



Southeast LRT Information Session

www.edmonton.ca/LRTProjects

Welcome

Downtown to Argyll

November 24, 2010



Tonight's Meeting Purpose

www.edmonton.ca/LRTPProjects

- Present Recommended Concept Plan
 - alignment
 - station locations
 - neighborhood access
 - noise study results
- Build on what we heard in September
- Recommendation is going forward for Committee of Council (TPW) consideration at non-statutory public hearing on December 8



Proposed Agenda

www.edmonton.ca/LRTProjects

- Welcome and Introductions
- Project Background
- Overall Southeast LRT Recommended Alignment
- Segment walkthrough of alignment, stations, and neighborhood access
- Noise Study Results
- Question and Answer



Southeast LRT Information Session
Downtown to Argyll

www.edmonton.ca/LRTProjects

Project Background

Council Approvals

www.edmonton.ca/LRTProjects

Council Approvals to Date

- LRT Network Plan *(June, 2009)*
- Southeast and West LRT Corridor *(December, 2009)*
- Downtown Corridor *(June, 2010)*

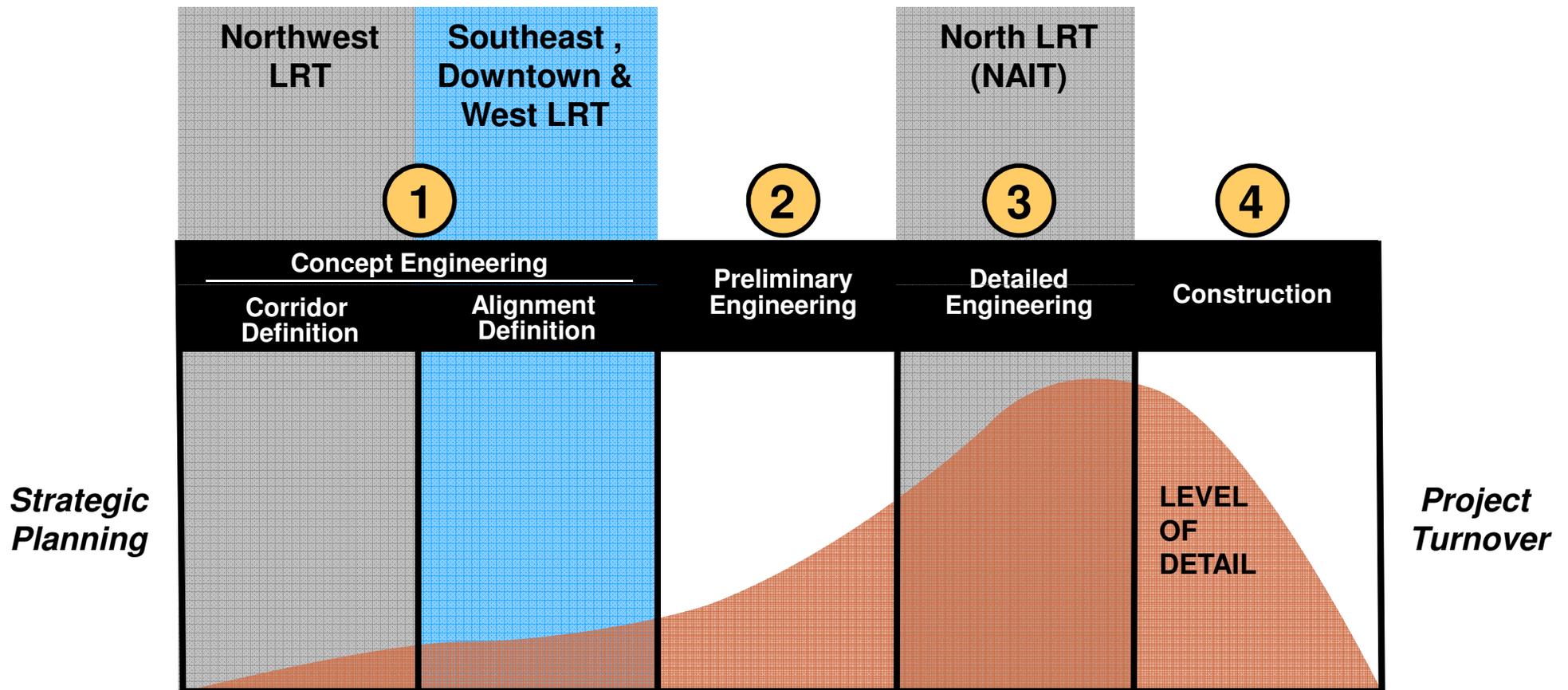


Upcoming Council Considerations

- Concept Plan Review *(December 8, 2010)*
- Council Concept Plan Consideration *(January 19, 2011)*

LRT Development

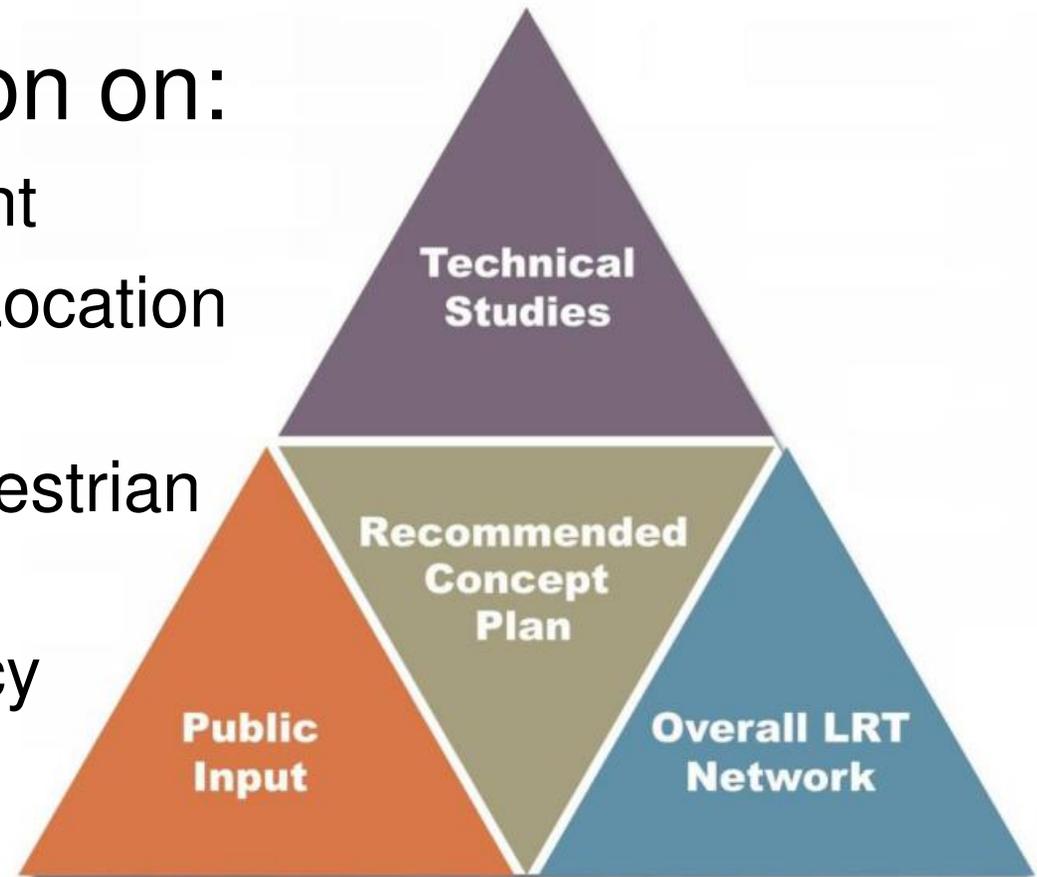
www.edmonton.ca/LRTProjects



Where we are in the process today

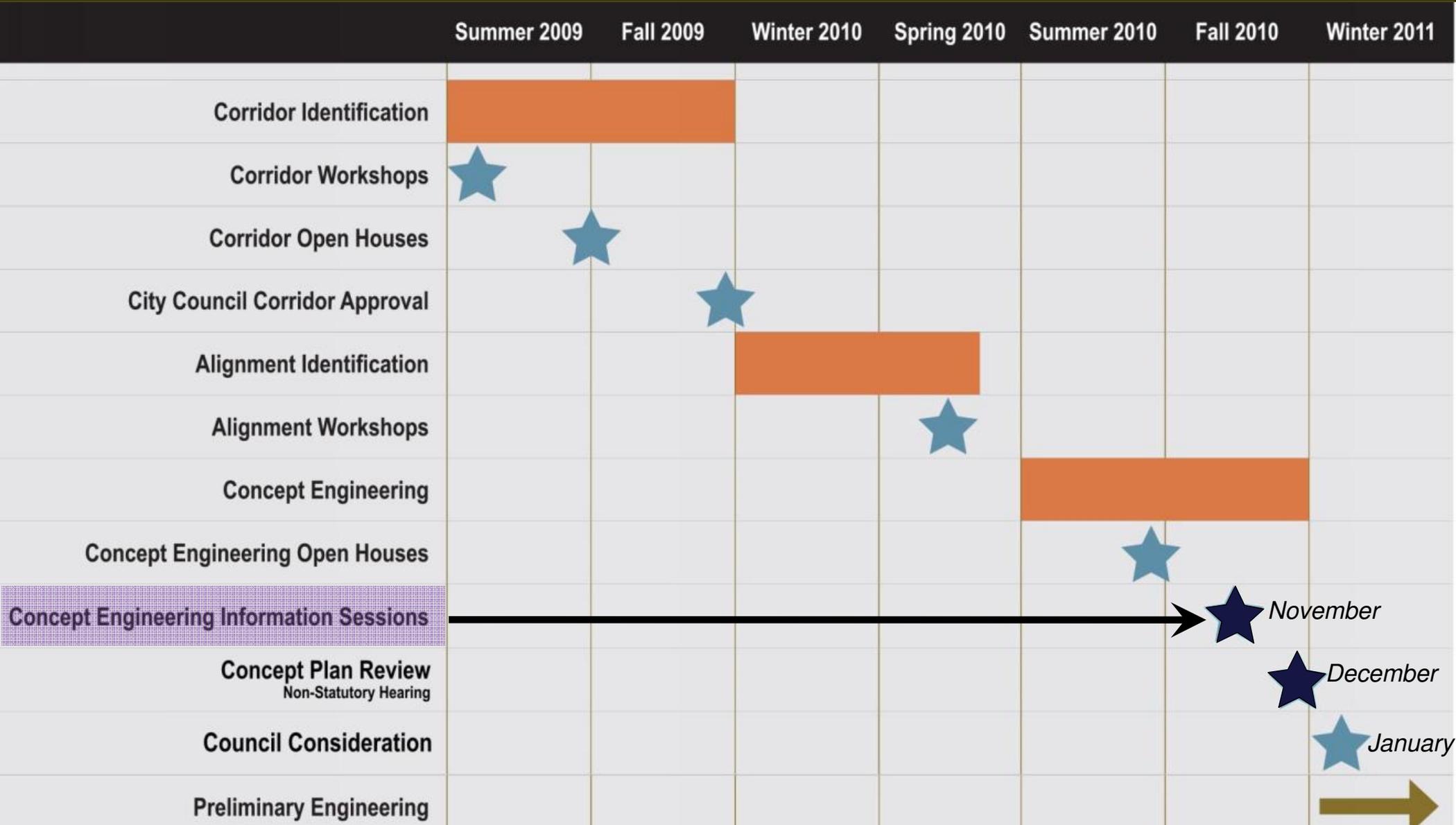
www.edmonton.ca/LRTProjects

- Presenting information on:
 - Recommended Alignment
 - Recommended Station Location and Configuration
 - Neighbourhood and Pedestrian Access
 - Urban Traffic Noise Policy and Noise Study Results



Where We Are Going

www.edmonton.ca/LRTProjects



LRT Network

www.edmonton.ca/LRTProjects



Urban Style LRT

www.edmonton.ca/LRTProjects

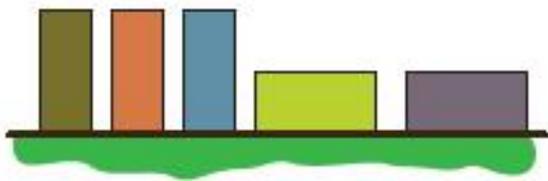


Station Typologies

www.edmonton.ca/LRTProjects



**Mixed Use / Town
Centre Stations**



**Employment Centre
Stations**

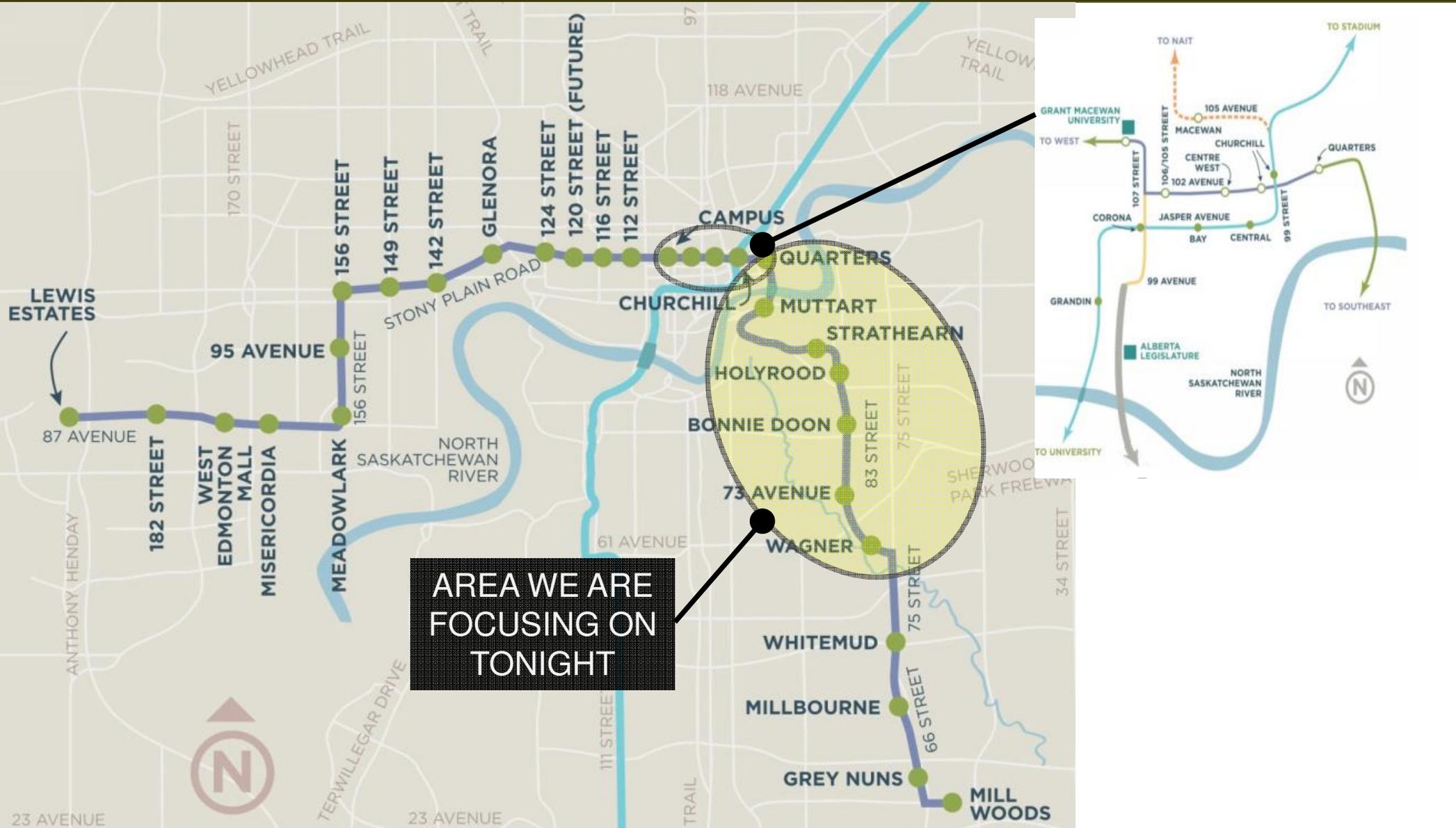


**Residential Centre
Stations**



Southeast and West LRT Corridors

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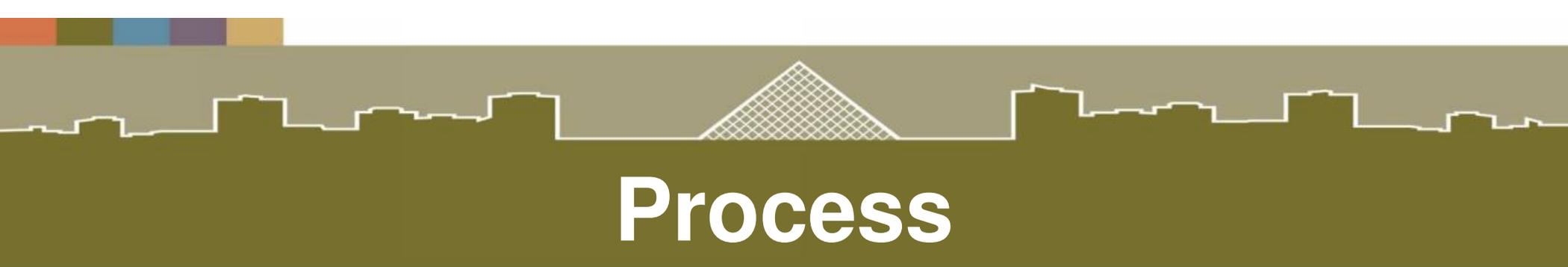


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Public Involvement Process & Update



Process

www.edmonton.ca/LRTPProjects

Review and Evaluate Options

- *Community/neighbourhood-based workshops*
- *Stakeholder meetings and presentations*

May/June 2010

Present Draft Concept Plan for Feedback

- *Open Houses with questionnaire*

September 2010

Info Sessions with Recommended Plan

November 2010

Public Hearing/Council

December 2010

What We Heard

www.edmonton.ca/LRTPProjects

Competing Themes:

ensure easy
access into
neighborhoods



reducing travel
lanes

station location



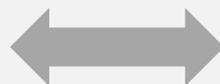
intersection
operations

pedestrian
access across
the roadways



vehicle travel
times

neighborhood
access

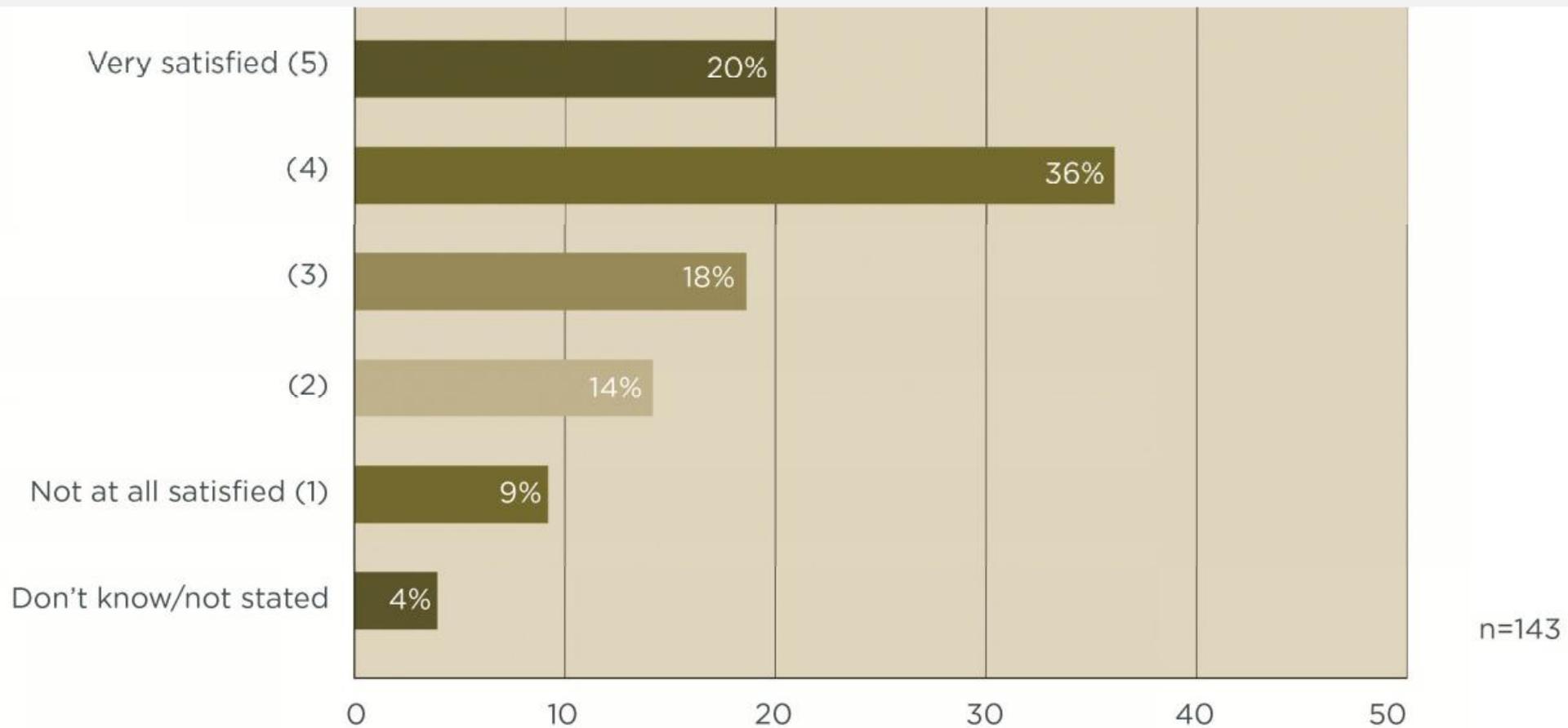


neighborhood
short-cutting

Concept Plan Satisfaction

www.edmonton.ca/LRTProjects

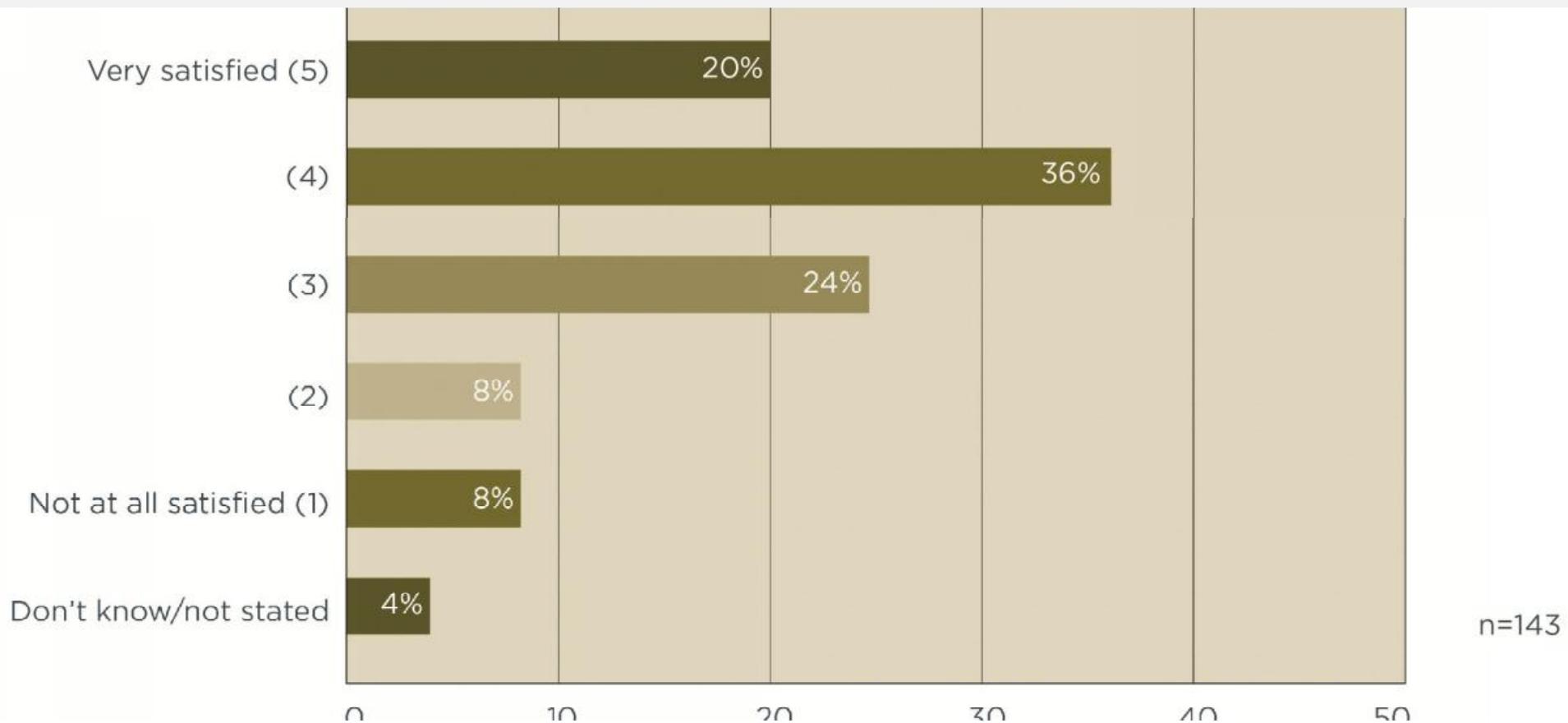
How satisfied were you with the Draft LRT Concept Plan?



LRT Alignment

www.edmonton.ca/LRTProjects

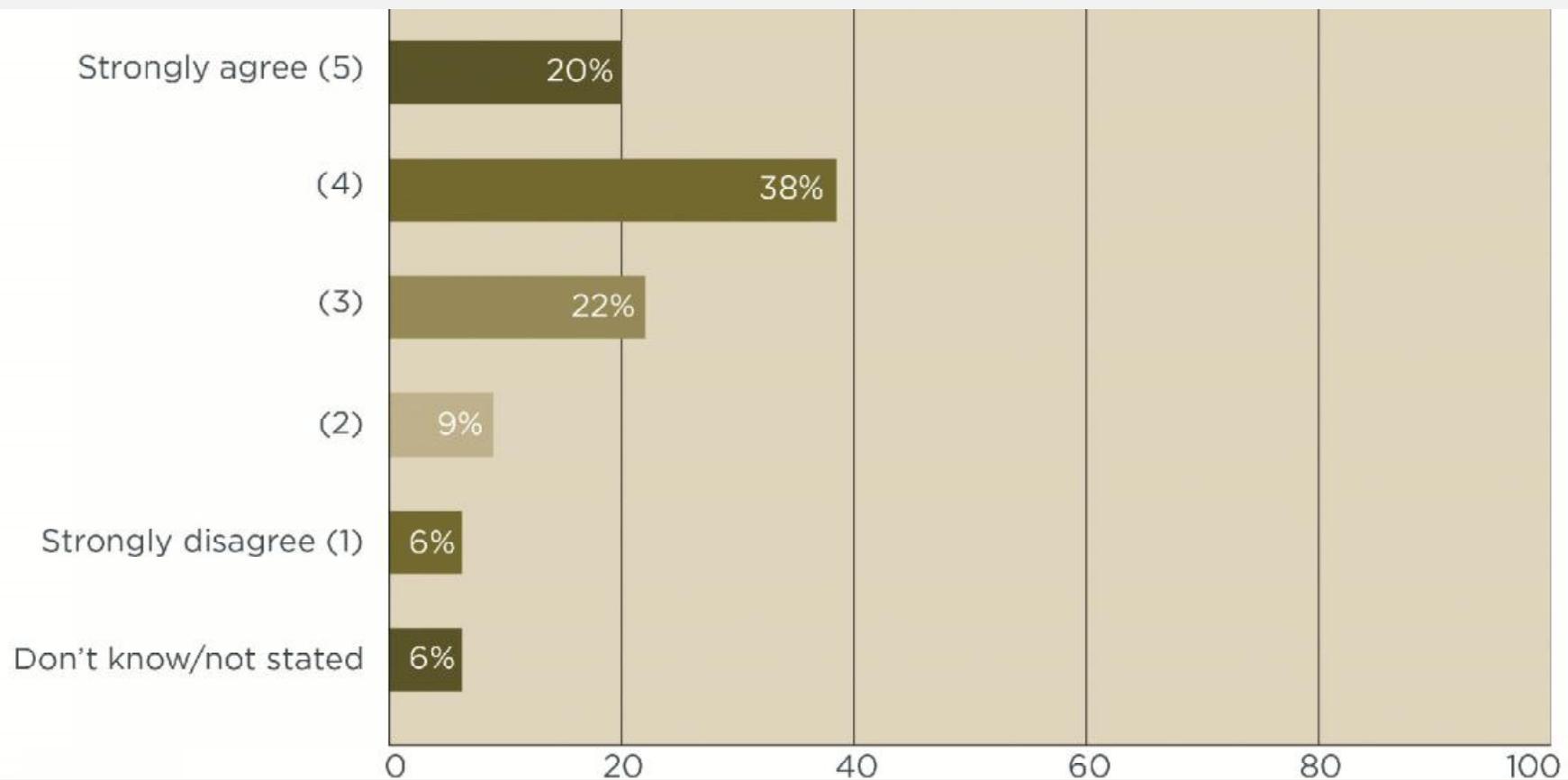
How satisfied are you with the proposed track location within the LRT Corridor?



Station Locations

www.edmonton.ca/LRTProjects

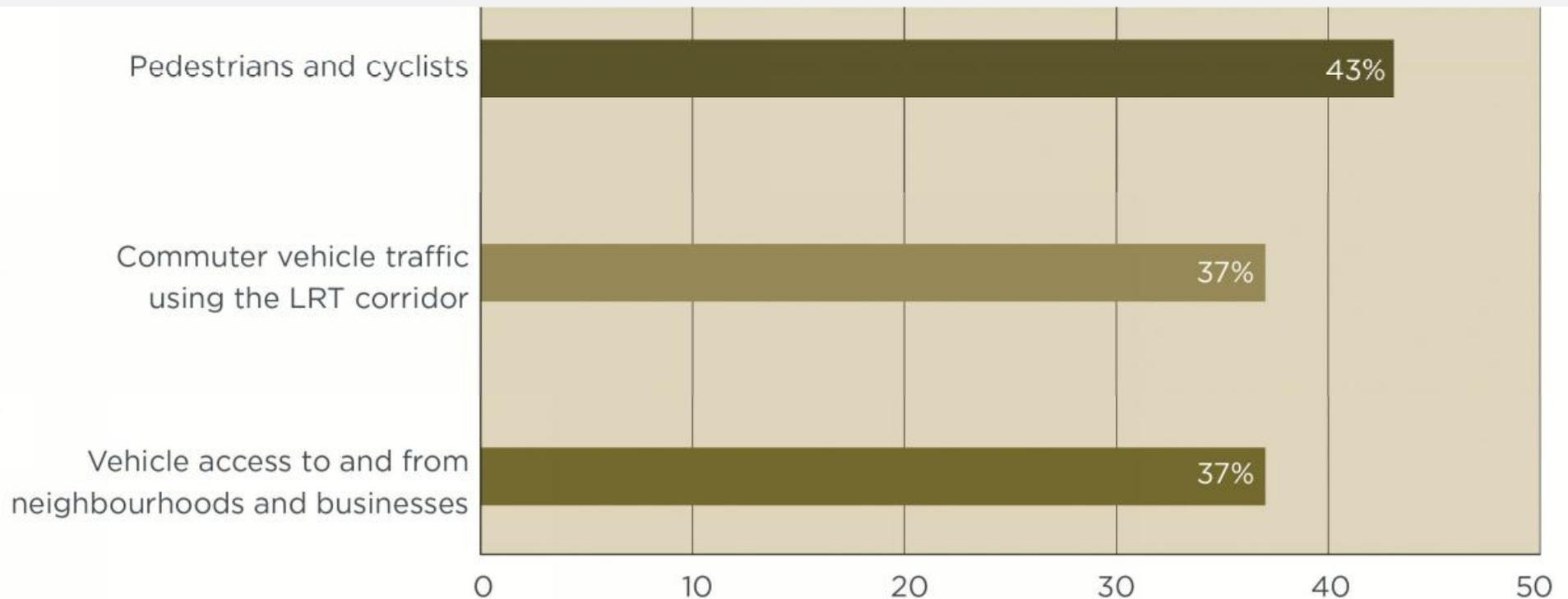
Agreement that the proposed LRT station locations will provide convenient access to important destinations?



Access

www.edmonton.ca/LRTProjects

Satisfaction with efforts to accommodate the following user groups





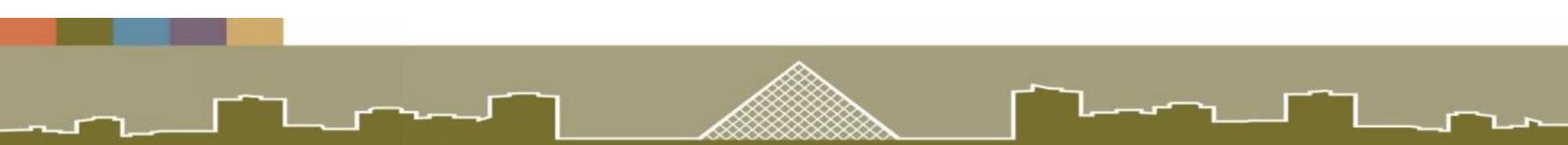
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Recommended Alignment





Highlighted Changes Since September

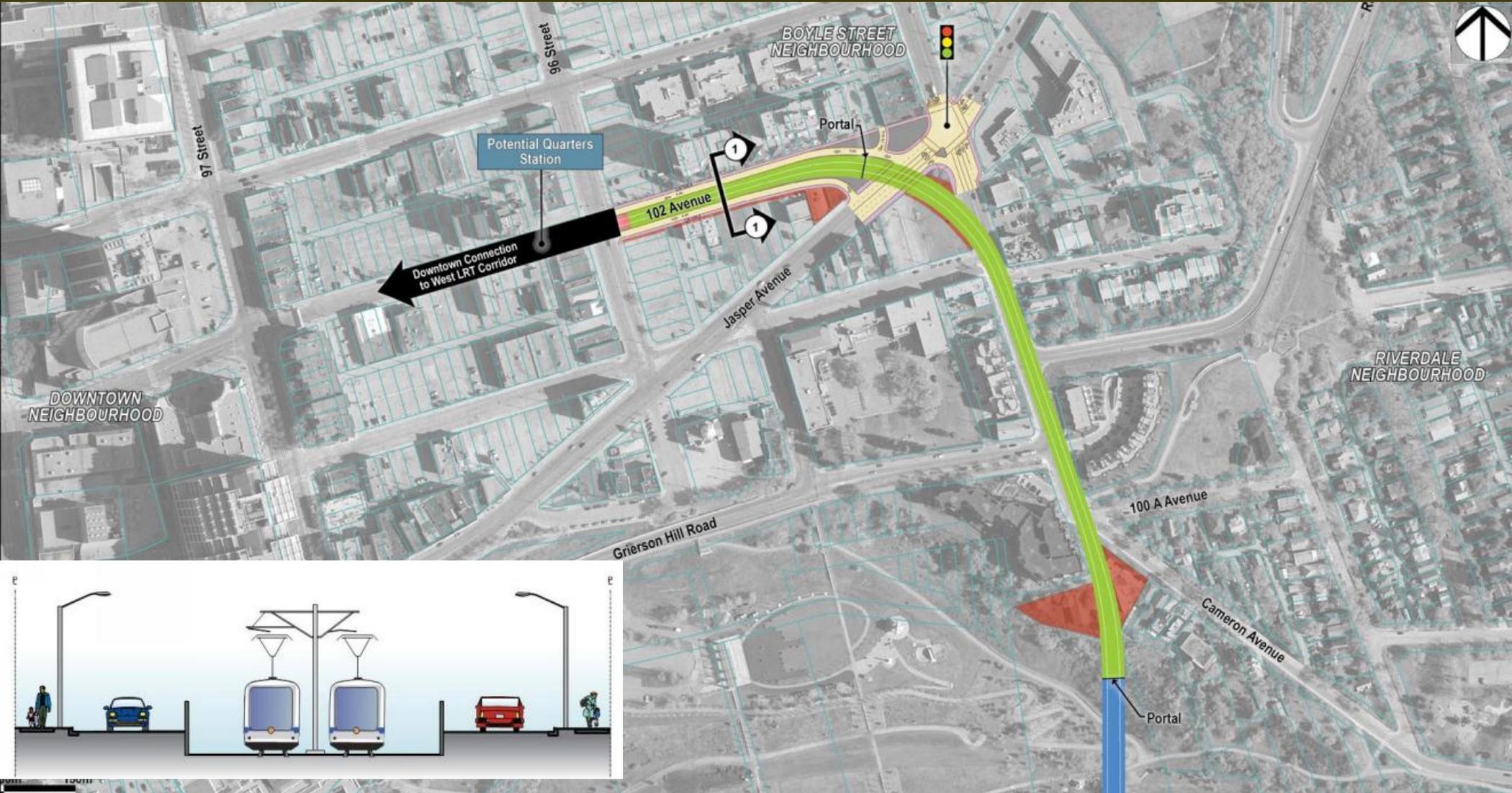
www.edmonton.ca/LRTProjects

- The Jasper Avenue/95 Street intersection reconfigured as 4 legged intersection
- Right in - right out access at 88 Street/95 Avenue intersection
- New connection for the emergency service building to intersection at Bonnie Doon traffic circle
- Reduced property requirements around 69A Avenue
- Wagner Road alignment
- Bus access ramps to future transit centre at Whitemud Drive
- New signalized intersection on 66 Street, north of 28 Avenue
- Mill Woods LRT Station and Transit Centre location

Alignment / Stations – Quarters

www.edmonton.ca/LRTProjects

subject to change



LRT Below Grade

Quarters

www.edmonton.ca/LRTPProjects

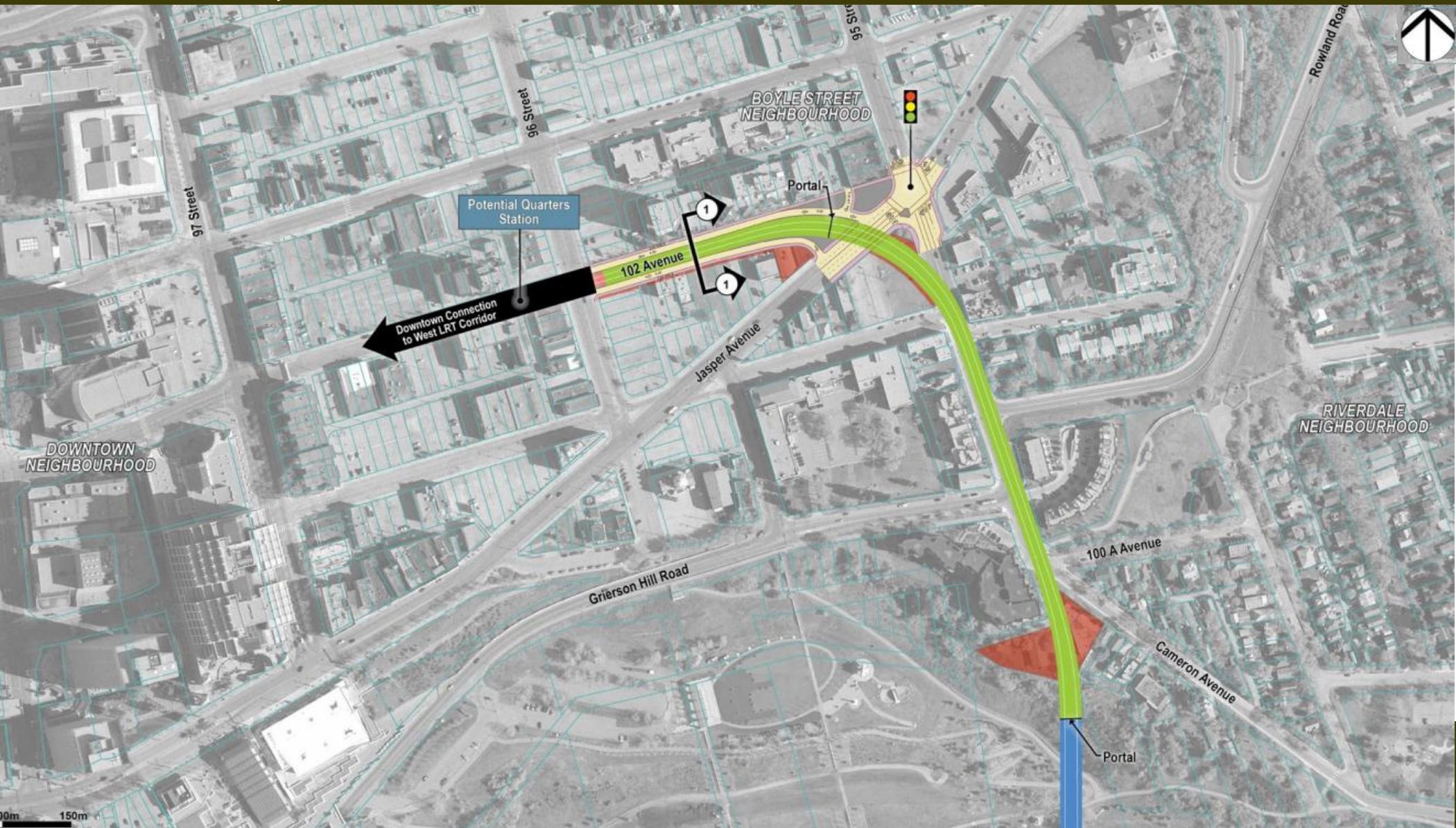
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Access – Quarters

www.edmonton.ca/LRTProjects

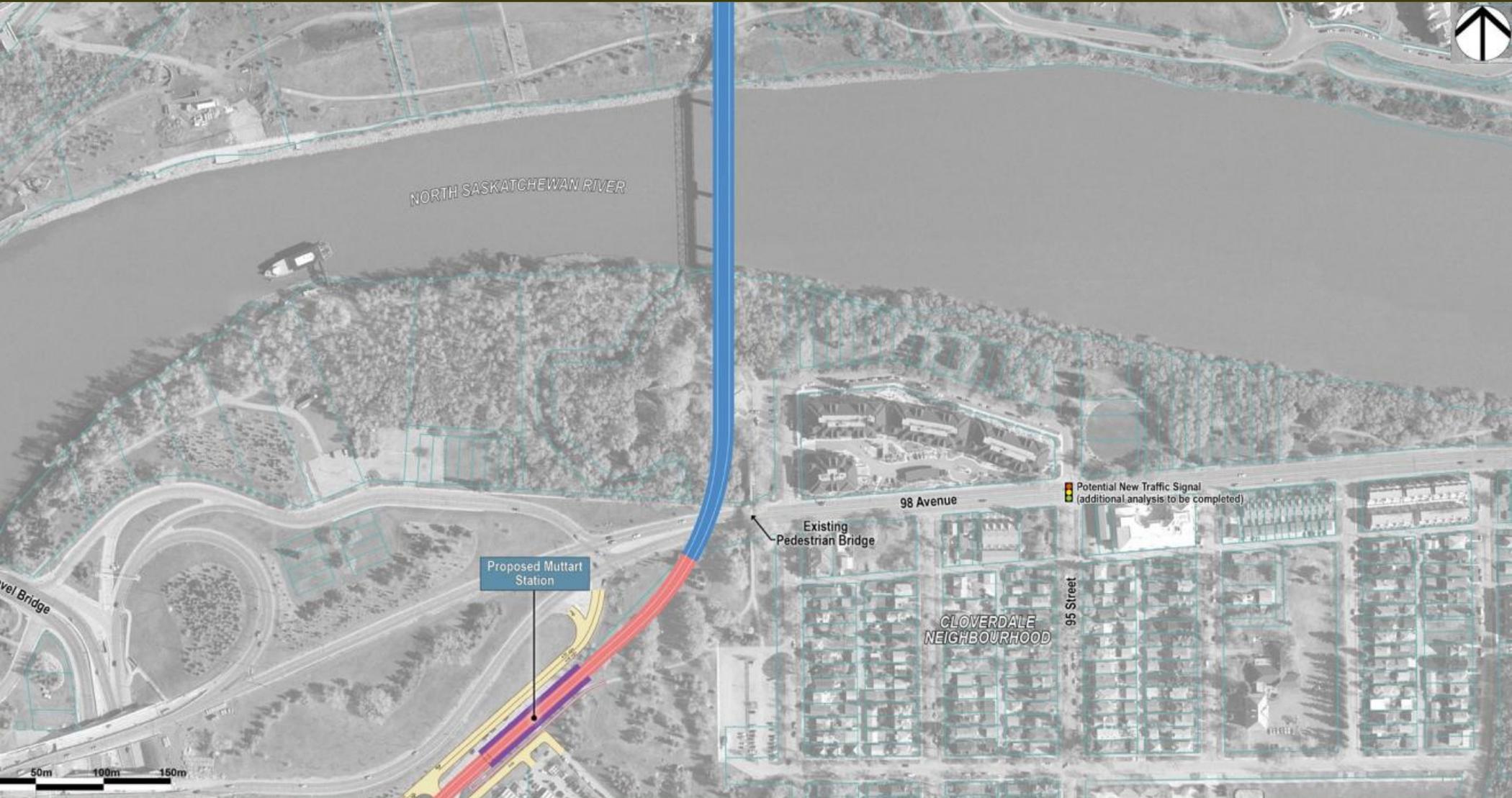
subject to change



Alignment / Stations – North Saskatchewan River

www.edmonton.ca/LRTProjects

subject to change



Elevated LRT

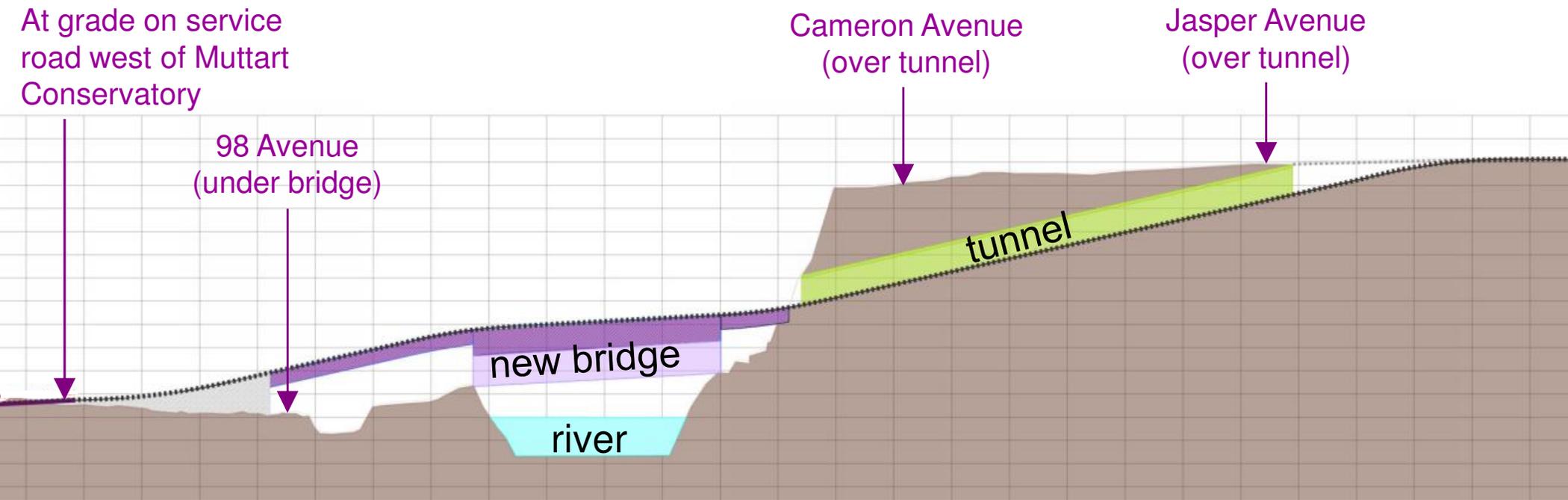
Pedestrian and LRT River Crossing Examples

www.edmonton.ca/LRTProjects



North Saskatchewan River Profile

www.edmonton.ca/LRTPProjects



PROFILE

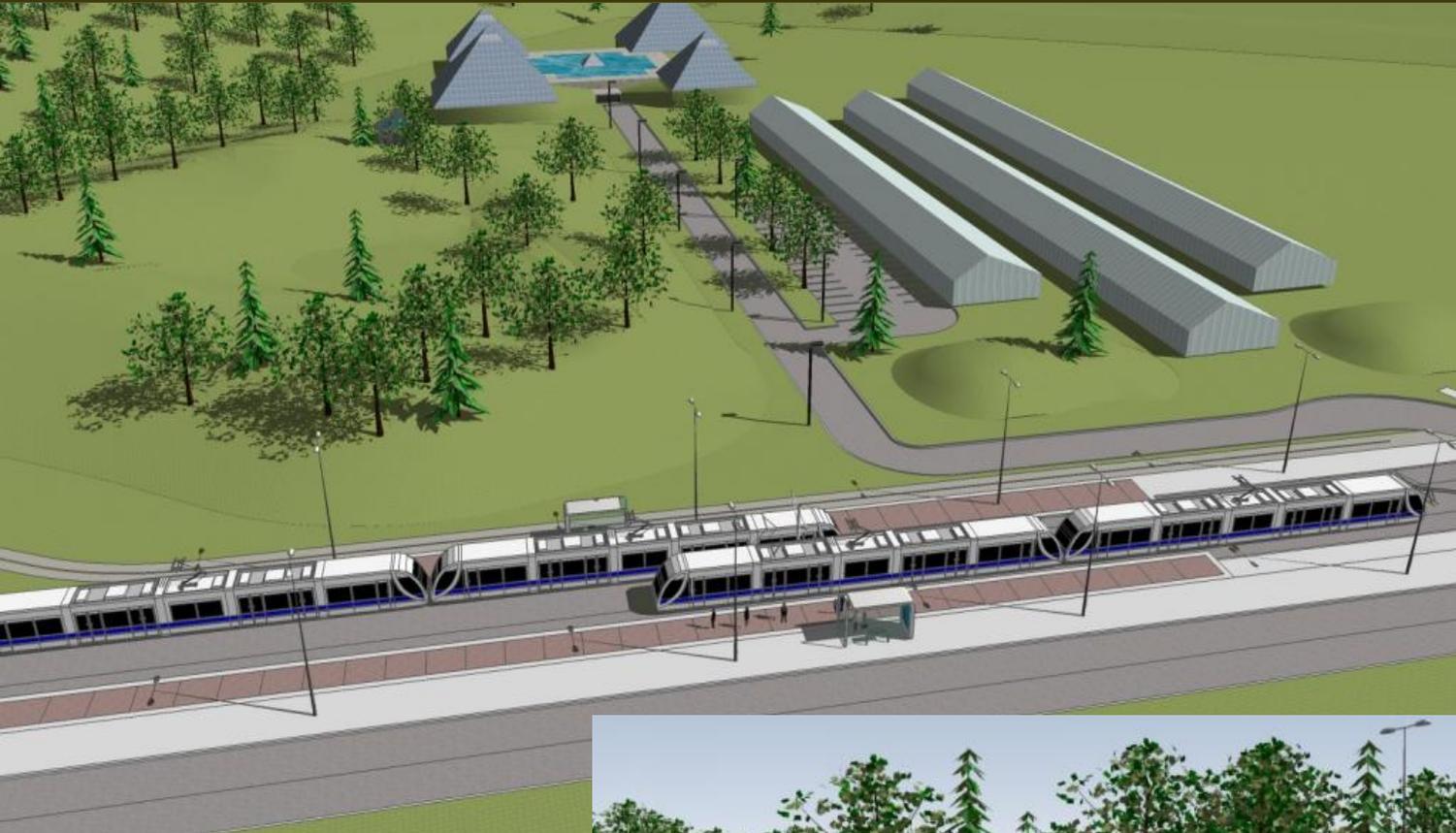
Access – North Saskatchewan River



Cloverdale

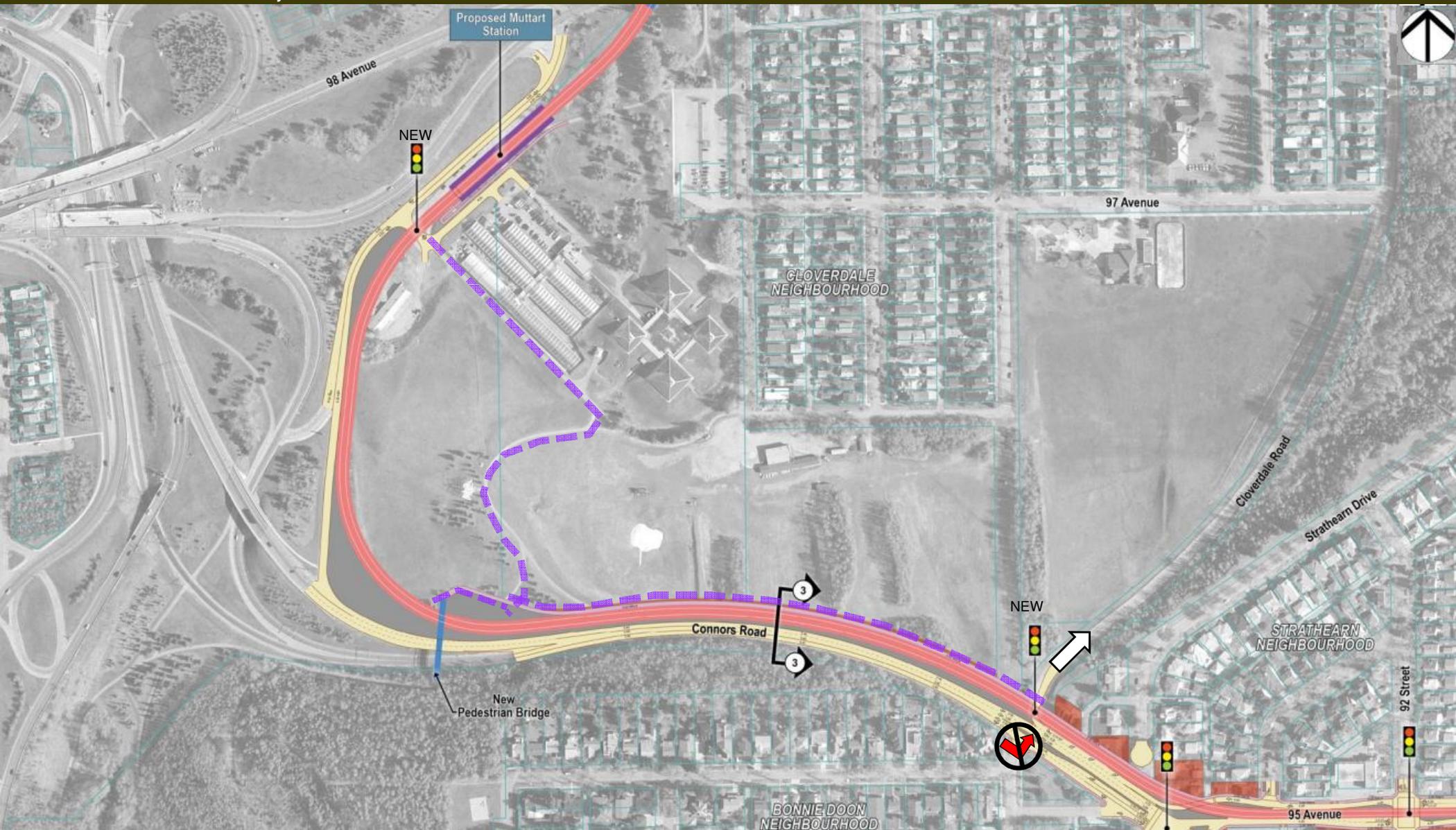
www.edmonton.ca/LRTProjects

subject to change



Access – Cloverdale

www.edmonton.ca/LRTPProjects



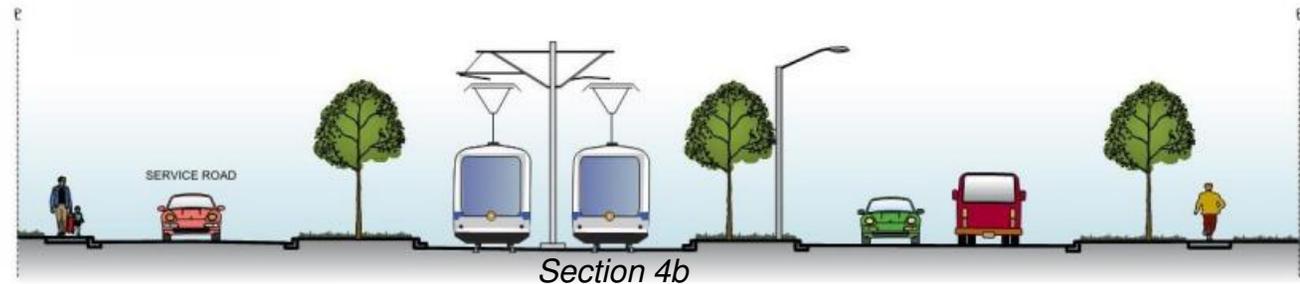
Alignment / Stations – Strathearn

www.edmonton.ca/LRTProjects

subject to change



Centre Running LRT



Strathearn

www.edmonton.ca/LRTPProjects

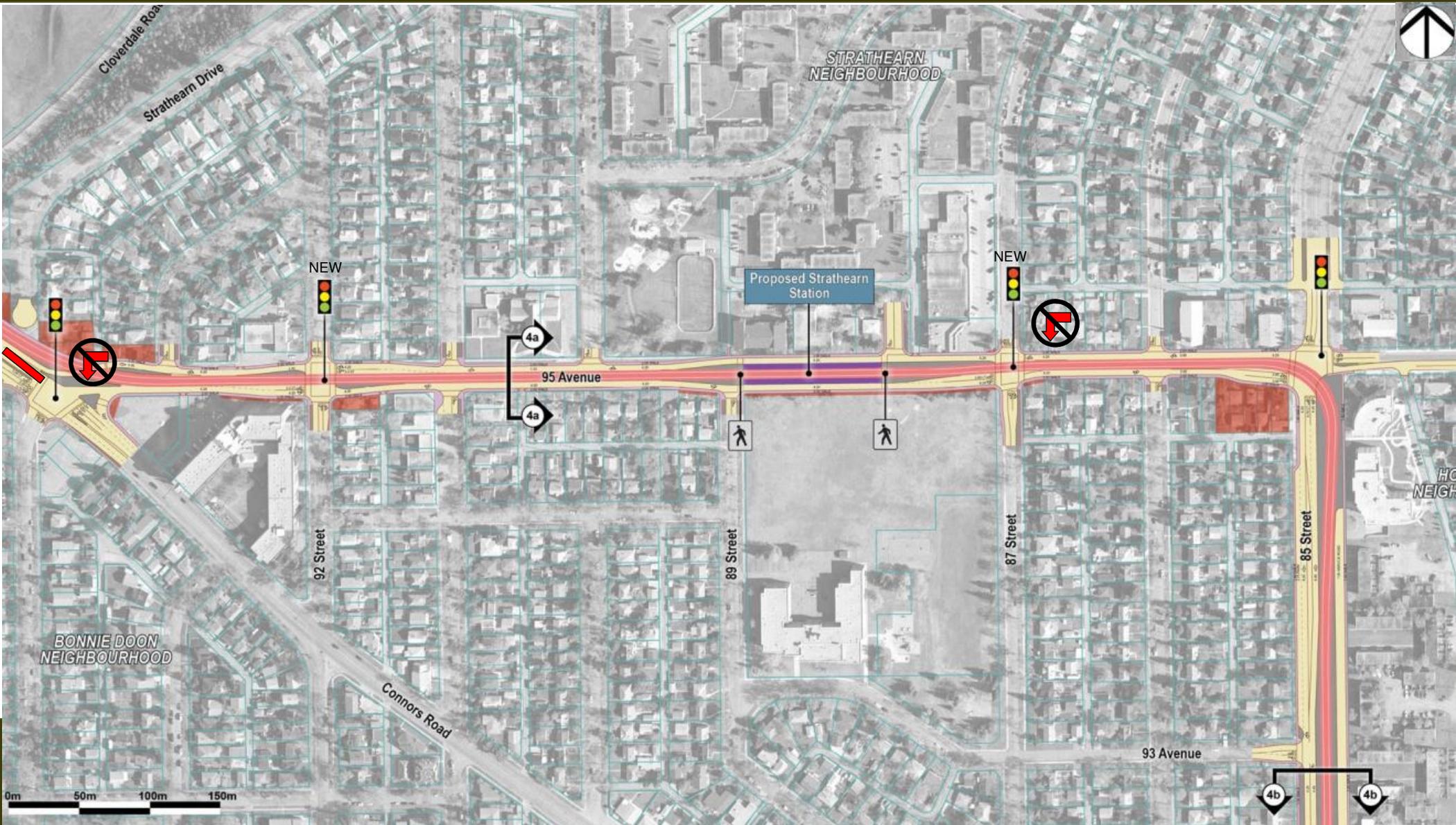
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Access – Strathearn

www.edmonton.ca/LRTPProjects

subject to change



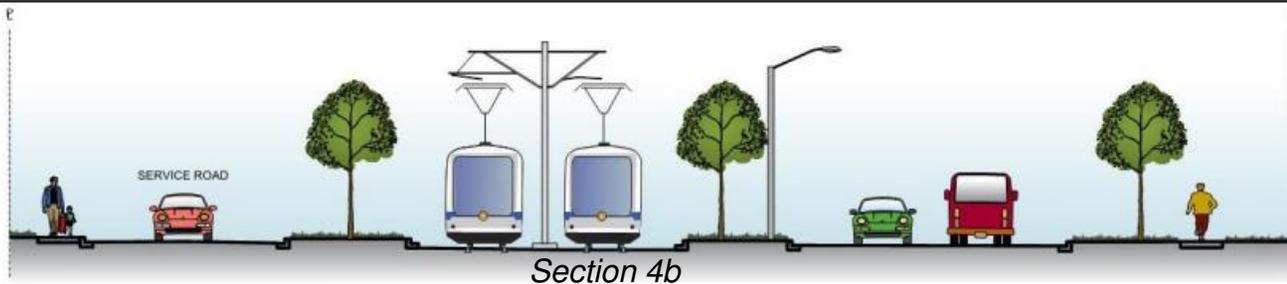
Alignment / Stations – Holyrood

www.edmonton.ca/LRTProjects

subject to change



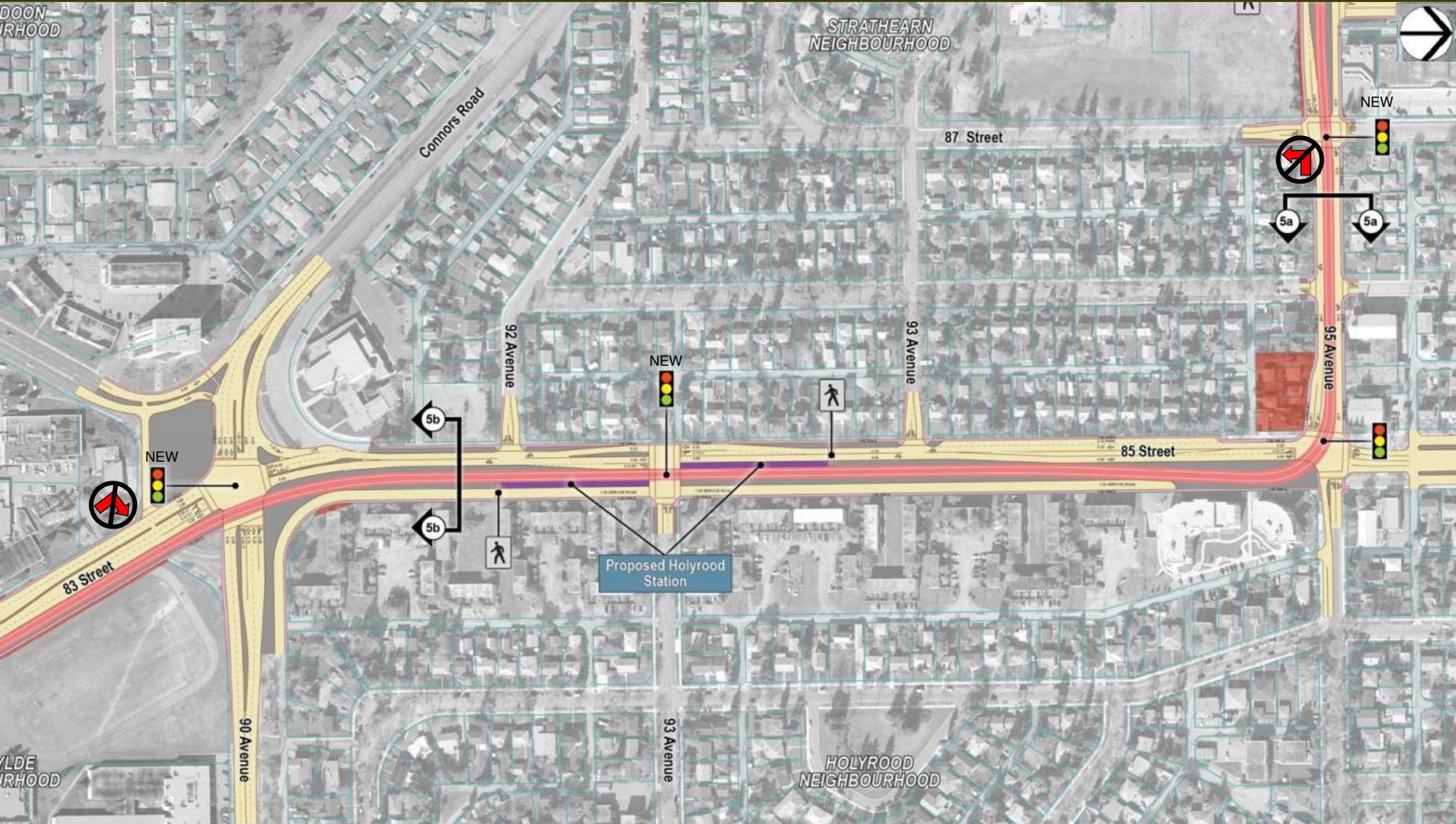
East Running LRT



Access – Holyrood

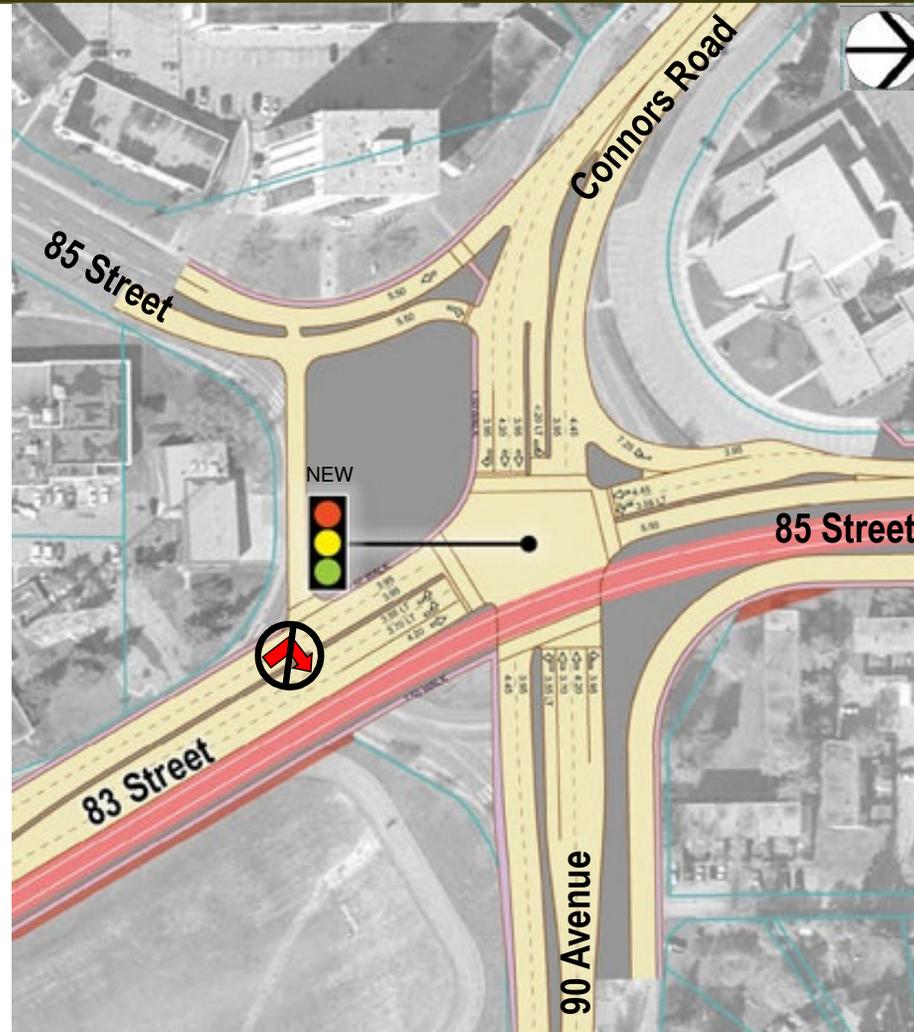
www.edmonton.ca/LRTProjects

subject to change



Access – Bonnie Doon Traffic Circle

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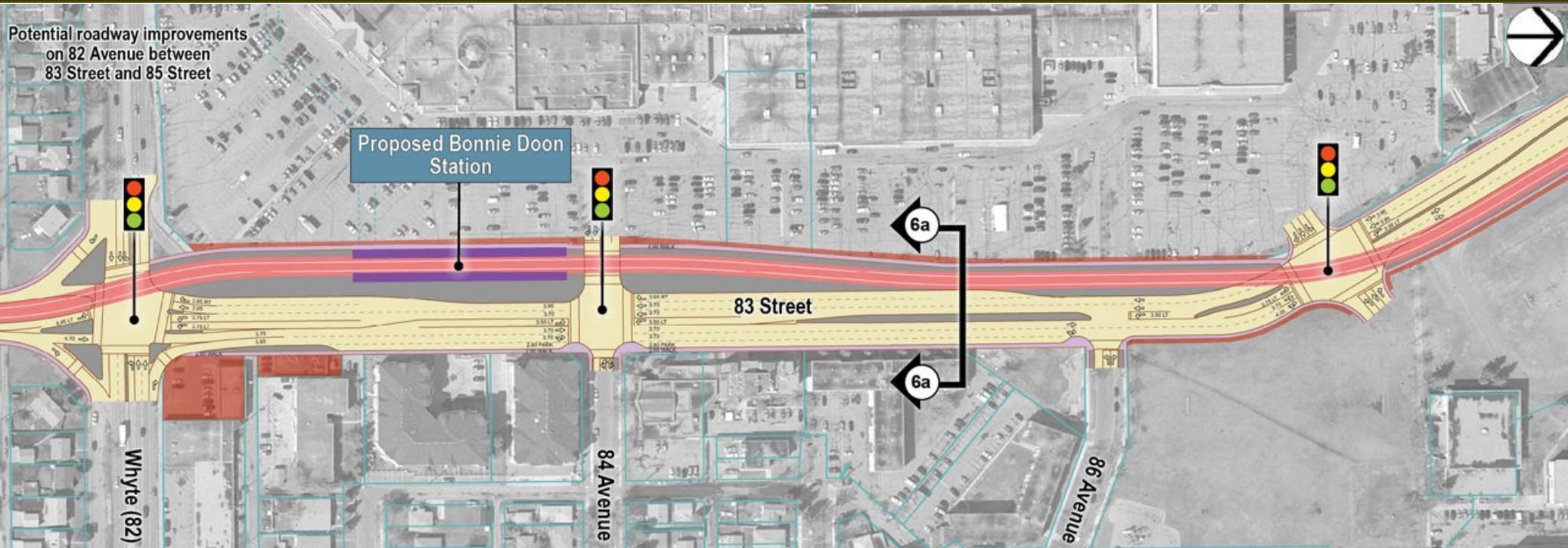


Alignment / Stations – Bonnie Doon

www.edmonton.ca/LRTProjects

subject to change

Potential roadway improvements
on 82 Avenue between
83 Street and 85 Street



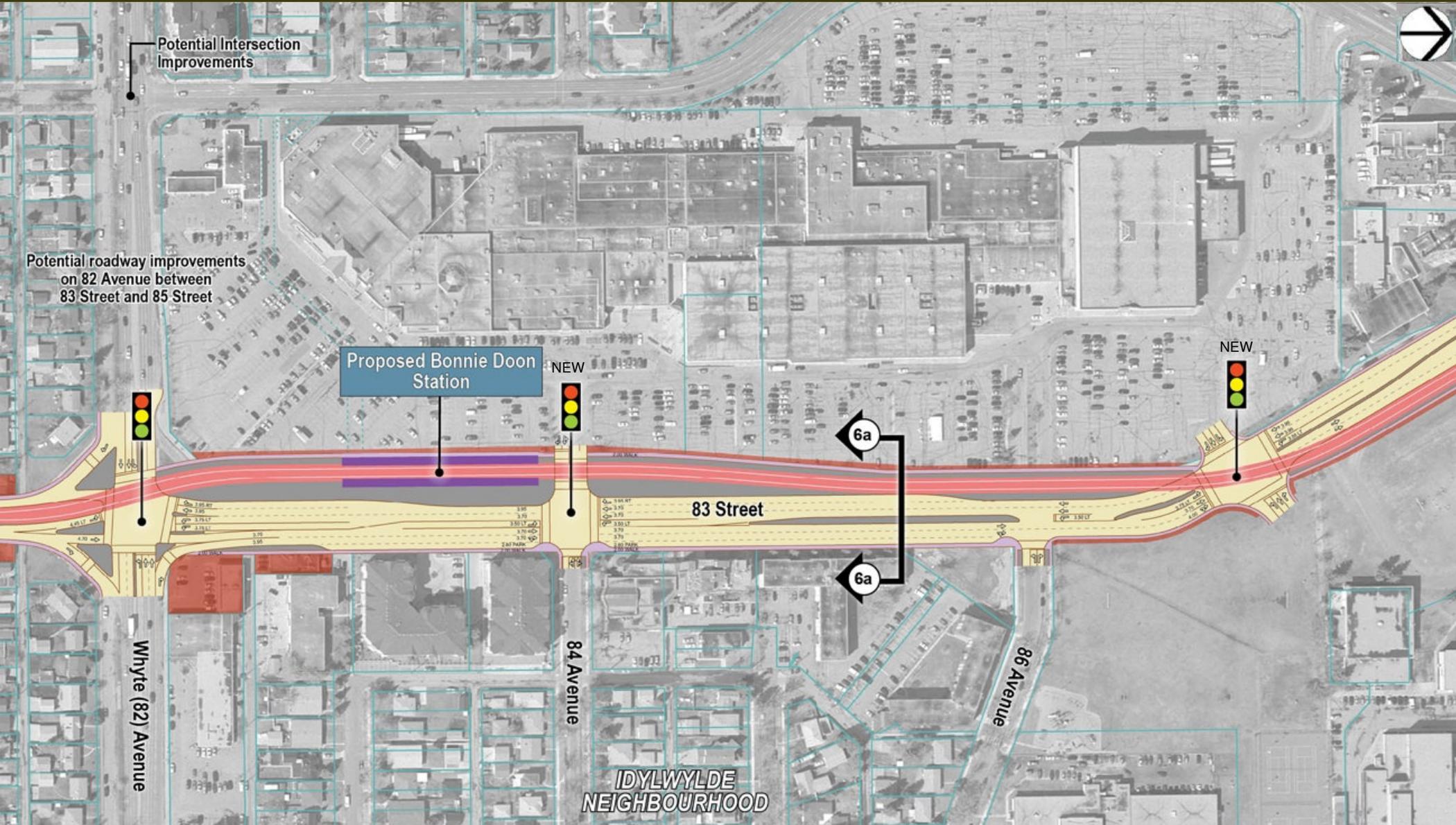
West Running LRT



Access – Bonnie Doon

www.edmonton.ca/LRTProjects

subject to change



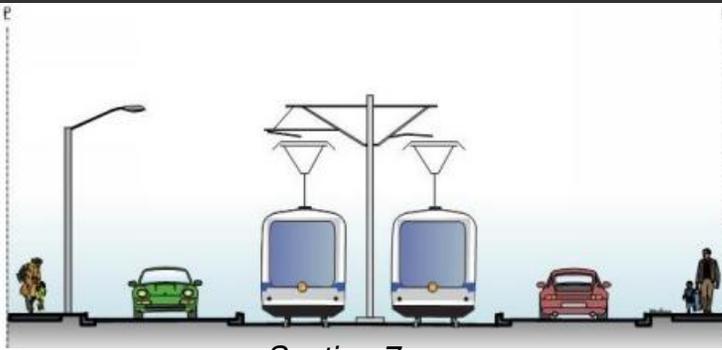
Alignment / Stations – Avonmore / King Edward Park

www.edmonton.ca/LRTProjects

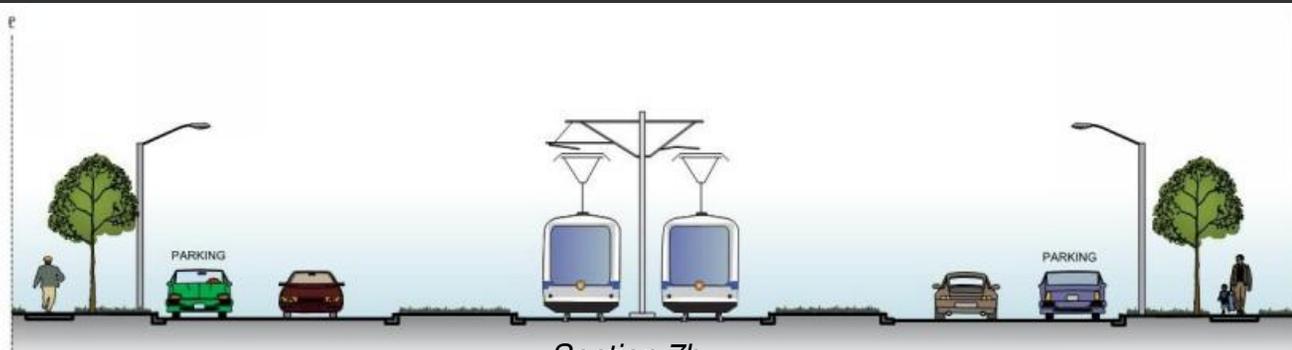
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Centre Running LRT



Section 7a



Section 7b

Avonmore / King Edward Park

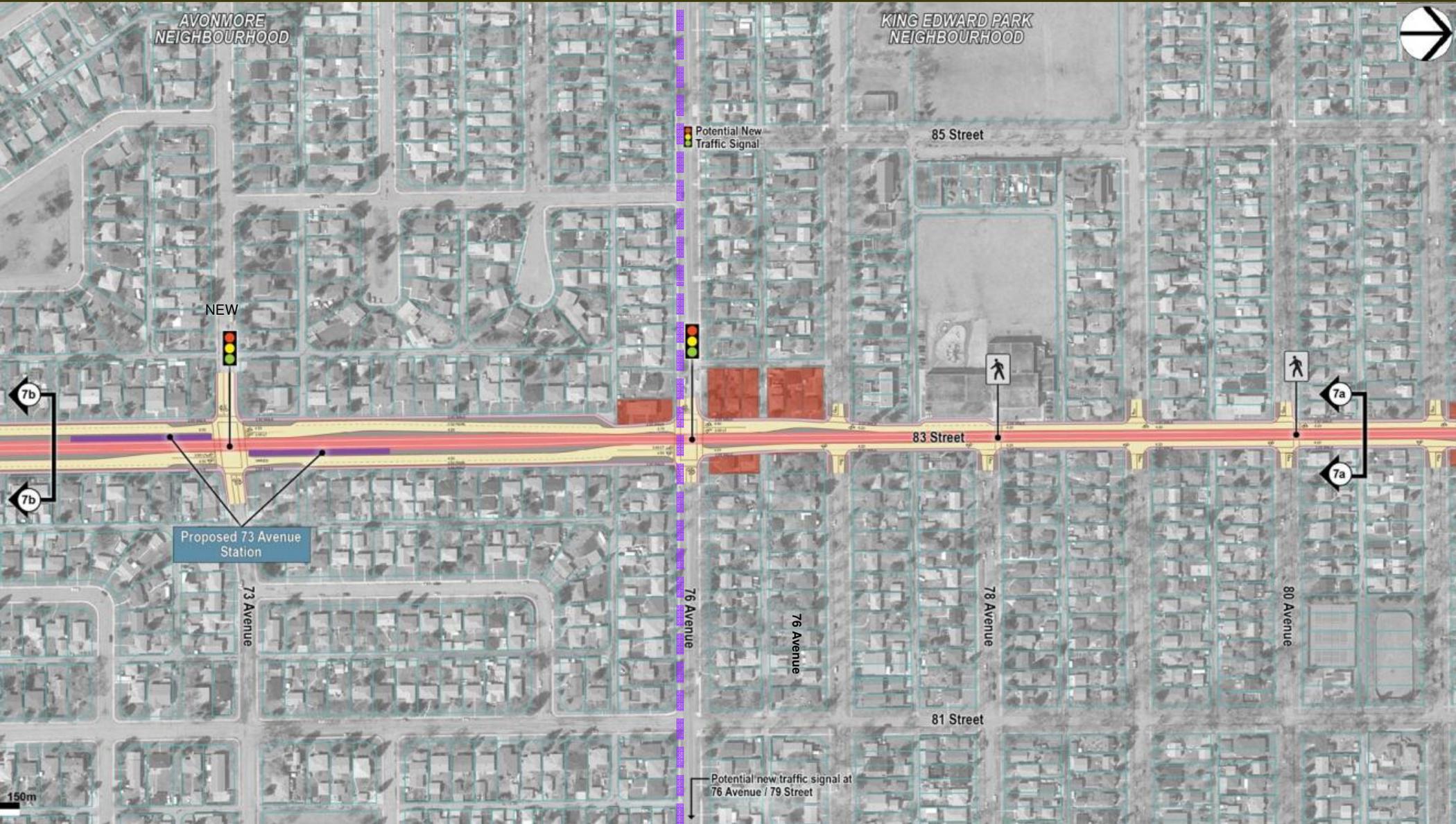
www.edmonton.ca/LRTPProjects



Access – Avonmore / King Edward Park

www.edmonton.ca/LRTProjects

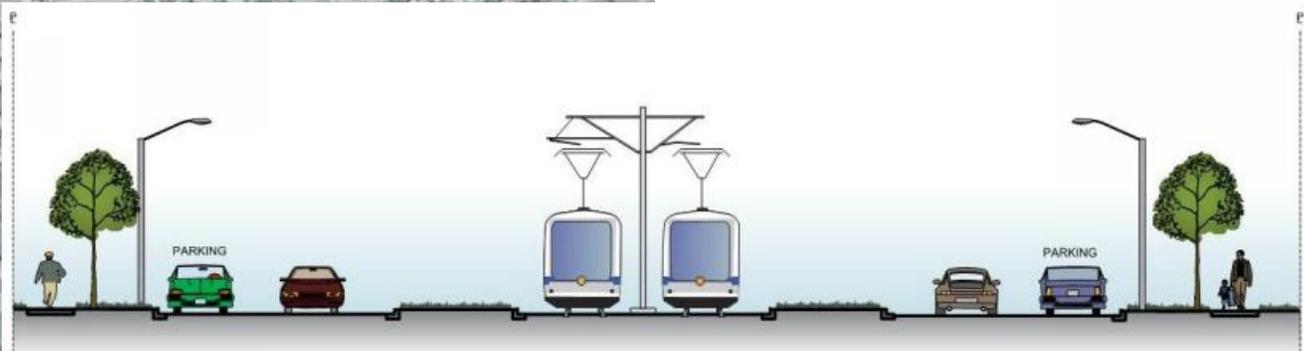
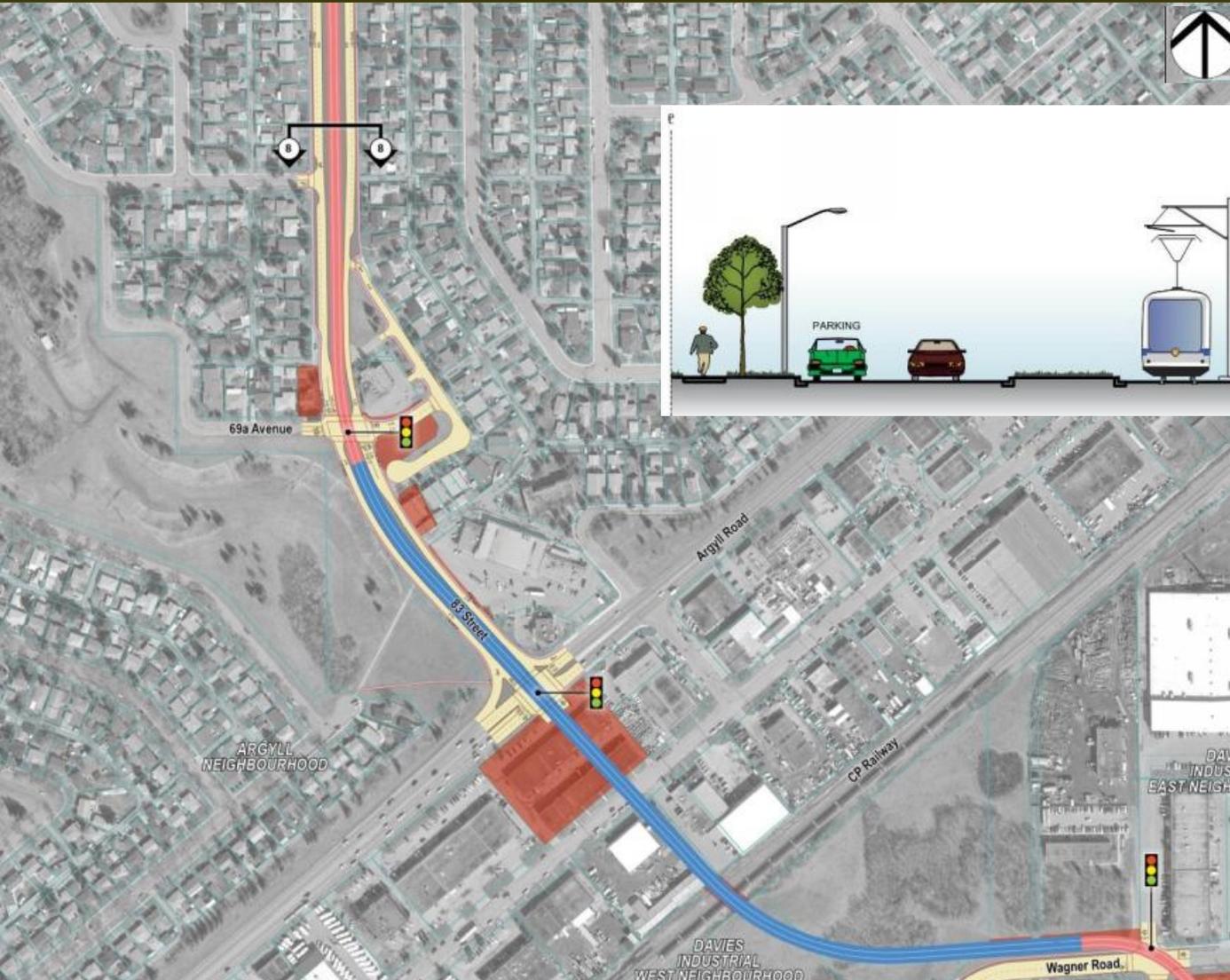
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Alignment / Stations – Argyll

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subject to change



Centre Running LRT

Elevated LRT

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Access – Argyll

www.edmonton.ca/LRTPProjects

subject to change





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Downtown to Argyll

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Urban Traffic Noise Policy and Study Results



Urban Traffic Noise Policy (C506)

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- City policy determines if noise attenuation is to be built with LRT
- A noise model is built to project future traffic noise with LRT and future traffic growth (20+ years)
- Future traffic noise levels must exceed 65 dBA_{Leq24} to be considered for attenuation
- Noise attenuation needs through Capital or Retrofit projects

Urban Traffic Noise Policy (C506)

www.edmonton.ca/LRTProjects

- Applies to backyard of adjacent properties (centre of backyard)
- Minimum 60% support by adjacent property owners
- Stakeholders are involved in the determining the appearance of the proposed treatment
- Noise attenuation must be technically, administratively and economically practical



How is Noise Modeling Done

www.edmonton.ca/LRTProjects

- Measure existing noise levels along corridor and develop model
- Projected 2041 volumes, proposed lane configuration and the addition of LRT
- Assess the projected noise levels against the UTNP





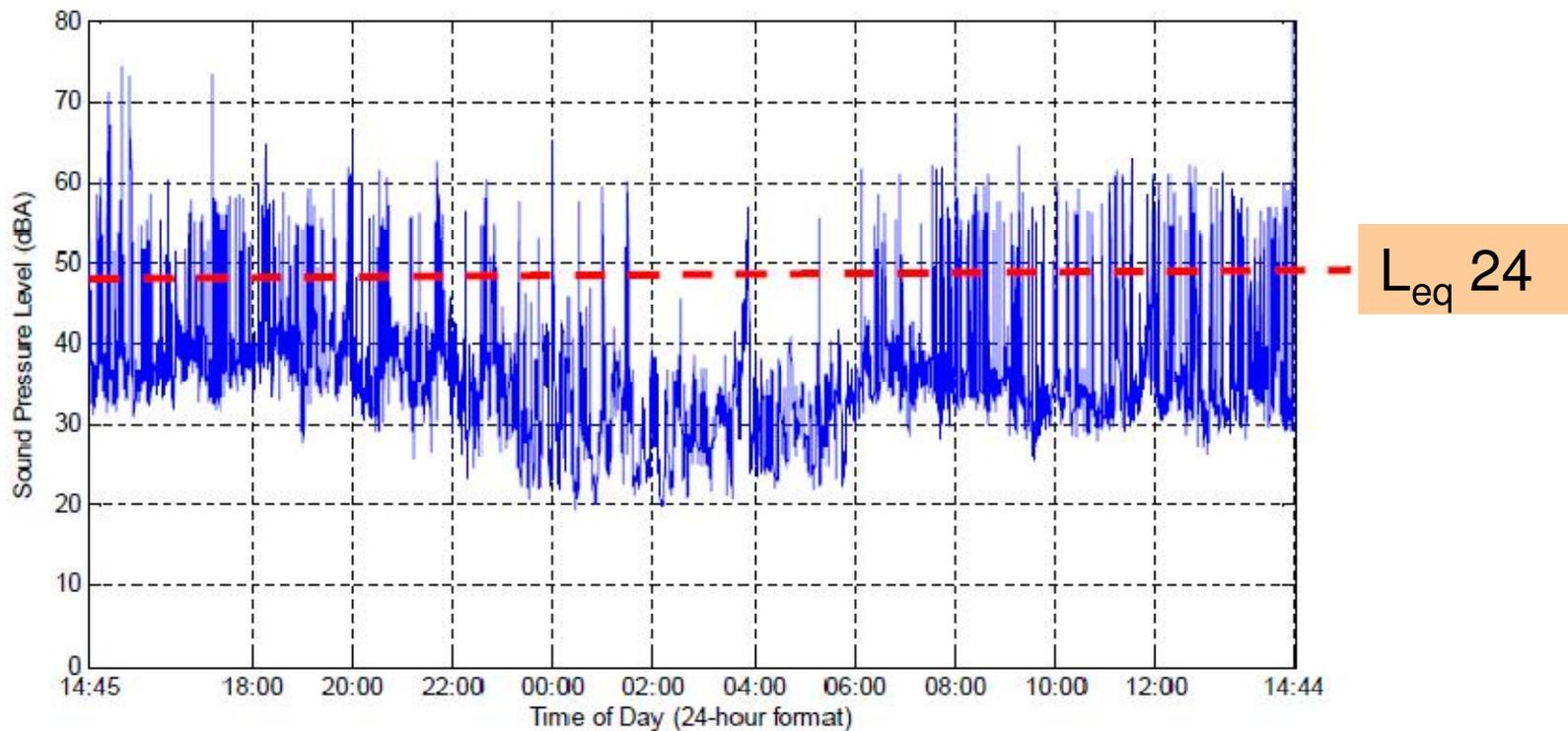
Energy Equivalent Level (L_{eq})

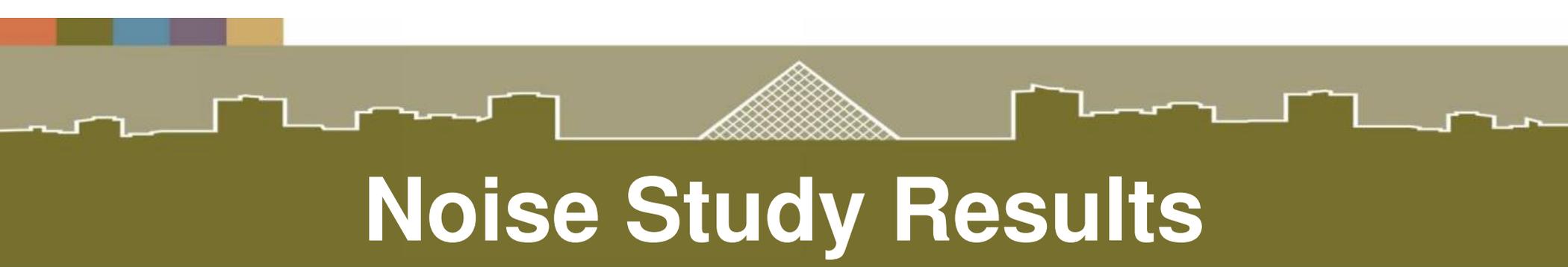
www.edmonton.ca/LRTPProjects

- Accounts for the fluctuating levels
- Is sensitive to the peak sounds
- Is NOT the average sound level
- Is used in the majority of sound regulations (City of Edmonton UTNP)

Energy Equivalent Level (L_{eq})

www.edmonton.ca/LRTPProjects





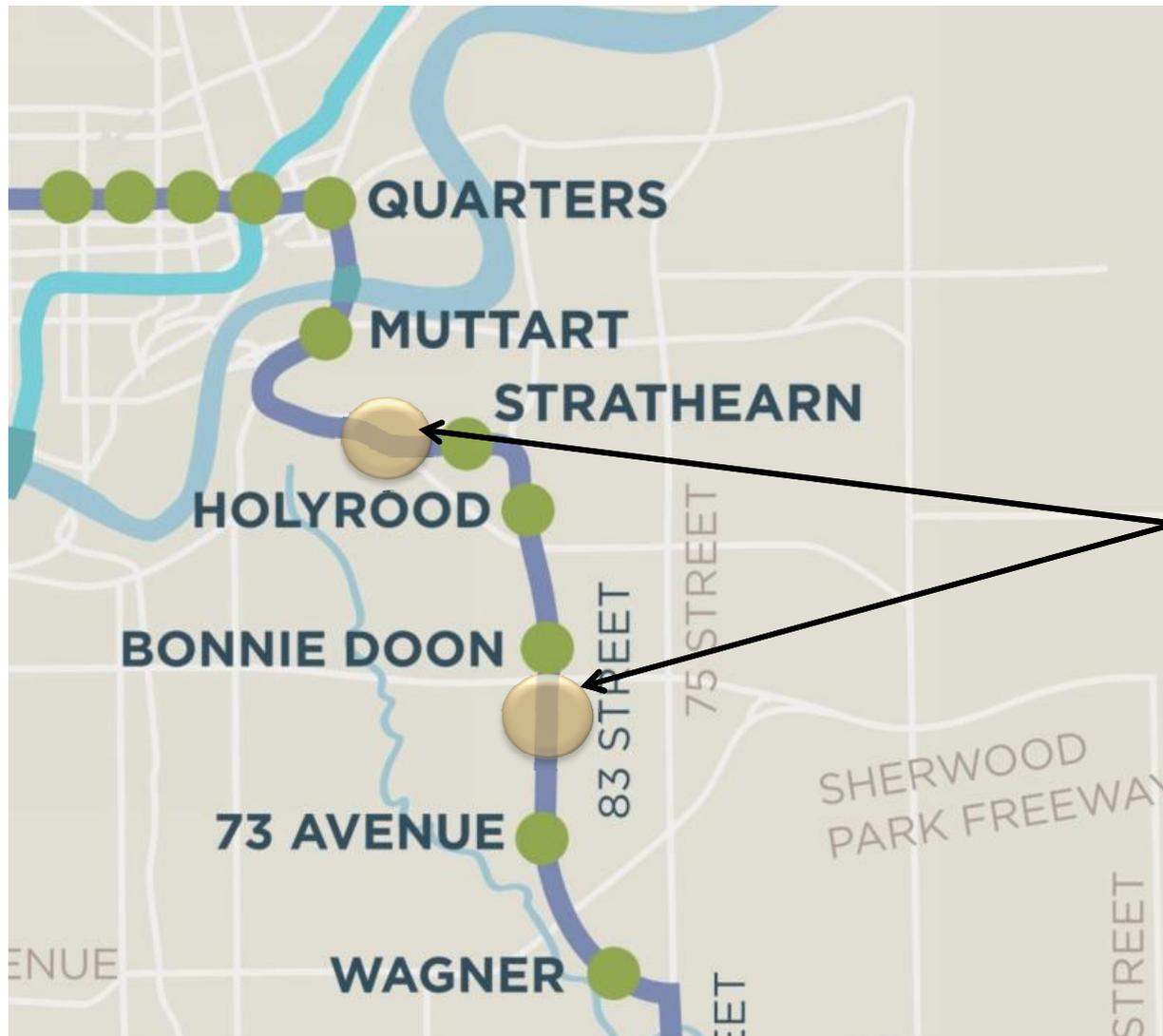
Noise Study Results

www.edmonton.ca/LRTProjects

- Sound levels ranging from 51.3 to above 65.0 dBA $_{Leq24}$ (as measured in the rear outdoor amenity area)
- Noise climate was dominated by either local traffic on the main or adjacent roads
- Noise climate was generally broadband in nature, with no tonal components and no dominant stationary sources

Noise Study Results

www.edmonton.ca/LRTPProjects



Areas exceed
65.0 dBA_{Leq24}
threshold under
the UTNP



Southeast LRT Information Session

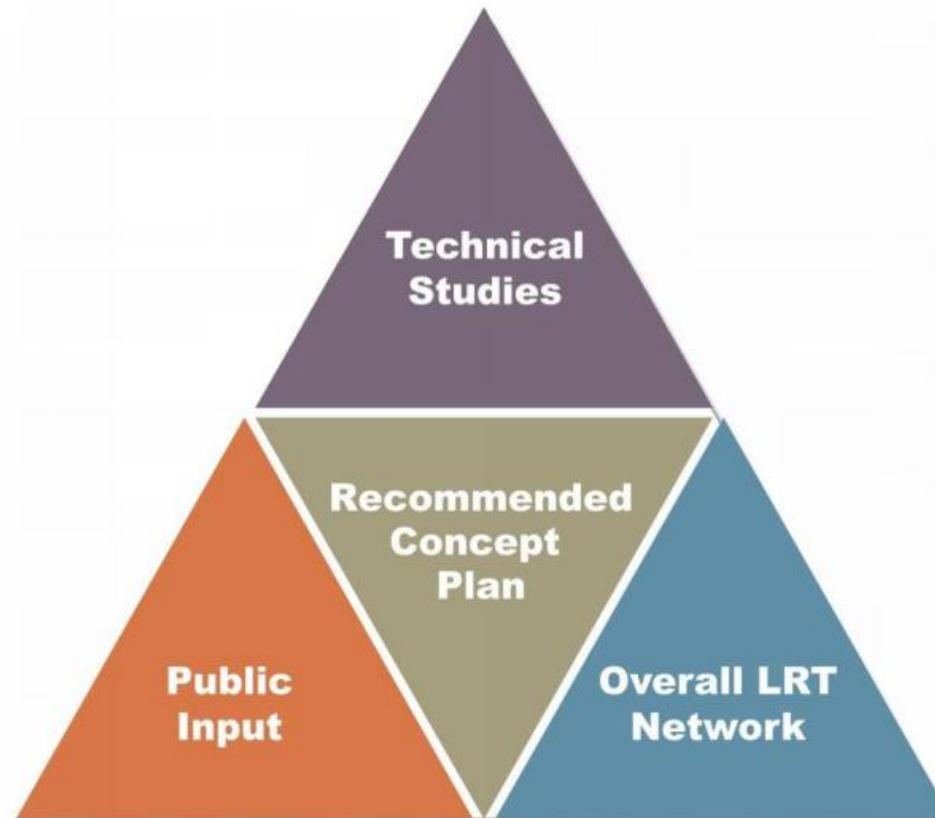
Downtown to Argyll

www.edmonton.ca/LRTProjects

Next Steps

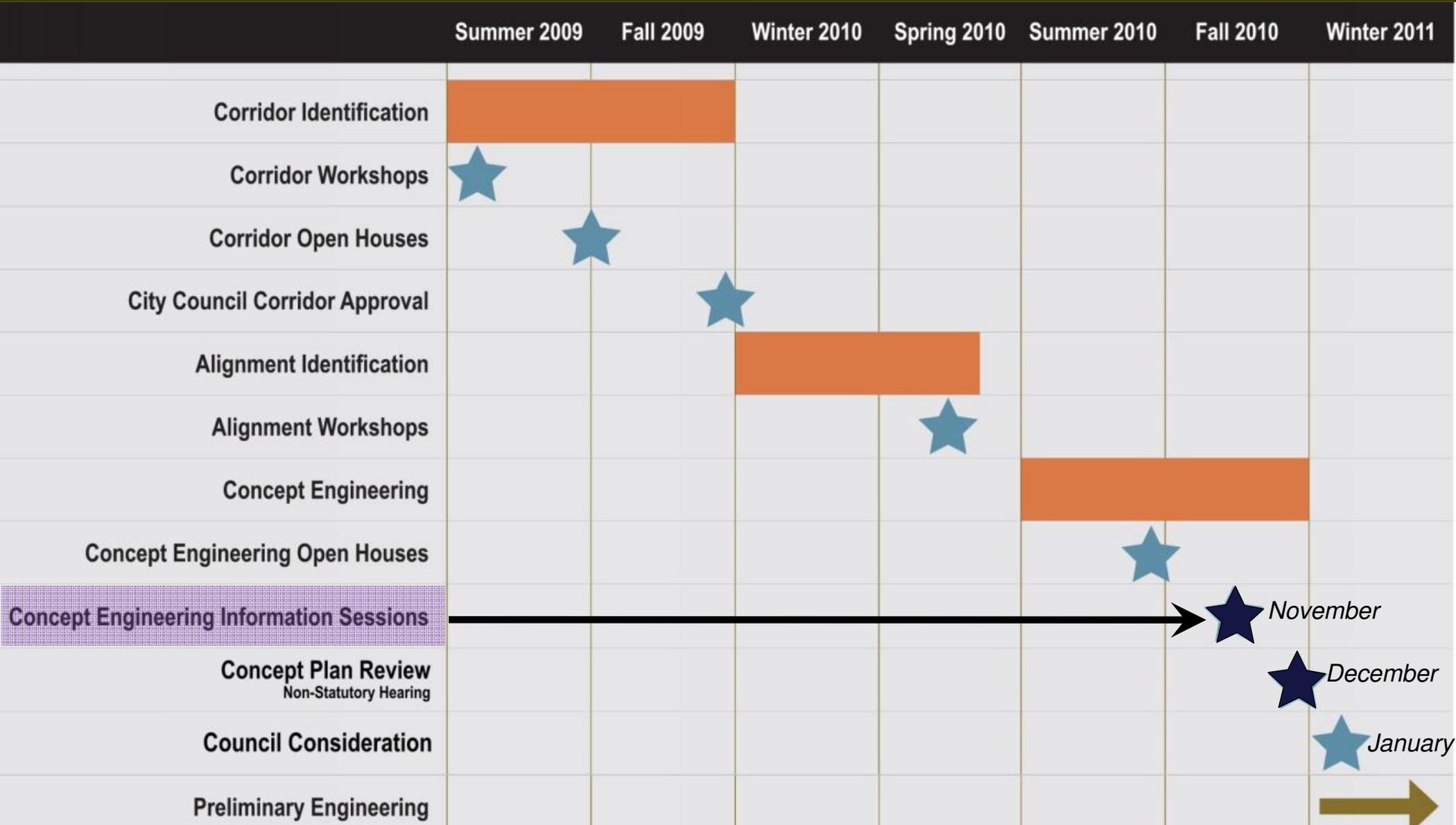
Overall Process

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Next Steps

www.edmonton.ca/LRTPProjects



Ongoing Considerations

www.edmonton.ca/LRTProjects

- Available parking programs
 - Commercial
(Bylaw 5590 signs, Private Parking Agency Enforcement)
 - Residential
(Residential Parking Programs, localized parking restrictions)
 - Additional engineering and study is required
- Safety/Security
- Traffic circulation within neighbourhoods
- Station Area Planning



Ongoing Considerations

www.edmonton.ca/LRTProjects

- Funding
- Traffic accommodation during construction
- Geotechnical / Environmental / Utilities
- Community/business impacts





Southeast LRT Information Session

Downtown to Argyll

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Question and Answer

Question and Answer Session “Ground Rules”

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- 2 minutes for each participant to ask a question or make a comment
- One follow-up question (1 minute)
- Will recognize 3 people for each round of questions; persons with microphones will go to those participants to ask their questions
- 3 rounds of questions
- Additional questions from same person not recognized until no new participants are wanting to ask questions
- Questions and responses will be recorded; please use microphones



Conclusion

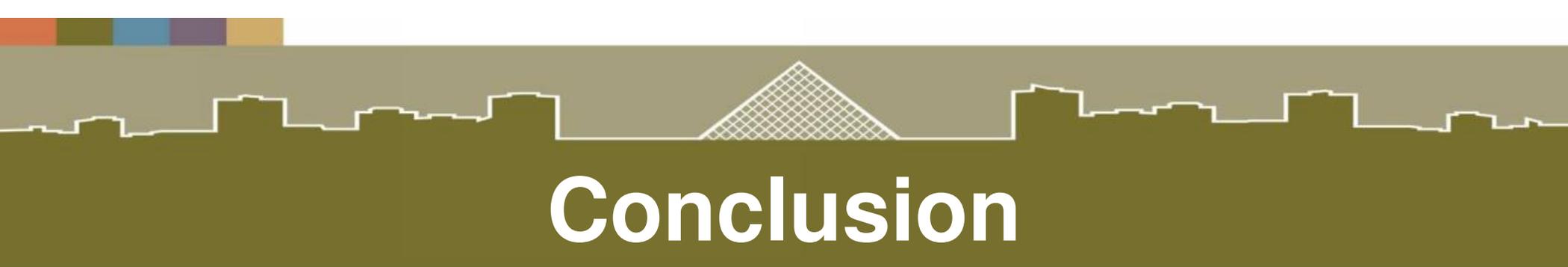
www.edmonton.ca/LRTProjects

Presentation
available on
website:

The screenshot shows the City of Edmonton website interface. At the top, there is a search bar and navigation links. Below the header is a main navigation menu with categories like 'Attractions & Recreation', 'Business', 'Bylaws & Licences', 'City Government', 'Environmental', 'For Residents', and 'Transportation'. The breadcrumb trail reads: Home > Transportation > Edmonton Transit System (ETS) > LRT (Light Rail Transit) > Future LRT > Southeast LRT to Mill Woods >. The main content area is titled 'Southeast LRT to Mill Woods' and features an illustration of a light rail train on a street. Below the illustration is a 'What's New' section stating: 'The City is recommending a Concept Plan for the future Southeast LRT line.' To the right of the main content is a 'Related Documents' section with links to 'Southeast LRT Public Consultation Summary', 'Southeast LRT Public Consultation Report - Downtown to Mill Woods', 'Southeast LRT Fact Sheet', 'West and Southeast LRT Map', and 'Southeast LRT Map'. Below that is a 'Related Links' section with links to 'Urban LRT' and 'LRT Network Plan'. A 'Public Involvement Programs and Initiatives' link is also present. A table of information sessions is also visible:

Date and Community	Location	Time
Wednesday, Nov 24 Downtown to Argyll	Four Points Sheraton 7230 Argyll road	4-9pm
Thursday, Nov 25 Whyte Avenue to Mill Woods	MacEwan South Campus, Galleria 7319 29 Avenue	4-9pm

www.edmonton.ca/LRTProjects



Conclusion

www.edmonton.ca/LRTProjects

- Register to speak at Public Hearing
WEDNESDAY, DECEMBER 8, 2010
AT TRANSPORTATION AND PUBLIC WORKS COMMITTEE
- Register to speak on www.edmonton.ca/meetings
or call the City Clerk's office at **780-496-8178**.
- Following the non-statutory public hearing, the LRT Concept Plan recommendation will be forwarded to City Council for review and consideration in January 2011



LRT Information Session Schedule

www.edmonton.ca/LRTProjects

Southeast LRT

November 24, 2010	Downtown to Argyll Road
November 25, 2010	Whyte Avenue to Mill Woods Town Centre

West LRT

November 29, 2010	Lewis Estates to Stony Plain Road/149 Street
November 30, 2010	Stony Plain Road/149 Street to Downtown

www.edmonton.ca/LRTProjects



Southeast LRT Information Sessions

Downtown to Argyll

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Thank you!