Public Information Session

Valley Line West LRT will play an essential role in connecting Edmonton’s communities. With recent funding from the provincial and federal governments, we are preparing for upcoming construction.

Building on the original concept plan that was approved in 2012 and the initial preliminary design completed in 2013, the Valley Line West project team has been refining the design with the help of significant public engagement over the past two years.

In today’s session, we share the approved concept plan revisions and updated preliminary design. Display boards contain some of the highlights, while details are contained in roll plans and updated information booklets.
• 14-kilometre route selected to connect areas of present and future density

• 14 street-level stops and two elevated stations

• Transit centres at Jasper Place, West Edmonton Mall & Lewis Farms

• Park & Ride at Lewis Farms

• Travel time approximately 35 minutes from Lewis Farms to downtown

• Trains every 5 minutes during peak periods

Alignment at Stony Plain Road / 156 St
• 90-degree turn; retain existing Jasper Place Transit Centre

LRT crossing at 87 Ave / 178 St
• Crossing to be elevated

124 St stop
• Location adjusted
Valley Line West LRT

Edmonton's future LRT network
New urban-style, low-floor LRT

- Low-floor LRT vehicles can be boarded from platforms that are close to sidewalk height
- The LRT runs alongside traffic and is controlled by intersection traffic signals
- Stop platforms are integrated with enhanced pedestrian crossings for safe accessibility
- With frequent stops, LRT access is within walking distance for more people
- Urban-style design minimizes barriers at stops for better integration into communities

Rendering of a typical Valley Line LRT stop (pictured: Alex Decoteau stop)
## Project History

**2000 - Corridor Selection**
- In January, 2000, City Council approved the pilot West LRT Concept Plan.

**2001 - Preliminary Design**
- Public input in the selection of the corridor granted the public a greater understanding of benefits and impacts of LRT. From May 30 to December 20, 2000, the public attended two public workshops and two public information meetings, and provided 525 comments or the availability of LRT. Feedback was used to select the corridor that was used in the project's team's alignment study and on which the final LRT alignment study was based.

**2002 - Concept Planning**
- In January 2002, City Council approved the West LRT Concept Plan.

**2003 - Construction**
- On April 16, 2003, the City Council approved the preliminary design for the West LRT pilot project. On November 9, 2003, the City Council approved the preliminary design for the West LRT pilot project. On May 14, 2004, the City Council approved the West LRT construction program.

**2004 - Preliminary Design**
- On November 9, 2004, City Council approved the preliminary design for the West LRT pilot project. On May 14, 2004, City Council approved the construction program.

**2005 - Construction**
- On April 16, 2005, City Council approved the preliminary design for the West LRT pilot project. On November 9, 2005, the City Council approved the West LRT construction program.

**2006 - Construction**
- On April 16, 2006, City Council approved the preliminary design for the West LRT pilot project. On November 9, 2006, the City Council approved the West LRT construction program.

**2007 - Construction**
- On April 16, 2007, City Council approved the preliminary design for the West LRT pilot project. On November 9, 2007, the City Council approved the West LRT construction program.

**2008 - Construction**
- On April 16, 2008, City Council approved the preliminary design for the West LRT pilot project. On November 9, 2008, the City Council approved the West LRT construction program.

**2009 - Construction**
- On April 16, 2009, City Council approved the preliminary design for the West LRT pilot project. On November 9, 2009, the City Council approved the West LRT construction program.

**2010 - Construction**
- On April 16, 2010, City Council approved the preliminary design for the West LRT pilot project. On November 9, 2010, the City Council approved the West LRT construction program.

**2011 - Construction**
- On April 16, 2011, City Council approved the preliminary design for the West LRT pilot project. On November 9, 2011, the City Council approved the West LRT construction program.

**2012 - Construction**
- On April 16, 2012, City Council approved the preliminary design for the West LRT pilot project. On November 9, 2012, the City Council approved the West LRT construction program.

**2013 - Construction**
- On April 16, 2013, City Council approved the preliminary design for the West LRT pilot project. On November 9, 2013, the City Council approved the West LRT construction program.

**2014 - Construction**
- On April 16, 2014, City Council approved the preliminary design for the West LRT pilot project. On November 9, 2014, the City Council approved the West LRT construction program.

**2015 - Construction**
- On April 16, 2015, City Council approved the preliminary design for the West LRT pilot project. On November 9, 2015, the City Council approved the West LRT construction program.

**2016 - Construction**
- On April 16, 2016, City Council approved the preliminary design for the West LRT pilot project. On November 9, 2016, the City Council approved the West LRT construction program.

**2017 - Construction**
- On April 16, 2017, City Council approved the preliminary design for the West LRT pilot project. On November 9, 2017, the City Council approved the West LRT construction program.

**2018 - Construction**
- On April 16, 2018, City Council approved the preliminary design for the West LRT pilot project. On November 9, 2018, the City Council approved the West LRT construction program.

**2019 - Construction**
- On April 16, 2019, City Council approved the preliminary design for the West LRT pilot project. On November 9, 2019, the City Council approved the West LRT construction program.

**2020 - Construction**
- On April 16, 2020, City Council approved the preliminary design for the West LRT pilot project. On November 9, 2020, the City Council approved the West LRT construction program.

**2021 - Construction**
- On April 16, 2021, City Council approved the preliminary design for the West LRT pilot project. On November 9, 2021, the City Council approved the West LRT construction program.

**2022 - Construction**
- On April 16, 2022, City Council approved the preliminary design for the West LRT pilot project. On November 9, 2022, the City Council approved the West LRT construction program.

**2023 - Construction**
- On April 16, 2023, City Council approved the preliminary design for the West LRT pilot project. On November 9, 2023, the City Council approved the West LRT construction program.

**2024 - Construction**
- On April 16, 2024, City Council approved the preliminary design for the West LRT pilot project. On November 9, 2024, the City Council approved the West LRT construction program.

**2025 - Construction**
- On April 16, 2025, City Council approved the preliminary design for the West LRT pilot project. On November 9, 2025, the City Council approved the West LRT construction program.
Elevated crossing at 178 Street

How we got here

- Under the 2013 design, the LRT track would have ramped down from the elevated West Edmonton Mall station to cross 178 Street at ground level
- The review process considered the potential impact of a level crossing on 178 Street traffic and LRT run-time, pedestrian connectivity, visibility from nearby properties, cost/constructability and public input

- With the new design:
  - the track will remain elevated from the West Edmonton Mall station to cross 178 Street on a median alignment to mitigate visual impacts on properties south of 87 Avenue
  - the LRT will ramp down to ground level just east of 182 Street
  - traffic flows at the 178 Street / 87 Avenue intersection will remain unaffected
What’s new

Valley Line West
Lewis Farms - Downtown

Stony Plain Road at 156 Street

How we got here

• In the 2013 design, the LRT track would have taken a diagonal path across the south-east corner of Stony Plain Road and 156 Street, with a stop located adjacent to a relocated Jasper Place Transit Centre

• The review process considered space constraints, traffic impacts, local property impacts and public input, leading to a revised design

• With the new design:
  • the transit centre will remain at its current location
  • the LRT track will follow the roadway
  • the stop will be located on the west side of 156 Street for convenient transfers
  • there is better potential for future transit-oriented development
What’s new

124 Street Stop

How we got here

• The 2013 design placed the westbound LRT stop on the west side of 124 Street, with the eastbound stop on the east side of 124 Street.

• The review process determined it would be necessary to shift the stop one block to the east to achieve a level platform while maintaining an appropriate height in relation to the adjacent roadway and properties.

• This arrangement was found to:
  • have the least impact on nearby properties
  • ensure that the 124 Street business area would continue to be well-served
  • support transit-oriented development.
Lewis Farms Park & Ride

**Synopsis:**

**Approvals:**
- Amendment to Potter Greens Neighbourhood Structure Plan to permit expansion of Park & Ride was approved by City Council in November 2018
- Assurances were provided that the light rail vehicle storage facility will be landscaped to provide screening for adjacent communities

**Changes to the existing Park & Ride will:**
- Integrate a new LRT stop adjacent to the existing transit centre
- Expand the Park & Ride area (which currently has approximately 600 stalls developed) to accommodate 900 vehicles in total
- Provide for passenger drop-off beside the LRT platform
- Add a sidetrack and building to provide storage and light maintenance for LRT vehicles
- Add a paved connections for pedestrians and cyclists between the Transit Centre, LRT stop and the Potter Greens neighbourhood
- Protect the Muskakosi Natural Area
- Allow future transit-oriented development in the area
Other updates

Environmental Impact Assessments (EIA)

Synopsis

- Due to requirement for new, wider, bridge at Groat Ravine and slight roadway / sidewalk widening at MacKinnon Ravine, assessments were performed at these locations
- Impacts were determined to be minor at Groat Ravine and negligible at MacKinnon Ravine with mitigation to include wildlife protection measures and replanting with native species
- Public comments on the EIA generally accepted the assessment, which was approved by City Council November 6, 2018
Valley Line West LRT

Conceptual rendering of 87 Avenue elevated guideway
Valley Line West LRT

Conceptual rendering of West Edmonton Mall Station
Valley Line West LRT

Conceptual Rendering
Valley Line West LRT

Conceptual Rendering
Next steps

Valley Line West
Lewis Farms - Downtown

2019
• Procurement:
  • Request for Qualifications (RFQ) was issued in March
  • Request for Proposals (RFP) to be issued to short-listed proponents
• Pre-construction preparation including:
  • “Early works” including building removals on acquired property and utility relocations
  • Pre-construction condition assessments for neighbouring properties

2020
• Anticipated start of LRT construction
Thank you

While the concept plan has now been approved and the preliminary design is complete, we welcome your concluding thoughts on the preliminary design.

FURTHER INFORMATION AND CONTACT
- Visit us at www.edmonton.ca/valleylinewest
- Email us at LRTprojects@edmonton.ca
- Contact the LRT Projects Information Centre by phone at 780-496-4874