Southeast LRT Workshop Session

Welcome

96 Street / 102 Avenue to Strathearn

May 18, 2010
Tonight's Meeting Purpose

- To provide more detailed information on Southeast LRT concept engineering
- To provide specific detail on alignment alternatives for 96 Street / 102 Avenue to 85 Street / 93 Avenue segment
- To collect comments from participants
### West LRT

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Proposed Agenda

- 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
96 Street / 102 Avenue to Strathearn

Project Background
Where we are in the process?

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?

![Diagram showing the progress of LRT projects in Edmonton](www.edmonton.ca/LRTProjects)

1. Strategic Planning
   - West LRT (NAIT)
   - Southeast LRT
   - Conceptual Planning

2. Preliminary Engineering
   - Level of Detail
   - Plan
   - Produce

3. Detailed Engineering
   - North LRT (NAIT)
   - Construction

4. Project Turnover
   - Level of Detail
Corridor vs. Alignment
Where we are in the process today?

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- 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?

- **Alignment Selection**
  - Workshops
  - Open Houses
  - Information Sessions

- **Alignment Definition**
  - MAY
  - Workshops

- **Reporting**
  - SEP
  - NOV
  - DEC
  - Public Hearing
  - On going Consultation with Key Stakeholders
LRT Network

www.edmonton.ca/LRTProjects
Southeast and West LRT Corridors

www.edmonton.ca/LRTProjects

Area we are focusing on tonight
• LRT Noise Impact Study under way

This policy is in place to address the impacts of traffic noise in the urban environment.

If the predicted noise level is above 65 dBA Leq24, noise attenuation may be warranted.
Roadway Network

- Tunnel under Jasper Avenue
- Bridge over 98 Avenue
- Reviewing key intersections
Workshop Session Overview

• Session #1:
  – Right-of-way Alignment

• Session #2:
  – Station Location

• Session #3:
  – Neighbourhood and Business Access
Neighbourhood Groupings

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Segment A: Quarters
Segment B: Cloverdale
Segment C: Strathearn
Southeast LRT
96 Street / 102 Avenue to Strathearn

Session #1

Right-of-Way (ROW)
Alignment Alternatives
Corridor vs. Alignment

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Right-of-Way

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

– What needs to be considered for each alignment?
ROW Alignment - Segment A

Downtown Connection to West LRT Corridor Under Study

Potential Quarters Station

BOYLE STREET NEIGHBOURHOOD

102 Avenue

Portal

Grierson Hill Road

Quarters
ROW Alignment - Segment A

at grade on service road west of Muttart Conservatory

98 Avenue (under bridge)

Jasper Avenue (over tunnel)

new bridge

river

tunnel

PROFILE
ROW Alignment - Segment A

Quarters - Tunnel Portal on 102 Avenue
ROW Alignment - Segment A

New River Crossing
ROW Alignment - Segment B

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Cloverdale
ROW Alignment - Segment B

Top of Connors Road
ROW Alignment - Segment C

ALTERNATIVE 2 - Side Running LRT along 85 Street
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?
Session #2

Station Location and Configuration
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

Low floor vehicles and platforms provide:

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

Centre Running LRT with Centre Loading Platform
Station Configuration

Centre Running
LRT with Side
Loading Platform
Station Configuration

Centre Running LRT with Staggered Side Loading Platform

www.edmonton.ca/LRTProjects
Overview Station Alternatives

www.edmonton.ca/LRTProjects

• Overview of station alternatives at:
  – Quarters
  – Muttart Station
  – Strathearn Station
Muttart Station

Potential Muttart Station

ALTERNATIVE 1
Muttart Station

Potential Muttart Station

98 Avenue

ALTERNATIVE 2
ROW Alignment - Segment A

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- at grade on service road west of Muttart Conservatory
- 98 Avenue (under bridge)
- top of berm elevation
- service road elevation
- station
- new bridge
- river

PROFILE
Strathearn Station

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ALTERNATIVE 1
Strathearn Station

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Potential Strathearn Station

ALTERNATIVE 2
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
96 Street / 102 Avenue to Strathearn

Break
Southeast LRT
96 Street / 102 Avenue to Strathearn

Session #3

Neighbourhood and Business Access
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

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
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

- Existing left turn movement at intersection removed
- Future jug-handle movements provided
Neighbourhood and Business Access – Segment A

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Quarters
Neighbourhood and Business Access – Segment C

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ALTERNATIVE 1 - Centre Running LRT
Neighbourhood and Business Access – Segment C

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ALTERNATIVE 2 - Side Running LRT along 85 Street
ALTERNATIVE 3 – Jug-handle access road

Potential Strathearn Station

87 Avenue
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

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

www.edmonton.ca/LRTProjects
Wrap Up

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Next Steps

www.edmonton.ca/LRTProjects

Alignment Selection

Alignment Definition

Reporting

MAY

SEP

NOV

DEC

Workshops

Open Houses

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Public Hearing

On going Consultation with Key Stakeholders
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Thank you!