

Southeast LRT Workshop Session

www.edmonton.ca/LRTProjects

Welcome

Wagner to Mill Woods

May 27, 2010



Tonight's Meeting Purpose

www.edmonton.ca/LRTProjects

- To provide more detailed information on Southeast LRT concept engineering
- To provide specific detail on alignment alternatives for Argyll Road / 83 Street to 31 Avenue / 66 Street
- To collect comments from participants

LRT Workshop Session Schedule

www.edmonton.ca/LRTProjects

West LRT	
May 4, 2010	Lewis Estates to Meadowlark
May 6, 2010	Meadowlark to SPR/142 St.
May 12, 2010	SPR/149 St. to SPR/124 St.
May 13, 2010	Groat Road to Downtown

Southeast LRT	
May 18, 2010	Downtown to Strathearn
May 19, 2010	Strathearn to Whyte Ave
May 26, 2010	Bonnie Doon to Wagner
May 27, 2010	Wagner to Mill Woods

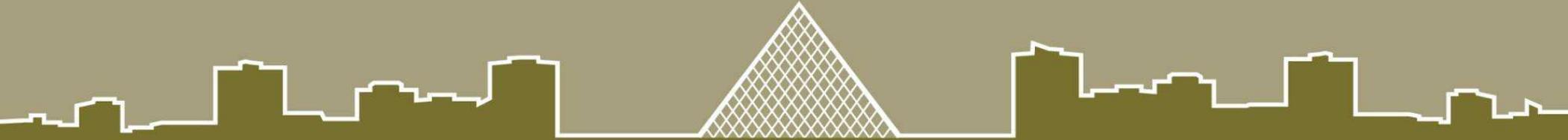
www.edmonton.ca/LRTProjects



Proposed Agenda

www.edmonton.ca/LRTProjects

- Welcome and Introductions
- Project Background
- Session #1: Right-of-way Alignment
- Session #2: Station Location and Configuration
- Session #3: Neighbourhood and Business Access
- Conclusion

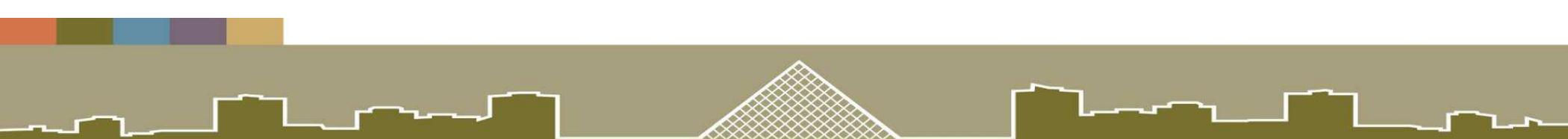


Southeast LRT

Wagner to Mill Woods

www.edmonton.ca/LRTProjects

Project Background



Where we are in the process?

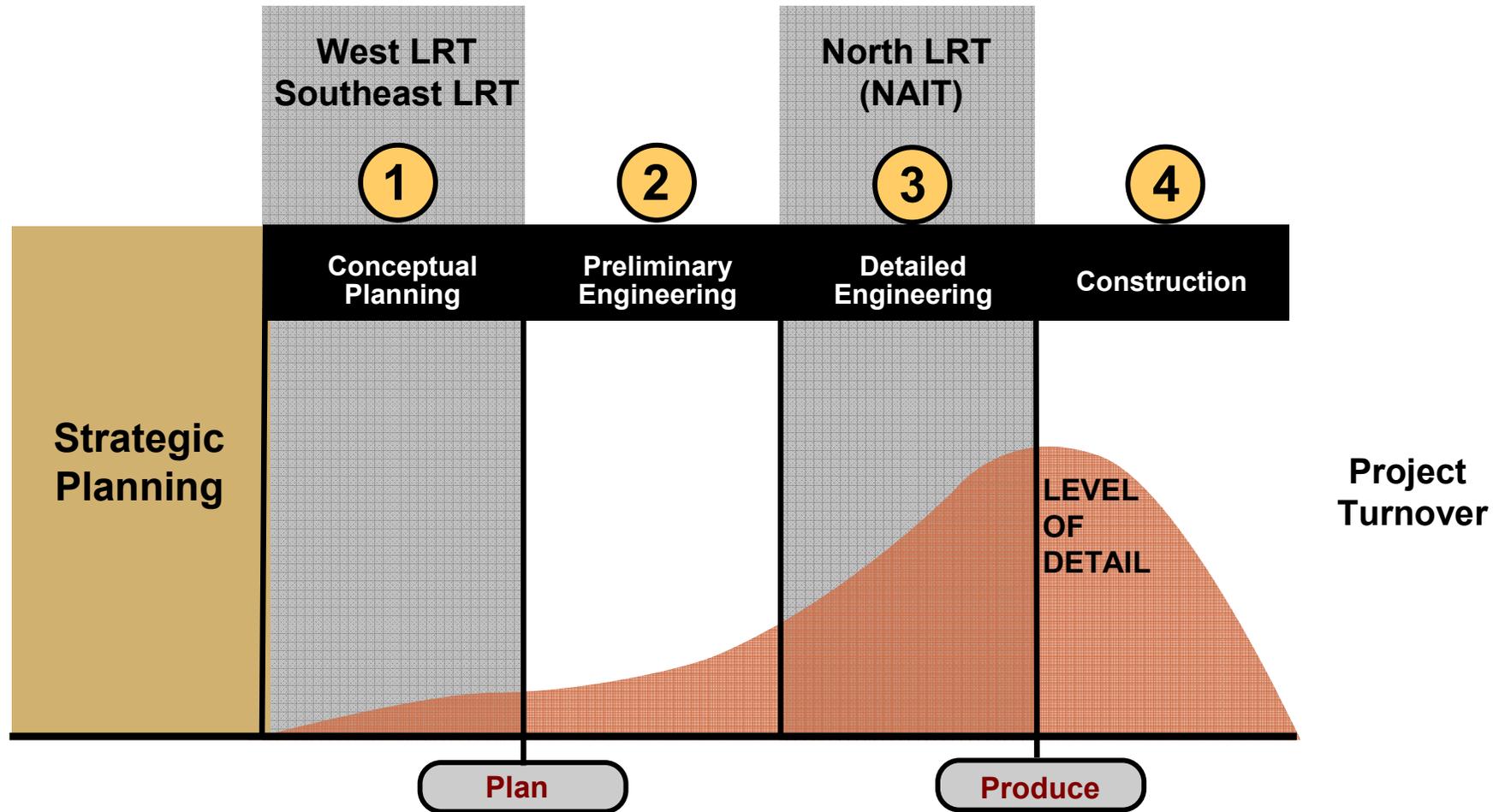
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Council approvals to date:

- LRT Network Plan (*June 2009*)
- Southeast LRT Corridor (*December 2009*)
- West LRT Corridor (*December 2009*)

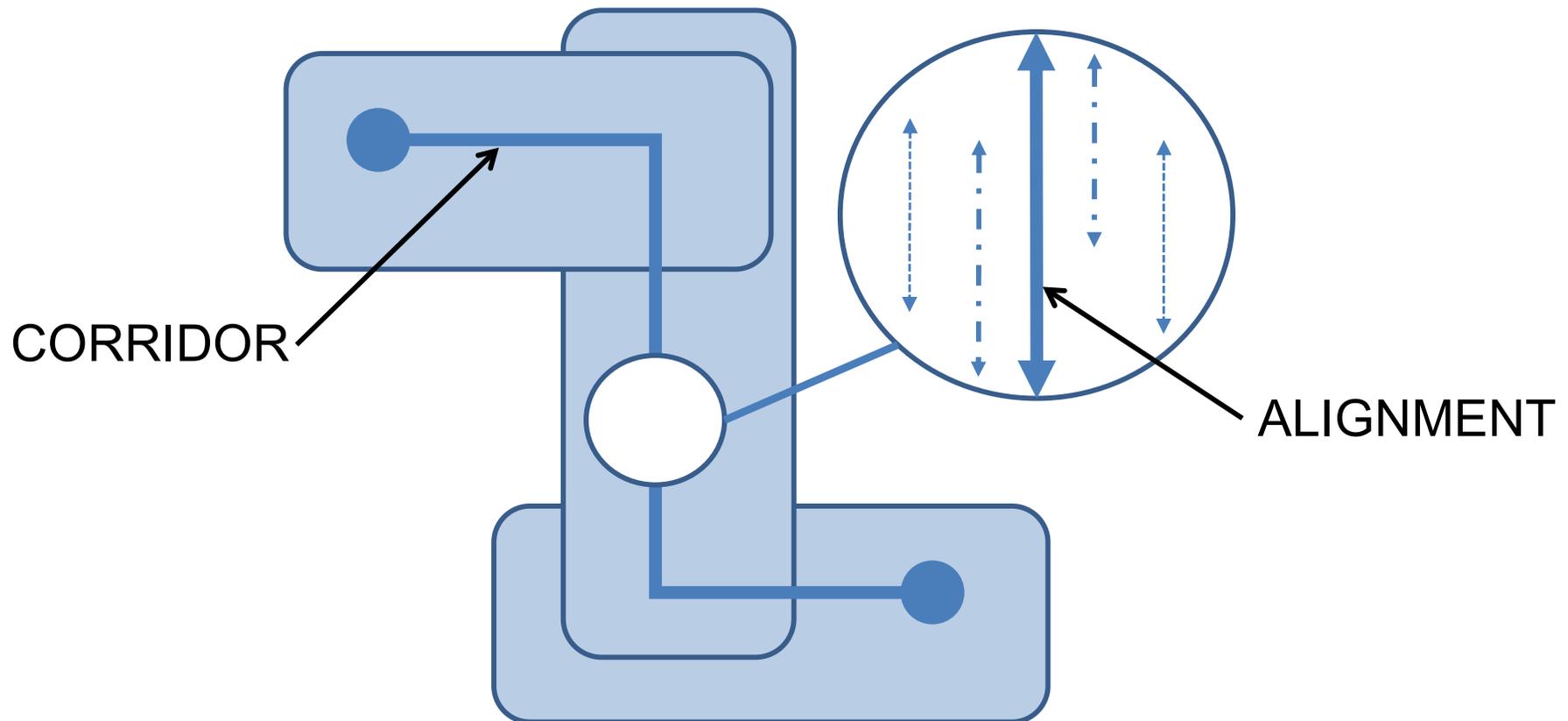
Where we are in the process?

www.edmonton.ca/LRTProjects



Corridor vs. Alignment

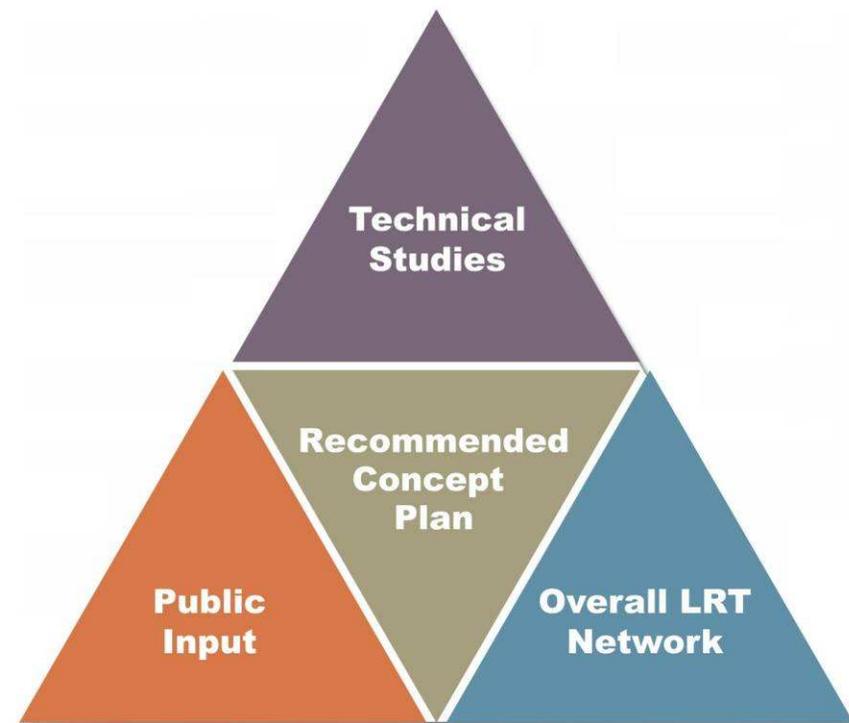
www.edmonton.ca/LRTProjects



Where we are in the process today?

www.edmonton.ca/LRTPProjects

- Presenting information (givens):
 - Grade Separations
 - Noise Study
 - Roadway Network
 - Safety
- Collecting participant comment/input (testing ideas):
 - Right-of-Way Alignment
 - Station Location
 - Neighbourhood and Business Access



Where are we going?

www.edmonton.ca/LRTProjects

Alignment Selection

Alignment Definition

Reporting

MAY

SEP

NOV

DEC

Workshops



Open Houses



Information Sessions



Public Hearing

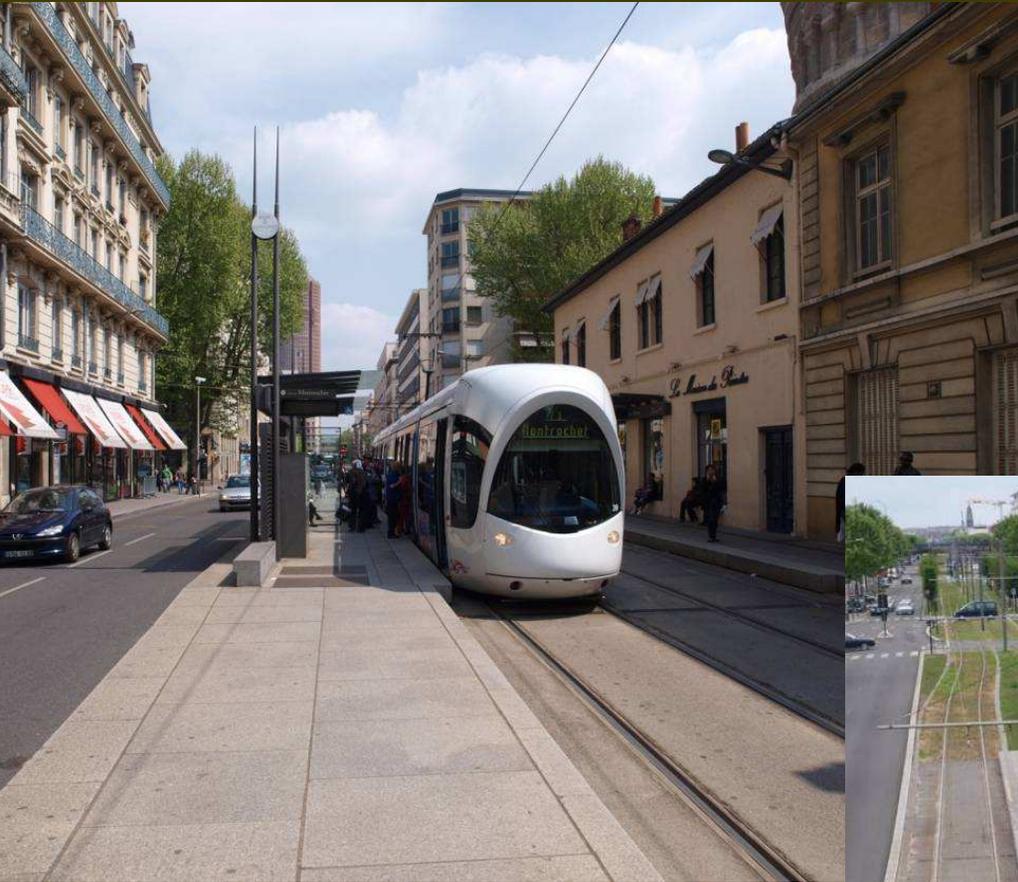


*On going Consultation
with Key Stakeholders*



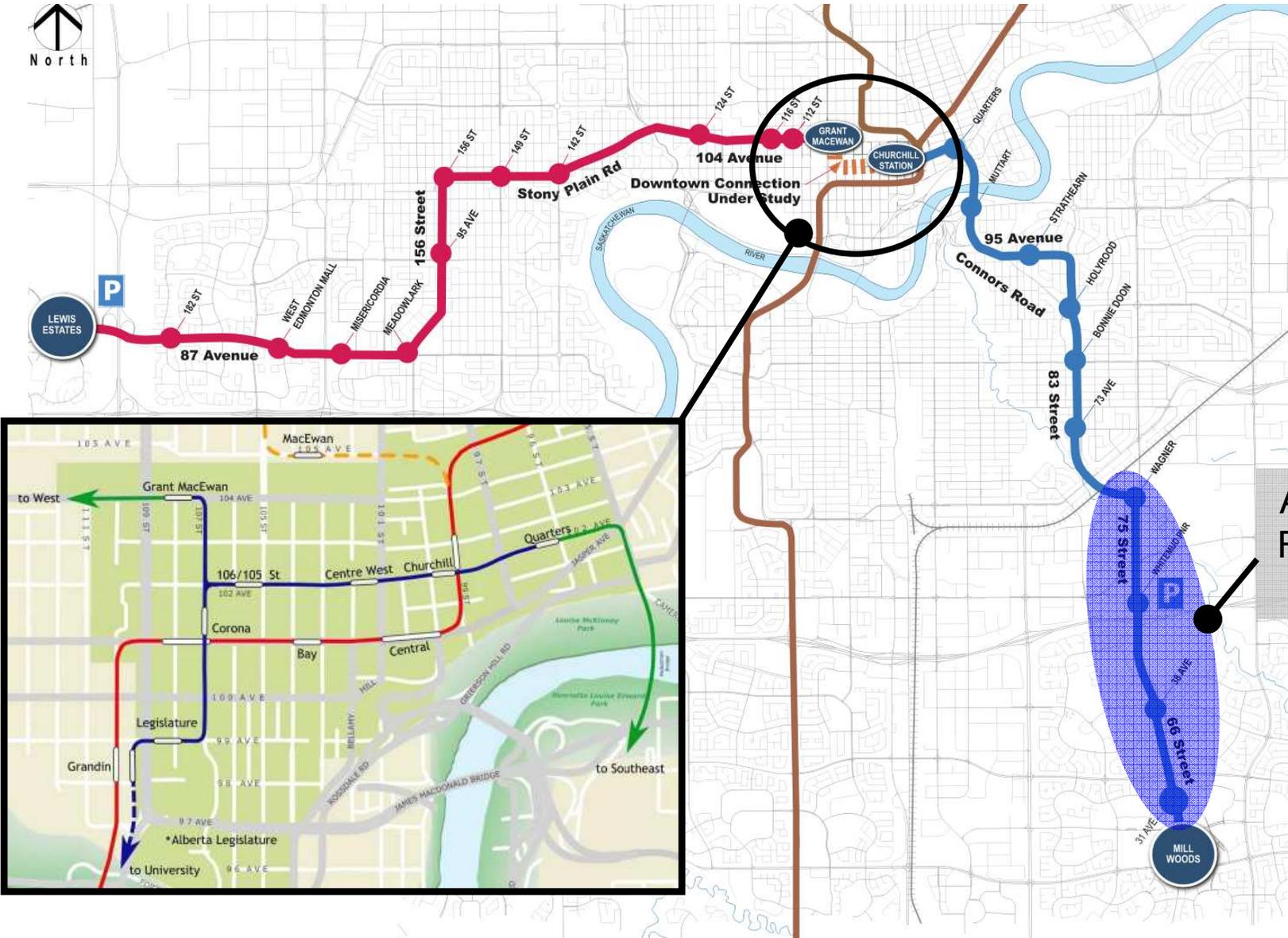
Urban Style LRT

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Southeast and West LRT Corridors

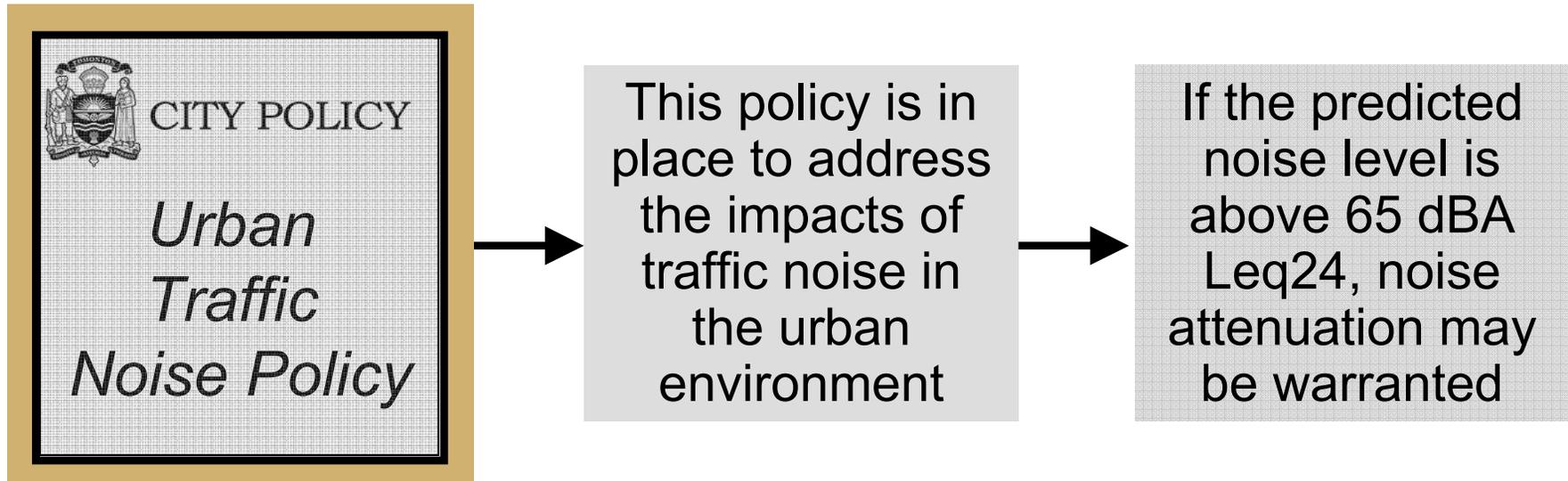
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LRT Noise Impact

www.edmonton.ca/LRTProjects

- LRT Noise Impact Study under way



Roadway Network

www.edmonton.ca/LRTPProjects

- 75 Street
- Whitemud Drive
- Reviewing key intersections



75 Street / Roper Road



75 Street / Whitemud Drive



66 Street / 38 Avenue



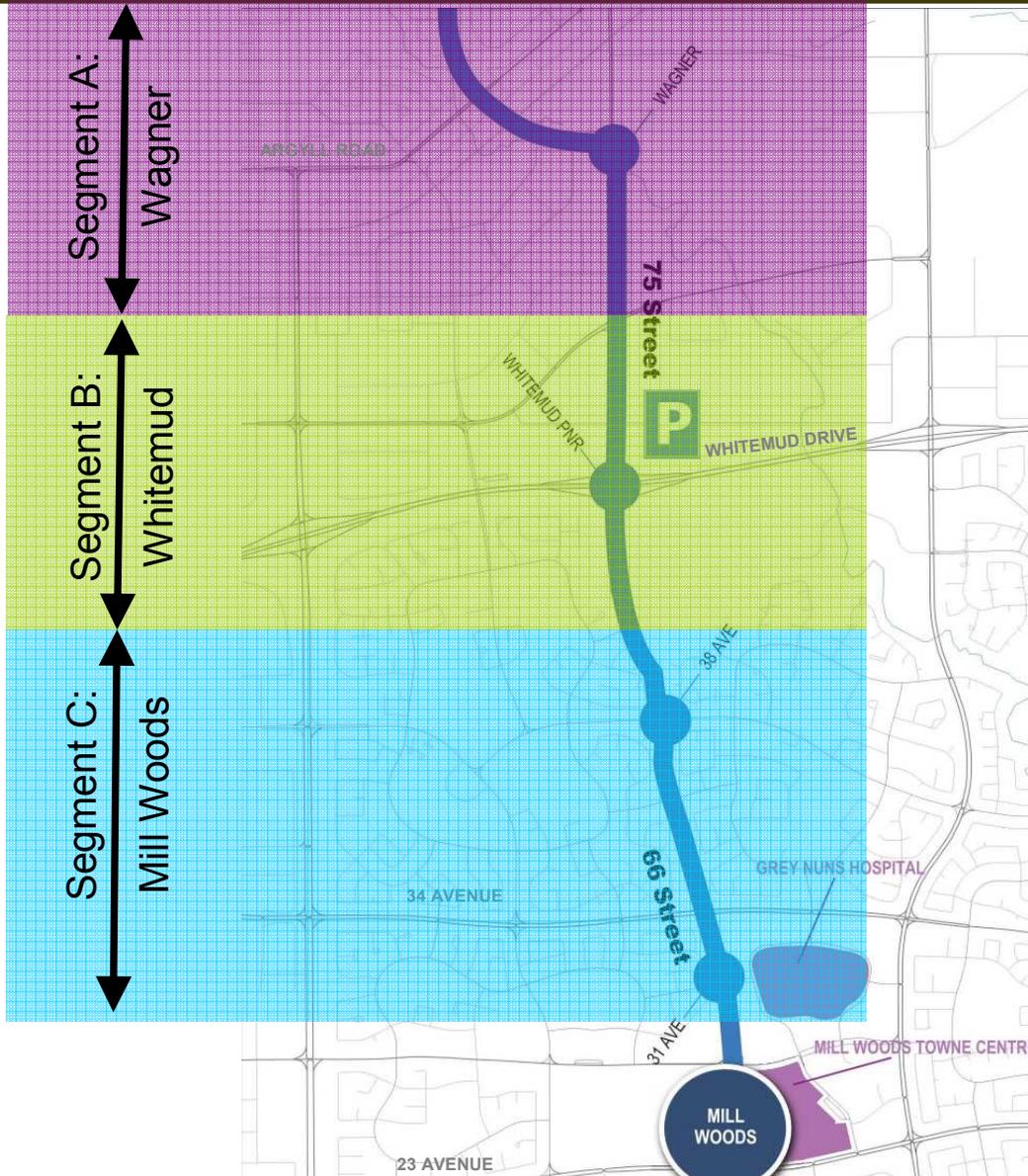
Workshop Session Overview

www.edmonton.ca/LRTProjects

- Session #1:
 - Right-of-way Alignment
- Session #2:
 - Station Location
- Session #3:
 - Neighbourhood and Business Access

Neighbourhood Groupings

www.edmonton.ca/LRTProjects





Southeast LRT
Wagner to Mill Woods

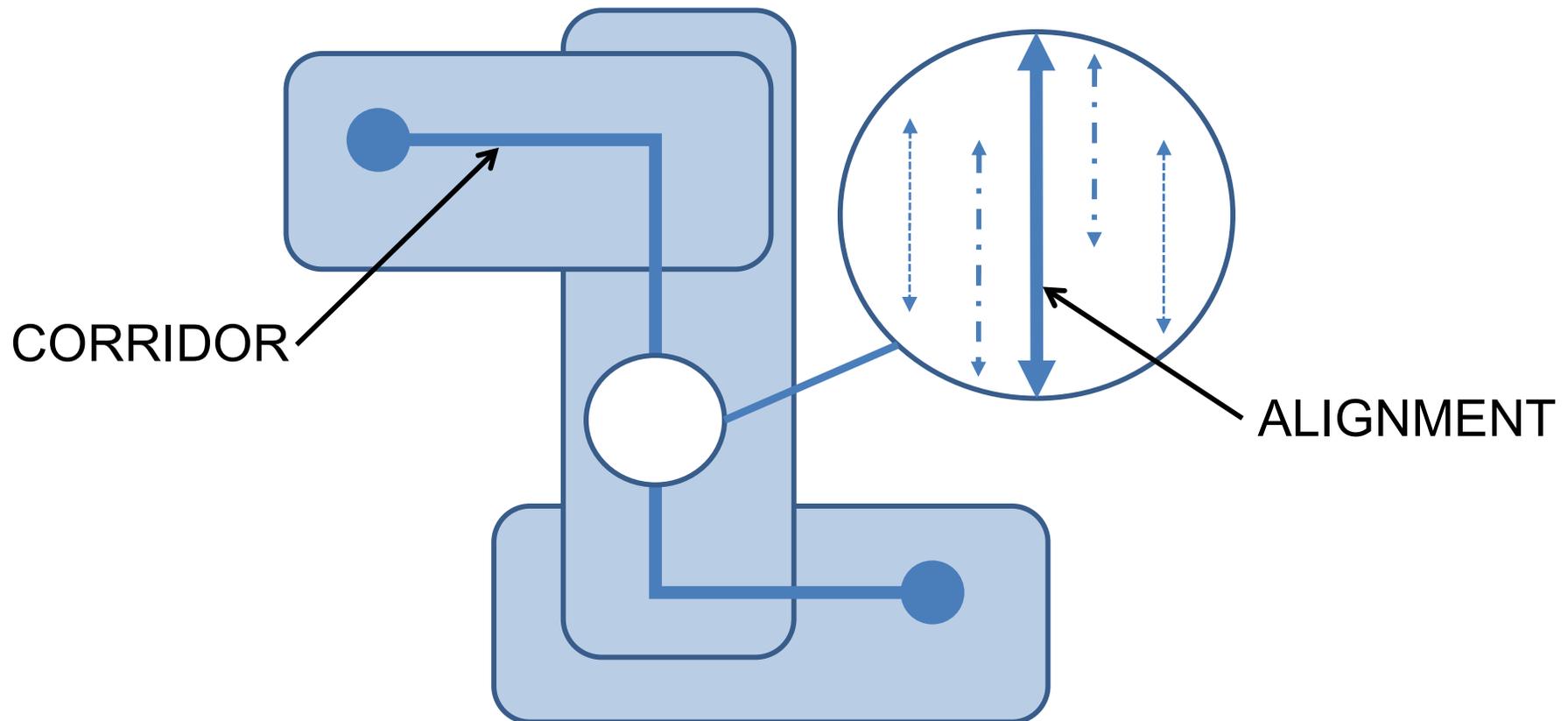
www.edmonton.ca/LRTProjects

Session #1

Right-of-Way (ROW)
Alignment Alternatives

Corridor vs. Alignment

www.edmonton.ca/LRTProjects



Right-of-Way

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- There are impacts
- Constrained Right-of-Way
- Minimize property requirements by removing:
 - service roads
 - traffic lanes
 - on-street parking





ROW Alignment Options

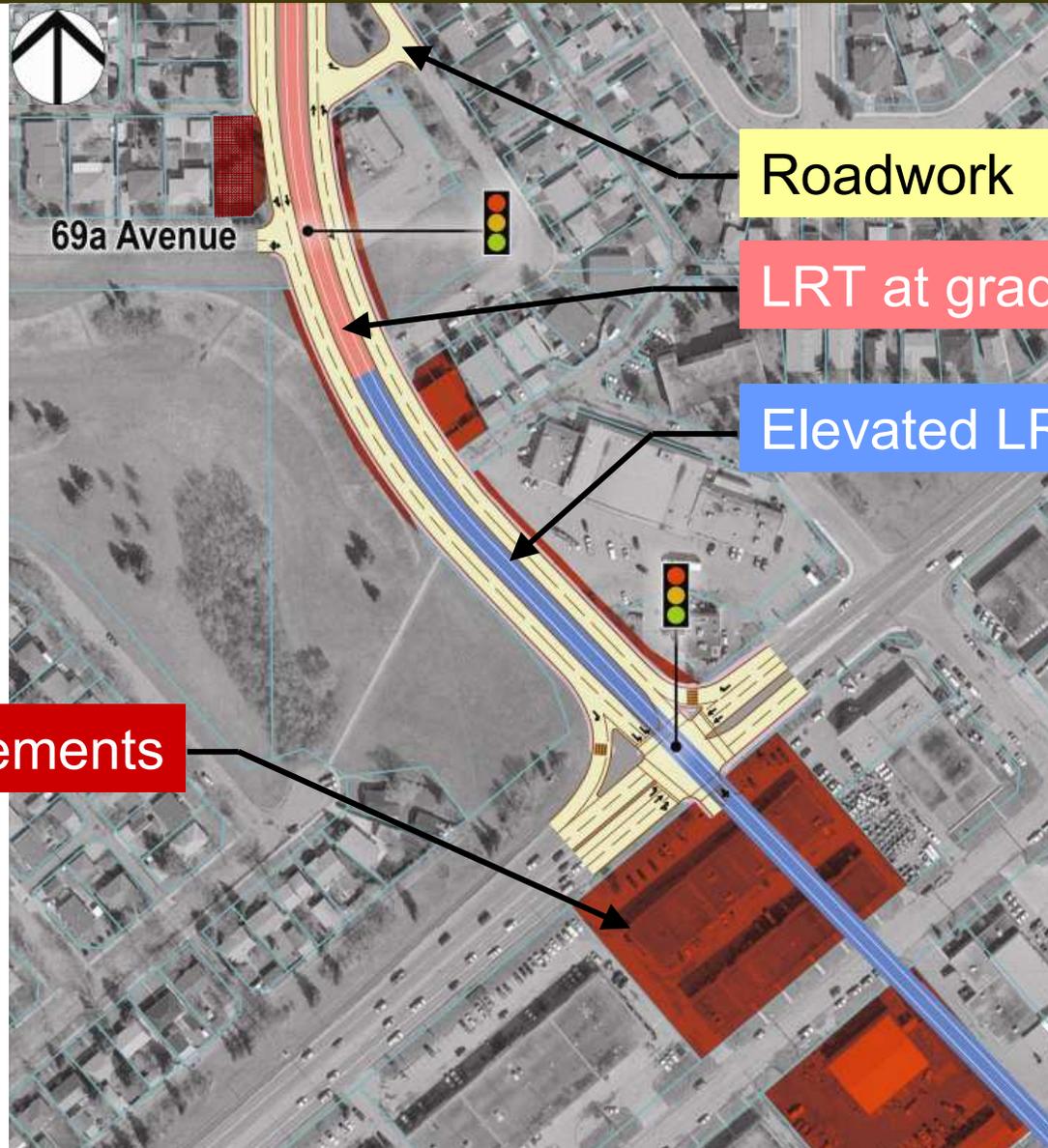
www.edmonton.ca/LRTProjects

Comment on your chosen section

- *What needs to be considered for each alignment?*

Legend / Key

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Roadwork

LRT at grade

Elevated LRT

Property Requirements

Station
(not shown here)

ROW Alignment - Segment A

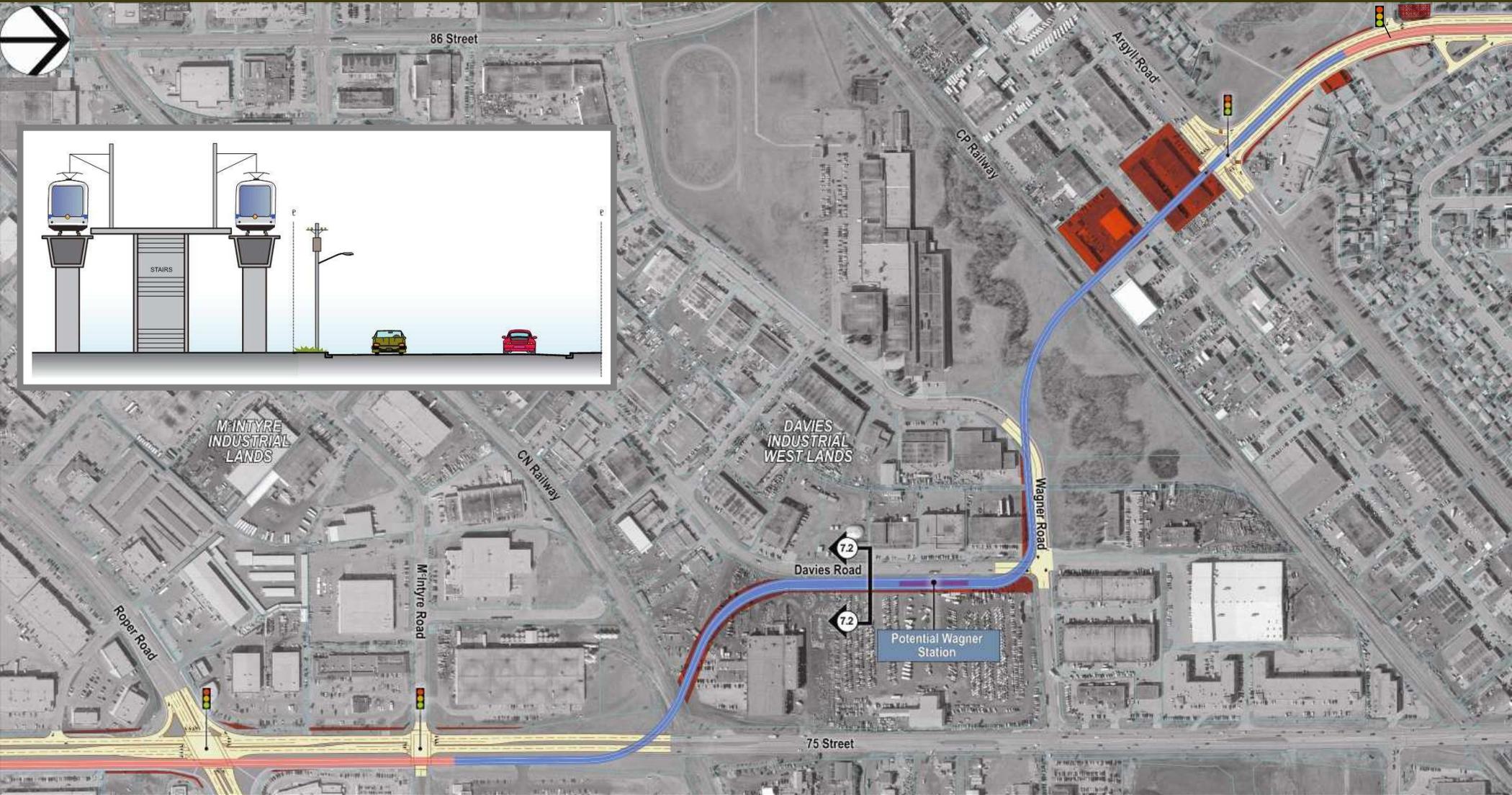
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ALTERNATIVE 1 - Centre Running LRT on 75 Street

ROW Alignment - Segment A

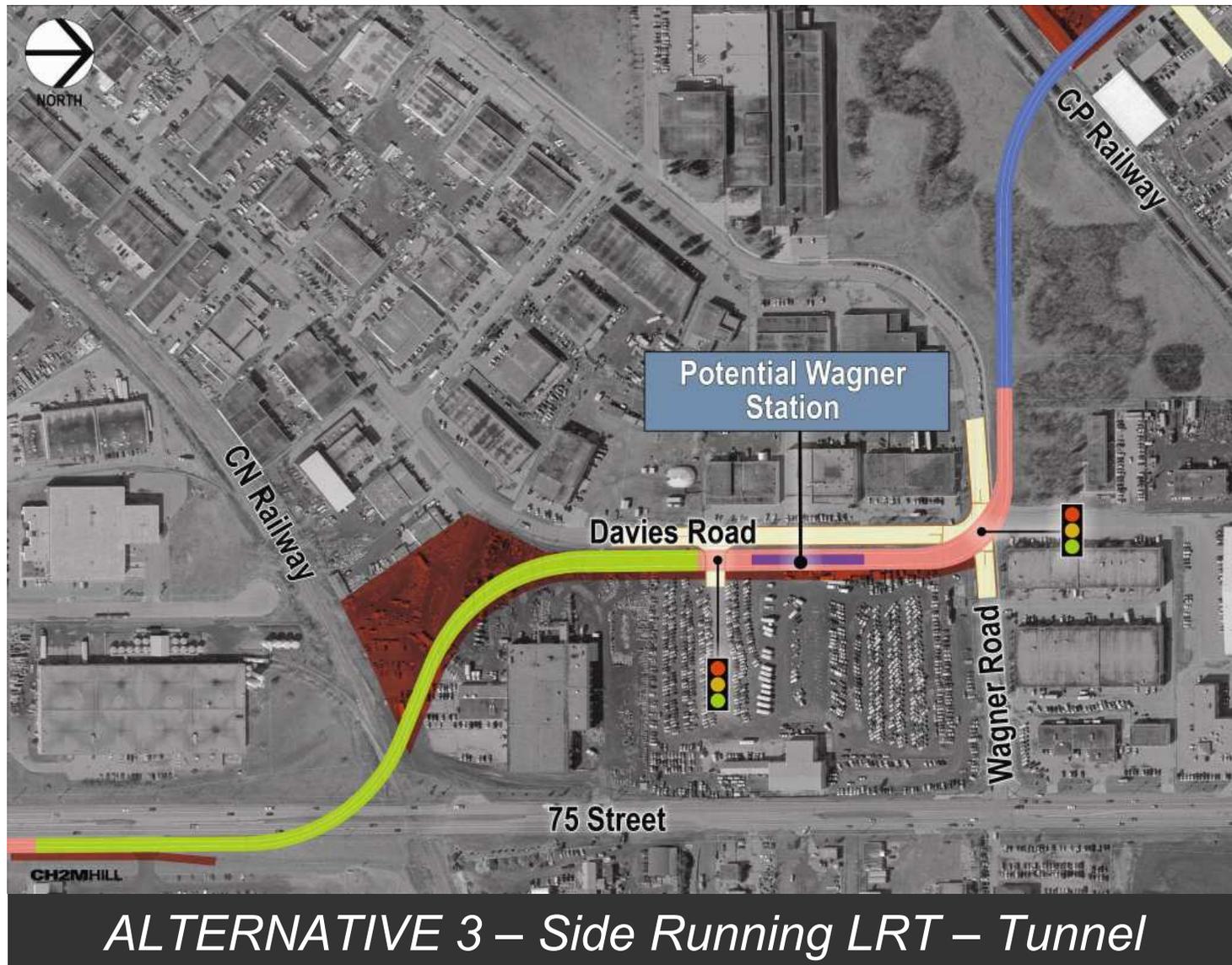
www.edmonton.ca/LRTProjects



ALTERNATIVE 2 – Side Running LRT on 75 Street – Davies Road

ROW Alignment - Segment A

www.edmonton.ca/LRTProjects



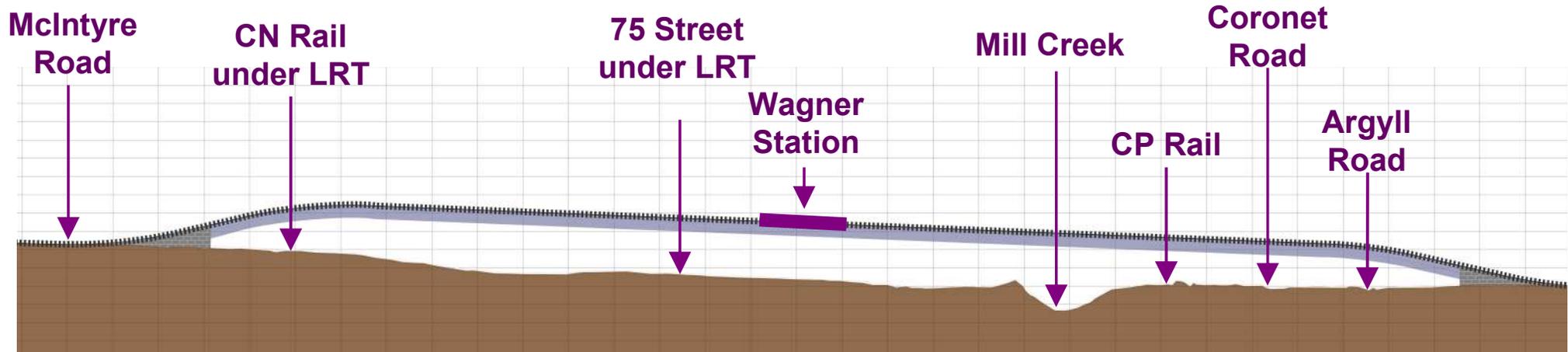
Elevated ROW

www.edmonton.ca/LRTPProjects

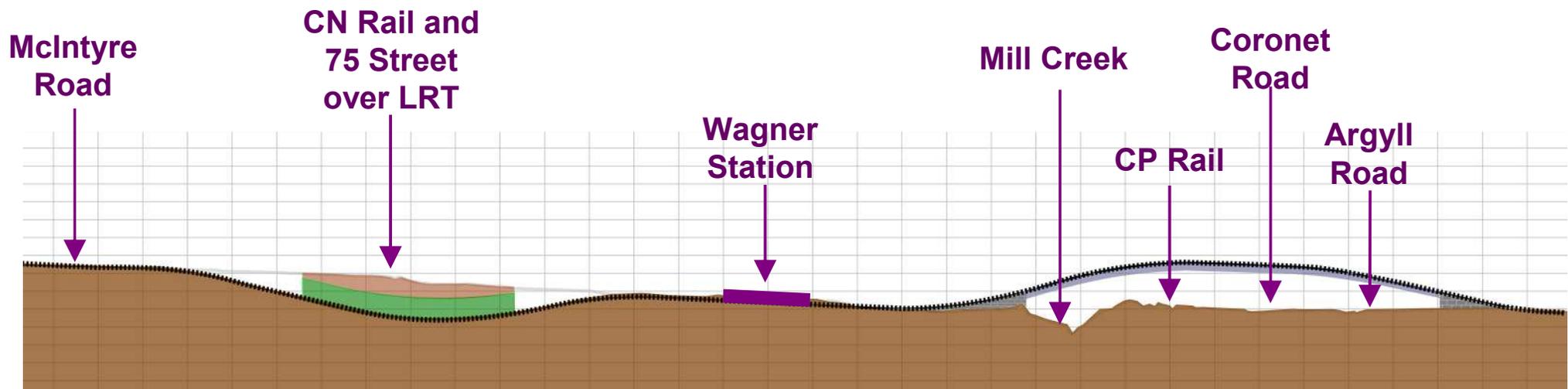


Elevated LRT - Profile

www.edmonton.ca/LRTProjects



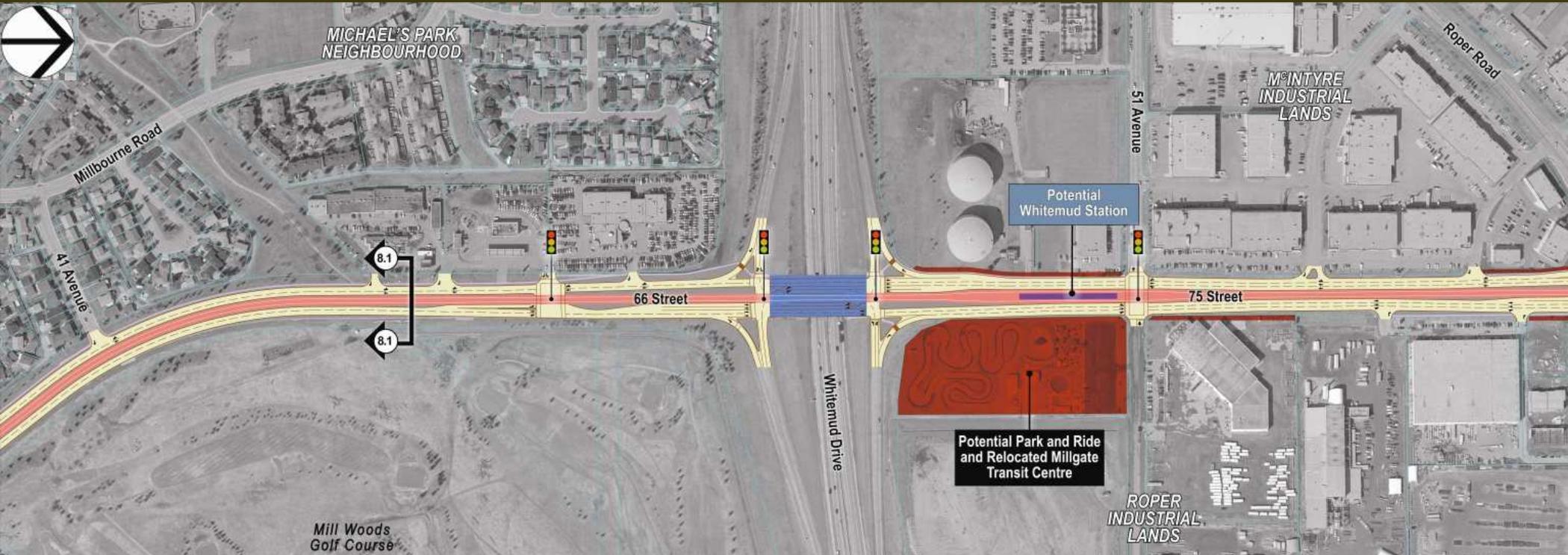
Wagner Road / 75 Street with Bridge



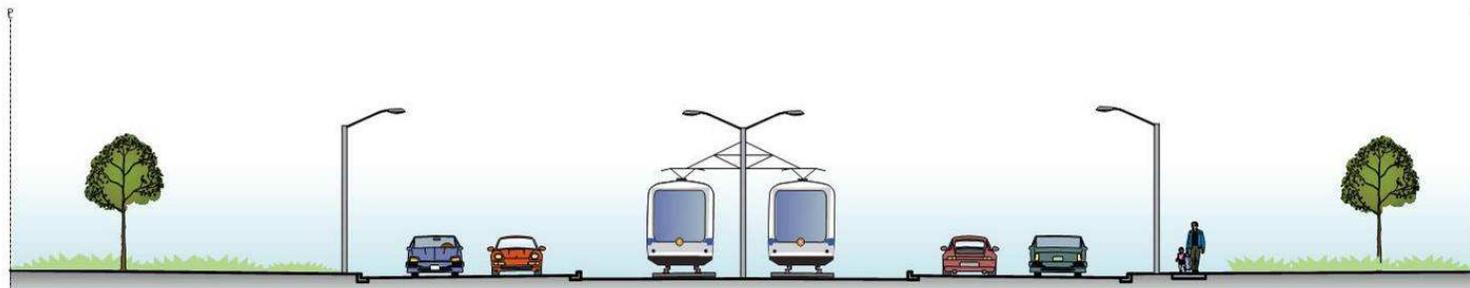
Davies Road with Tunnel under CN Rail

ROW Alignment - Segment B

www.edmonton.ca/LRTProjects

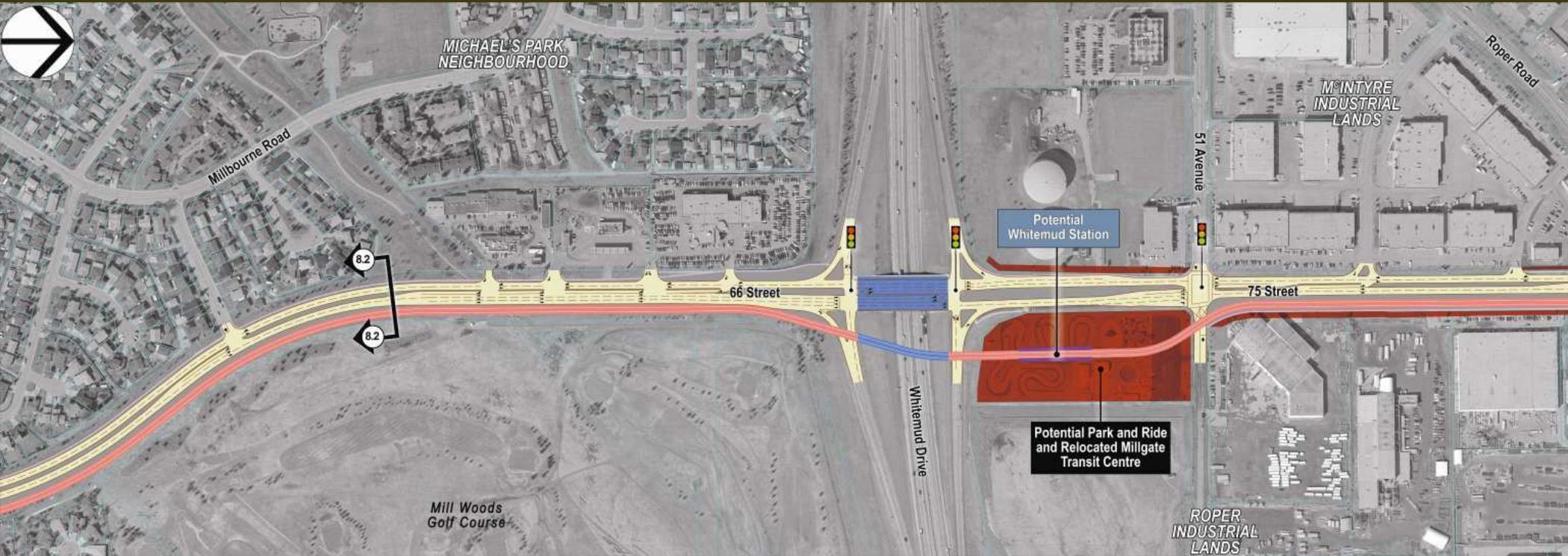


ALTERNATIVE 1 – Centre Running LRT on 75 Street

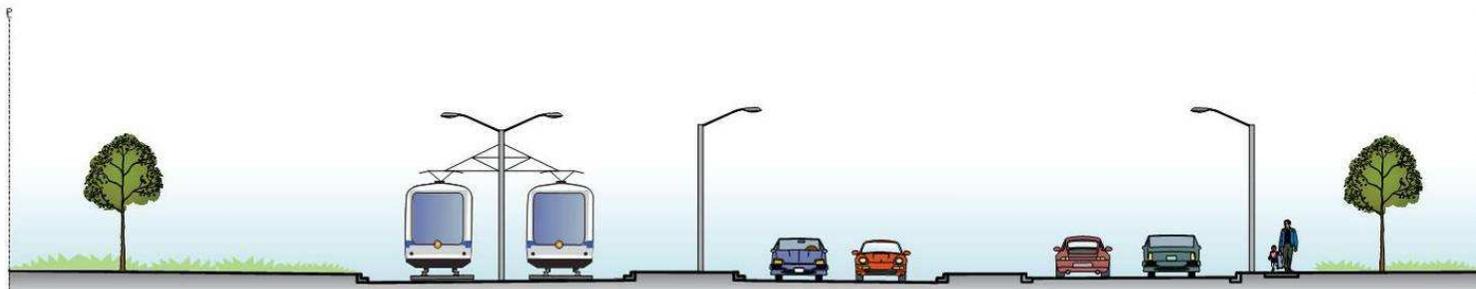


ROW Alignment - Segment B

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ALTERNATIVE 2 – Side Running LRT on 75 Street

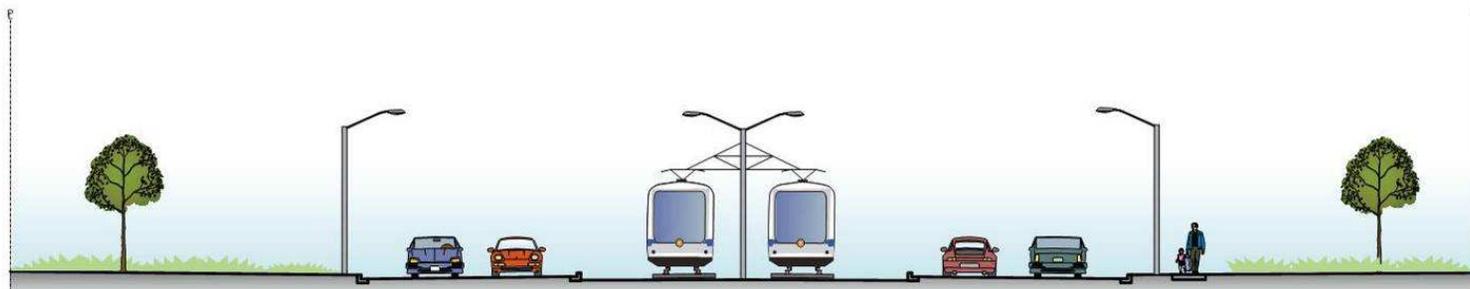


ROW Alignment - Segment C

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ALTERNATIVE 1 – Centre Running LRT on 66 Street

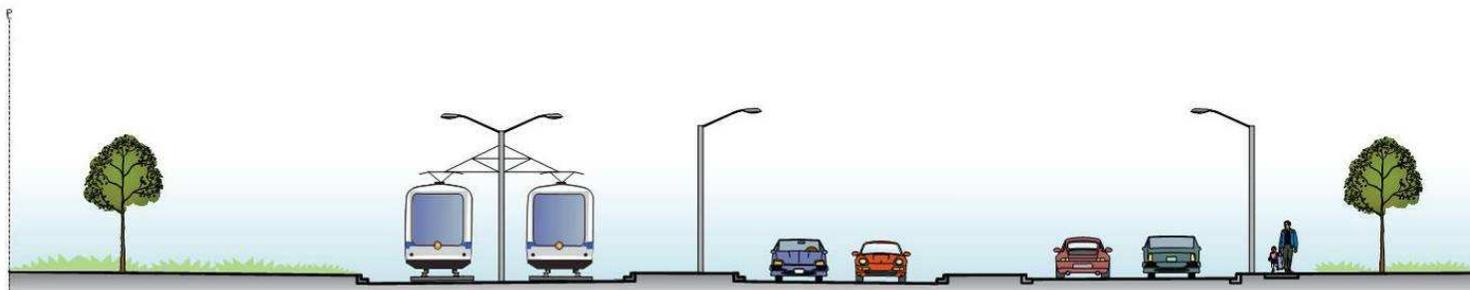


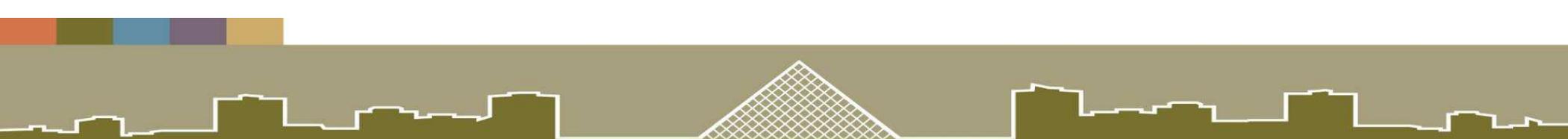
ROW Alignment - Segment C

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ALTERNATIVE 2 – Side Running LRT on 66 Street





ROW Alignment – Workshop Question

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Comment on your chosen section

Given that the corridor has been defined and that we are only talking about the ROW alignment alternatives,

– What needs to be considered for each alignment?

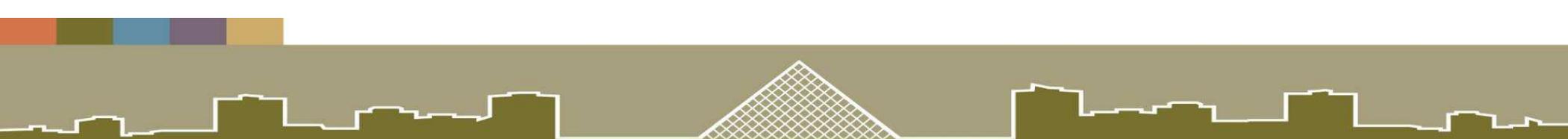


Southeast LRT
Wagner to Mill Woods

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Session #2

**Station Location and
Configuration**



Station Location and Configuration Options

www.edmonton.ca/LRTProjects

Comment on your chosen section

– *How does this station fit into your neighbourhood?*

*How does it affect your travel patterns?
(pedestrian, cyclist, or driver)*

Simple Stop Design

www.edmonton.ca/LRTProjects

Low floor vehicles and platforms provide:

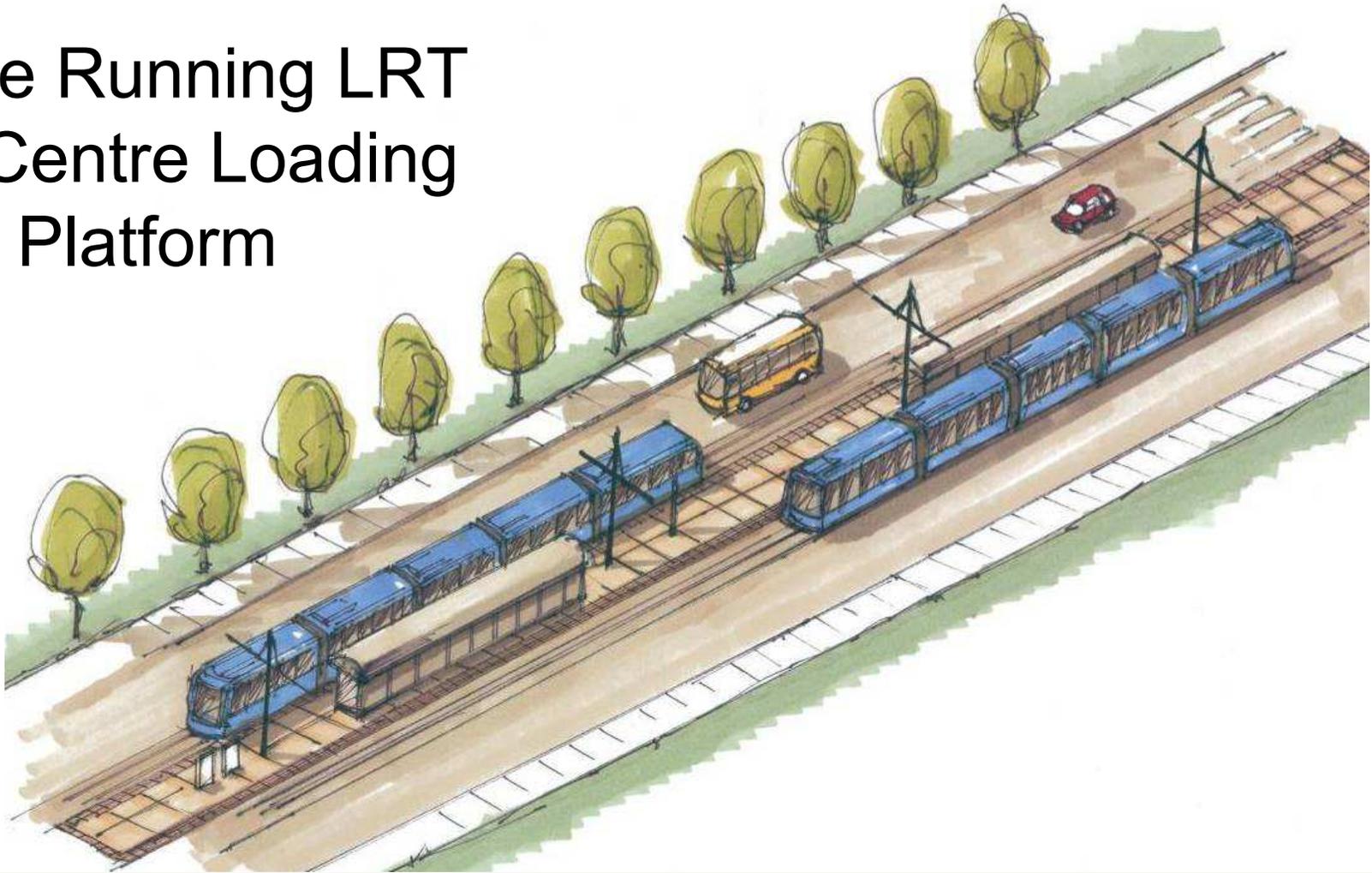
- Simple Infrastructure
- Fits into surrounding areas
- Improved neighbourhood connections



Station Configuration

www.edmonton.ca/LRTProjects

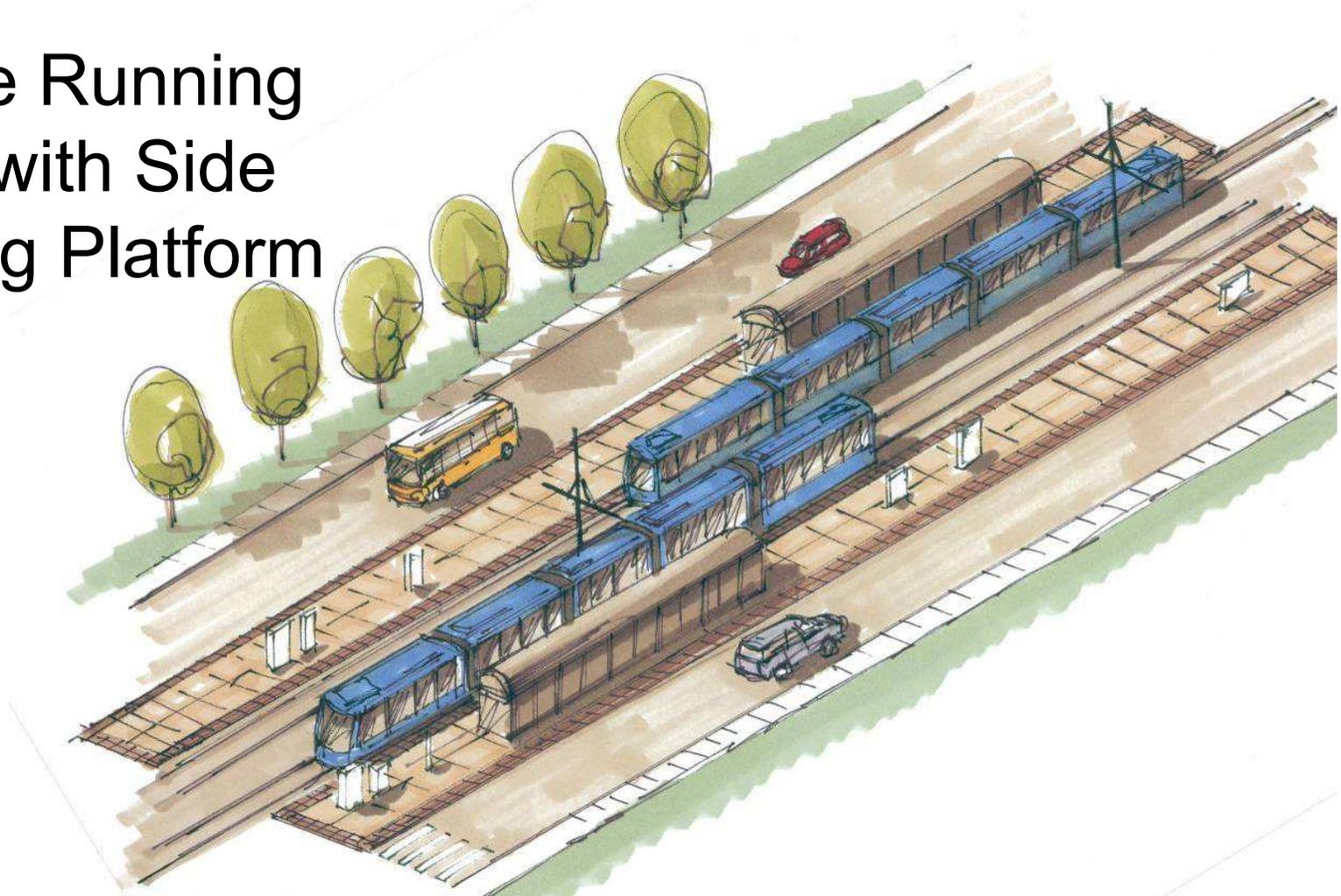
Centre Running LRT with Centre Loading Platform



Station Configuration

www.edmonton.ca/LRTProjects

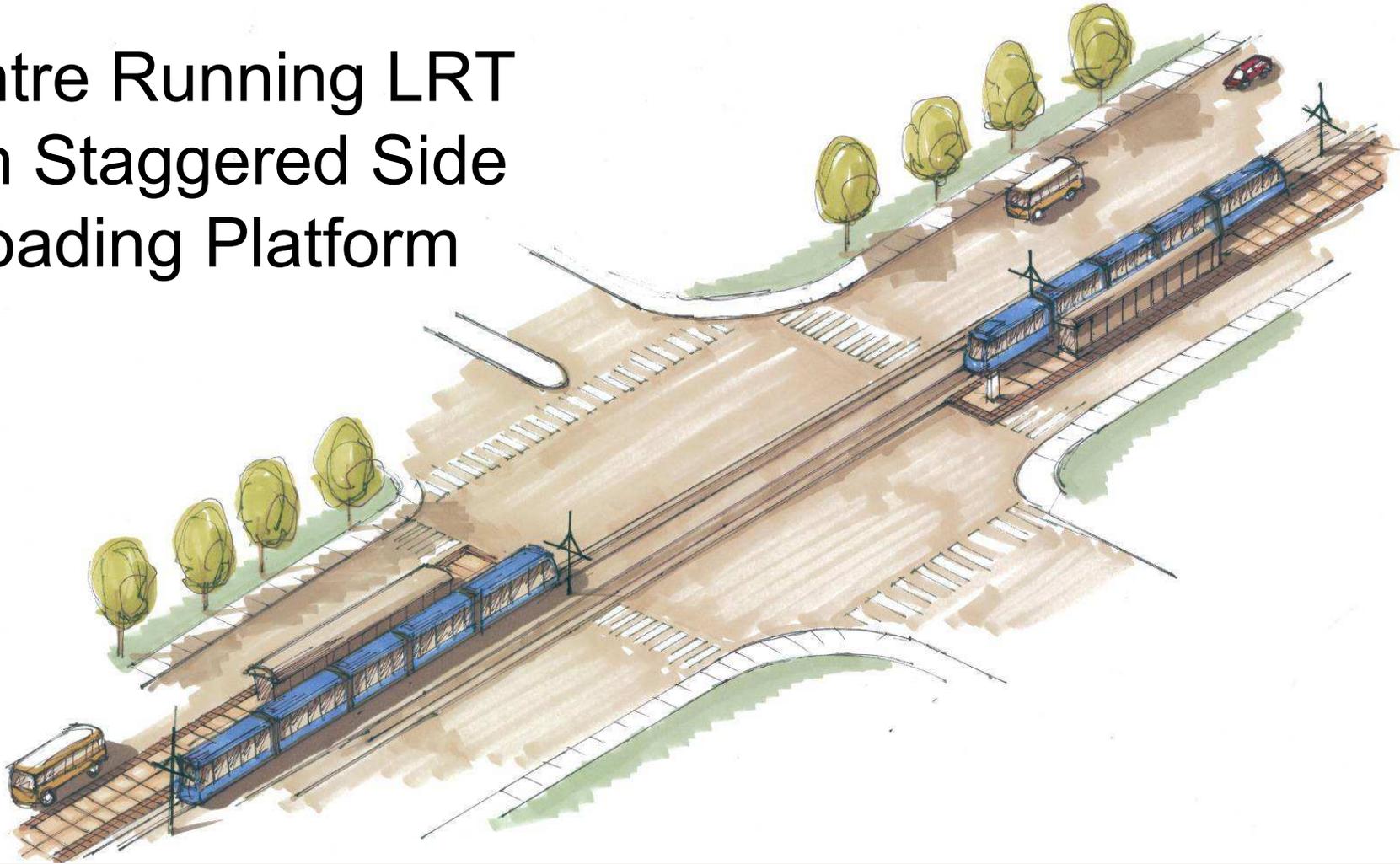
Centre Running
LRT with Side
Loading Platform



Station Configuration

www.edmonton.ca/LRTPProjects

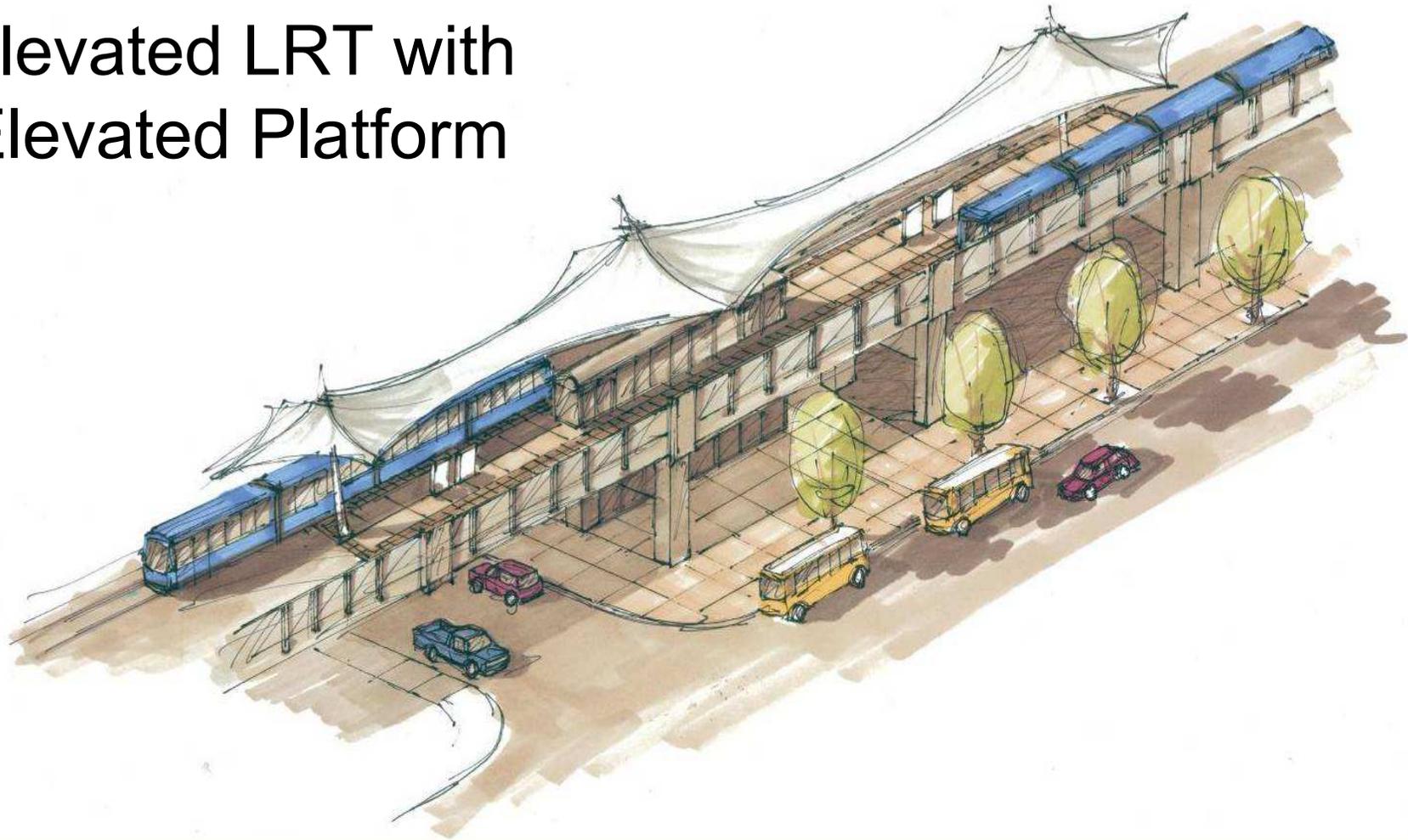
Centre Running LRT
with Staggered Side
Loading Platform



Station Configuration

www.edmonton.ca/LRTProjects

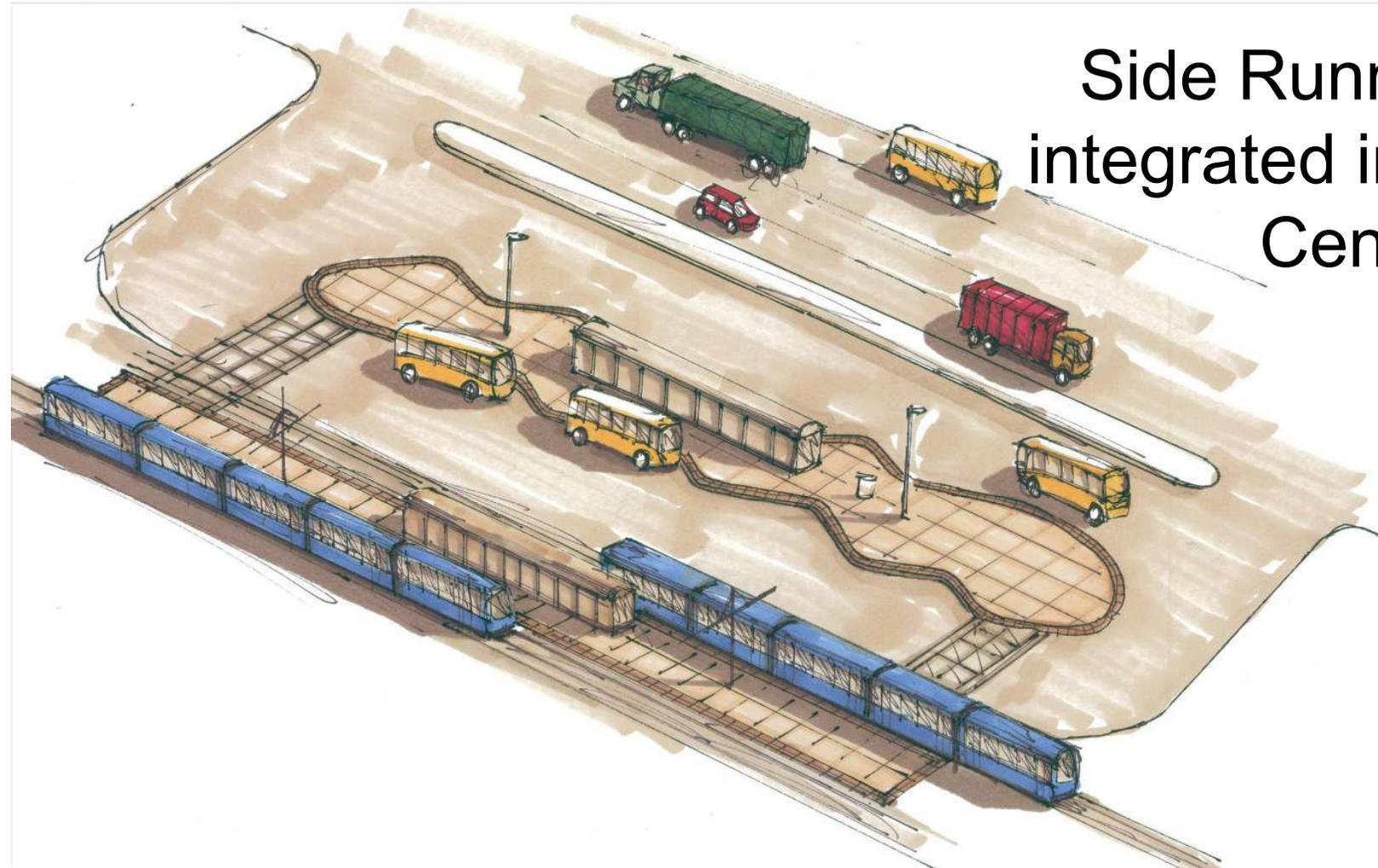
Elevated LRT with Elevated Platform



Station Configuration

www.edmonton.ca/LRTPProjects

Side Running LRT
integrated into Transit
Centre



Overview Station Alternatives

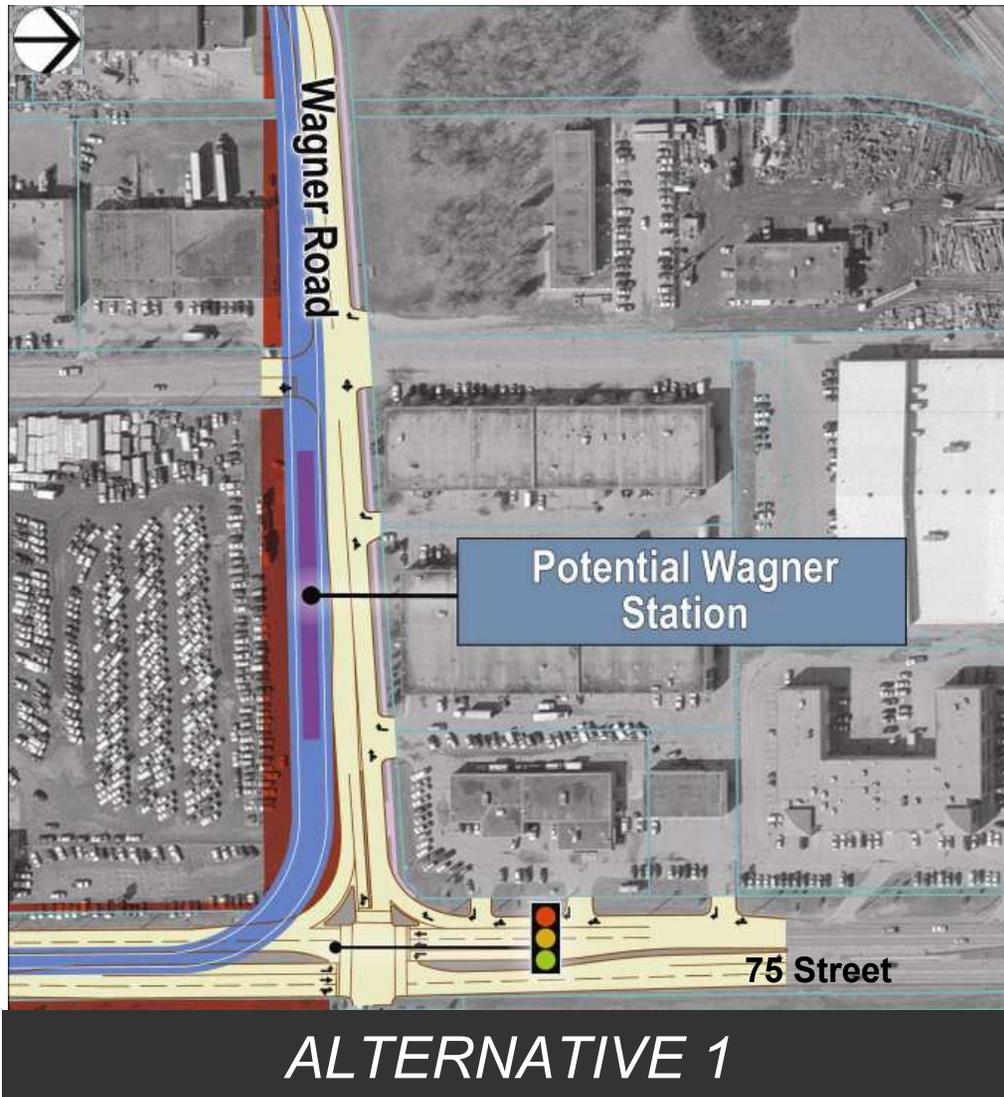
www.edmonton.ca/LRTPProjects

- Overview of station alternatives at:
 - Wagner Station
 - Whitemud Station
 - Millbourne Station
 - Grey Nuns Station



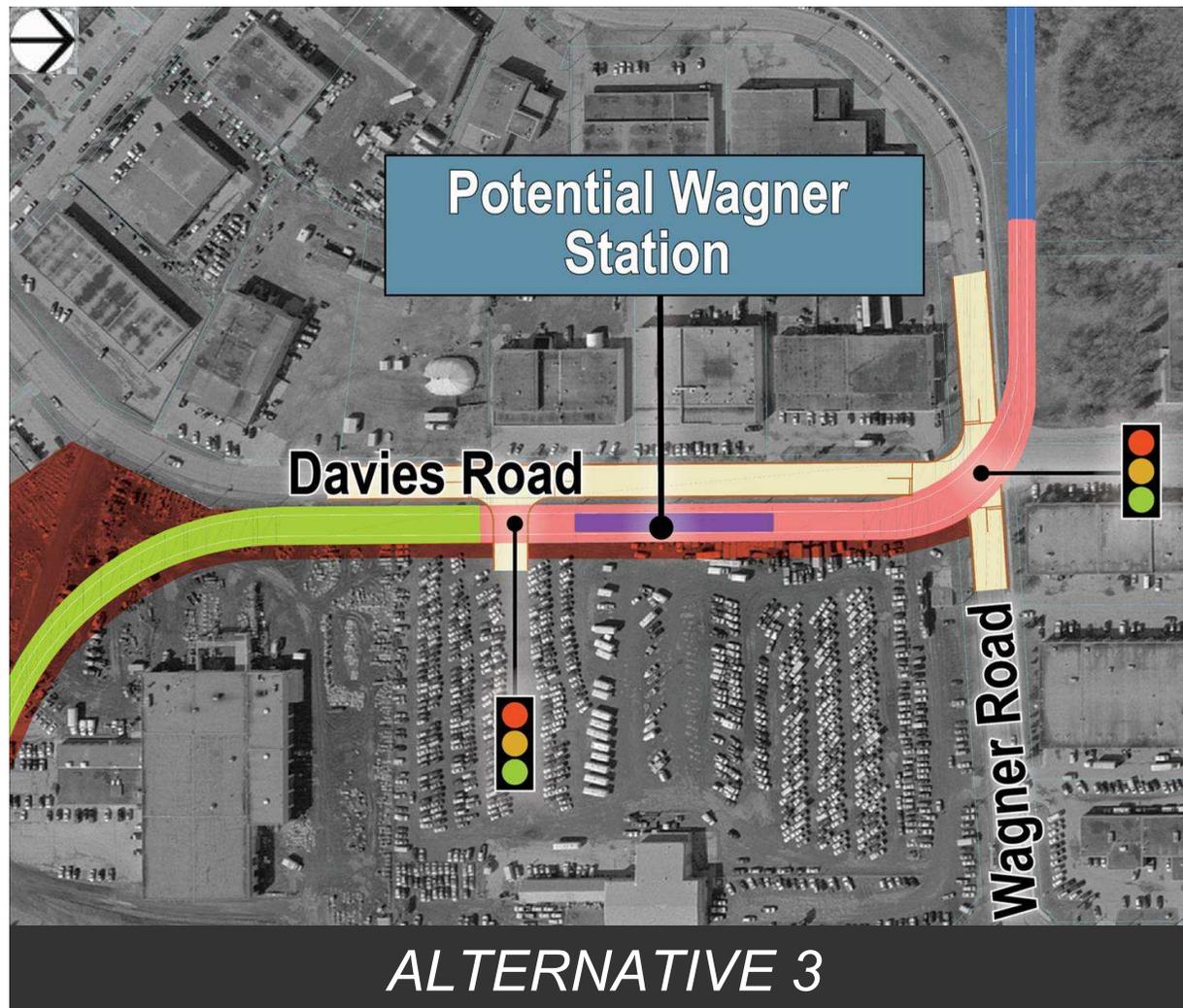
Wagner Station

www.edmonton.ca/LRTPProjects



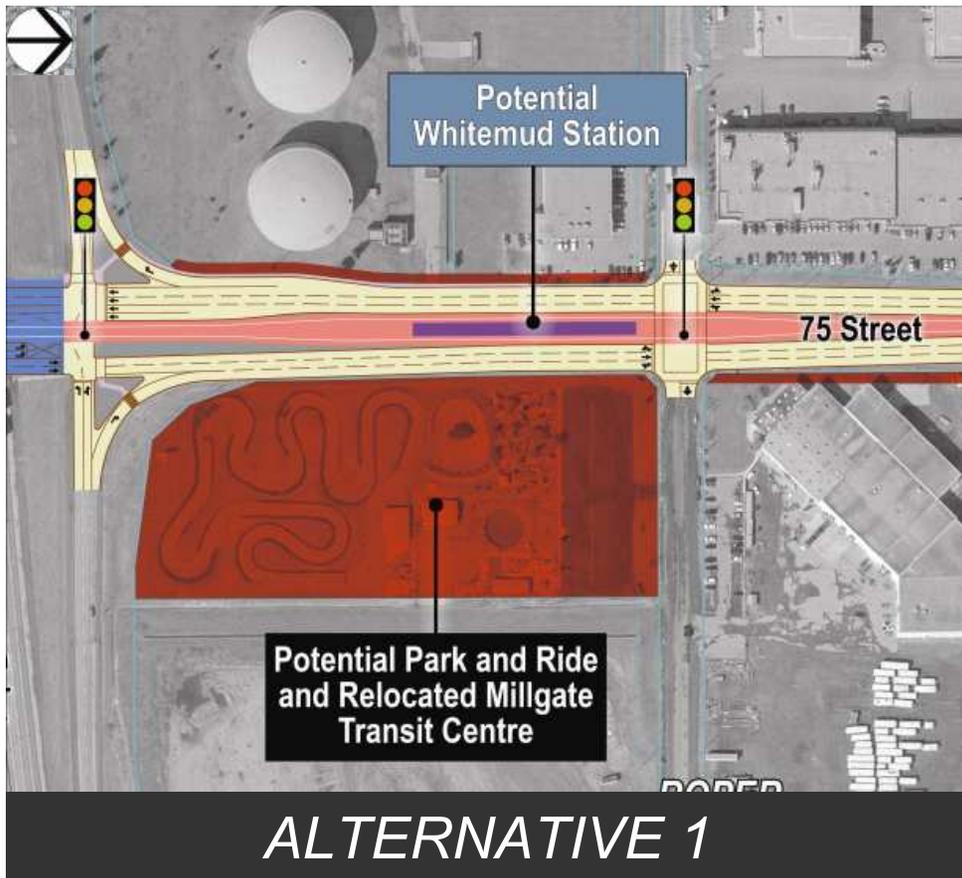
Wagner Station

www.edmonton.ca/LRTProjects



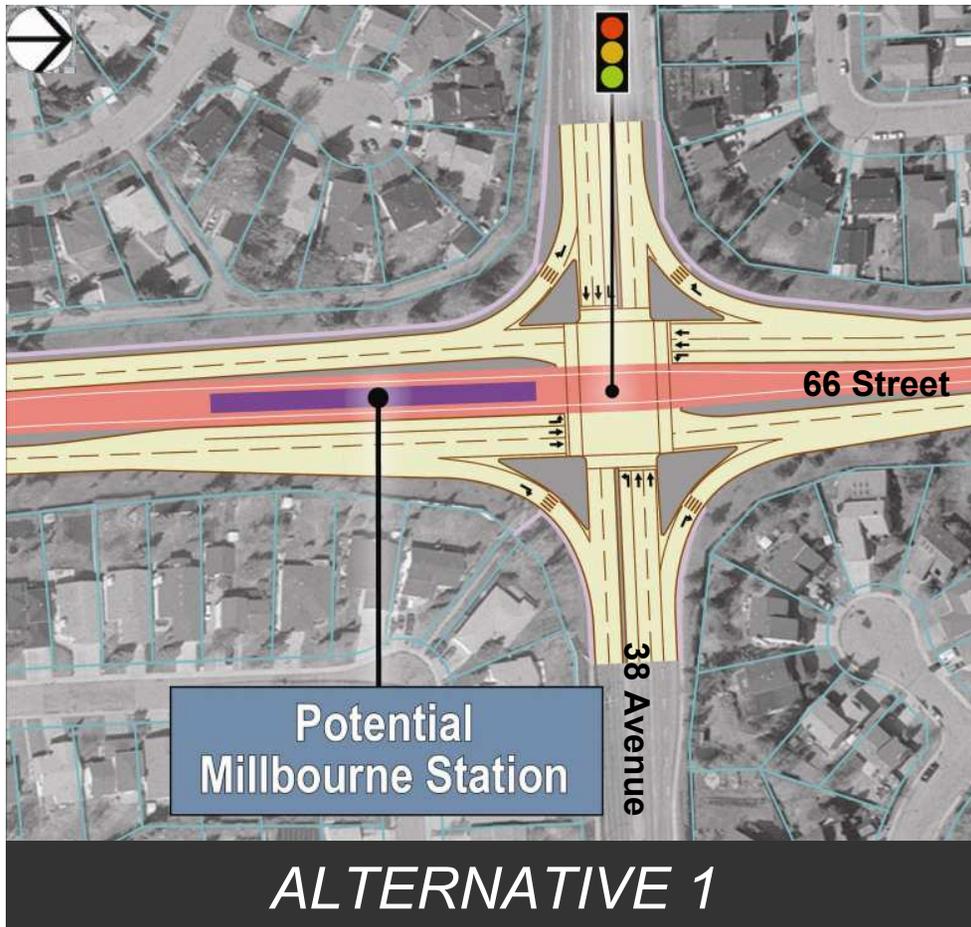
Whitemud Station

www.edmonton.ca/LRTPProjects



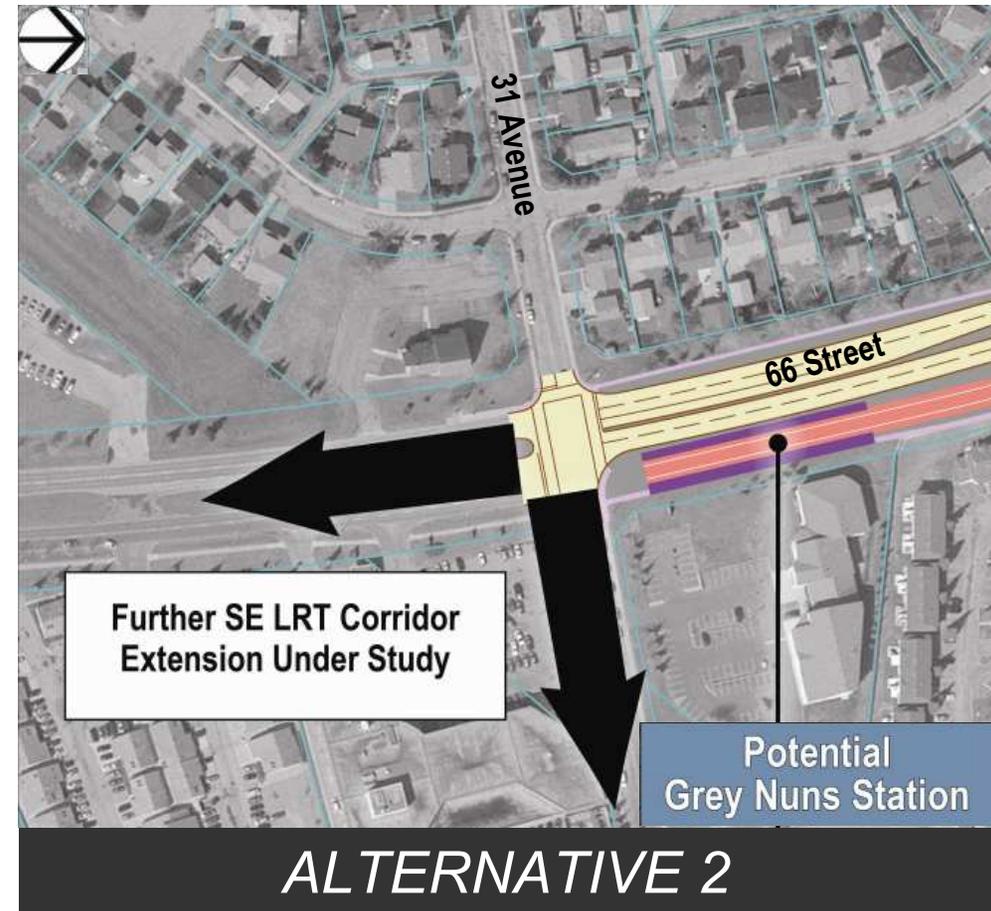
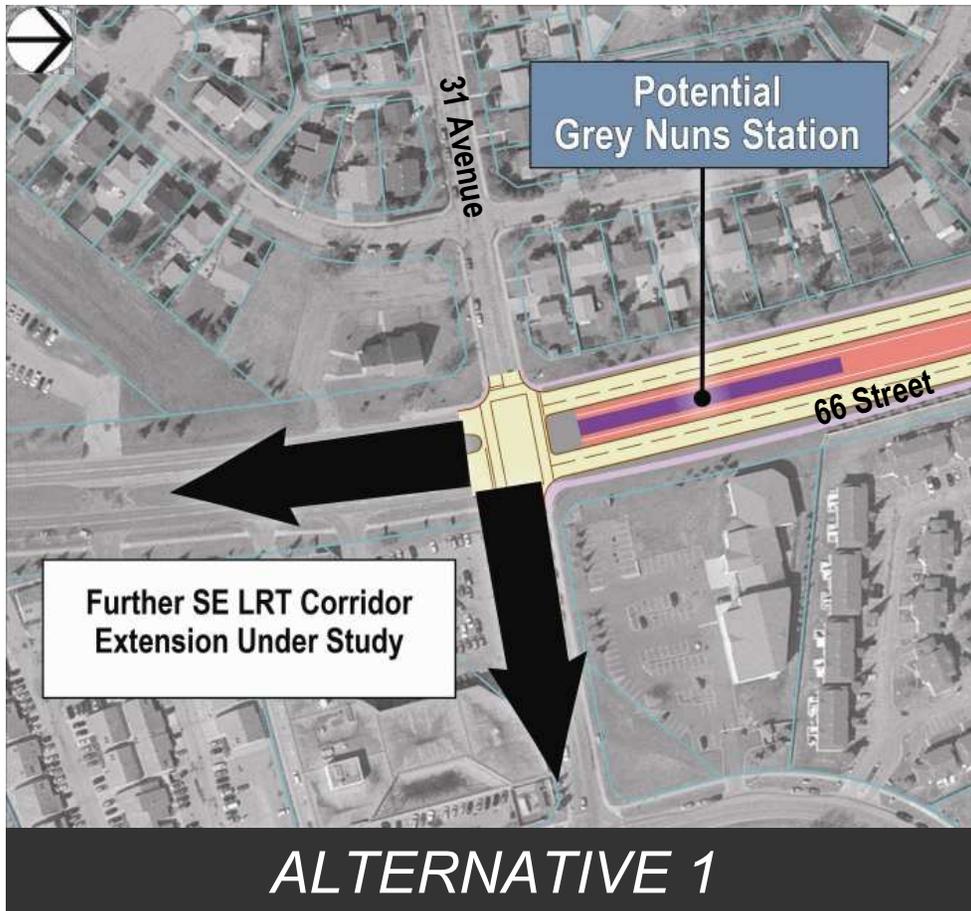
Millbourne Station

www.edmonton.ca/LRTPProjects



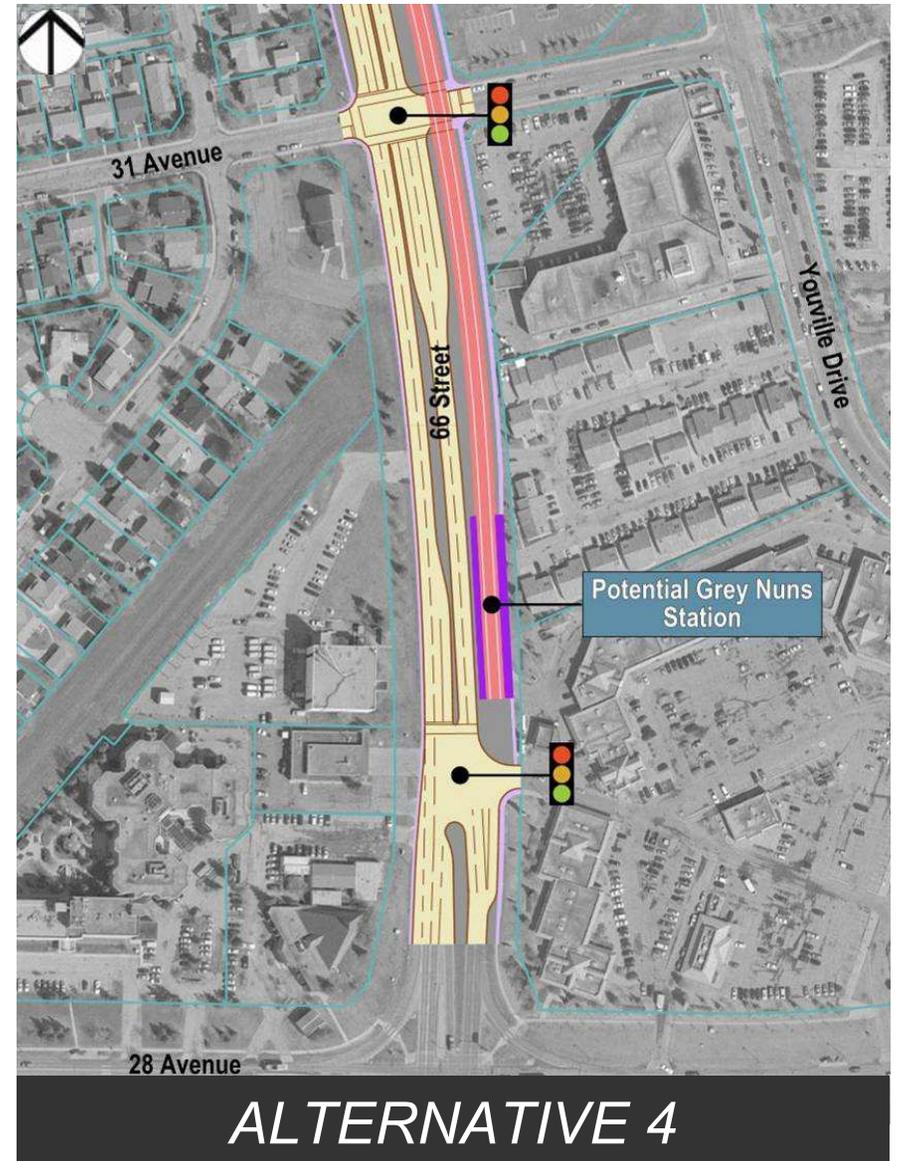
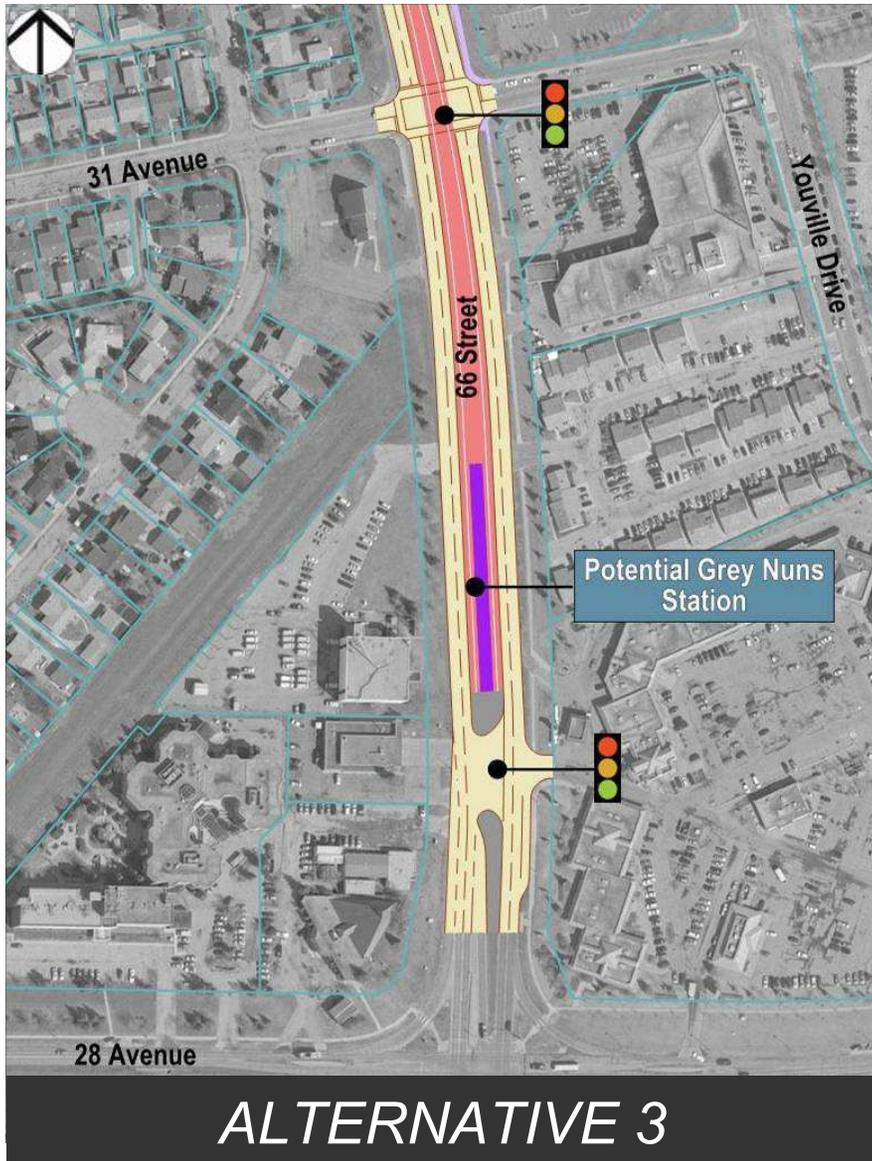
Grey Nuns Station

www.edmonton.ca/LRTPProjects



Grey Nuns Station

www.edmonton.ca/LRTProjects





Stations - Workshop Questions

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Comment on the station in your neighbourhood

– How does this station fit into your neighbourhood?

*How does it affect your travel patterns?
(pedestrian, cyclist, or driver)*



Southeast LRT
Wagner to Mill Woods

www.edmonton.ca/LRTProjects

Session #3

**Neighbourhood and
Business Access**



Neighbourhood and Business Access

www.edmonton.ca/LRTProjects

Comment on your chosen section

- *How do the alternatives affect the way you get around and in/out of your neighbourhood and access businesses?*

Neighbourhood and Business Access

www.edmonton.ca/LRTProjects

Basic Principles of Neighbourhood Access:

- Different roads serve different purposes
- LRT will change direct access to roads within its corridor
- Traffic signals will be located on major roads to facilitate LRT movement



Neighbourhood and Business Access

www.edmonton.ca/LRTProjects

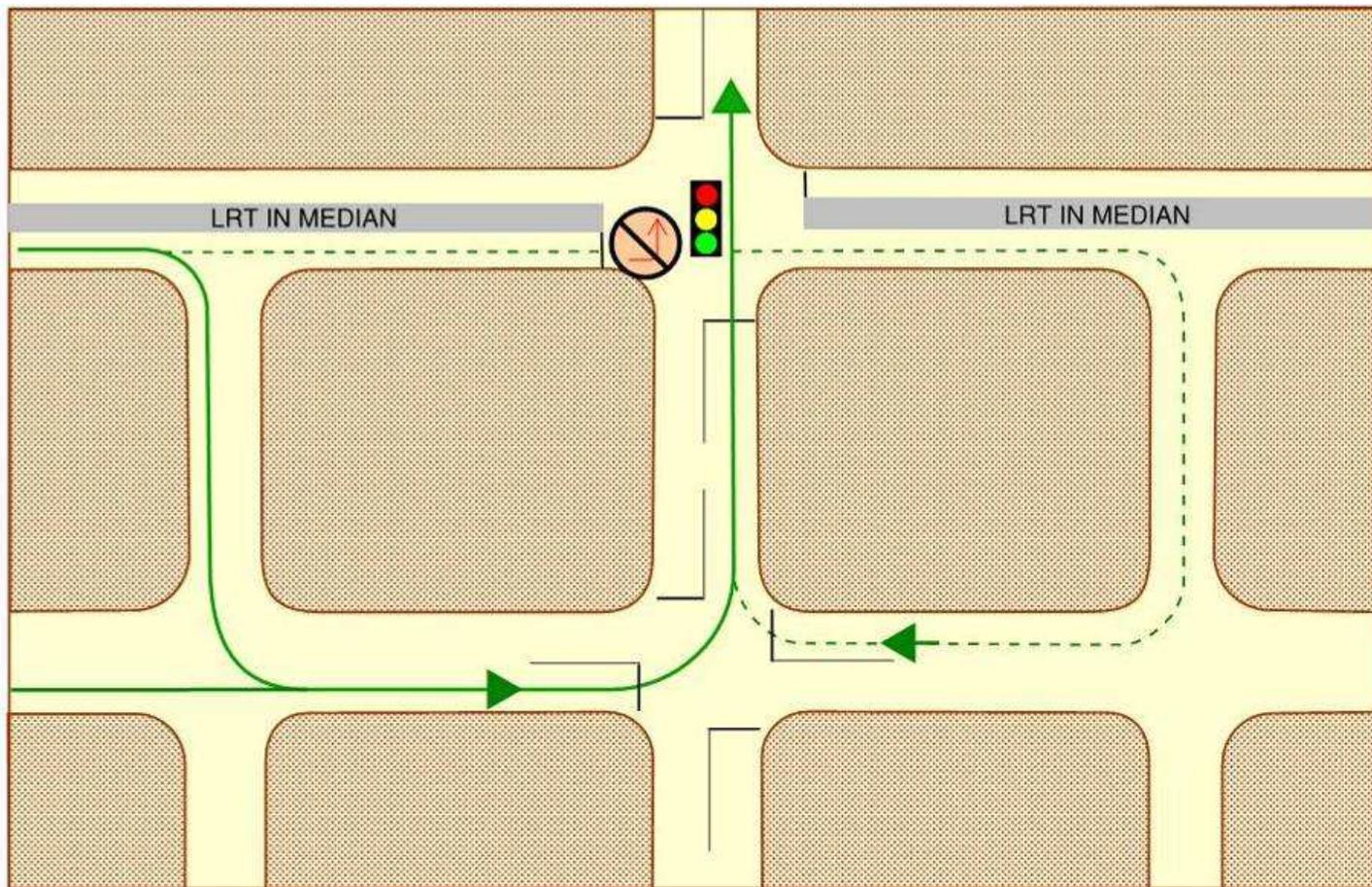
Basic Principles of Neighbourhood Access:

- Turns across LRT tracks will be at signalized intersections
- Not ALL signalized intersections will allow left hand turns
- A supporting street and circulation system will be provided



Neighbourhood and Business Access

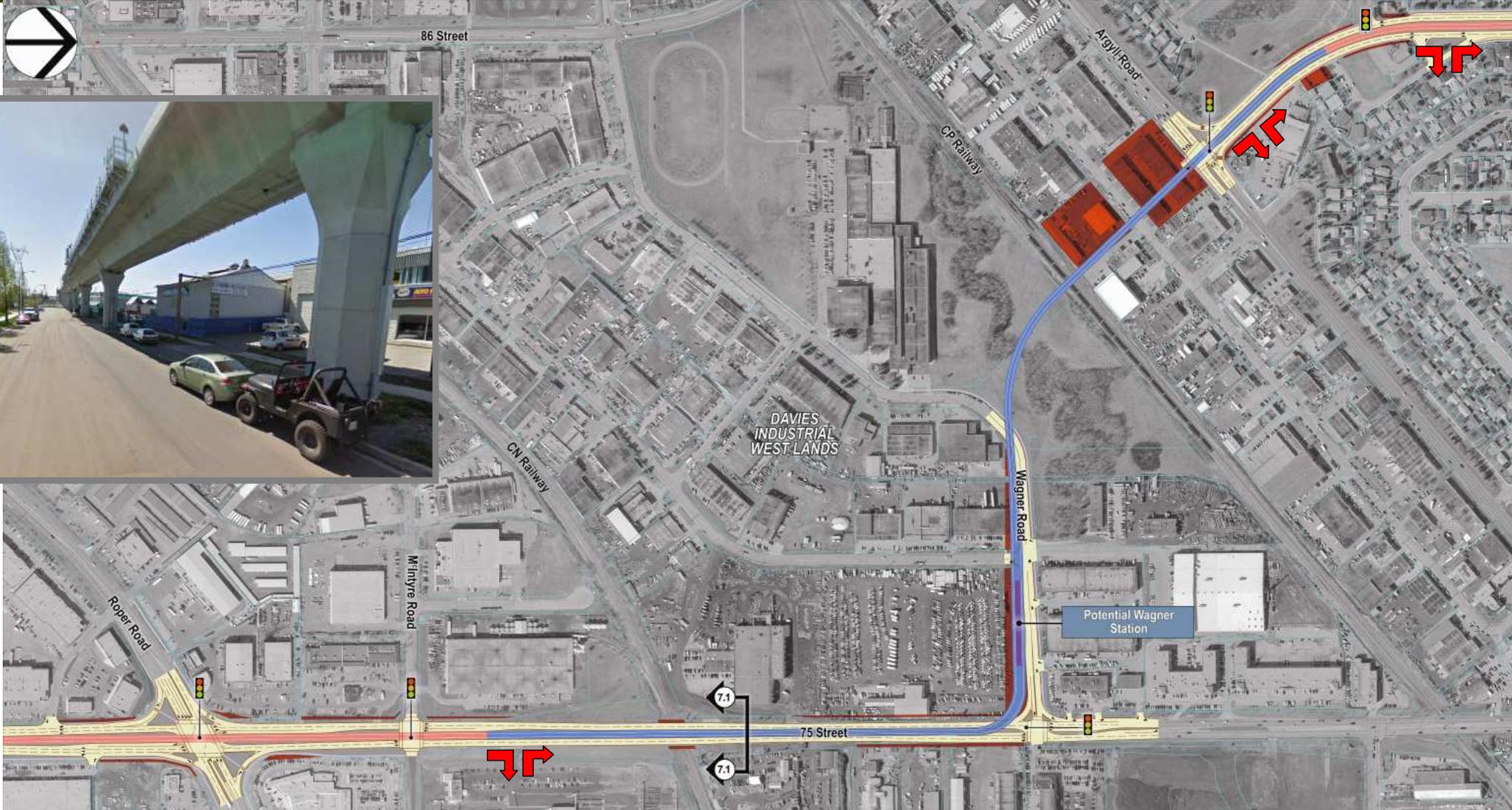
www.edmonton.ca/LRTProjects



- Existing left turn movement at intersection removed
- Future jug-handle movements provided

Neighbourhood and Business Access - Segment A

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ALTERNATIVE 1 – Centre Running LRT on 75 Street

Neighbourhood and Business Access - Segment A

www.edmonton.ca/LRTPProjects



ALTERNATIVE 2 – Side Running LRT on 75 Street – Davies Road

Neighbourhood and Business Access - Segment A

www.edmonton.ca/LRTPProjects



Neighbourhood and Business Access - Segment B

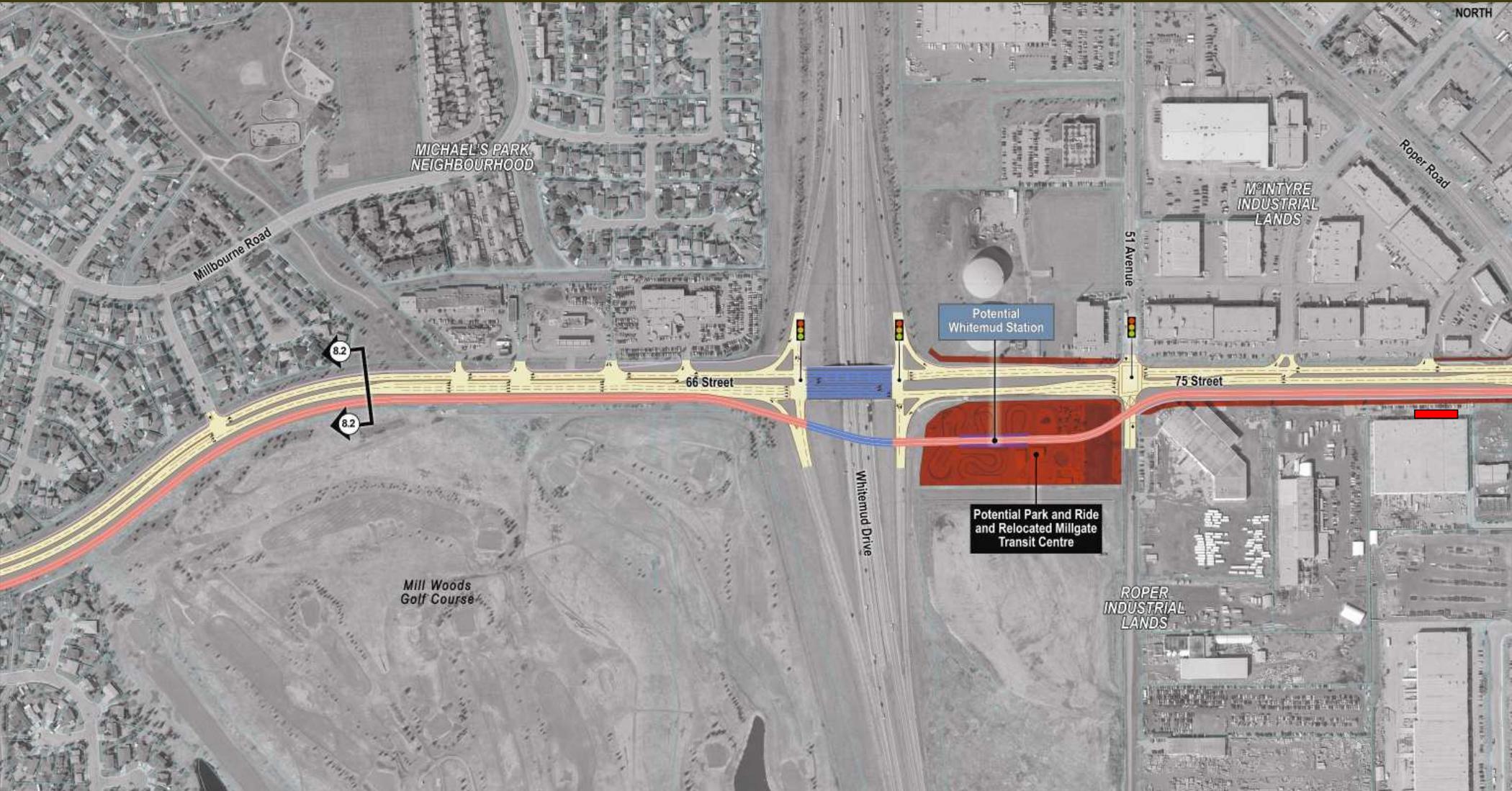
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ALTERNATIVE 1 – Centre Running LRT on 75 Street

Neighbourhood and Business Access - Segment B

www.edmonton.ca/LRTProjects



ALTERNATIVE 2 – Side Running LRT on 75 Street

Neighbourhood and Business Access - Segment C

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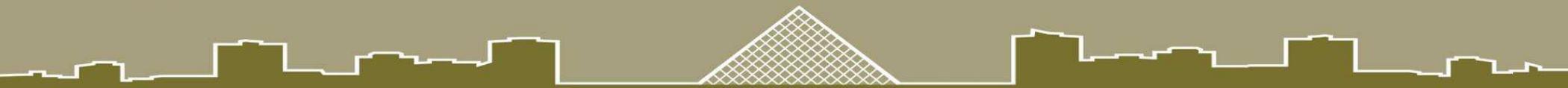
ALTERNATIVE 1 – Centre Running LRT on 66 Street

Neighbourhood and Business Access - Segment C

www.edmonton.ca/LRTProjects



ALTERNATIVE 2 – Side Running LRT on 66 Street



Neighbourhood and Business Access – Workshop Questions

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Comment on your chosen section

- How do the alternatives affect the way you get around and in/out of your neighbourhood and access businesses?*



Wrap Up

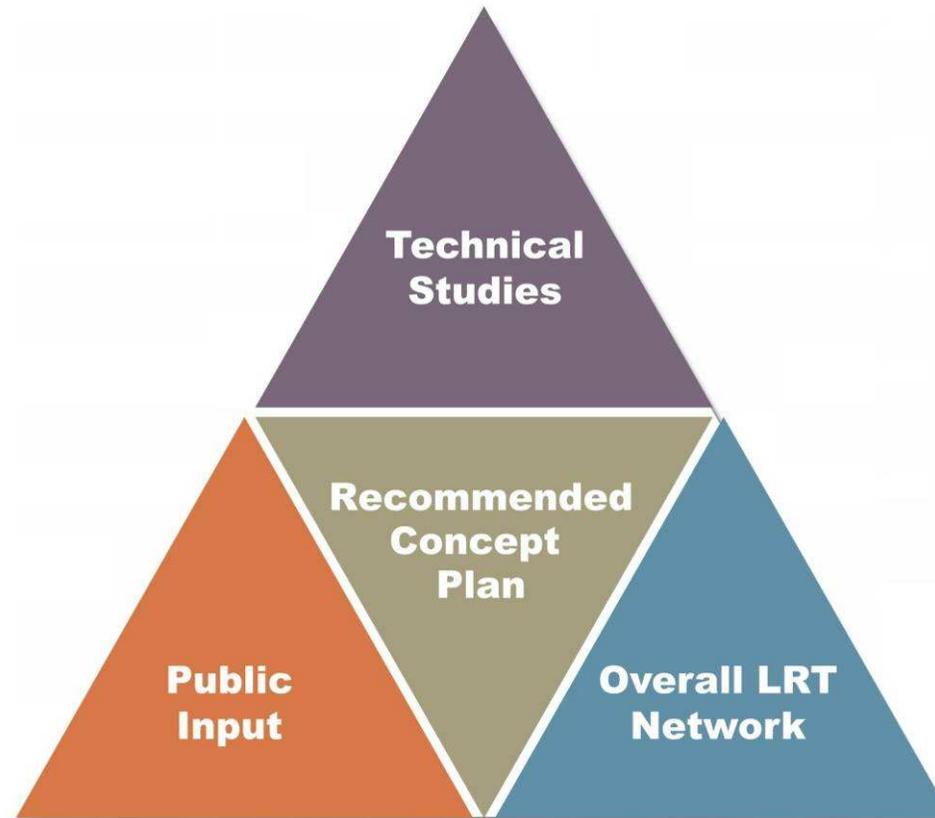
www.edmonton.ca/LRTProjects

- Fill out Questionnaires
- Attend other workshops
- Presentation available on website

www.edmonton.ca/LRTProjects

Wrap Up

www.edmonton.ca/LRTProjects



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www.edmonton.ca/LRTProjects

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Next Steps

www.edmonton.ca/LRTPProjects

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Alignment Definition

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Open Houses



Information Sessions



Public Hearing



*On going Consultation
with Key Stakeholders*





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