



Green Line Update (Verbal)

C2025-0133

January 27, 2025

CITY OF CALGARY
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IN COUNCIL CHAMBER
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ITEM: 12-2.1 C2025-0133
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CITY CLERK'S DEPARTMENT

Previous Council Direction

- 17 September 2024 – Regular Council
- 8 October 2024 – Council at Public Hearing
- 26 November 2024 – Regular Council
- 17 December 2024 – Regular Council
- 14 January 2025 – Council at Public Hearing



Recommendations

1. Endorse the shared common vision between the City of Calgary and the Government of Alberta for a south-to-north Light Rail Transit (LRT) program in the City of Calgary that extends from 160th Avenue North through the downtown on 2 Street SW to Seton in the Southeast, which includes:
 - a) Connection to the Red and Blue Lines;
 - b) Connection to the new event centre; and
 - c) Allows for a future connection between south and north legs of the LRT.

2. Direct Administration to implement a concurrent development process for delivery of a south-to-north LRT program, as follows:
 - a) SE Segment: Shepard to Event Centre/Grand Central Station – Begin construction in 2025 and
 - b) Downtown Segment: Event Centre/Grand Central Station through Downtown – Begin Functional Plan in 2025.

3. Direct Administration to work with the Government of Alberta to submit an updated business case to the Government of Canada by February 14, 2025. The business case will be for the proposed concurrent development of the SE and Downtown Segments in order to secure the federal funding based on requirements of the Investing in Canada Infrastructure Program (ICIP) grant.



4. Upon confirmation of ICIP funding for the SE and Downtown Segments, direct Administration to begin construction in 2025 for all required project elements for an operational LRT system for the SE Segment, including but not limited to:
 - a) Track;
 - b) Stations;
 - c) LRT Systems;
 - d) Bridges;
 - e) Maintenance and storage facility; and
 - f) Delivery of the Light Rail Vehicles.

5. Direct Administration to immediately undertake the Functional Plan for the Downtown Segment of the LRT from Event Centre/Grand Central Station through Downtown. The Functional Plan will include but not be limited to:
 - a) Advancing design;
 - b) Validating the cost estimate;
 - c) Engagement and collaboration from stakeholders and community members;
 - d) Flooding and Stormwater impacts;
 - e) Noise and Vibration;
 - f) Property Impacts: access/egress and assessed value impacts;
 - g) Safety impacts: crime prevention through environmental design (CPTED) considerations;
 - h) Traffic modeling and traffic impacts; and
 - i) Transit system underlying service impacts.

With reporting back directly to Council with the results of the Downtown Segment Functional Plan no later than the end of Q4 2026, with updates directly to Council quarterly or as required at the discretion of Administration.

Recommendations (continued)

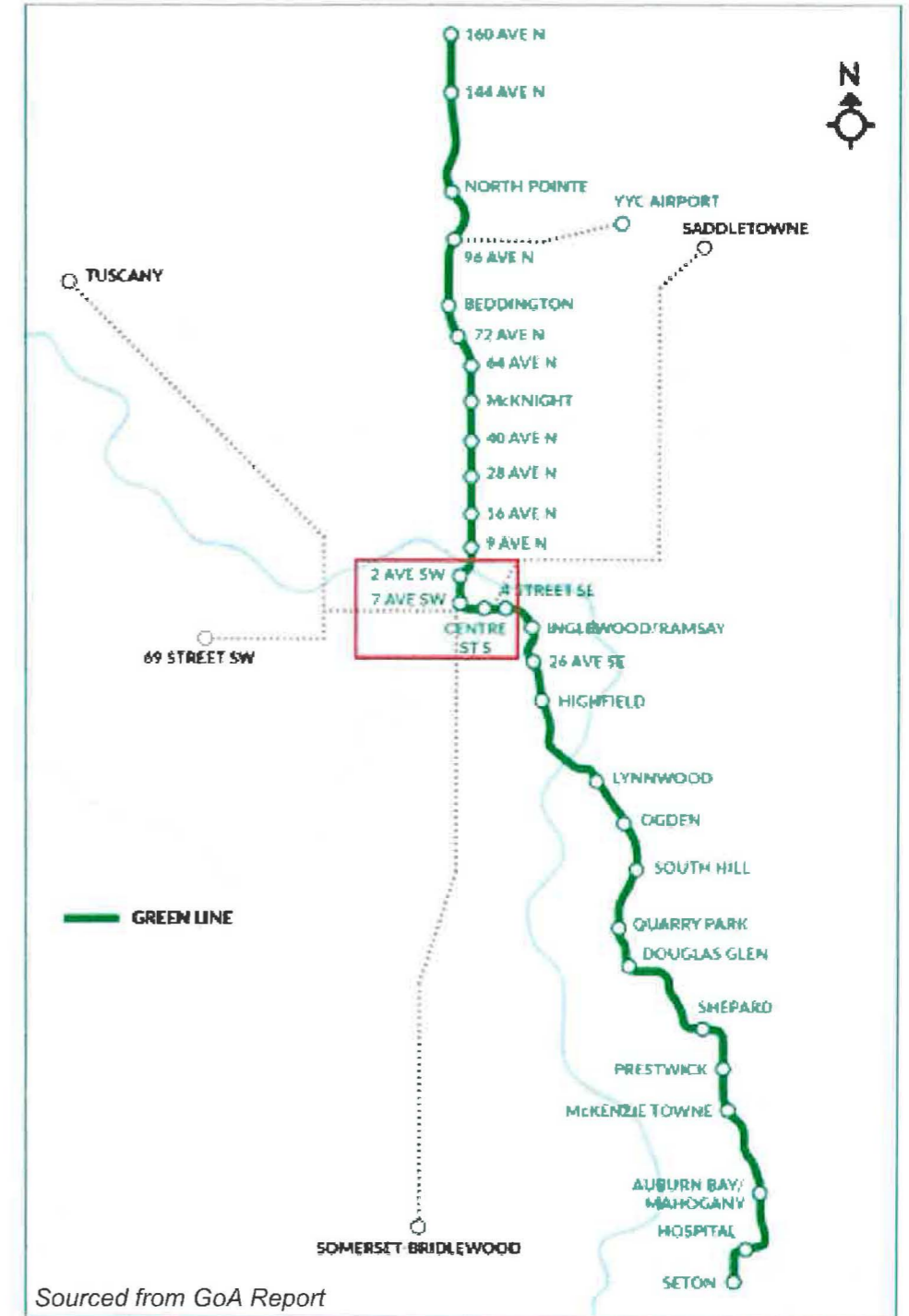
6. Following the completion of the Downtown Segment Functional Plan work, including the validation of the Government of Alberta cost estimate, and with broad project support from Calgarians and Stakeholders, seek Council direction to initiate construction including enabling works in 2027.
7. Once construction on the Downtown Segment has been initiated, direct administration to undertake the Preliminary Design for the south-to-north LRT program from:
 - a) Shepard to Seton; and
 - b) Downtown to 160 Avenue North.
8. Direct Administration to collaborate with the Government of Alberta to establish a program governance and delivery oversight committee comprised of equal representation from the Government of Alberta and the City of Calgary.
9. Direct Administration to advise the Government of Canada and the Government of Alberta of Council's approval of the recommendations in this report.
10. Direct that the Confidential Distributions #1, #2 and #4, Distributions #3 and #5 and Closed Meeting discussions be held confidential pursuant to Sections 16 (Disclosure harmful to business interests of a third party), 17 (Disclosure harmful to personal privacy), 21 (Disclosure harmful to intergovernmental relations), 24 (Advice from officials), 25 (Disclosure harmful to economic and other interests of the public body) and 27 (Privileged Information) of the *Freedom of Information and Protection of Privacy Act*, to be reviewed by 31 December 2039.



Shared Interests

“The common vision of a Green Line that extends from 160th Avenue North to Seton in the Southeast and proceeding to construction on the first phase as early as possible in 2025.”

From GoA/CoC Working Group





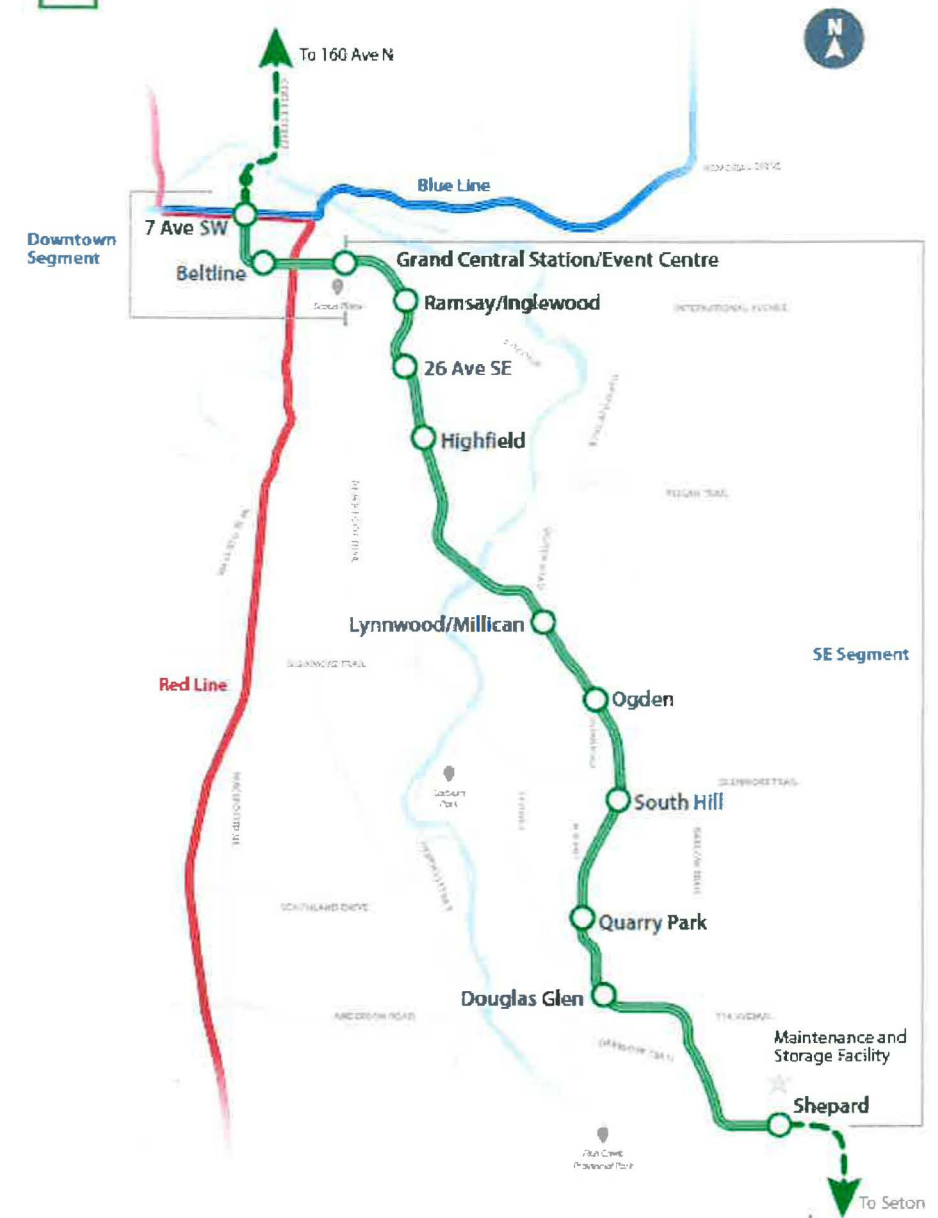
SE Segment

- Design development has continued past 60% in partnership with the GoA
- Tender packages are currently being prepared to send to the construction market in 2025
- LRV fabrication is underway and preparing for delivery in 2027

Downtown Segment

- 5% Conceptual design and cost estimate completed by GoA
- Confirmed 2 Street SW was the preferred location for North/South LRT in the Downtown
- GoA Report identified a number of next steps to move forward from Conceptual to Functional Plan

G Green Line LRT

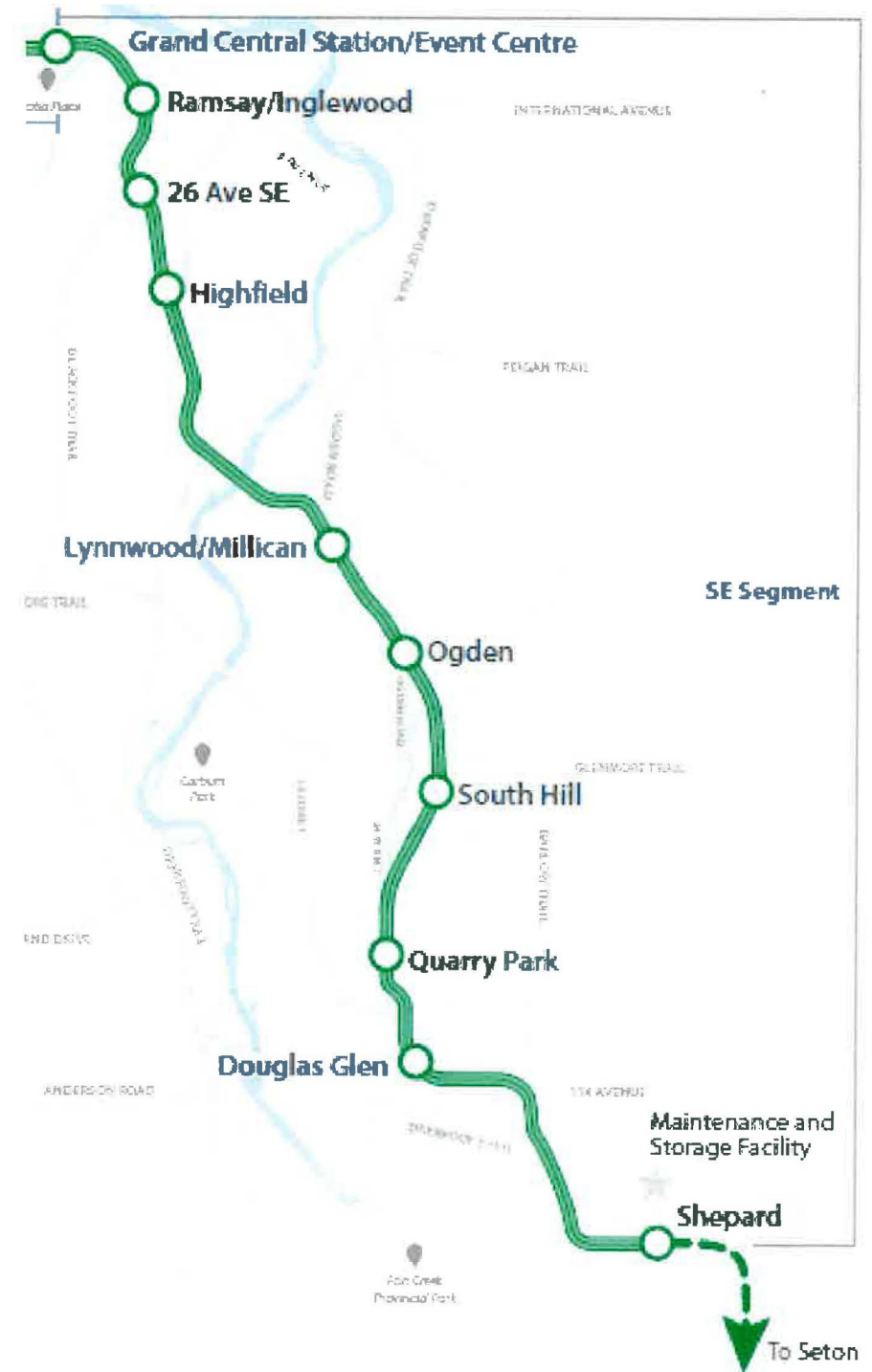




Concurrent Development

SE Segment

- Issue shovel ready tender packages in 2025
- Complete detailed design from Shepard to Event Centre/Grand Central Station including:
 - 16km of Track
 - 10 Stations
 - Maintenance and Storage Facility
 - Park and Ride Facilities
- Prepare to issue additional tender packages in late 2025/early 2026
- Prepare for delivery of Light Rail Vehicles in 2027





Downtown Segment

Government of Alberta’s Conceptual Report and supplementary information identified next steps to move forward with the Functional Plan from Event Centre/Grand Central Station to Downtown which will include:

- Engagement and collaboration from stakeholders and community members
- Advancing design
- Validating the cost estimate
- Flooding and Stormwater impacts
- Noise and Vibration impacts
- Property Impacts: access/egress and assessed value impacts
- Safety impacts: crime prevention through environmental design (CPTED) considerations
- Traffic modeling and traffic impacts
- Transit system underlying service





Council Approved Project (Lynnwood/ Millican to Downtown) July 2024

Total Cost- \$6,248M

Provincial Cost Estimate (Shepard to Downtown) December 2024

Total Cost - \$6,236M*

*City identified an additional \$1,290M in estimated cost & risk (Dec 2024 C2024-1327) 100% City funded, if materializes and no other support provided



Key Risks

- Community and Stakeholder Engagement identifies similar issues raised by the CoC to the GoA
- Validating the Provincial Cost Estimate identifies gaps exceeding the available funding
- Retaining funding commitments made through the Investing Canada Infrastructure Program





Program Schedule

2025

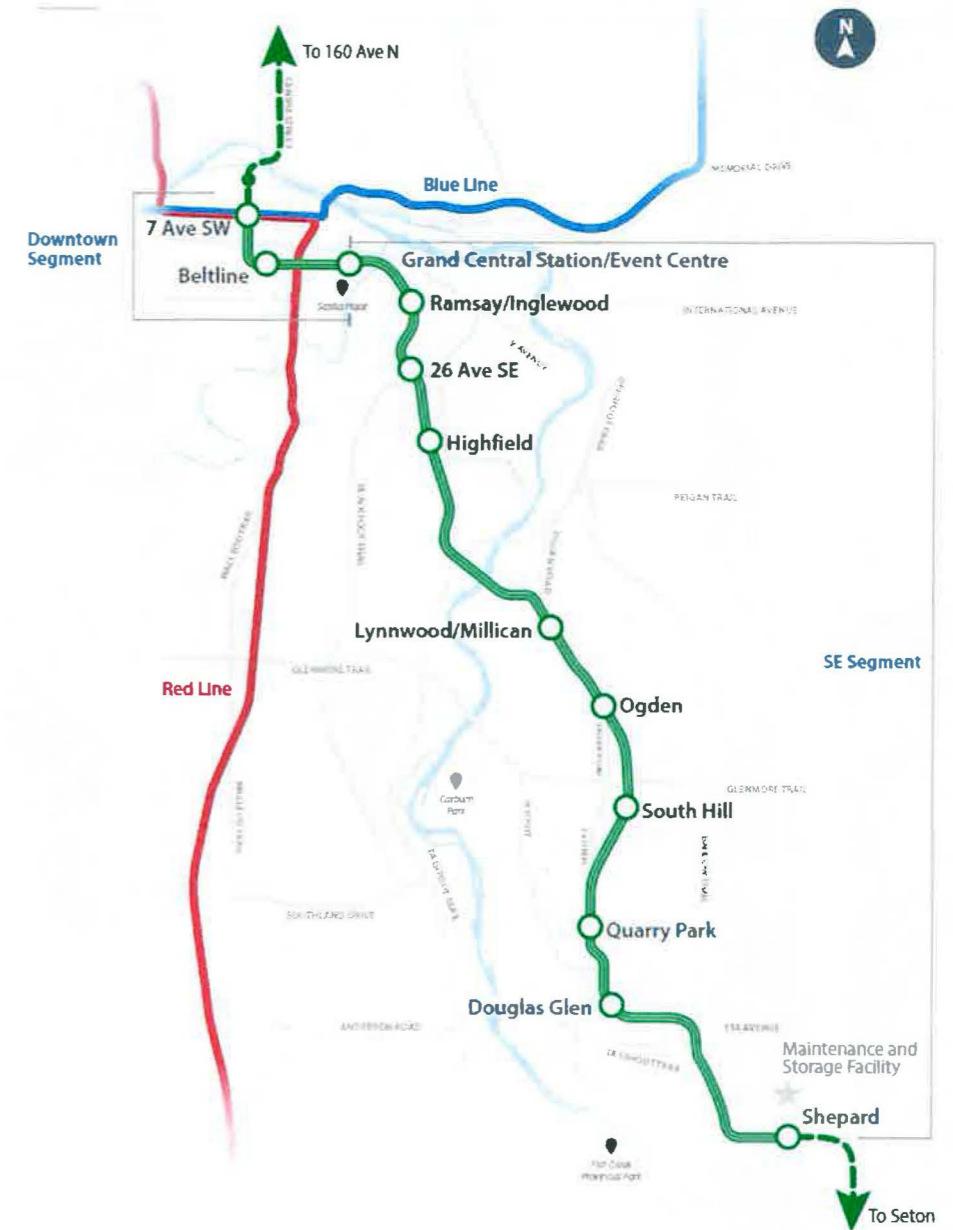
- Submit updated Business Case for approval to the GoA and GoC
- Multiple tender packages released to construction market
- Shovels in the Ground on SE Segment
- Start Functional Plan for Downtown Segment

2026

- Construction in the SE Segment continues
- Functional Plan for the Downtown Segment completed

2027

- Construction in the SE Segment continues
- Construction in the Downtown Segment begins
- Light Rail Vehicle Delivery begins





Business Case

- Submit updated Business Case for approval from Shepard to Downtown to the GoA and GoC by Feb 14, 2025

Construction

- Following approval of business case finalize tender packages
- Issue tender packages to the construction Market in 2025
- Shovels in the Ground in the SE Segment

Functional Plan

- Start the Downtown Functional Plan, to be completed by the end of 2026

January 28 - Calgary City Council decision:

- Shovels in the ground in 2025
- Connecting in Downtown
- Partnering with the Province

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