

City of Edmonton – Metro Line Northwest LRT Phase 1 (NAIT to Blatchford)

Preparing for RFQ Launch

April 2019

Disclaimer

This Project Brief and all comments included within are intended as a summary and reference of the Metro Line Northwest LRT Phase 1 (NAIT to Blatchford) Light Rail Transit (“LRT”) project.

Edmonton’s LRT Network

The City of Edmonton is expanding its LRT network. Per 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 expand the Metro Line from its current terminus at the temporary NAIT LRT station through the Blatchford redevelopment lands.

Metro Line NW LRT Extension Background

The Metro Line NW LRT, located in Edmonton, Alberta, is a high floor, urban style light rail transit (LRT) line that will ultimately extend from Churchill LRT Station in downtown Edmonton northwest to and potentially through the City of St. Albert. It currently runs from Churchill Station to the temporary NAIT Station. The next phase of construction will extend the system through the Blatchford Redevelopment. (see Figure 1).



Figure 1: Metro Line NW LRT Extension Map

Metro Line NW LRT Phase 1 (NAIT to Blatchford)

This Metro Line NW LRT Phase 1 (NAIT to Blatchford) project will extend LRT service through Blatchford and includes the following construction:

- Approximately 1.6 km of double track extension;
- Two new permanent 5-car LRT stops;
- Decommissioning the existing temporary NAIT LRT station;
- A 45-car LRV storage and light cleaning facility in the Montrose Neighbourhood;
- Minor modifications to existing LRT facilities;
- Utility installation and relocation including sewer mains, water services, power supply and communications infrastructure;
- Power distribution including overhead catenary and traction power substations;
- Communications systems including train control and signalling; and
- Environmental mitigation.

The City will acquire light rail vehicles for the project under a separate procurement in the future.

Budget and Funding

The total budget for this project is estimated at approximately \$328 million including detailed design, construction, LRVs, project management and administration. Funding has been secured from the Government of Canada and Government of Alberta with a 40/40/20 split (Government of Canada - ICIP Public Transit Stream/Government of Alberta - Climate Leadership Plan/City of Edmonton).

Project Delivery Approach

A Construction Management at Risk (CMAR) model is being used allowing the City, the Owner's Engineer (OE) team and the Construction Manager to collaborate, innovate and optimize project delivery. The Construction Manager will be procured prior to the commencement of detailed design.

The OE team is Metro North Partners (MNP). The OE was procured in 2017 and consists of Stantec, WSP, and a number of other subconsultants. Preliminary engineering is currently being completed as part of the procurement readiness phase.

Additional Information

Additional project details can be found at www.edmonton.ca/MetroNW . Specific questions can be emailed to [Lisa Mykituk <lisa.mykituk@edmonton.ca>](mailto:lisa.mykituk@edmonton.ca).