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

September 19, 2012 - Area 1 - Mill Woods Town Centre to Whitemud
Area 2 - Whitemud to Argyll
Tonight’s Agenda

• Meeting Purpose
• Public Involvement
• SE to West LRT Overview
• Preliminary Design—Areas 1 and 2
• Next Steps
• Question and Answer
MEETING PURPOSE
To build upon input received from Stage 3 Public Involvement

To present **preferred preliminary design** for Areas 1 and 2 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
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<th>Phase</th>
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<th>Status</th>
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<td>Completed</td>
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<td>City Council Approval of Concept Plan</td>
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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
What We Heard – Stage 3

- Confirmation of stop themes (exception Millbourne)
- 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
- Stop themes presented tonight
- Modified Millbourne from “Asian” to “Park”
- 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
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 Corridor
Original Concept Plan (2011)

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

Approved Amendment to Concept Plan (July 2012)

- Elevated LRT
- Wagner Station
- Park & Ride
- 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
Ongoing/Update (continued)

- Gates, lights and bells
- Noise/vibration studies
- Budget and Timeline
Mill Woods Stop Site Plan
“Trees go with the name Mill Woods – big and small trees and lots of them.”

“Simple, minimalist theme – contemporary.”

Elements below reflect What We Heard from Stage 3
Grey Nuns Theme

“Statue of a nun.”
“Colours could be used to designate locations – colour themes in each station.”
“Sign of H to indicate hospital station.”

Elements below reflect What We Heard from Stage 3
“Lots of trees – forest, park.”

Elements below reflect What We Heard from Stage 3

Elements similar to these:

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

- **GARBAGE BINS**
  - recycling
  - simple lines

- **RETAINING WALLS**
  - natural
  - segmented

- **PAVING**
  - rustic paving stone appearance

- **COLUMN WRAPS**
  - stone

- **RAILING**
  - simple lines
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
North Saskatchewan River Bridge

Option 1 - Cable stayed bridge looking Northwest

Option 2 - Extradosed bridge looking Northwest

Option 3 - Variable box girder bridge looking Northwest
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