



AGENDA

GREEN LINE BOARD

August 1, 2024, 9:00 AM

ENGINEERING TRADITIONS COMMITTEE ROOM

Members

Board Member D. Fairbairn, Chair
Board Member M. Nelson, Vice-Chair
Board Member J. Annesley
Board Member L. Beasley
Board Member I. Bourne
Board Member F. Cummings
Board Member B. Mahajan
Board Member P. McLeod
Board Member D. Duckworth

SPECIAL NOTES:

Public are encouraged to follow Green Line Board meetings using the [live stream](#)

1. CALL TO ORDER
2. OPENING REMARKS AND LAND ACKNOWLEDGEMENT
3. CONFIRMATION OF AGENDA
 - 3.1 DECLARATIONS - CONFLICTS OF INTEREST
4. CONFIRMATION OF MINUTES
 - 4.1 Minutes of the Regular Meeting of the Green Line Board, 2024 July 4
5. SAFETY MINUTE
6. CORRESPONDENCE

None
7. CONSENT AGENDA

7.1 DEFERRALS AND PROCEDURAL REQUESTS
None

8. ITEMS FROM GREEN LINE PROGRAM TEAM AND COMMITTEES

8.1 Green Line Board June 2024 Public Progress Report, GLB2024-0923

8.2 COMMITTEE REPORTS

8.2.1 Planning Committee Report (Verbal), GLB2024-0924

8.2.2 Budget and Risk Committee Report (Verbal), GLB2024-0925

8.2.3 Governance and HR Committee Report (Verbal), GLB2024-0926

9. URGENT BUSINESS

10. CONFIDENTIAL ITEMS

10.1 ITEMS FROM GREEN LINE PROGRAM TEAM AND COMMITTEES

10.1.1 Green Line Board June 2024 Confidential Progress Report, GLB2024-0927
Held confidential pursuant to Sections 23 (Local public body confidences), 24 (Advice from officials), and 25 (Disclosure harmful to economic and other interests of a public body) of the *Freedom of Information and Protection of Privacy Act*.

Review by: 2039 August 1

10.1.2 Confidential Phase 1 Project Update (Verbal), GLB2024-0928
Held confidential pursuant to Sections 23 (Local public body confidences), 24 (Advice from officials), and 25 (Disclosure harmful to economic and other interests of a public body) of the *Freedom of Information and Protection of Privacy Act*.

Review by: 2039 August 1

10.1.3 Confidential Development Phase Update (Verbal), GLB2024-0931
Held confidential pursuant to Sections 23 (Local public body confidences), 24 (Advice from officials), and 25 (Disclosure harmful to economic and other interests of a public body) of the *Freedom of Information and Protection of Privacy Act*.

Review by: 2039 August 1

10.1.4 Green Line Board Annual Plan - Mid Year Review, GLB2024-0932
Held confidential pursuant to Sections 23 (Local public body confidences) and 24 (Advice from officials) of the *Freedom of Information and Protection of Privacy Act*.

Review by: 2039 August 1

10.1.5 Committee Reports (Verbal), GLB2024-0933
Held confidential pursuant to Sections 23 (Local public body confidences) and 24 (Advice from officials) of the *Freedom of Information and Protection of Privacy Act*.

Review by: 2039 August 1

10.2 URGENT BUSINESS

11. BRIEFINGS
None

12. ADJOURNMENT



MINUTES

GREEN LINE BOARD

**July 4, 2024, 9:00 AM
ENGINEERING TRADITIONS COMMITTEE ROOM**

PRESENT: Board Member D. Fairbairn, Chair
Board Member J. Annesley
Board Member L. Beasley
Board Member F. Cummings
Board Member B. Mahajan
Board Member P. McLeod
Board Member M. Nelson
Board Member D. Duckworth

ABSENT: Board Member I. Bourne, Vice-Chair

ALSO PRESENT: City Solicitor and General Counsel J. Floen
Chief Executive Officer D. Bhatti
Legislative Advisor J. Booth
Legislative Advisor J. Phillips

1. CALL TO ORDER

Chair Fairbairn called the meeting to order at 9:02 a.m.

ROLL CALL

Board Member Annesley, Board Member Beasley, Board Member Cummings, Board Member Mahajan, Board Member McLeod, Board Member Nelson, and Chair Fairbairn

Absent from Roll Call: Board Member Bourne and Board Member Duckworth

2. OPENING REMARKS AND LAND ACKNOWLEDGEMENT

Chair Fairbairn provided opening remarks and a traditional land acknowledgement.

3. CONFIRMATION OF AGENDA

Moved by Board Member Beasley

That the Agenda for the 2024 July 4 Regular Meeting of the Green Line Board be confirmed.

MOTION CARRIED

3.1 DECLARATIONS - CONFLICTS OF INTEREST

No conflicts of interest were declared.

4. CONFIRMATION OF MINUTES

4.1 Minutes of the Regular Meeting of the Green Line Board, 2024 June 6

Moved by Board Member Mahajan

That the Minutes of the 2024 June 6 Regular Meeting of the Green Line Board be confirmed.

MOTION CARRIED

5. SAFETY MINUTE

D. Bhatti provided a verbal update and was thanked by the Board.

6. CORRESPONDENCE

None

7. CONSENT AGENDA

7.1 DEFERRALS AND PROCEDURAL REQUESTS

None

8. ITEMS FROM GREENLINE PROGRAM TEAM AND COMMITTEES

8.1 Green Line Board May 2024 Public Progress Report, GLB2024-0818

A presentation entitled "Green Line LRT Program Update" was distributed with respect to Report GLB2024-0818.

Moved by Board Member McLeod

That with respect to Report GLB2024-0818, the following be adopted:

That the Green Line Board receive Report GLB2024-0818, the Green Line Board May 2024 Public Progress Report, for the Corporate Record.

MOTION CARRIED

8.2 COMMITTEE REPORTS

8.2.1 Planning Committee Report (Verbal), GLB2024-0819

No report given.

8.2.2 Budget and Risk Committee Report (Verbal), GLB2024-0820

Board Member McLeod provided a verbal update and was thanked by the Board.

8.2.3 Governance and HR Committee Report (Verbal), GLB2024-0821

No report given.

9. URGENT BUSINESS

None

10. CONFIDENTIAL ITEMS

Moved by Board Member Annesley

That pursuant to Sections 16 (Disclosure harmful to business interests of a third party), 23 (Local public body confidences), 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*, the Board now move into Closed Meeting, at 9:40 a.m. in the Engineering Traditions Committee Room, to discuss confidential matters with respect to the following Items:

- 10.1.1 Green Line Board May 2024 Confidential Progress Report, GLB2024-0822
- 10.1.2 Confidential Development Phase Update, GLB2024-0823
- 10.1.3 Committee Reports(Verbal), GLB2024-0824

MOTION CARRIED

The Board reconvened in public meeting at 11:38 a.m. with Chair Fairbairn in the Chair.

ROLL CALL

Board Member Annesley, Board Member Beasley, Board Member Cummings, Board Member Mahajan, Board Member McLeod, Board Member Nelson, Board Member Duckworth, and Chair Fairbairn

Absent from Roll Call: Board Member Bourne

Moved by Board Member McLeod

That the Board rise and report.

MOTION CARRIED

10.1 ITEMS FROM GREEN LINE PROGRAM TEAM AND COMMITTEES

- 10.1.1 Green Line Board May 2024 Confidential Progress Report, GLB2024-0822

Administration in attendance during the Closed Meeting discussions with respect to Confidential Report GLB2024-0822:

Clerks: J. Booth, J. Phillips, and B. Dufault. Law: J. Floen, L. Davies, L. Bonnett, and D. Ben-Omotehinse. Advice: D. Bhatti, S. Ganji, W. Tynan, H. Gibney, G. Neilson, M. Stirling, R. Hussain, and L. Adamo.

Moved by Board Member Beasley

That with respect to Confidential Report GLB2024-0822, the following be adopted:

That the Green Line Board:

1. Receive the Closed Meeting Report for the Corporate Record; and
2. Direct that the Closed Meeting Report and Closed Meeting discussions be held confidential pursuant to Sections 23 (Local public body confidences), 24 (Advice from officials), and 25 (Disclosure harmful to economic and other interests of a public body) of the *Freedom of Information and Protection of Privacy Act*, to be reviewed by 2039 July 4.

MOTION CARRIED

10.1.2 Confidential Development Phase Update, GLB2024-0823

The following documents were distributed with respect to Report GLB2024-0823:

- Confidential Document 1;
- Confidential Document 2; and
- Confidential Revised Attachment 7

Administration in attendance during the Closed Meeting discussions with respect to Confidential Report GLB2024-0823:

Clerks: J. Booth, J. Phillips, and B. Dufault. Law: J. Floen, L. Davies, L. Bonnett, and D. Ben-Omotehinse. Advice: D. Bhatti, S. Ganji, W. Tynan, H. Gibney, G. Neilson, M. Stirling, R. Hussain, and L. Adamo.

Moved by Board Member Annesley

That with respect to Confidential Report GLB2024-0823, the following be adopted, **after amendment**:

That the Green Line Board:

1. Approve the Closed Recommendations contained in the Confidential Presentation; and
2. Direct that the Closed Recommendations, Confidential Report, Confidential Attachments, **Confidential Revised Attachment 7, Confidential Distributions**, and the Closed Meeting discussions be held confidential pursuant to Sections 16 (Disclosure harmful to business interests of a third party), 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.

MOTION CARRIED

10.1.3 Committee Reports(Verbal), GLB2024-0824

No report given.

10.2 URGENT BUSINESS

None

11. BRIEFINGS

None

12. ADJOURNMENT

Following nomination procedures, Board Member Nelson was elected Vice-Chair of the Green Line Board by acclamation.

Moved by Board Member Mahajan

That this meeting adjourn at 11:43 a.m.

MOTION CARRIED

The next Regular Meeting of the Green Line Board is scheduled to be held on 2024 August 1 at 9:00 a.m.

CONFIRMED BY THE BOARD ON

CHAIR

CITY CLERK

Green Line Board

June 2024 Public Progress Report

JUNE HIGHLIGHTS

Development Phase Agreement

Extensive due diligence has been completed in the evaluation of all options with respect to risk allocation, price, and project schedule. As per the Green Line Board Bylaw (21M2020), the Green Line Board has put forward recommendations to Council to advance Phase 1 of the Green Line LRT on July 30, 2024.

Note: Details on the decision that Council makes at the July 30, 2024 meeting will be presented at the August 1 Green Line Board meeting to supplement this June look-back report.

Beltline Downtown Utility Relocation Project

All deep utility construction and final road remediation are now complete and operational in Beltline east. In Beltline west, ENMAX continues to work to complete the installation and energization of the transmission project. Work continued downtown with work completed in advance of Stampede. CDHI is planning to start new work along 5 and 6 Avenues S.W. on September 6, with the intention of completing all scope in 2024.

78 Avenue Project

Construction started on the Ogden Pedestrian Tunnel structure with preparation of the subgrade, construction of the base slab, and pouring of the walls. Work continued on widening of 78 Avenue S.E. and improvements to the sidewalks will continue through early September. Construction continued on the reconstruction of Ogden Dale Road north to the roundabout at 78 Avenue S.E.

Demolitions

Demolition of Harvard Manor (603 11 Avenue S.E.), Tony's Auto (611 11 Avenue S.E.) and the Grandell Building (619 11 Avenue S.E.) located in Beltline East adjacent to the proposed 4 Street Station were completed in June.













The Request for Proposal (RFP) for Downtown properties has closed and the bids are under evaluation.

Light Rail Vehicles (LRV)

Construcciones y Auxiliar de Ferrocarriles (CAF) achieved the completion of the Inspection and Testing Procedure Review on June 10, 2024, which marks another key Milestone in the delivery of the LRVs.

Green Line and CAF commenced the Conformance Test Procedures, and the Manuals review in May 2024 to ensure that these documents are ready for the testing and fabrication phase and to ensure a smooth acceptance of the LRVs. Conformance testing will commence in September 2024.

PROJECT STATUS DASHBOARD

Functional Area	June Status	May Status	Comments
Health & Safety			<ul style="list-style-type: none"> Six (6) incidents were reported for the month of June 2024 – one (1) lost time, three (3) property damage, and two (2) near misses. Lost time incident resulted in an injury to a worker. OSHA visited the site and a safety stand down was held. Incident investigation is ongoing and lessons learned will be shared with the broader team. 10 site safety inspections were conducted by the Green Line team in June and 18 non-conformances were issued and addressed.
Public Affairs			<ul style="list-style-type: none"> New Green Line website launched. Connected with 206 businesses, residents, and key stakeholders in June.
Schedule			<ul style="list-style-type: none"> Work on key program activities is progressing.
Cost			<ul style="list-style-type: none"> The status remains red due to higher than anticipated estimates from some subcontractors. Extensive due diligence has been completed in the evaluation of all options with respect to risk allocations, price, and project schedule.
Environmental			<ul style="list-style-type: none"> No environmental incidents occurred in June.
Quality			<ul style="list-style-type: none"> Five non-conformances were reported for the 78 Avenue Project; all have been reviewed by the technical team. Three non-conformances are closed, and two are pending test results or final review.
<p>*Definitions of the dashboard statuses can be found online in the Monthly board report and financial summary legend.</p>			

HEALTH & SAFETY

Six (6) incidents were reported for the month of June 2024 – one (1) lost time, three (3) property damage, and two (2) near misses:

- Lost time incident:** The lost time incident involved an injury to a worker's foot when a piece of a broken pipe was projected towards the worker and struck them above the steel toe boot. The worker was provided immediate medical attention. Work on the site was immediately halted and emergency response protocols initiated. OHS was contacted, and the contractor initiated an investigation.
- Near misses:** A vehicle belonging to a member of the public struck construction fencing in Beltline East with no injuries. The driver did not remain on scene, and a police report was filed. Traffic control

measures were adequate but additional preventive measures were implemented and included installation of jersey barriers to replace portion of the site fencing. The second near miss involved a skidsteer operator backing too close to a tandem truck in Beltline East. Preventive measures include reminding equipment operators to comply with the safety policies.

- **Property damage incidents:** included a City vehicle making a contact with a bollard in a parking garage, a ground rod installation caused damage to some telecommunications infrastructure, and a window of a zoom boom was broken when it swung open and contacted temporary traffic signage.

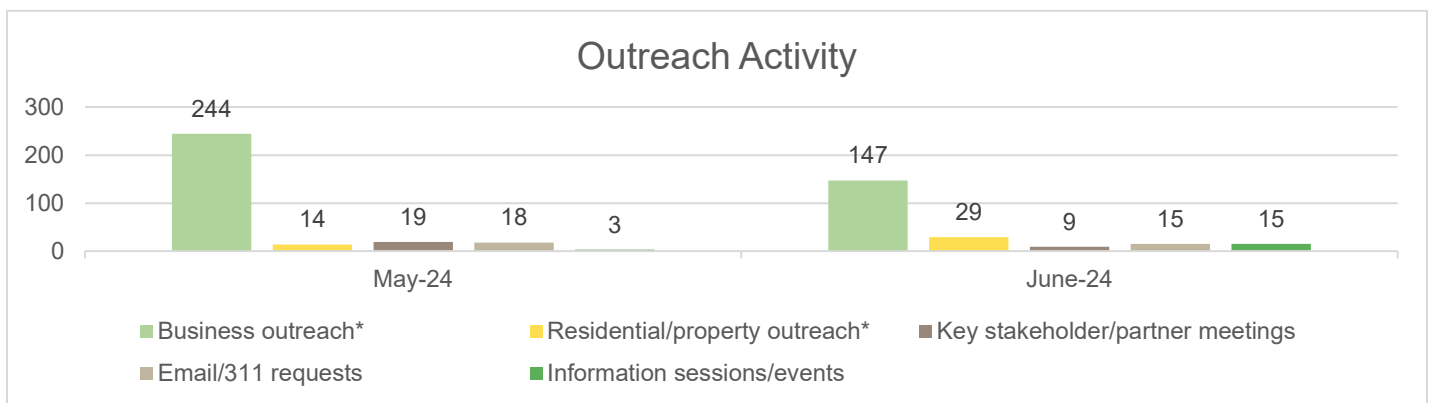
In compliance with established protocols, safety stand downs were held, root cause analyses were completed, preventive actions implemented, and lessons learned were communicated.

COMMUNITY AND PUBLIC RELATIONS

In June, Green Line participated in more than 15 events that included pop-up engagements at retail and park locations along the alignment and participation in larger community events including Lilac Fest, the Calgary Stampede Community Round-Up and Neighbour Day, allowing us to connect with thousands of Calgarians. Questions continue to be centered around tunneling methods, station orientation, LRV specifications, and project costs and timelines.

In the Beltline, ongoing ENMAX work led to reduced business access for several restaurants/retailers. Green Line responded by creating custom signage and identifying key promotional opportunities that tied in with public events. In the Downtown, Green Line identified opportunities for CDHI's work in the 5 Avenue corridor to accommodate several large events at venues that required extra attention.

The team received 15 email and 311 requests, a summary of the business and community outreach for June 2024 is summarized below.



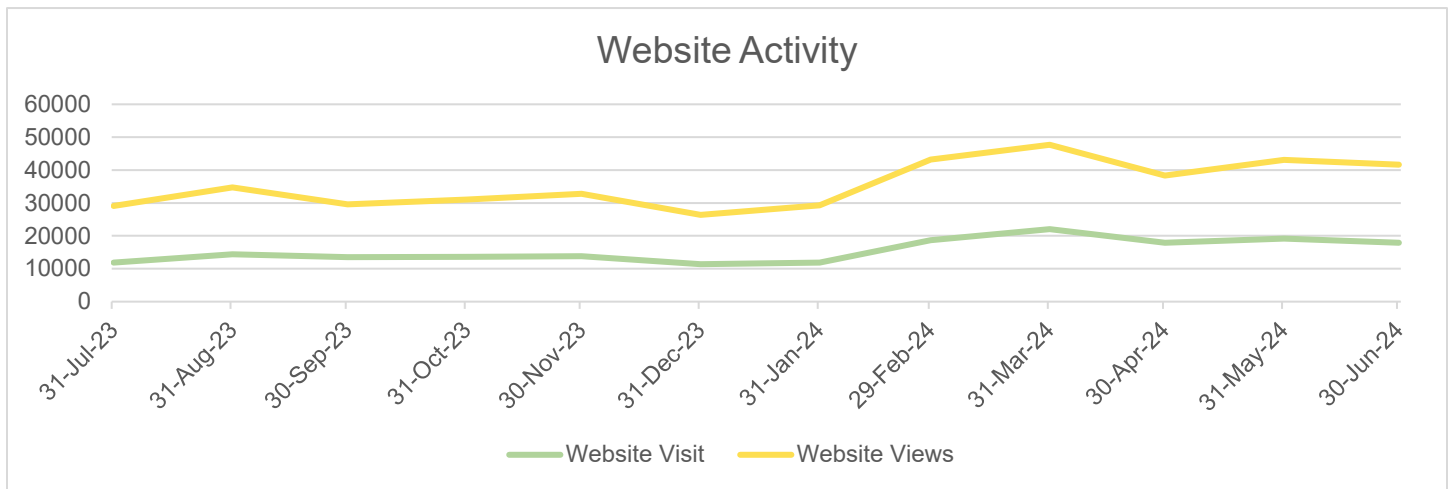
* Outreach includes calls, meetings, and on-site visits.

The Public Affairs team launched the new Green Line website on June 6, 2024. Highlights of the new website include:

- 30% design renderings of every station
- Updated interactive map that shows construction impacts
- Information on tunneling methods and a new graphic explaining tunnel boring

- Navigation menu that is intuitive and can expand to add more content and information as required
- Information and photos on completed and current construction projects
- 360-degree virtual tour of the LRV mock-up
- Search bar that makes it easy to find information
- Mobile-friendly design makes it easy to view on a phone

Previously, the Green Line Map always appeared in the top 3 most visited pages. The new map is hosted through ARCGIS, which does not support Adobe Analytics, so therefore will not show up in analytics reports going forward.



FINANCIAL SUMMARY

Green Line continues to monitor the financial position of the program, below is the financial summary as of June 30, 2024.

Category ^[1]	Committed Cost	Cost to Date	Cost Year to Date
Owner's Cost	103,730,417	103,730,417	7,305,142
Design & Engineering	556,629,670	539,760,524	138,322,071
Construction, Land & Other Assets	829,619,433	608,629,251	54,523,278
Bus Rapid Transit	50,000,000	7,357,303	781,768
Grand Total	1,539,979,521	1,259,177,495	200,932,259

To[1] Details on specific inclusions can be found online in the [Monthly board report and financial summary legend](#).