Southeast LRT Workshop Session

Welcome

Wagner to Mill Woods

May 27, 2010
Tonight's Meeting Purpose

- 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

### 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
Wagner to Mill Woods

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?

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Corridor vs. Alignment

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CORRIDOR

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

Alignment Definition

Reporting

MAY

Workshops

Open Houses

Information Sessions

Public Hearing

On going Consultation with Key Stakeholders

SEP

NOV

DEC

www.edmonton.ca/LRTProjects
Urban Style LRT

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

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• LRT Noise Impact Study under way

CITY POLICY

Urban Traffic Noise Policy

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

- 75 Street
- Whitemud Drive
- 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: Wagner
Segment B: Whitemud
Segment C: Mill Woods
Southeast LRT
Wagner to Mill Woods

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
ROW Alignment Options

Comment on your chosen section

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

ALTERNATIVE 1 - Centre Running LRT on 75 Street
ROW Alignment - Segment A

ALTERNATIVE 2 – Side Running LRT on 75 Street – Davies Road
ROW Alignment - Segment A

ALTERNATIVE 3 – Side Running LRT – Tunnel
Elevated ROW

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ROW Alignment - Segment B

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

ALTERNATIVE 1 – Centre Running LRT on 66 Street
ROW Alignment - Segment C

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ALTERNATIVE 2 – Side Running LRT on 66 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?
Southeast LRT
Wagner to Mill Woods

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

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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
Station Configuration

Elevated LRT with Elevated Platform
Station Configuration

Side Running LRT integrated into Transit Centre
Overview Station Alternatives

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

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ALTERNATIVE 1

ALTERNATIVE 2
Wagner Station

Map showing potential Wagner Station, Davies Road, Wagner Road, and Alternative 3.
Whitemud Station

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ALTERNATIVE 1

ALTERNATIVE 2
Grey Nuns Station

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ALTERNATIVE 1

Potential Grey Nuns Station

Further SE LRT Corridor Extension Under Study

ALTERNATIVE 2

Further SE LRT Corridor Extension Under Study

Potential Grey Nuns Station
Grey Nuns Station

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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

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
Neighbourhood and Business Access

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

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- Existing left turn movement at intersection removed
- Future jug-handle movements provided
ALTERNATIVE 1 – Centre Running LRT on 75 Street
Neighbourhood and Business Access - Segment A

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ALTERNATIVE 2 – Side Running LRT on 75 Street – Davies Road
ALTENATIVE 3 – Tunnel
ALTERNATIVE 1 – Centre Running LRT on 75 Street
Neighbourhood and Business Access - Segment B

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ALTERNATIVE 2 – Side Running LRT on 75 Street
Neighbourhood and Business Access - Segment C

ALTERNATIVE 1 – Centre Running LRT on 66 Street
Neighbourhood and Business Access - Segment C

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ALTERNATIVE 2 – Side Running LRT on 66 Street
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

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Wrap Up

www.edmonton.ca/LRTProjects

- Technical Studies
- Recommended Concept Plan
- Overall LRT Network
- Public Input
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Thank you!