Southeast LRT Information Session

Welcome

Whyte Avenue to Mill Woods

November 25, 2010
Tonight's Meeting Purpose

www.edmonton.ca/LRTProjects

• 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

• 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

Whyte Avenue to Mill Woods

Project Background
Council Approvals

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)*
Where we are in the process today

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

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<th>Fall 2009</th>
<th>Winter 2010</th>
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Where We Are Going:

- Corridor Identification
- Corridor Workshops
- Corridor Open Houses
- City Council Corridor Approval
- Alignment Identification
- Alignment Workshops
- Concept Engineering
- Concept Engineering Open Houses
- Concept Engineering Information Sessions
- Concept Plan Review
  - Non-Statutory Hearing
- Council Consideration
- Preliminary Engineering

Timeline:
- November
- December
- January
Station Typologies

- **Mixed Use / Town Centre Stations**
- **Employment Centre Stations**
- **Residential Centre Stations**
Southeast and West LRT Corridors

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Area we are focusing on tonight
Southeast LRT Information Session

Whyte Avenue to Mill Woods

Public Involvement Process & Update
## Process

**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**
## Competing Themes:

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<tr>
<th>Ensure Easy Access into Neighborhoods</th>
<th>Reducing Travel Lanes</th>
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<tr>
<td>Station Location</td>
<td>Intersection Operations</td>
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<td>Pedestrian Access Across the Roadways</td>
<td>Vehicle Travel Times</td>
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<td>Neighborhood Access</td>
<td>Neighborhood Short-cutting</td>
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How satisfied were you with the Draft LRT Concept Plan?

- Very satisfied (5) 20%
- (4) 36%
- (3) 18%
- (2) 14%
- Not at all satisfied (1) 9%
- Don’t know/not stated 4%

n=143
LRT Alignment

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

- Very satisfied (5): 20%
- (4): 36%
- (3): 24%
- (2): 8%
- Not at all satisfied (1): 8%
- Don't know/not stated: 4%

n=143
Agreement that the proposed LRT station locations will provide convenient access to important destinations?

- Strongly agree: 20%
- (4) 38%
- (3) 22%
- (2) 9%
- Strongly disagree: 6%
- Don’t know/not stated: 6%
Access

Satisfaction with efforts to accommodate the following user groups

- Pedestrians and cyclists: 43%
- Commuter vehicle traffic using the LRT corridor: 37%
- Vehicle access to and from neighbourhoods and businesses: 37%
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Whyte Avenue to Mill Woods

Recommended Alignment
Highlighted Changes Since September

- 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 – Bonnie Doon

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

Proposed Bonnie Doon Station

West Running LRT
Access – Avonmore / King Edward Park

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subject to change

NEW 76 Avenue
Alignment / Stations – Argyll

Centre Running LRT
Elevated LRT
Access – Wagner

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subject to change

NEW

Provisional Wagner Station

Portal

Portal

Davies Industrial East Neighbourhood

Subject to change

M-174 Feas

NEW

77 Street

Davies Road

Accessory

Portal

Portal

www.edmonton.ca/LRTProjects

subject to change

NEW

Provisional Wagner Station

Portal

Portal

Davies Industrial East Neighbourhood

Subject to change

M-174 Feas

NEW

77 Street

Davies Road

Accessory

Alignment / Stations – 75 Street

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East Running LRT

subject to change
Alignment / Stations – Whitemud

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subject to change

East Running LRT
Alignment / Stations – 66 Street

East Running LRT
Access – 66 Street

subject to change

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Huntington

NEIGHBORHOOD

McGregor

NEIGHBORHOOD

Millbourne

NEIGHBORHOOD

Dundurn

NEIGHBORHOOD

Puell

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36th Avenue

34th Avenue

23rd Avenue

21st Avenue

Access – 66 Street

subject to change

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21st Avenue
Alignment / Stations – Grey Nuns

East Running LRT
Access – Grey Nuns

www.edmonton.ca/LRTProjects

subject to change
Alignment / Stations – Mill Woods

www.edmonton.ca/LRTProjects

subject to change

Side Running LRT
Southeast LRT Information Session

*Whyte Avenue to Mill Woods*

Urban Traffic Noise Policy and Study Results
Urban Traffic Noise Policy (C506)

- 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 $\text{Leq}_{24}$ to be considered for attenuation
- Noise attenuation needs through Capital or Retrofit projects
Urban Traffic Noise Policy (C506)

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

- 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 ($L_{eq}$)

- 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 ($L_{eq}$)
Noise Study Results

- Sound levels ranging from 51.3 to above 65.0 dBA $\text{Leq}_{24}$ (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
Area exceeds 65 dBA Leq 24 threshold under the UTNP
Southeast LRT Information Session

Whyte Avenue to Mill Woods

Next Steps
Overall Process

- Technical Studies
- Recommended Concept Plan
- Overall LRT Network
- Public Input
Ongoing Considerations

- 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

- Funding
- Traffic accommodation during construction
- Geotechnical / Environmental / Utilities
- Community/business impacts
Southeast LRT Information Session

Whyte Avenue to Mill Woods

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Question and Answer
Question and Answer Session “Ground Rules”

- 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

Presentation available on website:

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](http://www.edmonton.ca/LRTProjects)

## Southeast LRT

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<td>November 24, 2010</td>
<td>Downtown to Argyll Road</td>
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<tr>
<td>November 25, 2010</td>
<td>Whyte Avenue to Mill Woods Town Centre</td>
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## West LRT

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<td>November 29, 2010</td>
<td>Lewis Estates to Stony Plain Road/149 Street</td>
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<td>November 30, 2010</td>
<td>Stony Plain Road/149 Street to Downtown</td>
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Southeast LRT Information Sessions

*Downtown to Argyll*

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Thank you!