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

September 20, 2012 - Area 3 – Argyll Road to Strathearn
Tonight’s Agenda

• Meeting Purpose
• Public Involvement
• SE to West LRT Overview
• Preliminary Design—Area 3
• Next Steps
• Question and Answer
MEETING PURPOSE
To build upon input received from Stage 3 Public Involvement

To present preferred preliminary design for Areas 3 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
# Project Schedule

## Where were we?

<table>
<thead>
<tr>
<th>Conceptual Design:</th>
<th>2009 - 2011 (Completed)</th>
</tr>
</thead>
<tbody>
<tr>
<td>City Council Approval of Concept Plan:</td>
<td>2011 - 2012 (Completed)</td>
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## Where are we going?

<table>
<thead>
<tr>
<th>Public Involvement and Communication:</th>
<th>2011 - 2013 (In Progress)</th>
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</thead>
<tbody>
<tr>
<td>Preliminary Design:</td>
<td>Completed in Fall 2013</td>
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<tr>
<td>Detailed Design and Construction:</td>
<td>In Future</td>
</tr>
</tbody>
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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
WHAT WE HEARD

• Confirmation of stop themes
• Preference for signature or contemporary river bridge—less visual impact
• Preference for organic shaped shelter canopy
• Value for pedestrian realm and LRT access
• Access to businesses and residences a priority
• Bicycle parking is priority

WHAT WE HAVE DONE

• Stop themes presented tonight
• Feedback along with technical and cost used to create shortlist of 3 for City Council decisions
• Organic shelter canopy will be used
• Pedestrian access is priority—new and retained crossings on corridor plans
• New, retained and relocated accesses on corridor plans
• Bicycle parking located at all stops/stations
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
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 Corridor

[Map of the approved corridor with major points labeled such as Jasper Place, 146th Street, 149th Street, 124th Street, 108th Street, 101st Street, and Churchill Quarter.]
Original Concept Plan (2011)

- Elevated LRT
- Wagner Stop
- Potential Redevelopment
- Underground LRT
- Surface LRT
- Operations & Maintenance Facility
- Park & Ride
- Transit Centre
- Whitemud Stop

Approved Amendment to Concept Plan (July 2012)

- Wagner Station
- Park & Ride
- Elevated LRT
- Potential Redevelopment
- Transit Centre
- Operations & Maintenance Facility
PRELIMINARY DESIGN OVERVIEW – AREAS 1 AND 2
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
  - Impacts
- Travel time
- Property acquisition
  - As per concept plan
  - Additional
- Vehicle selection
- Track types
• Gates, lights and bells
• Noise/vibration studies
• Budget and Timeline
73 Avenue Stop
73 Avenue Theme

“Natural - to reflect Mill Creek ravine that runs the length of this area”

“Small town atmosphere”

Elements below reflect What We Heard from Stage 3

ELEMENTS SIMILAR TO THESE:

**BENCHES**
- wood seats and backs
- clean simple lines
- curved

**GARBAGE BINS**
- recycle
- clean simple lines
- wood

**RETAINING WALLS**
- nice clean look
- segmented
- natural looking

**PAVING**
- natural stone appearance

**COLUMN WRAPS**
- simple lines
- either stone or wood appearance

**RAILING**
- simple lines
- highly permeable visually
Bonnie Doon Stop

Bonnie Doon Shopping Centre
Bonnie Doon Theme

“French theme around Bonnie Doon mall”

“Bonnie Doon - lots of history”

Elements below reflect
What We Heard from Stage 3

Elements similar to these:

**BENCHES**
- clean contemporary lines with historic flair

**GARBAGE BINS**
- match benches

**RETAINING WALLS**
- nice clean look
- segmented
- natural looking

**PAVING**
- cobblestone appearance

**COLUMN WRAPS**
- brick with cap

**RAILING**
- simple lines
- visually permeable
Holyrood Theme

“Natural environment as a theme – use natural colours and materials – no bright colours or shiny gold”

Elements below reflect What We Heard from Stage 3

Elements similar to these:
- Benches: clean simple lines with wood seats and backs
- Garbage bins: clean lines
- Retaining walls: keep natural in appearance
- Paving: linear pattern, possible exposed aggregate
- Column wraps: wood appearance, clean simple lines
- Railing: simple contemporary lines
Strathearn Stop
Strathearn Theme

“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

Elements similar to these:

- 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
Wagner Theme

Elements below reflect What We Heard from Stage 3

Elements similar to these:
- Benches
- Garbage bins
- Retaining walls
- Paving
- Column wraps
- Railing
Preferred Stop Canopy – Organic

- Steel Structure
- Metal and wood canopy
- Glass shelters
- Unique concrete finishing
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
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QUESTIONS