Preliminary Design for Edmonton’s Southeast to West Light Rail Transit

September 24, 2012 - Area 4 - Strathearn to City Centre West
Tonight’s Agenda

- Meeting Purpose
- Public Involvement
- SE to West LRT Overview
- Preliminary Design – Area 4
- Next Steps
- Question and Answer
MEETING PURPOSE
Meeting Purpose

- To build upon input received from Stage 3 Public Involvement
- To present preferred preliminary design for Area 4 and other key components of route
- To present rationale for recommendations
- To receive feedback to help confirm the preferred preliminary design
- To respond to questions
**Conceptual Design:**
- 2009 - 2011 (Completed)

**City Council Approval of Concept Plan:**
- 2011 - 2012 (Completed)

**Public Involvement and Communication:**
- 2011 - 2013 (In Progress)

**Preliminary Design:**
- Completed in Fall 2013

**Detailed Design and Construction:**
- In Future
PUBLIC INVOLVEMENT
Public Involvement Process

Concept Planning: 2009 – 2011

Preliminary Design:
Stage 1 – Pre-Consultation – February 2012
Stage 2 – Initiation – March – May 2012
Stage 3 – Consultation – May – November 2012
Stage 4 – Refinement – September 2012 – June 2013
Stage 5 – Conclusion – January – December 2013
How Your Input is Used

- Public input:
  - Is valuable
  - Informs Preliminary Design along with other information
  - Has been incorporated into the materials presented tonight
<table>
<thead>
<tr>
<th>WHAT WE HEARD</th>
<th>WHAT WE HAVE DONE</th>
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<tbody>
<tr>
<td>* Confirmation of stop themes</td>
<td>* Stop themes presented tonight</td>
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<tr>
<td>* Preference for signature or contemporary river bridge—less visual impact</td>
<td>* Feedback along with technical and cost used to create shortlist of 3 for City Council decisions</td>
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<td>* Preference for organic shaped shelter canopy</td>
<td>* Organic shelter canopy will be used</td>
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<tr>
<td>* Value for pedestrian realm and LRT access</td>
<td>* Pedestrian access is priority—new and retained crossings on corridor plans</td>
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<tr>
<td>* Access to businesses and residences a priority</td>
<td>* New, retained and relocated accesses on corridor plans</td>
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<tr>
<td>* Bicycle parking is priority</td>
<td>* Bicycle parking located at all stops/stations</td>
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Stage 4 - What We Need From You

- Your feedback on the preferred preliminary design presented tonight
- Where possible, input will be incorporated into the recommended preliminary design that will be presented to you at Stage 5
  - SE to Downtown - February 2013
  - Downtown to West – Fall 2013
Tonight's Agenda

SE TO WEST LRT
SE to West LRT Facts

• 27 km route – Mill Woods to Lewis Farms
  • 3 stations and 25 stops
  • Integrated with 5 transit centres
  • 2 Park and Ride sites (Wagner, Lewis Farms)
  • Kiss ‘N’ Ride drop-off sites
• Vertical connection to existing LRT at Churchill Station
• Low floor technology – curb access, less infrastructure,
• “Edmonton” urban style
• Trains run on approximately 5 minute intervals
• Trains share traffic signals but not right-of-way
Approved Concept Plan Amendment

Original Concept Plan (2011)

Approved Amendment to Concept Plan (July 2012)
Connors Road Amendment

Concept Road Design

Alternative Road Design
Connors Road Pedestrian Bridge
TODAY'S AGENDA

PRELIMINARY DESIGN OVERVIEW – AREA 4
Basic Principles

• Stops/stations
  • Integration into neighbourhood
  • Good connections with bus network
  • Kiss ‘N’ Ride where possible
  • Bicycle parking at each stop/station
  • Infrastructure size based on ridership projections

• Community and business accesses are priority
  • Vehicle
  • Pedestrian
  • Bicycle

• Keep it green
Ongoing/Update

- Traction Power Sub Stations
  - Locations
  - Screening
- Travel time
- Property acquisition
  - As per concept plan
  - Additional
- Vehicle selection
- Track types
• Gates, lights and bells
• Noise/vibration studies
• Budget and Timeline
“Historic - neighbourhood is over 100 years old - integrate LRT with the mature look of it”

“Heritage theme for Strathearn stop”

Elements below reflect
What We Heard from Stage 3

BENCHES
- clean contemporary lines with historic flair

GARBAGE BINS
- match benches

RETAINING WALLS
- natural stone look

PAVING
- patterned paving stone (appearance)
- not grey

COLUMN WRAPS
- brick
- historic feel

RAILING
- simple lines
- visually permeable

Edmonton
Muttart Theme

"Francophone Theme/Folk Fest Theme/Muttart Theme – blend"

"...minimalistic and not take away from the look and feel of the River Valley itself"

Elements below reflect What We Heard from Stage 3

**Elements similar to these:**

- Benches: wood back and seats, simple
- Garbage bins: wood, simple
- Retaining walls: natural look
- Paving: natural look
- Column wraps: wood appearance
- Railing: unobtrusive

Edmonton
Quarters Theme

“An Oriental theme”

“Historic Chinatown”

Elements below reflect
What We Heard from Stage 3

Elements similar to these:

- Benches
  - metal with some curves

- Garbage Bins
  - metal with some curves

- Paving
  - paving stone look
  - not too fine a pattern

- Column Wraps
  - harmonize with river valley

- Railing
  - simple lines
  - visually permeable

Edmonton
Churchill Theme

“...inspiration from Churchill Square”

Elements below reflect What We Heard from Stage 3

ELEMENTS SIMILAR TO THESE:

BENCHES
- clean contemporary
- artistic feel
- wood seat

GARBAGE BINS
- wood clean
- contemporary lines

PAVING
- scored concrete
- textured

COLUMN WRAPS
- contemporary

RAILING
- contemporary
- highly permeable visually

Edmonton
Centre West Theme

“Consistent urban look and feel of downtown”

Elements below reflect
What We Heard from Stage 3

- Benches: metal, clean lines
- Garbage bins: metal, recycling
- Paving: scored concrete, textured
- Column wraps: contemporary stone and tile
- Railing: contemporary, permeable visually
Preferred Stop Canopy – Organic

- Steel Structure
- Metal and wood canopy
- Glass shelters
- Unique concrete finishing
- Preferred for residential areas
NEXT STEPS
Next Steps – SE to Downtown

- Incorporate any final comments into Preliminary Design
- Complete Preliminary Design
- Present recommended preliminary design to you – February 2013