



Bulletin

December 8, 2021

City of Edmonton – Capital Line South LRT extension: Century Park to Ellerslie Road – New Procurement to Launch in 2022

The City of Edmonton will launch a new Design-Build (DB) procurement process to deliver the Capital Line South LRT extension in early 2022.

Disclaimer

This Bulletin, and all comments included within, are intended as a summary and reference of the Capital Line South extension Phase 1 (Century Park to Ellerslie) Light-Rail Transit (“LRT”) project.

Edmonton’s LRT Network

The City of Edmonton is expanding its LRT network. Aligned with the City’s long-term LRT Network Plan (2009), future LRT extensions will maximize passenger convenience and be fully accessible, safe, efficient and environmentally sustainable. They will also support the City’s continuing economic prosperity serving, and in turn being served by, transit-oriented land use policies.

The City is now looking to extend the Capital Line from its southern terminus at the Century Park LRT station to the Heritage Valley Park & Ride at Ellerslie Road.



Figure 1: Capital Line South Extension Map



Figure 2: LRT Network Plan Map

Background

The Capital Line South extension is a 4.5-km high-floor, light-rail transit service that will run from the Century Park station (the current terminus) to the new Ellerslie station (see Figure 1). It is an extension of the existing 21-km Capital Line that currently operates between Clareview and Century Park. Preliminary design for the extension was completed in 2020.

Phase 1 (Century Park to Ellerslie)

Phase 1 of the Capital Line South project will extend LRT service south of Century Park and includes the following:

- 4.5-km extension south of Century Park station to Ellerslie Road;
- One new at-grade LRT station at Twin Brooks;
- One new elevated LRT station at Ellerslie Road including the elevated guideway;
- Underpass at 23 Avenue crossing;
- Two bridges over Blackmud Creek and Anthony Henday Drive;
- New LRT Operations and Maintenance Facility;
- 24 light-rail vehicle procurement;
- Expansion of the existing Heritage Valley Park & Ride from approximately 1,100 stalls to 1,900 stalls;
- Utility relocation and protection;
- Power supply including power distribution, overhead catenary, and traction power substations;
- Train and signal control systems;
- Communications systems; and
- Environmental mitigation.

The City will procure light-rail vehicles separately, and is currently exploring options related to this approach.

Budget and Funding

The total budget for this project is estimated at approximately \$1.025 billion including detailed design, construction, LRVs, project management and administration. The construction costs for this project are anticipated to be in the range of \$600M. Funding has been secured from the Government of Alberta and the City of Edmonton, with approval of Federal funding anticipated from the Treasury Board in Q1 2022.

Project Delivery Approach

A Design-Build delivery method has been selected for this project. This delivery approach was selected to assist with cost and schedule certainty, as well as to encourage innovation. The Project will also undertake an enabling works package in 2022 to reduce schedule risk and facilitate the work of the Design-Build contractor.

Proposed Schedule

Following Federal funding approval, the City will advance the procurement process. The procurement will involve a Request for Qualifications (RFQ) to shortlist candidates, followed by a Request for Proposal (RFP) process. The City intends to launch the RFQ process in Q1 2022. The Project is anticipated to reach completion in late 2027 in line with the Investing in Canada Infrastructure Program funding.

Procurement

The Alberta Purchasing Connection (APC) is the official online source of City of Edmonton procurement opportunities for all suppliers and contractors. The City uses [SAP Ariba](#), a web-based tool used for procurement, contract and invoice management processes.

Additional Information

Additional project details can be found at https://www.edmonton.ca/projects_plans/transit/capital-line.

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