Southeast LRT Workshop Session

Welcome

Bonnie Doon to Argyll

May 26, 2010
Tonight's Meeting Purpose

- To provide more detailed information on Southeast LRT concept engineering
- To provide specific detail on alignment alternatives for 83 Street / 90 Avenue to 83 Street / Argyll Road segment
- To collect comments from participants
# LRT Workshop Session Schedule

www.edmonton.ca/LRTProjects

<table>
<thead>
<tr>
<th>West LRT</th>
<th>Southeast LRT</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 4, 2010</td>
<td>May 18, 2010</td>
</tr>
<tr>
<td>Lewis Estates to Meadowlark</td>
<td>Downtown to Strathearn</td>
</tr>
<tr>
<td>May 6, 2010</td>
<td>May 19, 2010</td>
</tr>
<tr>
<td>Meadowlark to SPR/142 St.</td>
<td>Strathearn to Whyte Ave</td>
</tr>
<tr>
<td>May 12, 2010</td>
<td>May 26, 2010</td>
</tr>
<tr>
<td>SPR/149 St. to SPR/124 St.</td>
<td>Bonnie Doon to Wagner</td>
</tr>
<tr>
<td>May 13, 2010</td>
<td>May 27, 2010</td>
</tr>
<tr>
<td>Groat Road to Downtown</td>
<td>Wagner to Mill Woods</td>
</tr>
</tbody>
</table>
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
Bonnie Doon to Argyll

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?

- Strategic Planning
- West LRT (Southeast LRT)
- North LRT (NAIT)

LEVEL OF DETAIL

Plan

Produce

Project Turnover

www.edmonton.ca/LRTProjects
Corridor vs. Alignment

www.edmonton.ca/LRTProjects
Where we are in the process today?

- 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?

<table>
<thead>
<tr>
<th>Alignment Selection</th>
<th>Alignment Definition</th>
<th>Reporting</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAY</td>
<td>SEP</td>
<td>NOV DEC</td>
</tr>
<tr>
<td>Workshops</td>
<td>Open Houses</td>
<td>Information Sessions</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Public Hearing</td>
</tr>
<tr>
<td></td>
<td></td>
<td>On going Consultation with Key Stakeholders</td>
</tr>
</tbody>
</table>

www.edmonton.ca/LRTProjects
Urban Style LRT

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

www.edmonton.ca/LRTProjects

AREA WE ARE FOCUSING ON TONIGHT
LRT Noise Impact

- 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

- Bonnie Doon Traffic Circle
- 83 Street / Whyte Avenue
- Reviewing key intersections
Workshop Session Overview

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

- Session #2:
  - Station Location

- Session #3:
  - Neighbourhood and Business Access
Southeast LRT
Bonnie Doon to Argyll

Session #1

Right-of-Way (ROW) Alignment Alternatives
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?*
Legend / Key

- **4.1**
- **83 Street**
- **86 Avenue**
- **Roadwork**
- **LRT at grade**
- **Station**
- **Property Requirements**

www.edmonton.ca/LRTProjects
ROW Alignment – Segment A

ALTERNATIVE 1 - Centre Running LRT – 4 lanes of traffic
ROW Alignment – Segment A

ALTERNATIVE 2 - Side Running LRT – 2 lanes of traffic
ROW Alignment - Segment A

ALTERNATIVE 3 – Alternate Intersection Configuration
ROW Alignment - Segment B

www.edmonton.ca/LRTProjects

ALTERNATIVE 1 – Centre Running LRT – 4 lanes of traffic

SECTION 5.1b

existing property line

SECTION 5.1a

One row of full acquisition is required along 83 Street between 82 Avenue and 76 Avenue for this alternative.
ROW Alignment - Segment B

ALTERNATIVE 2 – Centre Running LRT – 2 lanes of traffic
ROW Alignment - Segment B

www.edmonton.ca/LRTProjects

ALTERNATIVE 3 – Side Running LRT – 2 lanes of traffic
ROW Alignment - Segment C

ALTERNATIVE 1 – Centre Running LRT – 4 lanes of traffic
ROW Alignment - Segment C

www.edmonton.ca/LRTProjects

ALTERNATIVE 2 – Centre Running LRT – 2 lanes of traffic
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
Bonnie Doon to Argyll

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
Overview Station Alternatives

• Overview of station alternatives at:
  – Bonnie Doon Station
  – 73 or 76 Avenue Station
73 Avenue Station

www.edmonton.ca/LRTProjects

ALTERNATIVE 1 – Station at 73 Avenue

Potential 73 Avenue Station

5.1b
76 Avenue Station

Potential 76 Avenue Station

ALTERNATIVE 2 – Station at 76 Avenue
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
Bonnie Doon to Argyll

Session #3

Neighbourhood and Business Access
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

www.edmonton.ca/LRTProjects

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

ALTERNATIVE 2 - Side Running LRT – 2 lanes of traffic
Neighbourhood and Business Access - Segment B

www.edmonton.ca/LRTProjects

ALTERNATIVE 1 – Centre Running LRT – 4 lanes of traffic
Neighbourhood and Business Access - Segment B

ALTERNATIVE 2 – Centre Running LRT – 2 lanes of traffic
Neighbourhood and Business Access - Segment C

www.edmonton.ca/LRTProjects

ALTERNATIVE 1 – Centre Running LRT – 4 lanes of traffic
Neighbourhood and Business Access - Segment C

ALTERNATIVE 2 – Centre Running LRT – 2 lanes of traffic
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

www.edmonton.ca/LRTProjects

- Technical Studies
- Recommended Concept Plan
- Public Input
- Overall LRT Network
## LRT Workshop Session Schedule

### West LRT

<table>
<thead>
<tr>
<th>Date</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 4, 2010</td>
<td>Lewis Estates to Meadowlark</td>
</tr>
<tr>
<td>May 6, 2010</td>
<td>Meadowlark to SPR/142 St.</td>
</tr>
<tr>
<td>May 12, 2010</td>
<td>SPR/149 St. to SPR/124 St.</td>
</tr>
<tr>
<td>May 13, 2010</td>
<td>Groat Road to Downtown</td>
</tr>
</tbody>
</table>

### Southeast LRT

<table>
<thead>
<tr>
<th>Date</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 18, 2010</td>
<td>Downtown to Strathearn</td>
</tr>
<tr>
<td>May 19, 2010</td>
<td>Strathearn to Whyte Ave</td>
</tr>
<tr>
<td>May 26, 2010</td>
<td>Bonnie Doon to Wagner</td>
</tr>
<tr>
<td>May 27, 2010</td>
<td>Wagner to Mill Woods</td>
</tr>
</tbody>
</table>
Next Steps

Alignment Selection

Workshops
Open Houses
Information Sessions
Public Hearing
On going Consultation with Key Stakeholders

Alignment Definition

MAY

Reporting

SEP  NOV  DEC

On going Consultation with Key Stakeholders
Southeast LRT
Bonnie Doon to Argyll

Thank you!