



Green Line Board Report Q2 2023

Executive Committee Meeting

May 23, 2023





Recommendation

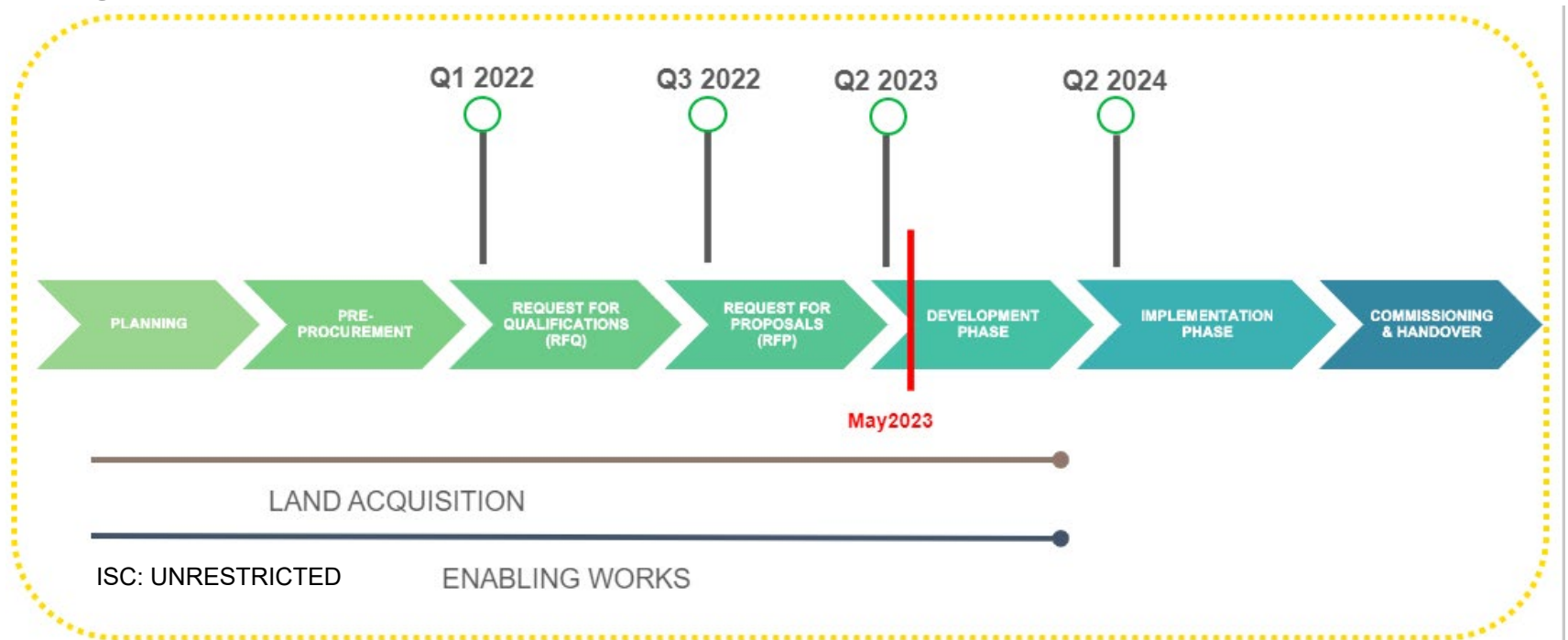
That Executive Committee of Council:

1. Receive this report for the Corporate Record; and
2. Direct that Attachment 3 remain confidential pursuant to Sections 24 (Advice from officials), 25 (Disclosure harmful to economic and other interests of a public body), and 27 (Privileged information) of the Freedom of Information and Protection of Privacy Act, not to be released.



Highlights

- Bow Transit Connectors announced as Development Partner
- RFP for 78 Avenue Project released
- Delivery Partner (CSIX) onboarded
- Agreement with Harvard Developments





Bow Transit Connectors (BTC) announced as Green Line's Development Partner.



BTC will leverage their expertise in underground, above-ground structures, and LRT design and construction to deliver Phase 1 of the Green Line LRT Project by bringing together:

- Barnard Constructors of Canada, LP
- Flatiron Constructors Canada Ltd
- WSP Canada Inc

EllisDon Capital Inc. will serve as BTC's financial advisor.



Development Phase

- » The Development Phase will be a 16-month negotiation between Green Line and BTC to progress design, agree on project costs, risks, and overall schedule, before signing the Project Agreement.
- » The Implementation Phase remains on track to begin in 2024.
- » BTC is selecting subcontractors, for review by Green Line
 - » Agreements secured with Delve Underground, Platinum Engineering Ltd, Egis, IBI, GEC Architecture and Architecture 49.
 - » Agreements are being finalized with the local contracting community.









Delivery Partner

CSIX Partners joined Green Line in Fall 2022, following a competitive RFP process:

- ❖ CANA Construction
- ❖ SNC-Lavalin
- ❖ Aldea Services Inc.
- ❖ Mott MacDonald
- ❖ Turner & Townsend
- ❖ Altus Group

CSIX supplements our team across a range of project functions, including commercial management, technical support, project controls, and construction management.

G Project Dashboard

Health & Safety		<ul style="list-style-type: none"> • There were six property damage incidents from January to March 2023. The root causes of these incidents include incorrect utility locates, not following procedures, and physical condition of historical infrastructure.
Environment		<ul style="list-style-type: none"> • As part of the land acquisition process, the site-specific limited Environmental Site Assessments (ESA) are complete.
Stakeholder Relations		<ul style="list-style-type: none"> • 27 construction notices sent to more than 121 stakeholders in Beltline and Downtown from January – March. • More than 600 calls, meetings, and on-site visits, 77 key stakeholder/partner meetings and 3 information sessions.
Schedule		<ul style="list-style-type: none"> • Phase 1 DBF-DP RFP activities are on schedule. • BDURP construction key milestones on schedule.
Cost		<ul style="list-style-type: none"> • Green Line continues to proactively monitor program costs. • Appropriate mitigation measures for key risks continue to be identified and implemented.
Quality		<ul style="list-style-type: none"> • Program Quality Management Plan implementation continued with ongoing oversight of design quality management, BDURP construction works, and LRV Supply project quality compliance



Financial Summary

Category	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
Owner's Cost	\$1,170,394	\$1,159,237	\$1,723,593	\$1,250,023	\$1,013,723	\$1,830,369
Design & Engineering	\$2,833,345	\$1,872,764	\$3,083,457	\$1,193,275	\$2,194,221	\$6,619,612
Construction, Land & Other Assets	\$6,331,012	\$2,045,927	\$15,698,965	\$1,310,370	\$1,867,515	\$12,555,911
Bus Rapid Transit	\$989	\$24,246	\$91,839	\$0	\$137	\$2,350
Grand Total	\$10,335,740	\$5,102,174	\$20,597,855	\$3,753,669	\$5,075,595	\$21,008,241

Table 1 – Green Line Previous 6-month Spend Rate

Category	Committed Cost	Cost to Date	Cost Year to Date
Owner's Cost	\$84,538,702	\$84,060,232	\$4,094,114
Design & Engineering	\$296,928,260	\$278,506,342	\$10,007,107
Construction, Land & Other Assets	\$541,367,826	\$471,496,719	\$15,733,796
Bus Rapid Transit	\$4,646,940	\$4,645,783	\$2,487
Grand Total	\$927,481,728	\$838,709,076	\$29,837,504

Table 2 – Financial Summary as of March 31, 2023



Risk Mitigation

Cost & Schedule

- Continued assessment of market changes
- DBF with Development Phase on track

Land

- Southeast land acquisition near completion
- Focus on land acquisition in the Beltline and Downtown to maintain project schedule

Construction

- Utility relocation in Beltline and Downtown is ongoing in busy traffic corridors
- Proactive engagement with stakeholders and notification of upcoming construction impacts

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Downtown active and upcoming construction

- ① TELUS Utility Relocation
- ② ENMAX Utility Relocation
- ③ ENMAX Utility Relocation
- ④ ENMAX Utility Relocation
- ⑤ TELUS Utility Relocation
- ⑥ Bell/Zayo Utility Relocation
- ⑦ ENMAX & TELUS Utility Relocation
- ⑧ ENMAX Utility Relocation
- ⑨ ENMAX Utility Relocation

Legend

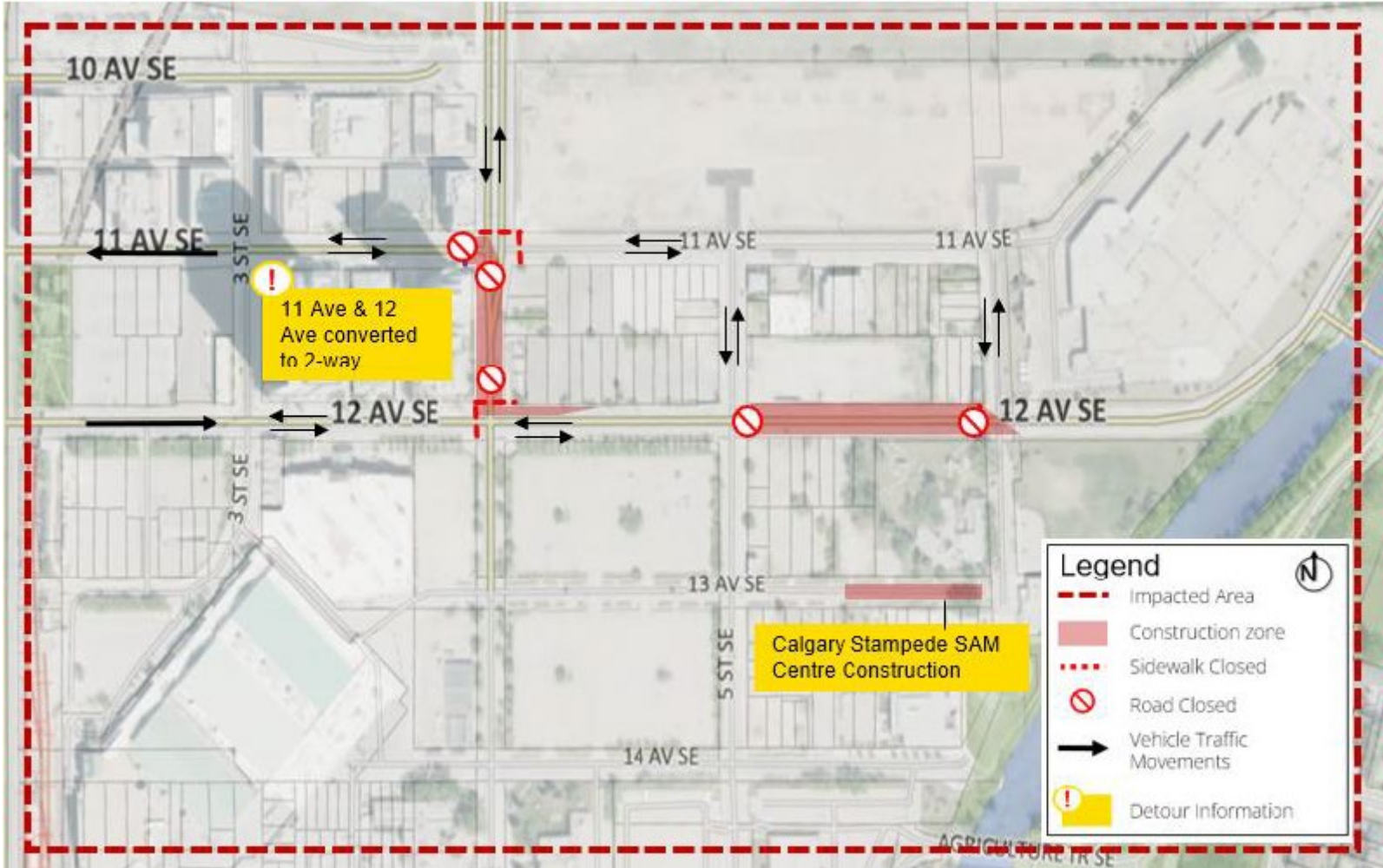
-  Impacted Area
-  Active Construction
-  Upcoming Construction



ISC: UNRESTRICTED



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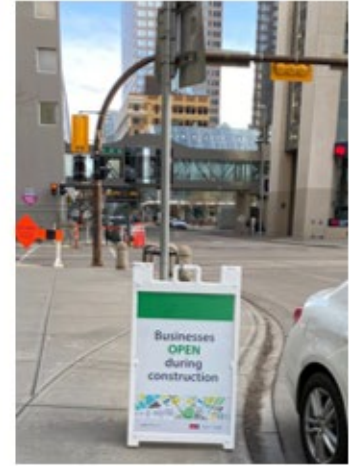
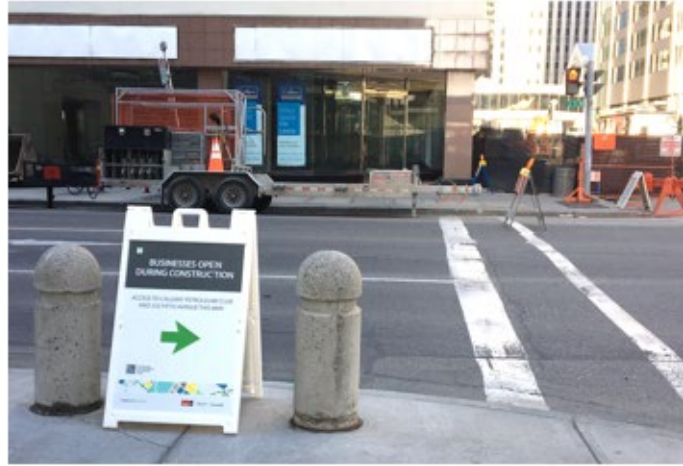


Beltline East – 11 Avenue S.E. and Olympic Way

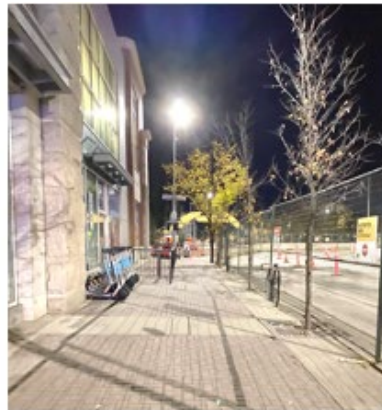
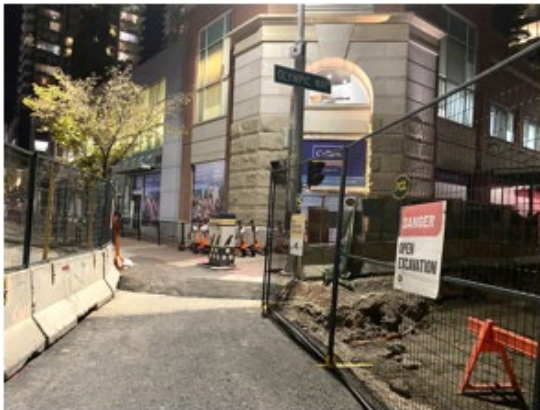
ISC: UNRESTRICTED

G Community and Business Support

Open for business signage



Clear path of travel and temporary loading zones



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Questions