West LRT Information Session

Welcome

Stony Plain Road Business District to Downtown

November 30, 2010
Tonight's Meeting Purpose

- 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 West LRT Recommended Alignment
• Segment walkthrough of alignment, stations, and neighborhood access
• Noise Study Results
• Question and Answer
West LRT Information Session

SPR Business District to Downtown

www.edmonton.ca/LRTProjects

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*)
LRT Development

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Northwest LRT

Southeast, Downtown & West LRT

North LRT (NAIT)

1. Concept Engineering
   - Corridor Definition
   - Alignment Definition
2. Preliminary Engineering
3. Detailed Engineering
4. Construction

Strategic Planning

LEVEL OF DETAIL

Project Turnover
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

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<tr>
<th>Event</th>
<th>Summer 2009</th>
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LRT Network

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Urban Style LRT

Charlotte, North Carolina
Willamor Media / Flickr

New Jersey, NY
Paul David Gerber

San Jose, CA
© 2005 Peter Eulich

Croydon, UK
Andrew Grantham / Flickr
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.
West LRT Information Session

**SPR Business District to Downtown**

Public Involvement Process & Update
## Process

### Review and Evaluate Options
- Community/neighbourhood-based workshops
- Stakeholder meetings and presentations

Present Draft Concept Plan for Feedback
- Open Houses with questionnaire

Info Sessions with Recommended Plan

Public Hearing/Council

<table>
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<th>Event</th>
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<td>Review and Evaluate Options</td>
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<td>Present Draft Concept Plan for Feedback</td>
<td>September 2010</td>
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<td>Info Sessions with Recommended Plan</td>
<td>November 2010</td>
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<td>Public Hearing/Council</td>
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# What We Heard

**Competing Themes:**

<table>
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<tr>
<th>ensure easy access into neighborhoods</th>
<th>reducing travel lanes</th>
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<tbody>
<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): 17%
- (4): 28%
- (3): 17%
- (2): 11%
- Not at all satisfied (1): 23%
- Don’t know/not stated: 5%

n=240
How satisfied are you with the proposed track location within the LRT Corridor?
Agreement that the proposed LRT station locations will provide convenient access to important destinations?

- Strongly agree (5): 24%
- (4): 28%
- (3): 18%
- (2): 7%
- Strongly disagree (1): 12%
- Don’t know/not stated: 12%

n=240
Access

Satisfaction with efforts to accommodate the following user groups

- Pedestrians and cyclists: 36%
- Commuter vehicle traffic using the LRT corridor: 32%
- Vehicle access to and from neighbourhoods and businesses: 30%

n=240
West LRT Information Session

SPR Business District to Downtown

Recommended Alignment
Highlighted Changes Since September

- The 182 Street station moved to west side of 182 Street
- Access to Misericordia Hospital at 169 Street/87 Avenue
- On-street parking added on the 87 Avenue between 165 Street and 159 Street
- The Jasper Place bus terminal will be relocated closer to LRT Station
- Additional potential property requirements identified on Stony Plain Road as part of Jasper Place Revitalization Strategy
- A new right-in, right-out access will be created at 144 Street
- A new pedestrian crossing under Groat Road
- Station added at 120 Street
- 118 Street Station being moved to 116 Street
Alignment / Stations – Stony Plain Road Business District

subject to change

Proposed Cross Section

Possible Cross Section

Centre Running LRT

Proposed Jasper Place Station

Potential Relocation of Jasper Place Transit Centre

Potential New Traffic Signal

Traffic Signal 197 Street

Intersection Improvement at 96 Street and 107 Avenue

www.edmonton.ca/LRTProjects
Stony Plain Road Business District

www.edmonton.ca/LRTProjects
Access – Stony Plain Road Business District

www.edmonton.ca/LRTProjects

subject to change
Alignment / Stations – Grovenor

www.edmonton.ca/LRTProjects

Centre Running LRT

subject to change
Glenora

www.edmonton.ca/LRTProjects
Access – Glenora

subject to change

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Alignment / Stations – Oliver

Centre Running LRT
Access – Oliver

www.edmonton.ca/LRTProjects

subject to change
Alignment / Stations – Downtown

www.edmonton.ca/LRTProjects

subject to change

Centre Running LRT
Access – Downtown
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 traffic 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 57.0 to 64.9 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
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SPR Business District to Downtown

Next Steps
Overall Process

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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
West LRT Information Session

SPR Business District to Downtown

www.edmonton.ca/LRTProjects

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
### Southeast LRT

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<td>November 24, 2010</td>
<td>Lewis Estates to Argyll Road</td>
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<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>SPR Business District to Downtown</td>
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[www.edmonton.ca/LRTProjects](http://www.edmonton.ca/LRTProjects)
Thank you!