



Green Line Board Report Q1 2023

Executive Committee Meeting

January 31, 2023





Recommendation

That Executive Committee of Council receive this report for the corporate record.



Highlights

- » The DBF-DP procurement process and schedule is on-track and Green Line continues to review requests for information and participate in meetings with the two pre-qualified teams.
- » The mock-up of the new low-floor Light Rail Vehicle (LRV) arrived in November 2022 which has allowed for technical reviews to begin.
- » The agreement with the Delivery Partner was signed and interviews and onboarding of key individuals began.
- » The Beltline Downtown Utility Relocation Project (BDURP) achieved a key milestone with the completion of work at Olympic Way and 12 Avenue S.E.
- » More than 225 local suppliers, contractors, and businesses attended an Information Session to meet and hear from the proponent teams.



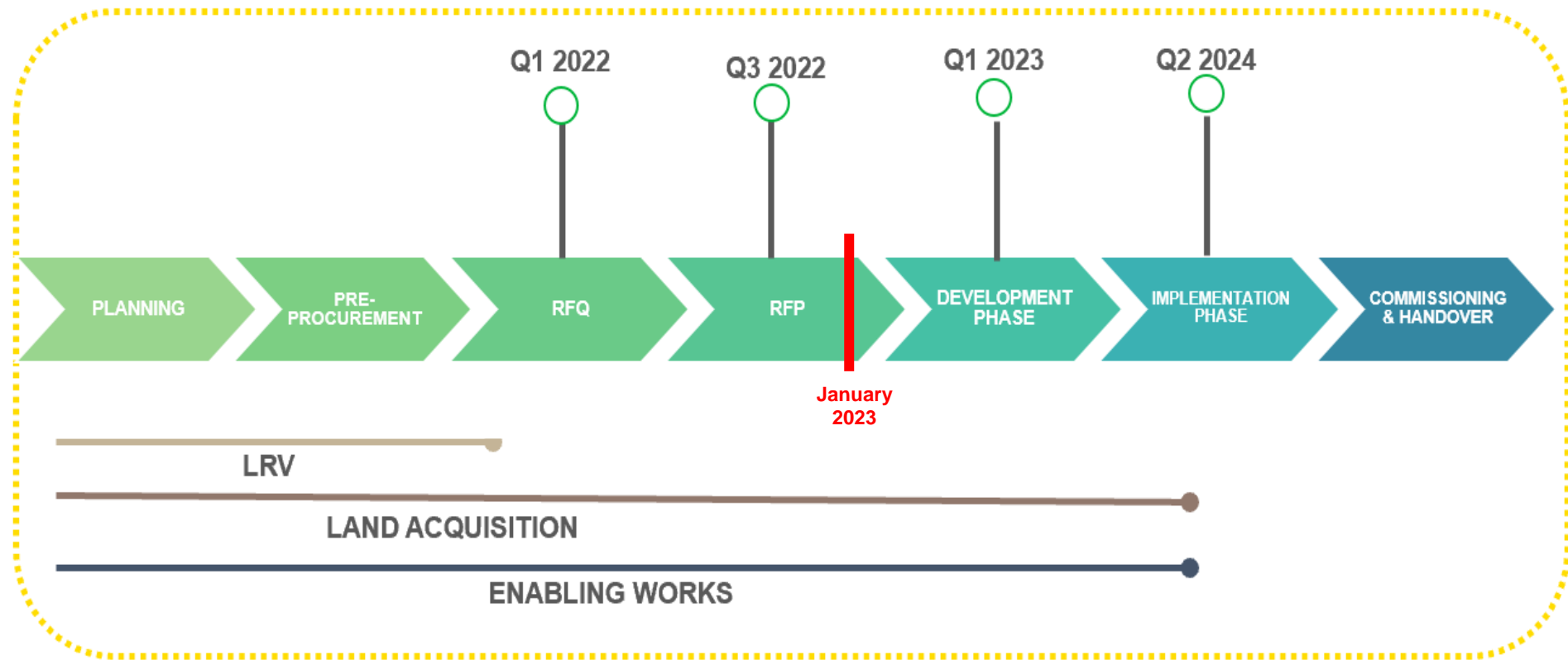


Project Dashboard

Health & Safety		<ul style="list-style-type: none">• There were no safety incidents in December 2022.• Green Line has had no Lost Time Incidents (LTI) or First Aid (FA) incidents in the past year with one Medical Aid (MA) incident in November 2022.
Environment		<ul style="list-style-type: none">• As part of the land acquisition process, identified properties require site-specific limited Environmental Site Assessment (ESA).
Stakeholder Relations		<ul style="list-style-type: none">• Connected with more than 65 businesses and key stakeholders in December 2022 (over 700 businesses and key stakeholders throughout 2022).• Indigenous Consultation underway in support of application process for the Elbow River and south Bow River crossings.
Schedule		<ul style="list-style-type: none">• Phase 1 Design-Build-Finance with Development Phase (DBF-DP) procurement activities are on schedule• Beltline Downtown Utility Relocation Project (BDURP) Beltline East construction is on schedule• LRV mock-up was delivered in Q4
Cost		<ul style="list-style-type: none">• Green Line continues to proactively monitor program costs• Appropriate mitigation measures for various key risks continue to be established, reviewed, and implemented
Quality		<ul style="list-style-type: none">• Program Quality Management Plan implementation continued with ongoing oversight of BDURP construction works, and LRV Supply project quality compliance.

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Building Green Line: Design-Build-Finance (DBF) with a Development Phase





Financial Summary

Category	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	22-Dec
Owner's Cost	\$1,266,593	\$1,184,271	\$1,155,059	\$1,170,394	\$1,160,394	\$1,693,077
Design & Engineering	\$2,909,804	\$1,909,873	\$2,521,487	\$2,833,345	\$1,872,764	\$2,995,409
Construction, Land & Other Assets	\$2,220,709	\$3,856,904	\$2,977,347	\$6,331,012	\$2,045,927	\$15,765,205
Bus Rapid Transit	\$275,489	\$8,617	\$27,111	\$989	\$23,089	\$45,906
Grand Total	\$6,672,595	\$6,959,666	\$6,681,004	\$10,335,740	\$5,102,174	\$20,499,597

Table 1 – Green Line Previous 6-month Spend Rate (costs for December are preliminary)

Category	Committed Cost	Cost to Date	Cost Year to Date
Owner's Cost	\$80,416,386	\$79,936,759	\$14,660,674
Design & Engineering	\$285,463,824	\$268,411,186	\$31,959,920
Construction, Land & Other Assets	\$541,599,930	\$455,829,163	\$53,309,033
Bus Rapid Transit	\$4,596,206	\$4,596,206	\$1,302,299
Grand Total	\$912,076,346	\$808,773,314	\$101,231,925

Table 2 – Financial Summary as of December 31, 2022 (costs for December are preliminary)



Risk Mitigation

Cost & Schedule

- Continued assessment of market changes
- DBF-DP procurement on track

Land

- Southeast land acquisition near completion
- Focus on land acquisition in the Beltline and Downtown

Construction

- Business access planning underway
- Meeting with key stakeholders to plan for 2023 construction and related impacts

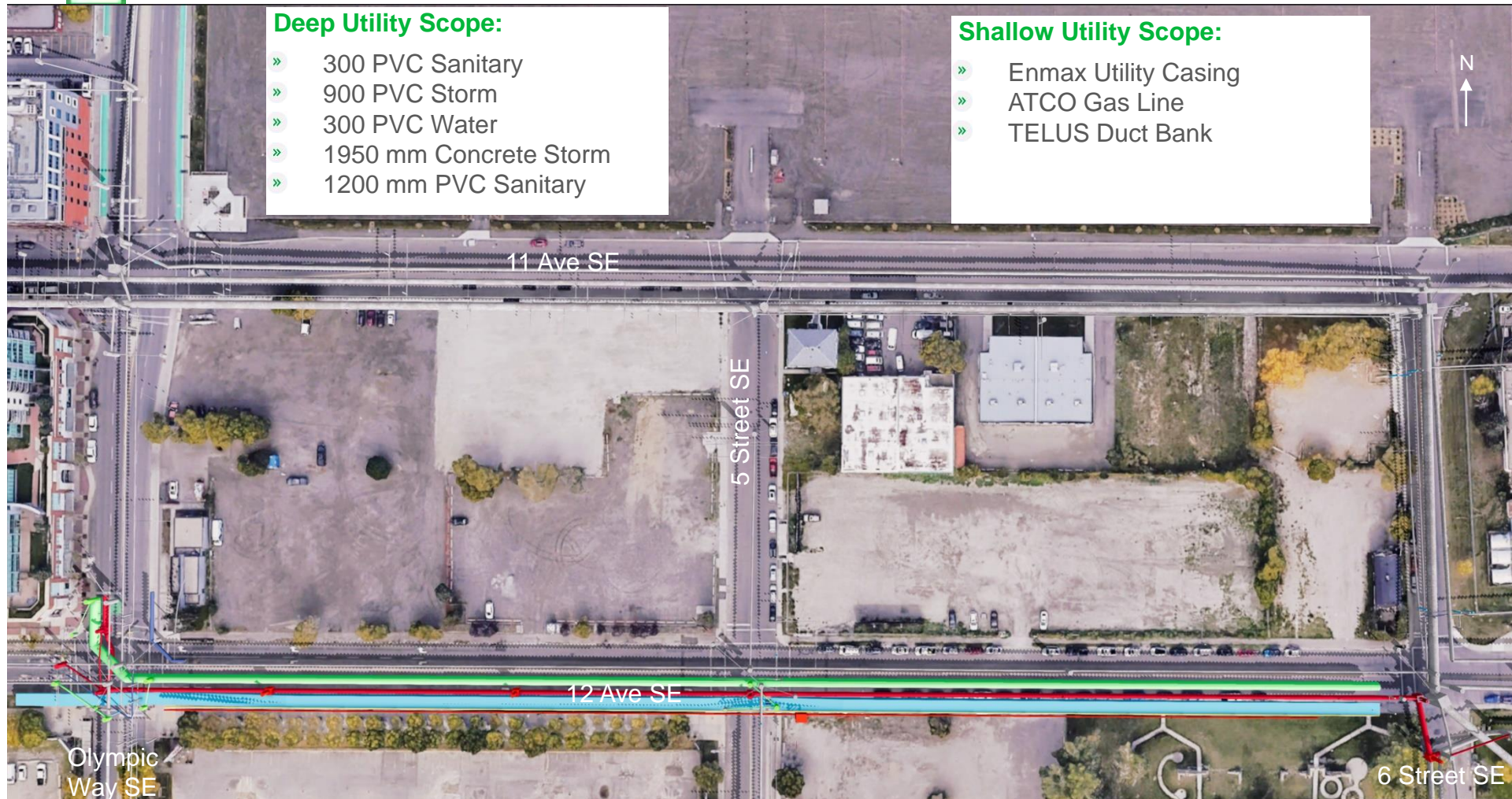
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Deep Utility Scope:

- » 300 PVC Sanitary
- » 900 PVC Storm
- » 300 PVC Water
- » 1950 mm Concrete Storm
- » 1200 mm PVC Sanitary

Shallow Utility Scope:

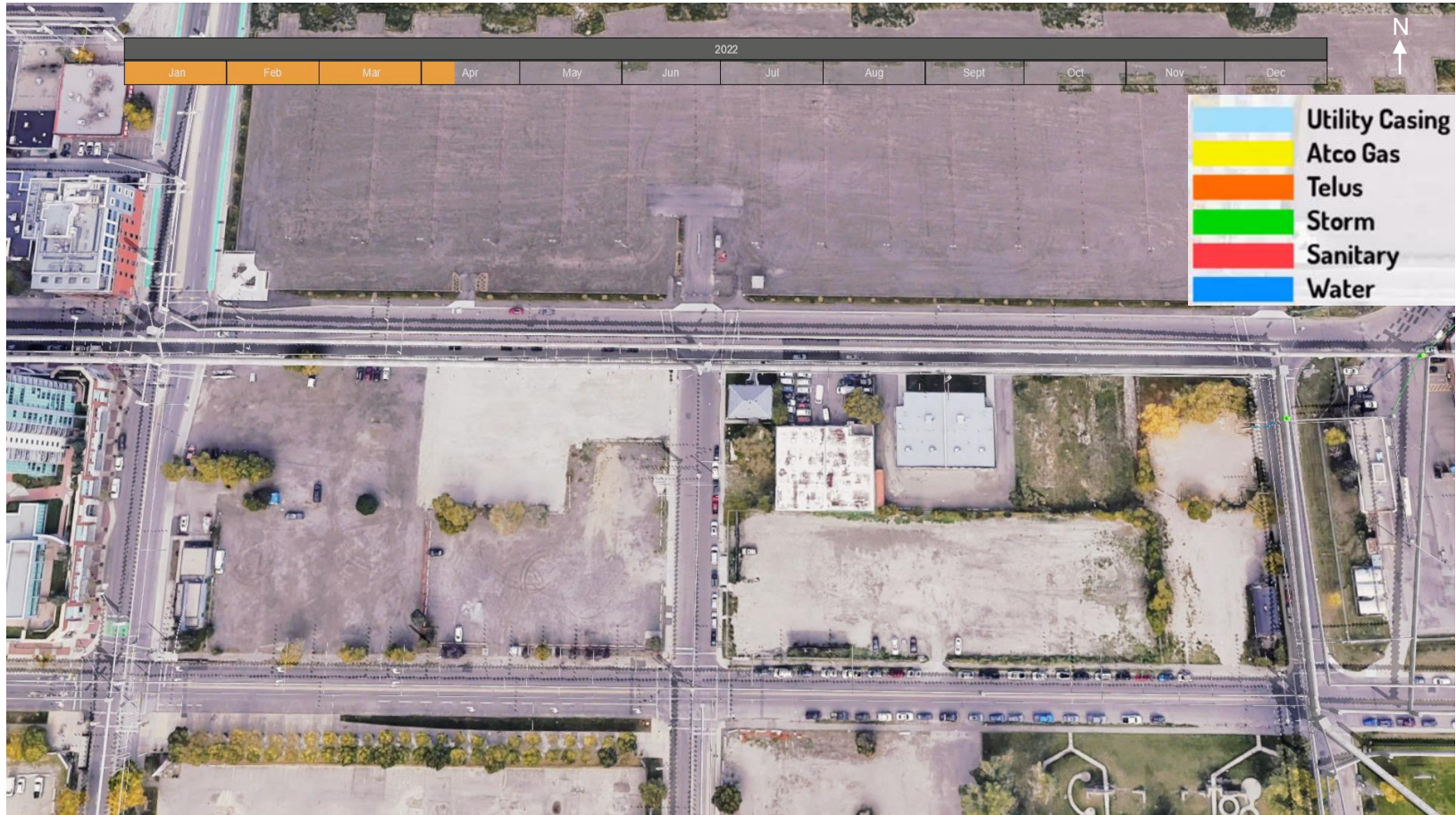
- » Enmax Utility Casing
- » ATCO Gas Line
- » TELUS Duct Bank



Utility Relocation Work Completed – Beltline East



2022 Construction Progress – 12 Avenue SE





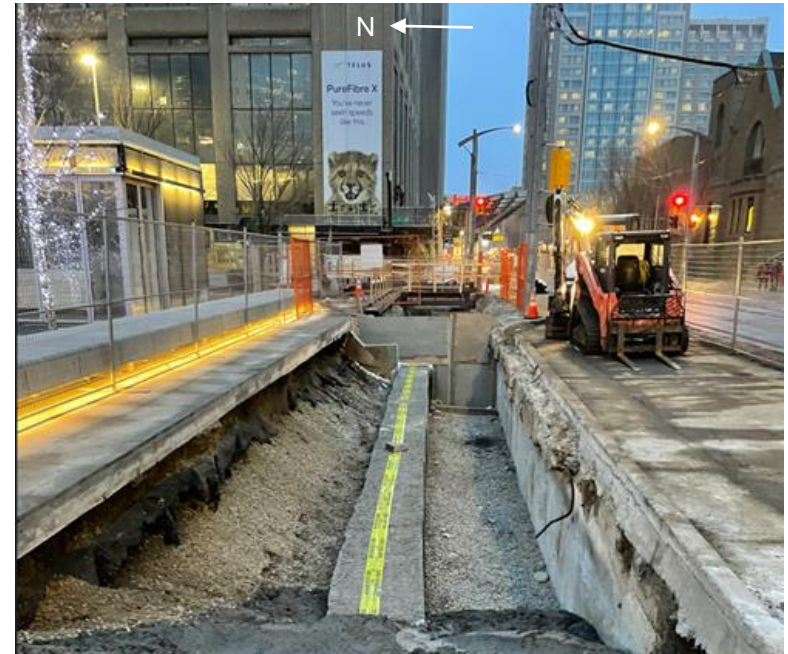
Lessons learned for 2023

Deep utility work – East Beltline



Sanitary and Storm trunk works at the intersection of Olympic Way and 12 Ave SE

Shallow utility work – Downtown



New Enmax duct bank along 7 Ave LRT



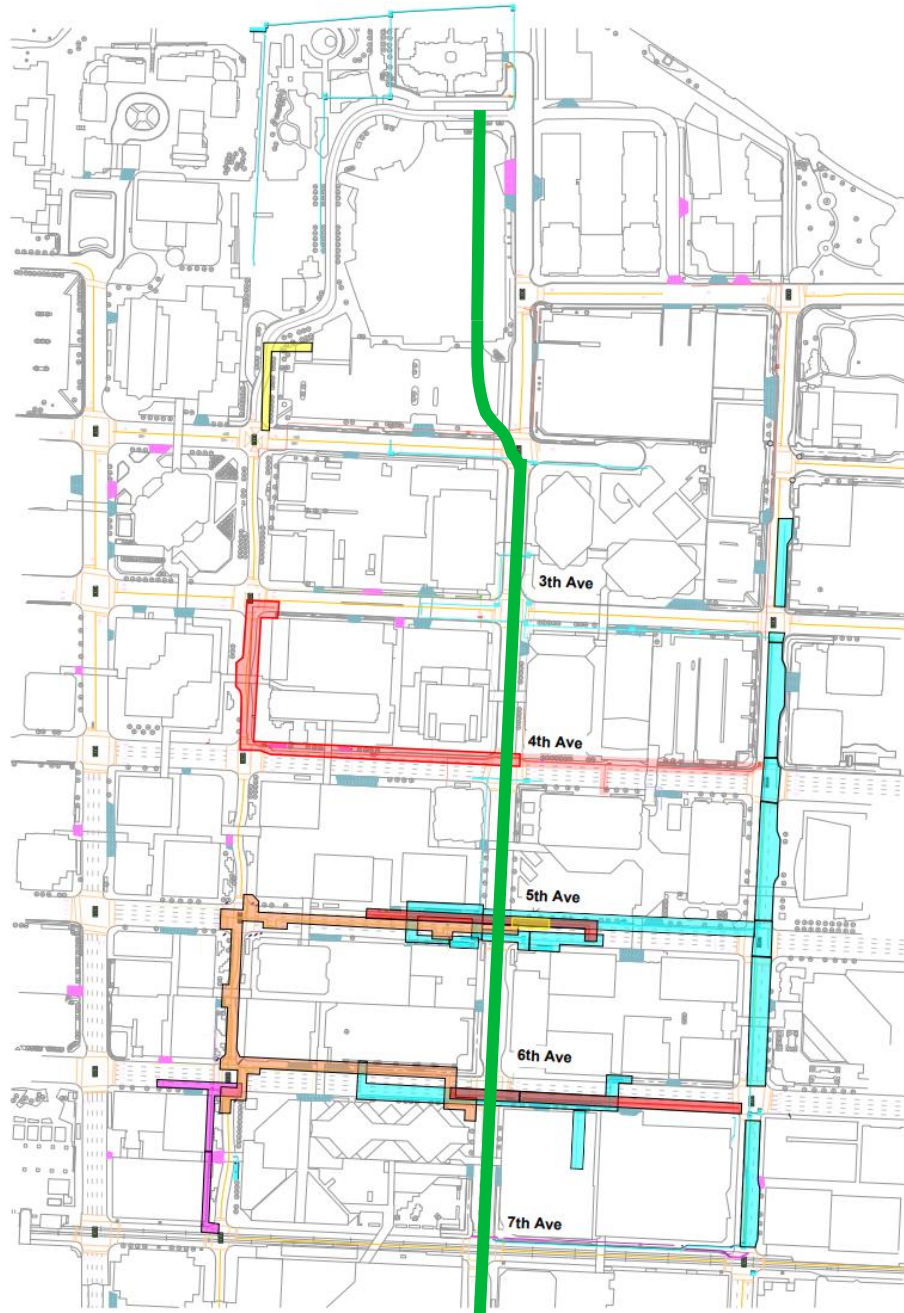
Construction for 2023 – Beltline East



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Construction for 2023 – Downtown

- Enmax
- Telus
- CDHI
- Zayo
- Atco
- Bell





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Questions