



## Green Line Board

# June 2023 Public Progress Report

## 1.0 Executive Summary

The month of June 2023 saw several milestones achieved for Green Line including the announcement that Graham Construction had been selected to build the 78 Avenue Project, approval of land use changes for the Eau Claire station and market lands land use changes, and the completion of multiple BDURP works.

Twice a year, the City of Calgary conducts a survey of Calgarians to solicit their feedback. Green Line has been participating in the Spring Pulse survey since 2021 to understand Calgarians feelings about the project. The support from Calgarians remains extraordinarily high with continued growth year over year.

- 92% believe the Green Line LRT is important (91% in 2022 and 89% in 2021)
- 92% agree that the Green Line LRT will enable Calgarians to better connect with people, places and services (91% in 2022)
- 91% agree that the Green Line LRT will be an important addition to Calgary's transportation network (90% in 2022)

An aggressive construction schedule was implemented to ensure transmission line relocation work would be completed in Beltline West, and all other utility relocation work completed in Beltline East (including the work at the intersection of Olympic Way and 11 Ave S.E.) before Stampede. Green Line's Business Support Program also liaised across City departments and with the Third-Party Utilities to help offset any disruptions and ensure that a significant patio installation in Beltline went smoothly.

Construction is set to begin on July 26, 2023, for the 78 Avenue Project in Ogden and two information sessions were held in the community on June 13 and 24, 2023, with approximately 50 attendees between the two sessions. These sessions were promoted through road signs as well as door knocking to 349 homes and businesses in the areas adjacent to construction. Public concerns related to safety around the playground will be addressed through installation of a safety fence during the first week of July 2023.

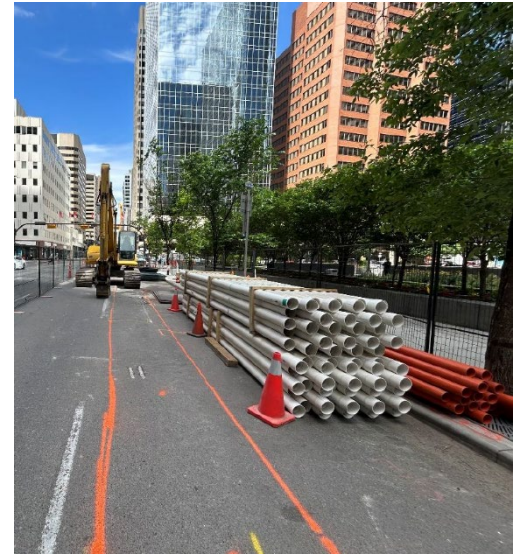
## 1.1 Construction Highlights

In June, shallow utility relocation work (third-party telecom and utilities) continued in the Beltline and Downtown. In advance of Stampede 2023, deep utility relocation projects (City sanitary, water and stormwater) were completed, and Olympic Way S.E. was re-opened at the end of June.

Green Line continued to work to minimize construction impacts to the travelling public and coordinate construction activities among third-party utilities and PCL, who is managing BDURP construction activities on behalf of Green Line.



Looking northeast at deep utility relocation work at the intersection of Olympic Way and 11 Avenue S.E.



Looking west from 1 Street S.W. at Enmax duct installation work along 5 Avenue S.W.

The following utility relocation work in the Beltline and Downtown continued during June with a look ahead at planned construction activity for the month of July:

<b>Beltline</b>		
<b>Construction activity</b>	<b>June</b>	<b>July</b>
Installation of a new sanitary and storm manhole on Olympic Way, north of 12 Avenue S.E.	Completed	-
Installation of new sanitary and storm lines at Olympic Way and 11 Avenue S.E. intersection.	Completed	-
Installation of deep utilities on 12 Avenue north pass of intersection at 5 Street S.E.	Completed	-
Enmax Transmission Line relocation work in 10 Avenue S.W. between 2 Street S.W. and MacLeod Trail S.E.	Underway	Continues
Installation of north pass utilities on 12 Avenue S.E. for 900mm water, 300mm water, and 300mm sanitary sewer, west of 5 Street S.E.	-	To Start
<b>Downtown</b>		
Telus duct bank relocation work on 4 Avenue between 1 Street and 2 Street S.W.	Completed	-
Enmax duct bank relocation works at: <ul style="list-style-type: none"> <li>7 Avenue between 2 Street and 1 Street S.W.</li> <li>1 Street between 7 Avenue and 2 Avenue S.W.</li> </ul>	Completed	-
Enmax duct bank and vault installation on north side of 5 Avenue S.W. west of 2 Street S.W.	Underway	Continues
Enmax duct bank installation on north side of 5 Avenue S.W. east of 2 Street S.W.	Underway	Continues
Telus duct bank installation work on 6 Avenue between 1 Street and 2 Street S.W.	Completed	-
Telus duct bank installation work on 5 Avenue, east of 3 Street S.W.	-	To Start



## 1.2 Program Status Dashboard

The table below provides the program status dashboard update for June 2023, including the overall program status and a comparison to the previous month.

Functional Area	June Status	May Status	Comments
Health & Safety	●	●	<ul style="list-style-type: none"> <li>There were no safety incidents during the month of June 2023.</li> </ul>
Environmental	●	●	<ul style="list-style-type: none"> <li>Green Line and BTC discussing due diligence opportunities to support the ongoing design process.</li> </ul>
Public Affairs	●	●	<ul style="list-style-type: none"> <li>Connected with 357 businesses, residents, and key partners in June 2023 (173 in May 2023).</li> </ul>
Schedule	●	●	<ul style="list-style-type: none"> <li>Phase 1 DBF-DP on-boarding activities are on schedule.</li> <li>BDURP construction key milestones are on schedule.</li> </ul>
Cost	●	●	<ul style="list-style-type: none"> <li>Green Line continues to proactively monitor program costs.</li> <li>Appropriate mitigation measures for key risks continue to be identified and implemented.</li> </ul>
Quality	●	●	<ul style="list-style-type: none"> <li>Program Quality Management Plan implementation continued with ongoing oversight of design quality management, BDURP construction works, and LRV Supply project quality compliance.</li> </ul>

**\*Definitions of the dashboard statuses can be found online in the [Monthly board report and financial summary legend](#).**

## 1.3 Financial Summary as of June 30, 2023

Green Line continues to monitor the financial position of the program.

Category	Committed Cost	Cost to Date	Cost Year to Date
Owner's Cost	88,747,478	88,267,851	8,301,734
Design & Engineering	300,937,082	287,842,504	20,708,858
Construction, Land & Other Assets	697,840,511	504,066,826	46,938,314
Bus Rapid Transit	5,123,622	5,123,622	480,326
<b>Grand Total</b>	<b>1,092,648,693</b>	<b>885,300,803</b>	<b>76,429,231</b>

**\*Details on specific inclusions can be found online in the [Monthly board report and financial summary legend](#).**

## 1.4 Milestone Schedule

Upcoming milestones and achievements for the Green Line program include:



Achievements Completed	Upcoming Milestones
<p><b>June 5, 2023</b> – Graham Construction announced as the proponent to build the 78 Avenue Project.</p> <p><b>June 2023</b> – BTC onboarding activities in June included establishment of various working groups and commencement of design.</p>	<p><b>July 26, 2023</b> – Construction set to begin for the 78 Avenue Project.</p> <p><b>Q4 2023</b> – aiming for LRV Final Design Review (FDR) completion.</p>

## 1.5 Risk Management

Risks and opportunities are continually monitored by Green Line, some key items of note from June 2023 are:

- **Opportunity:** Advancing high risk works ahead of Implementation Phase is a great opportunity to de-risk Green Line’s execution. Awarding 78 Avenue Project to Graham Infrastructure LP on June 5, 2023, enhanced this opportunity and mitigated the high risk of executing a complex scope requiring diverting Canadian Pacific Kansas City (CPKC) mainline track.
- **Risk:** Green Line continues to monitor financial and construction market changes. Regular external due diligence is ongoing to identify, evaluate and validate information and assumptions. With Development Partner onboarded, construction market risk level is significantly reduced but will continue to be monitored.
- **Risk:** Utility relocation works in Beltline and Downtown are ongoing in busy traffic corridors, which has a potential to impact travelling public and pedestrians. Green Line continues to proactively engage and notify stakeholders of potential construction related impacts (e.g., road closures) and work actively with City business units on a regular basis to optimize traffic control, lane closures, and assist with traffic management in Beltline and Downtown overall.

## 1.6 Public Affairs

BDURP construction is ongoing in Beltline and Downtown and coordinated traffic and pedestrian detours are in place to maintain area access. Green Line continues to collaborate with Third-Party Utilities to ensure impacted businesses are prepared, that access is being maintained, and business operations are considered during construction planning.

A considerable amount of construction was performed in June in the Beltline West project area, with ENMAX working diligently to complete not only their transmission line project, but also some distribution work in the area. On behalf of businesses in this area, Green Line liaised across City departments and with the Third-Party Utilities to help offset disruptions and improve visibility. For one local restaurant in Beltline this effort included coordination to ensure that a new patio installation went smoothly, and they could successfully open for the July long weekend.

Construction is set to begin on July 26 for the 78 Avenue Project in Ogden. In its first phase, this project will see up to 150 trucks a day transporting fill material required to build temporary embankments for the CPKC Rail alignment in the community. Two community information sessions were held on June 13 and 24, with



approximately 50 attendees. These sessions were promoted through road signs as well as door knocking to 349 homes and businesses in the areas adjacent to construction.

In addition to the seven construction notices sent to 81 stakeholders in Beltline and Downtown during the month of June, direct stakeholder outreach for June 2023 is summarized below.

Outreach Activity	Activity (June)
Business outreach*	133
Residential/property outreach*	201
Key stakeholder/partner meetings	23
Email/social/311 requests	18
Information sessions/events	2

\* Outreach includes calls, meetings, and on-site visits.

Green Line's newsletter was sent out on June 5. The newsletter was also posted to LinkedIn newsletters for the first time and garnered almost 1,500 new subscribers.

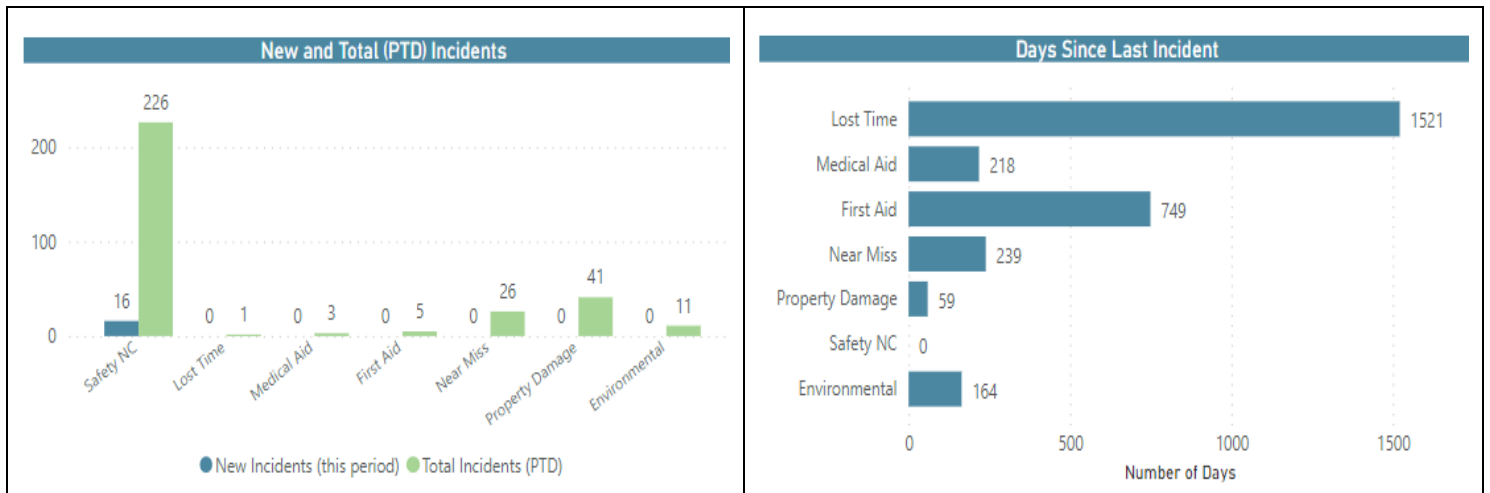
Green Line's Street Team attended the following four events to connect with community members:

- Lilac Fest
- Sled Island's block party
- Neighbour Day
- Crescent Heights BIA Night Market

## 2.0 Health & Safety

Green Line monitors the safety compliance of Green Line staff, consultants, and contractors at construction sites. First Tower safety orientation including emergency procedures, muster point and equipment locations continues for new hires. Leadership for Safety Excellence, First Aid and WHMIS training is scheduled in July and will be ongoing.

There were no safety incidents in the month of June.





## Safety Audit

Green Line had retained services of an external consultant to audit safety performance of the CM Contractor. The audit report has identified various opportunities for improvement. A safety workshop and training program is developed and will be implemented to improve safety awareness and performance.

## Safety Reporting

Green Line Safety Incident Frequency Statistics				
Performance Indicator		Green Line & City Staff	Contractors	Green Line, City Staff & Contractors
TRIFR: Total Recordable Injury Frequency Rate	per 200,000 hrs			
*Statistics based on a rolling 12-month period from June 30, 2022, to June 30, 2023.				

## 3.0 Environmental

Environmental assessments were concluded in February 2023, and no new field assessments were done in June 2023.