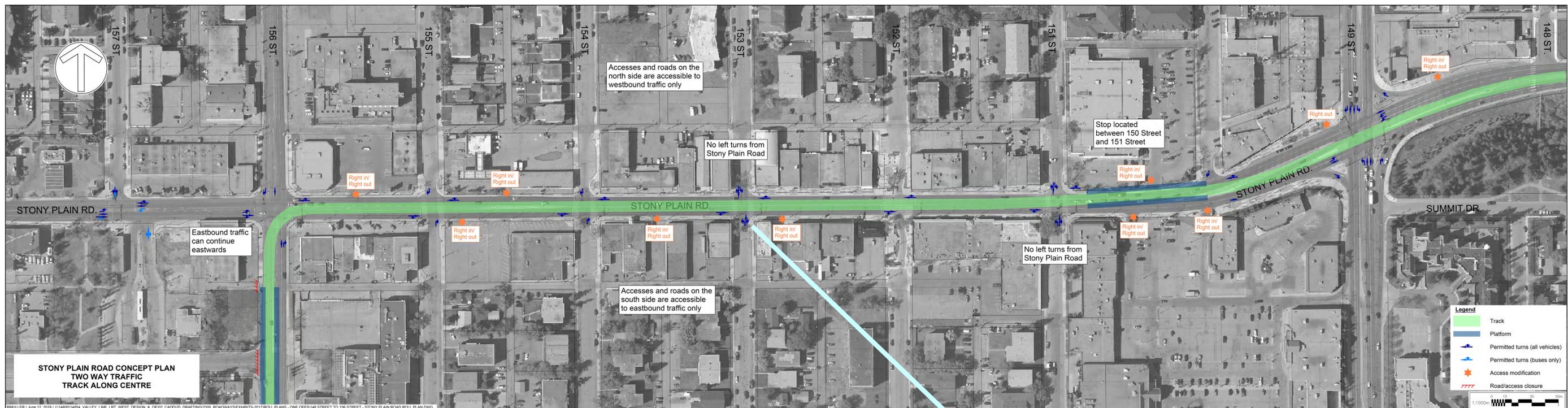
- 2019/2020:** Possible start of construction
- 2025:** Possible start of operation

Existing Plan (2-way)

Valley Line West Lewis Farms - Downtown

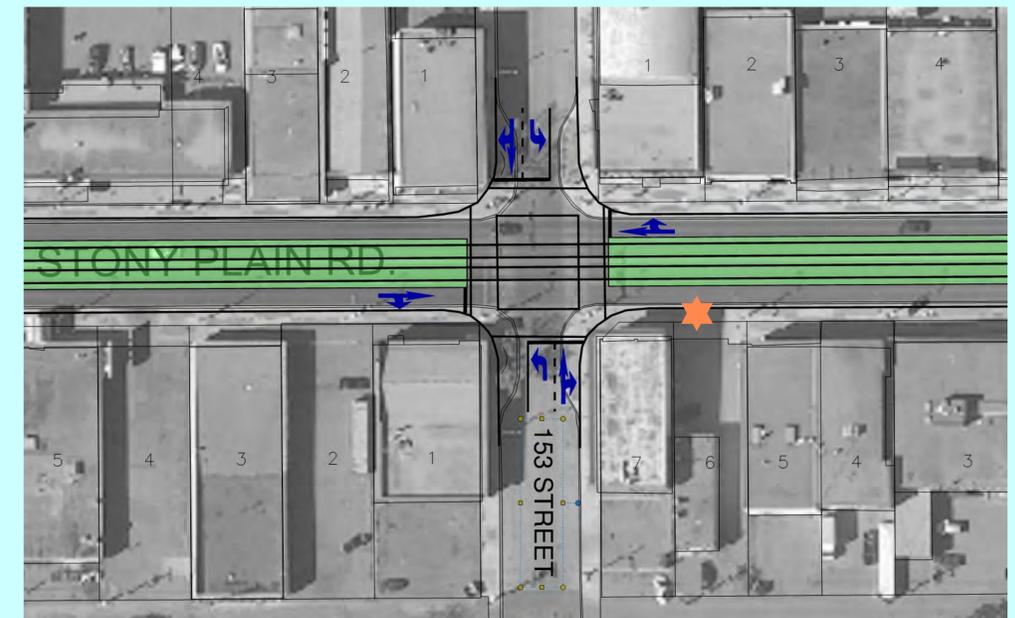
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Approved 2012 LRT concept plan*



Description

- The Valley Line West concept plan approved by Council in 2012 provided for two-way traffic on Stony Plain Road
- This arrangement provides right-turn access to properties and businesses
- However, due to limited roadway width, it is not possible to include turning lanes to permit left turns from Stony Plain Road



*Amended in 2018 to provide a 90-degree turn for LRT at Stony Plain Road / 156 St intersection

One-way Option #1

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“Split” option (*NOT recommended*)



Description

- In public and stakeholder engagement, a one-way “split” option was suggested for the 149 St to 156 St segment
- LRT would continue to run down the centre of Stony Plain Road, but both lanes of the road would run westbound.
- This would allow direct access to properties / businesses on both the north and south side of the road
- Signalized pedestrian crossing of Stony Plain Road available at each intersection between 149 St and 156 St
- This option is not recommended due to safety issues and complexity of traffic management



One-way Option #1

Valley Line West Lewis Farms - Downtown

Edmonton

“Split” option (*NOT recommended*)



Considerations

- Unconventional design - potential confusion for drivers
- Drivers need to know and commit to destination in advance to get into appropriate westbound lane on Stony Plain Road
- Complex intersection designs, particularly at 149 St
- Provides vehicle access from Stony Plain Road to adjacent properties, but no opportunity to cross tracks to opposite side of the road
- Centre-running LRT will have overhead streetlights in the middle, off the sidewalk, thus creating more open pedestrian zone on the sidewalk
- Land requirement same as 2-way concept design
- The south side westbound lane is required to turn left at 155 St

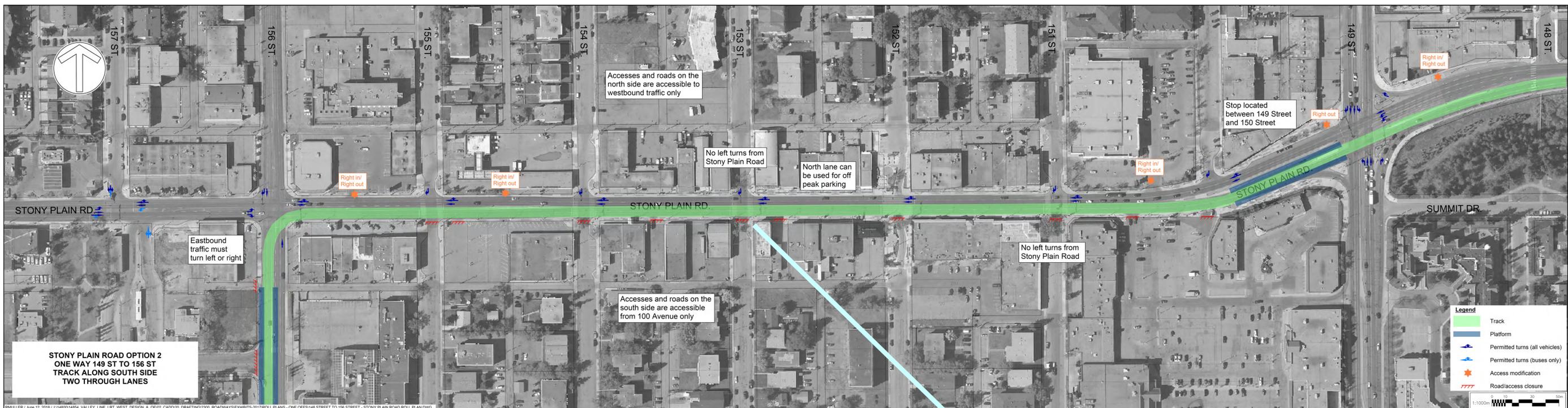


One-way Option #2

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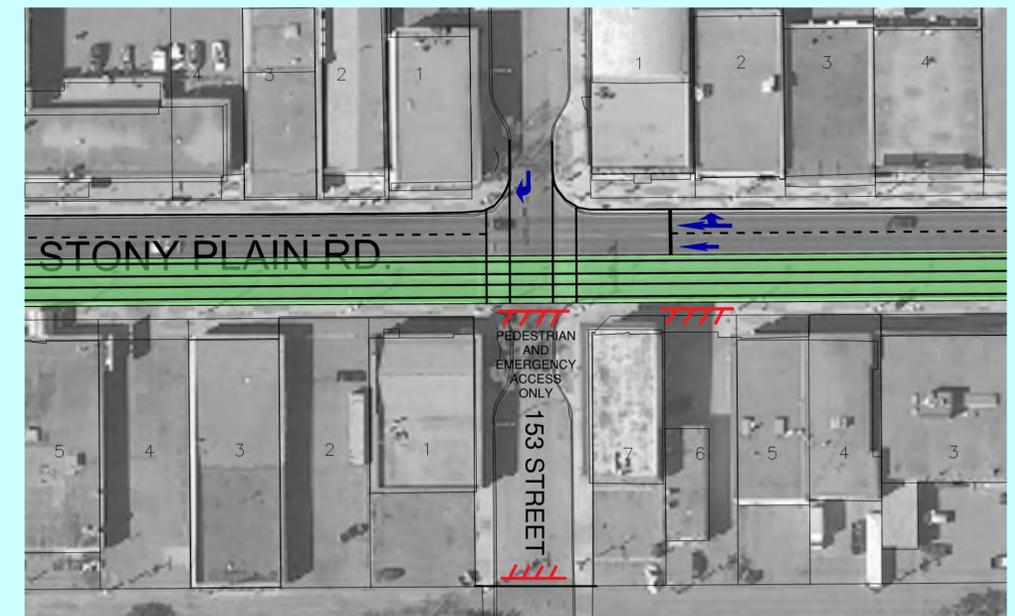
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LRT south alignment; 2 through lanes



Description

- LRT stop shifts one block east
- Two westbound lanes along the north side of Stony Plain Road
- No westbound left turn movement at 156 St
- No vehicle crossings of tracks between 149 St and 156 St
- Signalized pedestrian crossing of Stony Plain Road available at each intersection between 149 St and 156 St

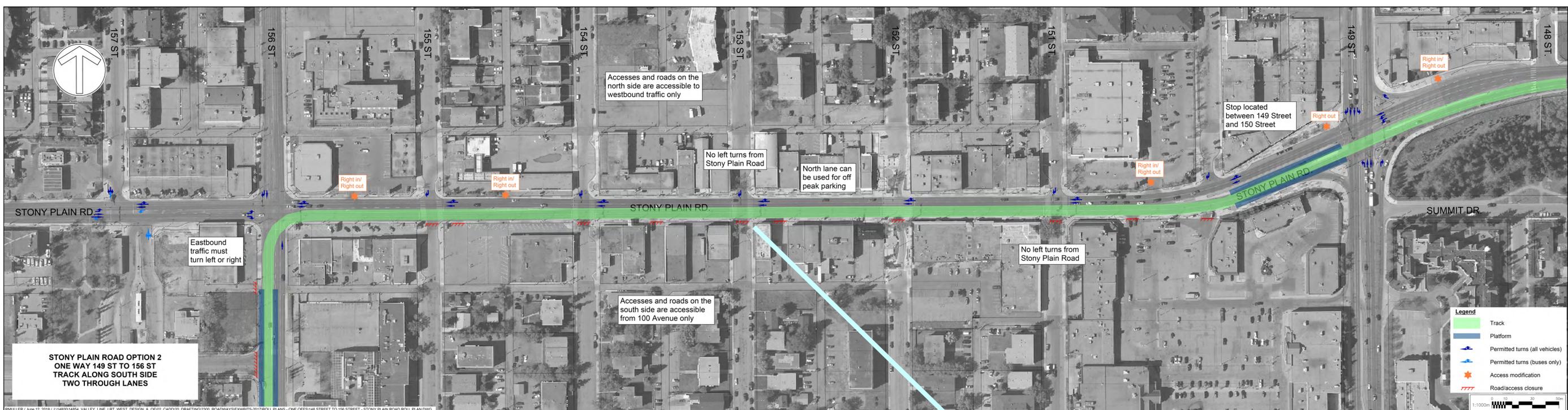


One-way Option #2

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LRT south alignment; 2 through lanes



Considerations

- Opportunity for on-street parking along north side of SPR in off-peak periods
- South side business delivery access via 100 Ave
- South side vehicle access to Stony Plain Road would be closed at 151, 152, 153, 154, and 155 St, except for emergency vehicles
- Reduced property requirement due to adjustment of the trackway and LRT stop location around 150 St
- Overhead Catenary System with streetlighting located along south side; separate streetlights along north sidewalk

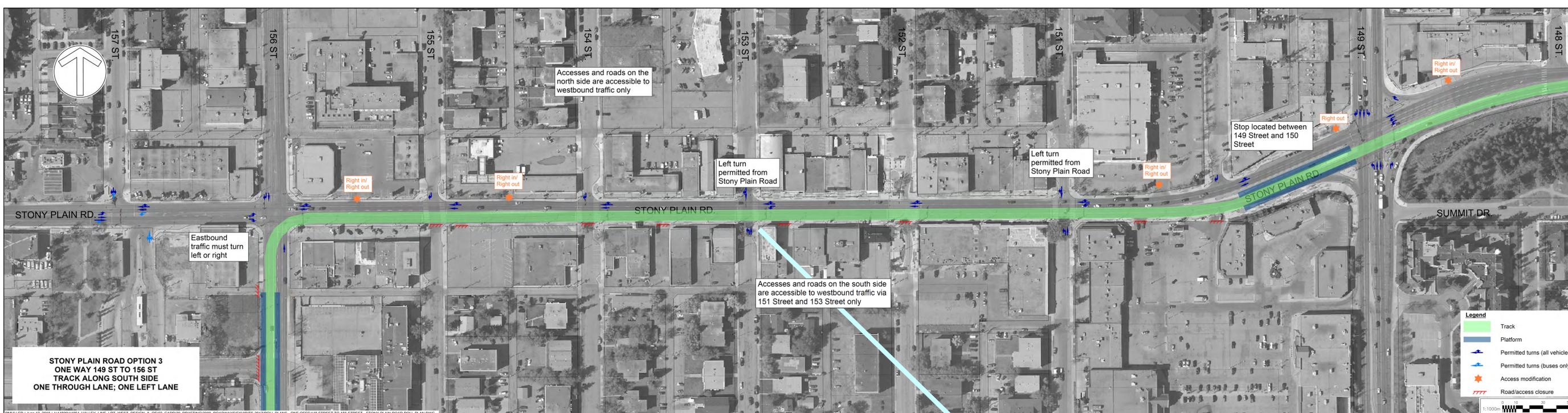


One-way Option #3

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LRT south alignment; 1 through & 1 left turn lane



Description

- LRT stop shifts one block east
- Two westbound through lanes between 153 St and 156 St (no westbound left turn movement at 156 St)
- Signalized vehicle crossings of SPR available at 151 St and 153 St
- Road closures required for every street south of SPR, except 151 St and 153 St
- Signalized pedestrian crossing of Stony Plain Road available at each intersection between 149 St and 156 St

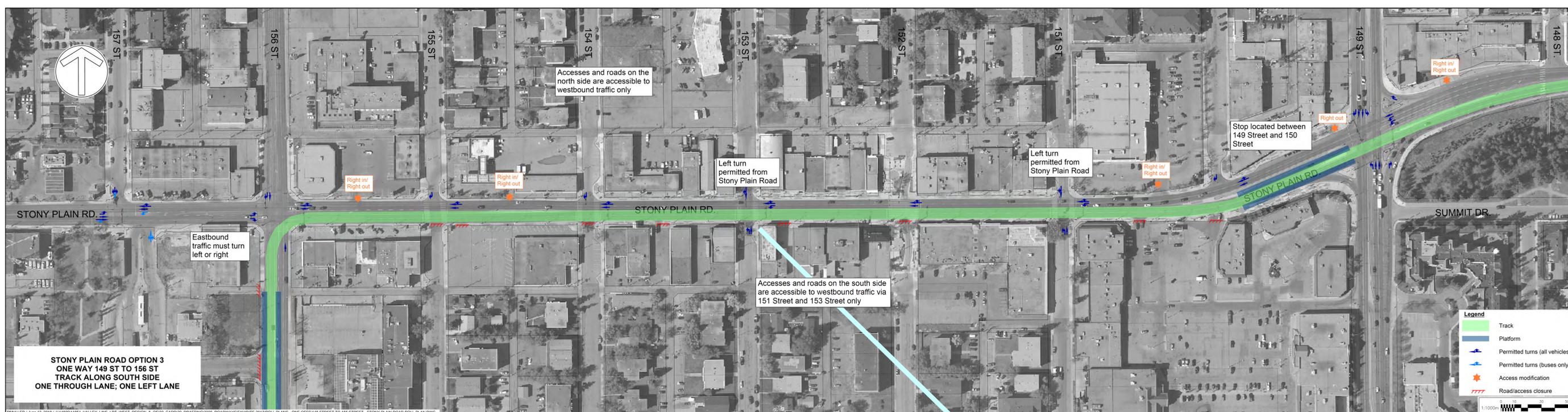


One-way Option #3

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LRT south alignment; 1 through & 1 left turn lane



Considerations

- Opportunity for westbound left turns at 151 St and 153 St
- South side business delivery access via 100 Ave
- South side vehicle access to Stony Plain Road will be closed at 152, 154, and 155 St, except for emergency vehicles
- Reduced property requirement due to adjustment of the trackway and LRT stop location around 150 St
- Overhead Catenary System with streetlighting located along south side; separate streetlights along north sidewalk



One-way Option #4

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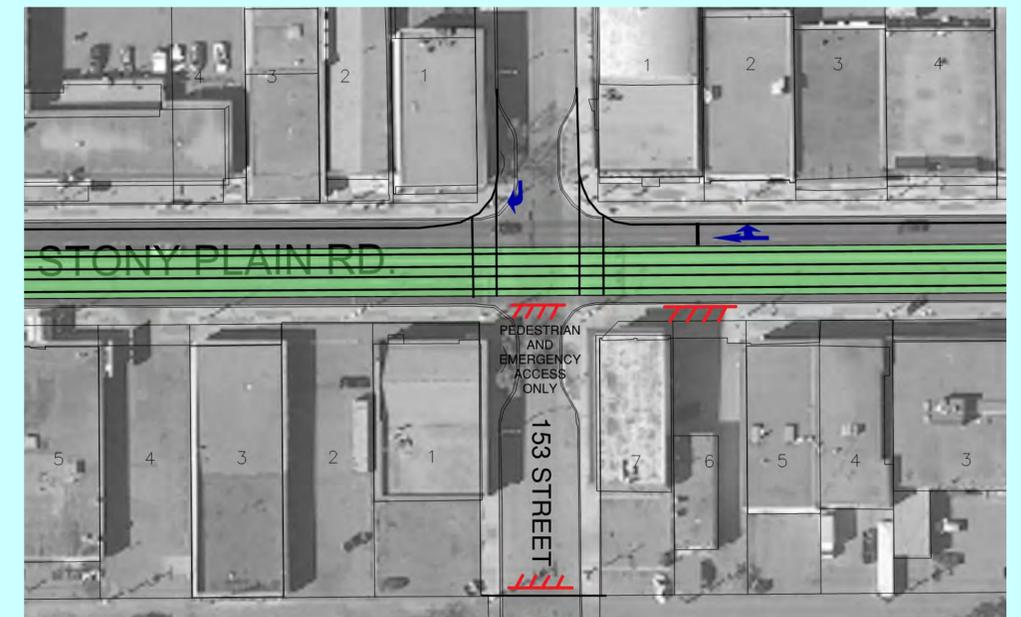
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LRT south alignment; 1 lane + wider sidewalks



Description

- Single westbound lane with sidewalks approximately 3 metres wide
- LRT stop shifts one block east
- No westbound left turn movement at 156 St
- No vehicle crossings of tracks between 149 St and 156 St
- Road closures required for every street south of SPR
- Signalized pedestrian crossing of Stony Plain Road available at each intersection between 149 St and 156 St

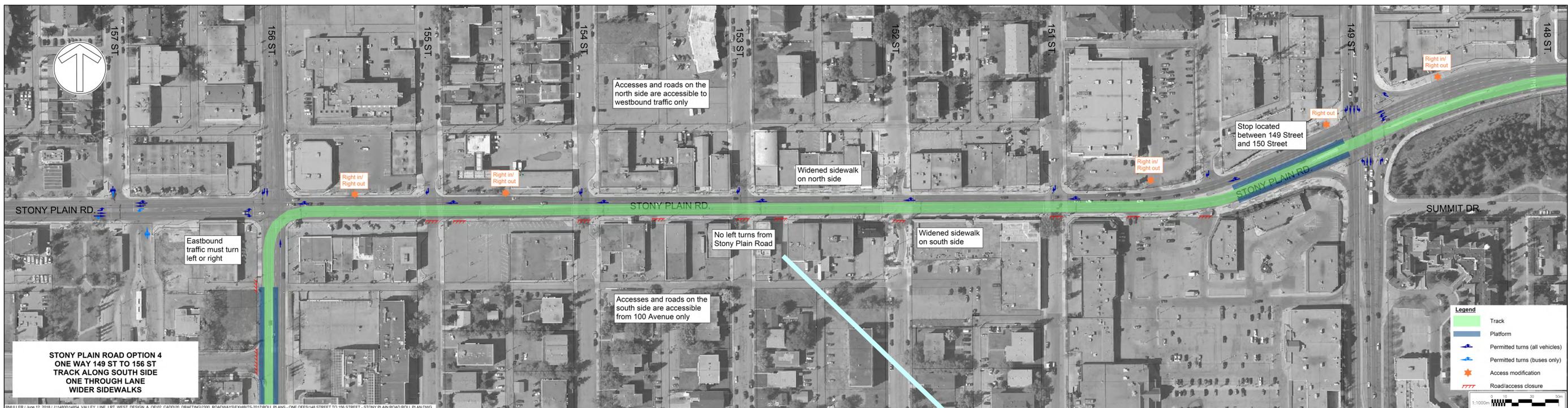


One-way Option #4

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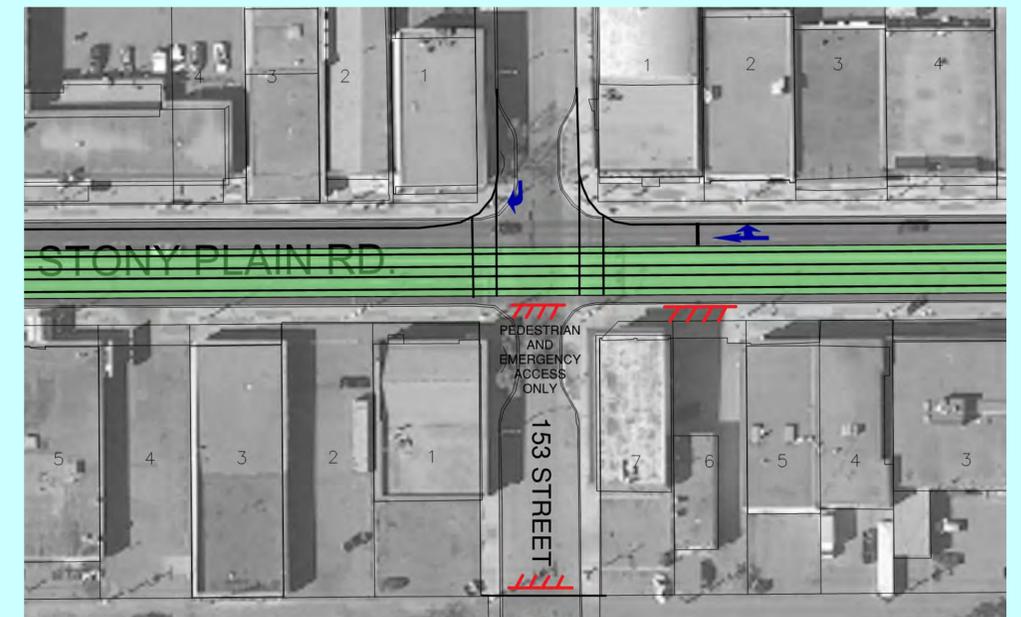
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LRT south alignment; 1 lane + wider sidewalks



Considerations

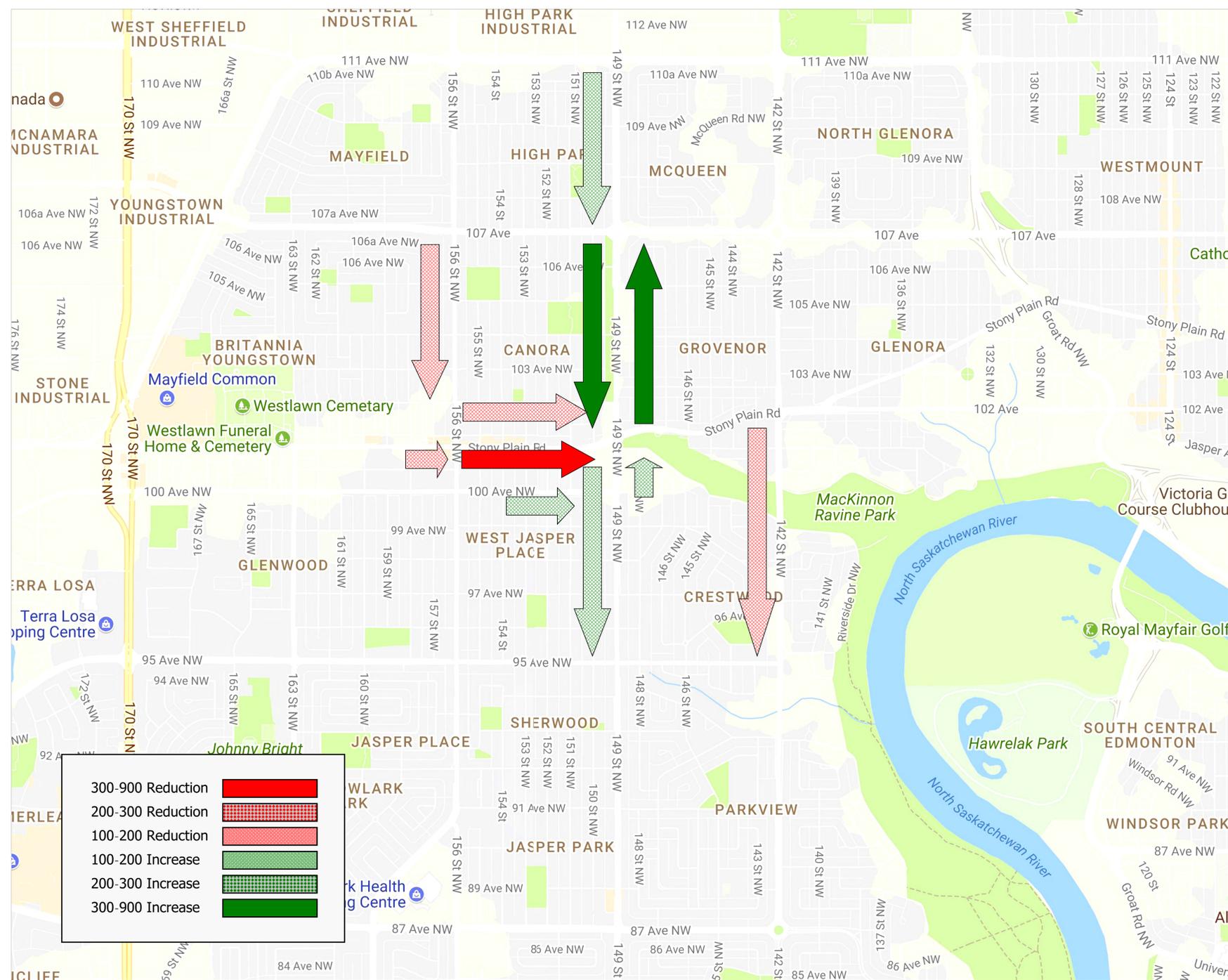
- Wider sidewalks and improved pedestrian realm
- South side business delivery access via 100 Ave
- South side vehicle access to Stony Plain Road would be closed at 151, 152, 153, 154, and 155 St, except for emergency vehicles
- Reduced property requirement due to adjustment of the trackway and LRT stop location around 150 St
- Overhead Catenary System with streetlighting located along south side; separate streetlights along north sidewalk



Network Implications

Valley Line West Lewis Farms - Downtown

One-way PM peak projections—opening day*



*compared to Concept Plan

Next steps

- Continue review of options, with consideration of public input and network implications
- Develop recommendations and present to City Council in Fall 2018
- If a 1-way option is recommended, there are potential future considerations for:
 - Possible extension of 1-way westbound operation of Stony Plain Road from 156 Street to 170 Street
 - Possible review of 100 Avenue operation (1-way eastbound or retain 2-way operation)
 - Potential impact to Valley Line West LRT project timelines

What Do You Think?

COMPLETE A FEEDBACK FORM

- Tell us your views on the possible conversion of Stony Plain Road to a one-way westbound arrangement between 149 Street and 156 Street

LEARN MORE ABOUT VALLEY LINE WEST AND TELL US WHAT YOU THINK

- Visit us at www.edmonton.ca/valleylinewest
- Email us at LRTprojects@edmonton.ca
- Contact the LRT Projects Information Centre by phone at [780-496-4874](tel:780-496-4874)