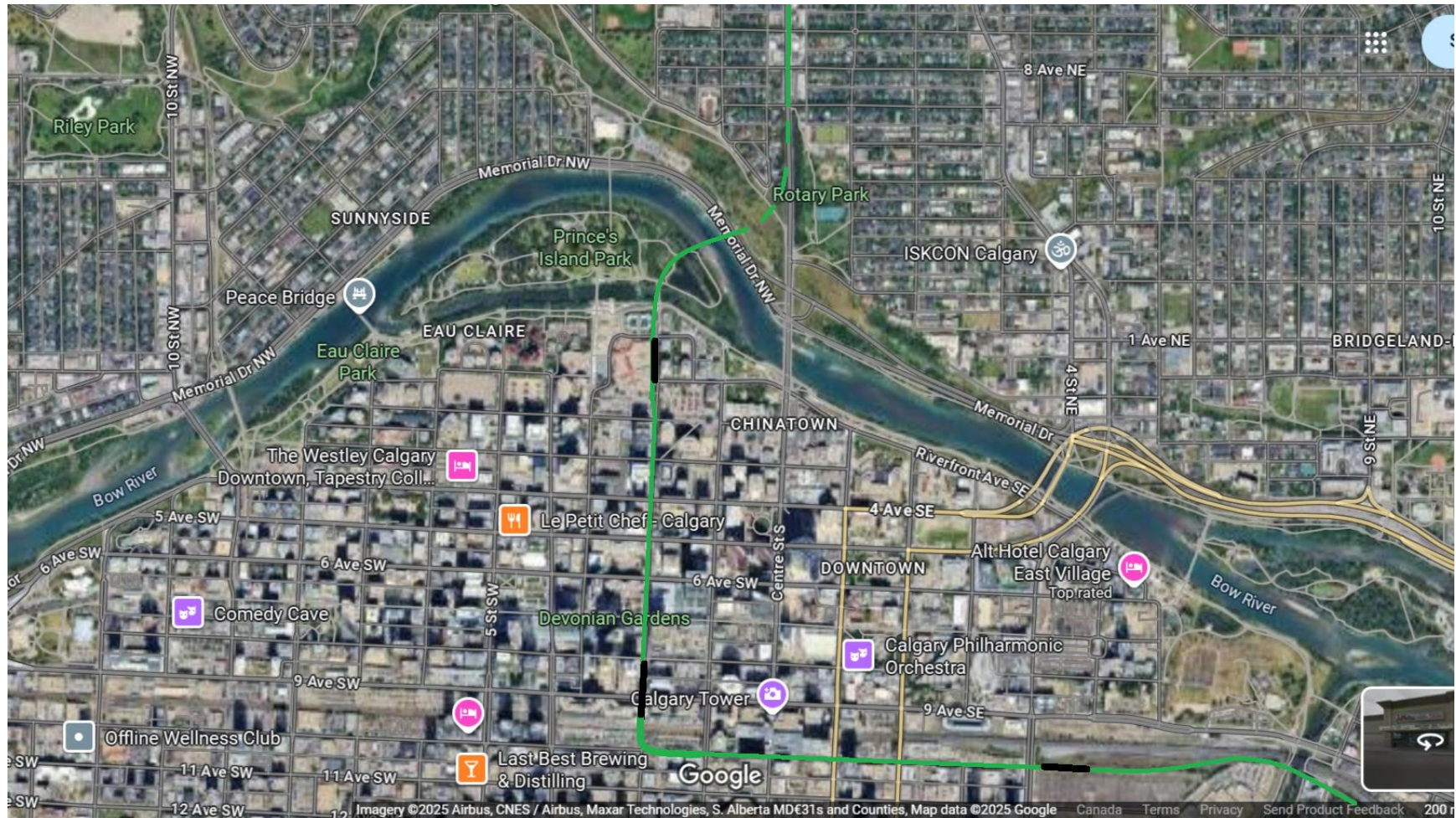


Calgary Green Line Downtown

Written by Gwyer Webber

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An idea for a compact guideway on the Calgary Green Line Downtown that includes a station at Eau Claire.



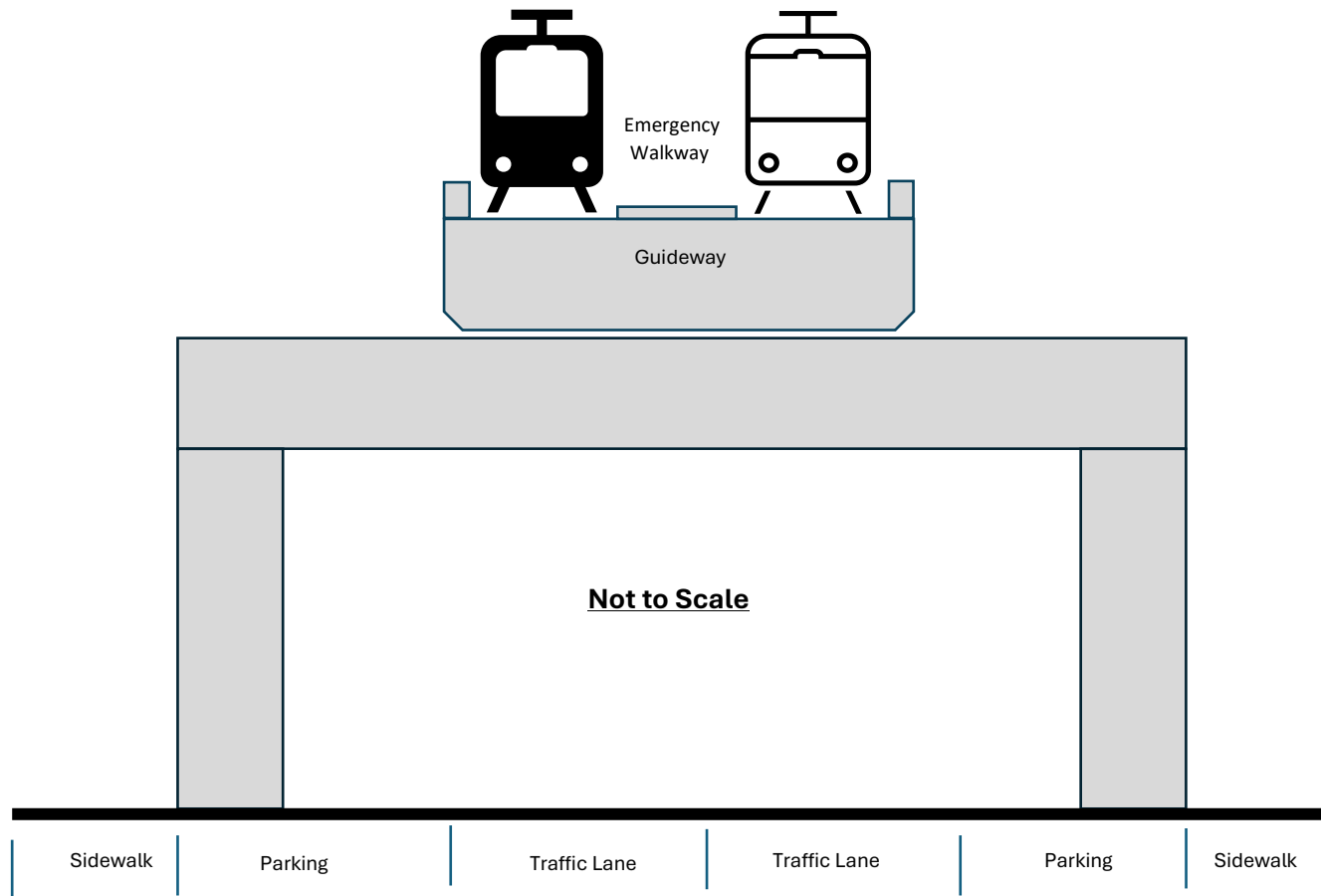
Compact Guideway

- The original Expo Line guideway was 6.92m wide for double tracks. The new guideways are between 7m and 8m wide.
- The Skytrain vehicles (Alstom Mk2 -Mk5 2.65m wide) are similar in width to the CAF Urbos 100 LRVs.
- This Google street view shows the Skytrain guideway on top of a cross beam on the Lougheed Hwy.



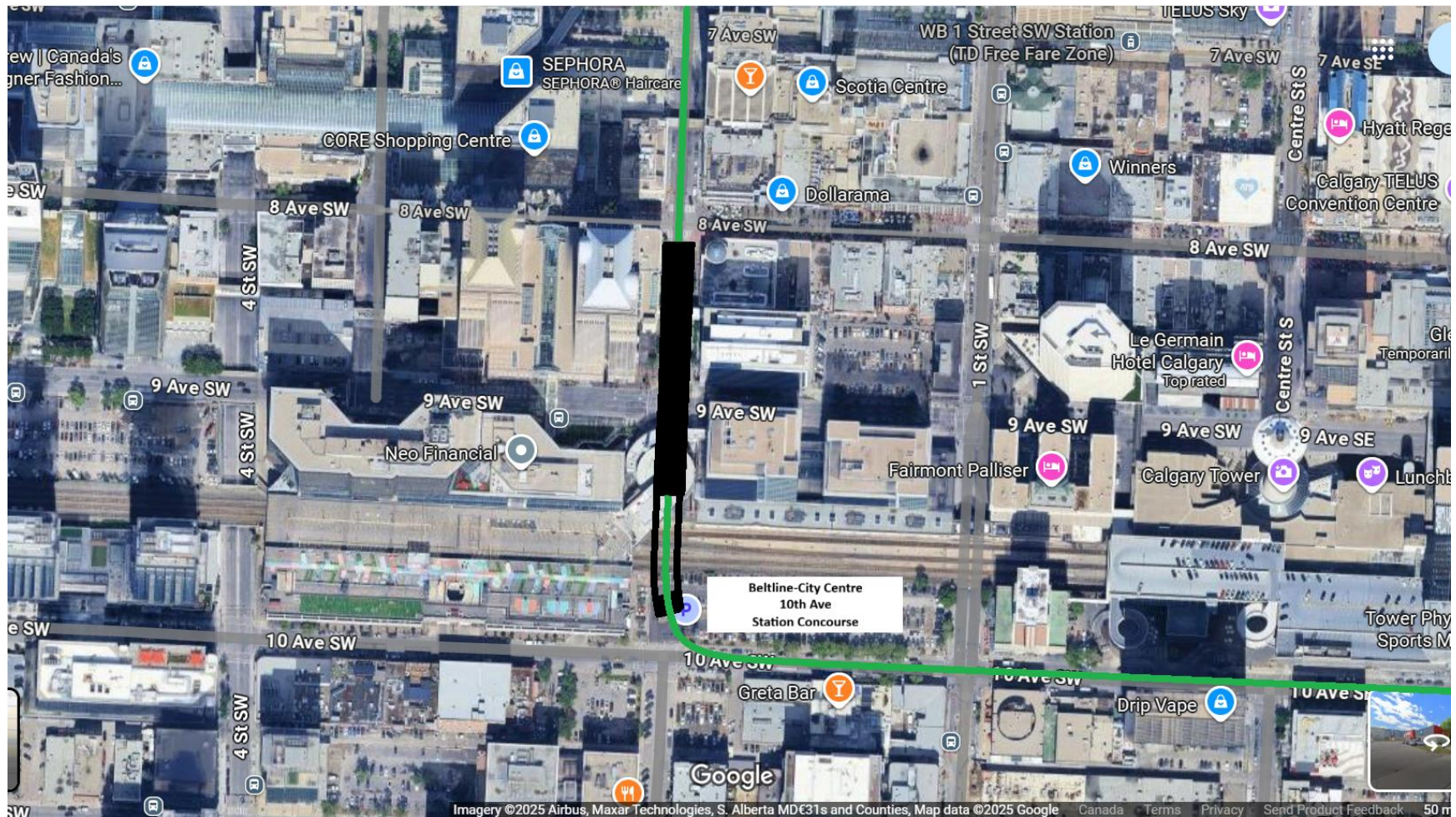
Compact Guideway for 10th Ave and 2nd St SW

- The support columns are placed in the street parking area, and the guideway can be centred above the road.
- No overhead catenary between the Grand Central Station and the Eau Claire Station.
- The emergency walkway height is to the top of rail.



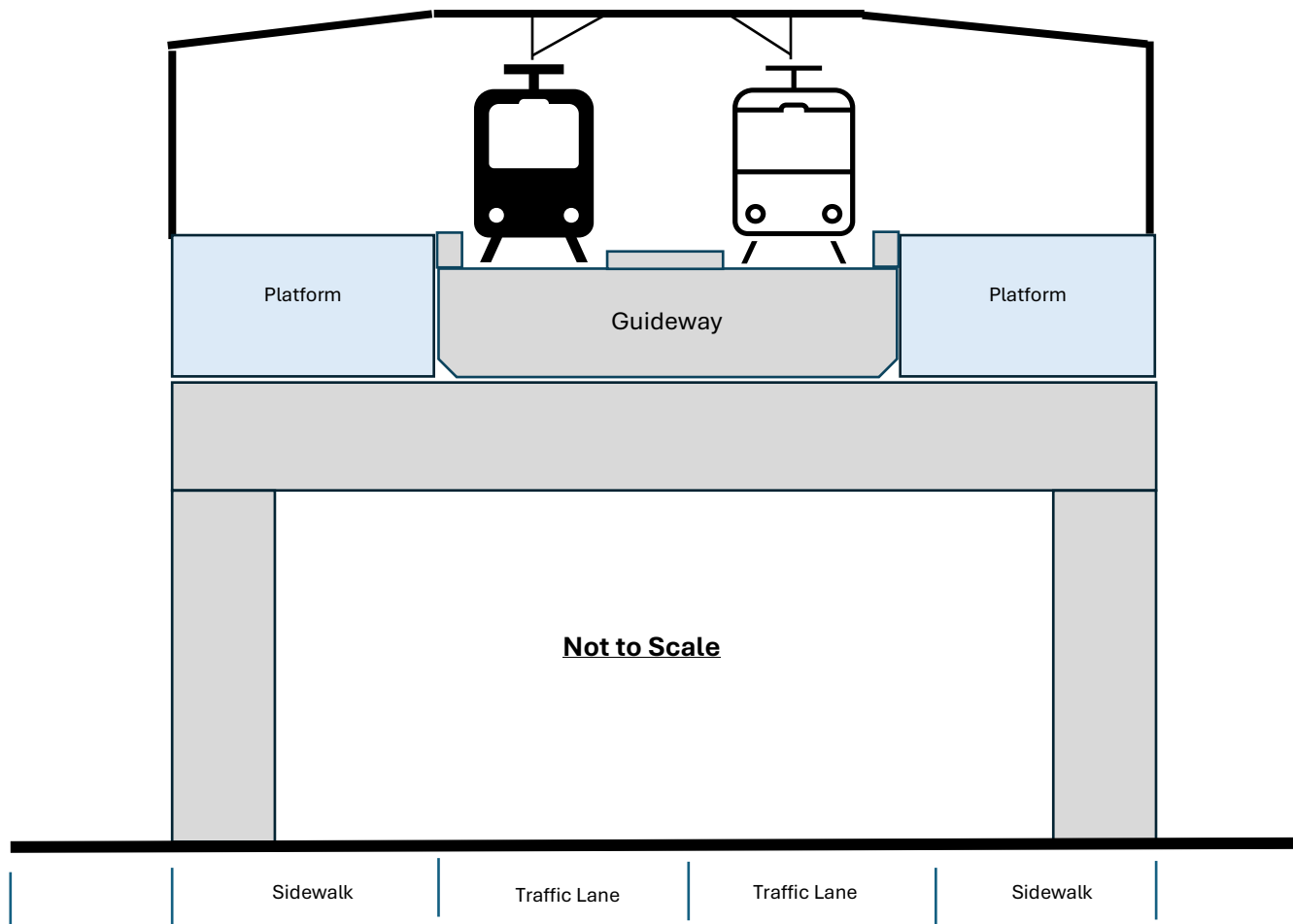
Beltline-City Centre Station Location

- 7th Ave SW is 100m from the north end of the platform and 10th Ave SW is 90m from the south end of the platform.
- The Sea Bus to the Waterfront Station in downtown Vancouver is 190m.
- Direct access to the Plus 15 on the South Side of 9th Ave SW.



Beltline-City Centre Station Style

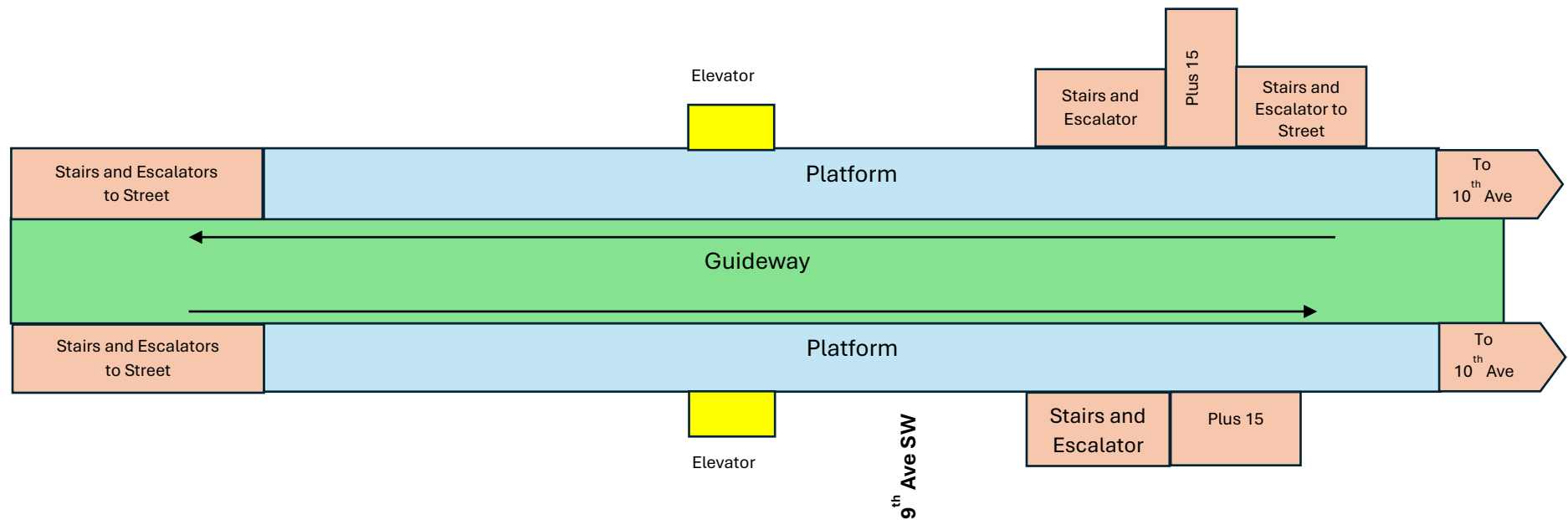
- Platform length of around 126m. The curve radius from 10th Ave to 2nd St SW is around 60m similar to the AECOM Report.



Beltline-City Centre Station Style

- The station would have side platforms with stairs, escalators and elevator at the 8th Ave SW end from each platform.
- The platform and stair enclosures would be glass. Platform length of around 126m.
- There would be access to 10th Ave from the south end of the platform on both sides with a station entrance at 10th Ave SW.

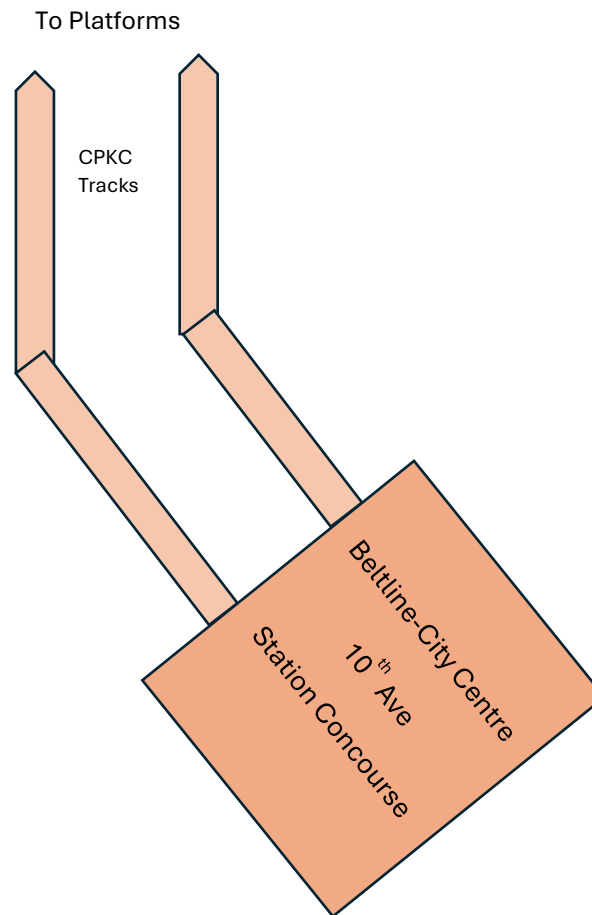
Not to Scale



Beltline-City Centre Station

- An overhead walkway from each platform across the CPKC tracks to a station concourse on 10th Ave SW.

Not to Scale



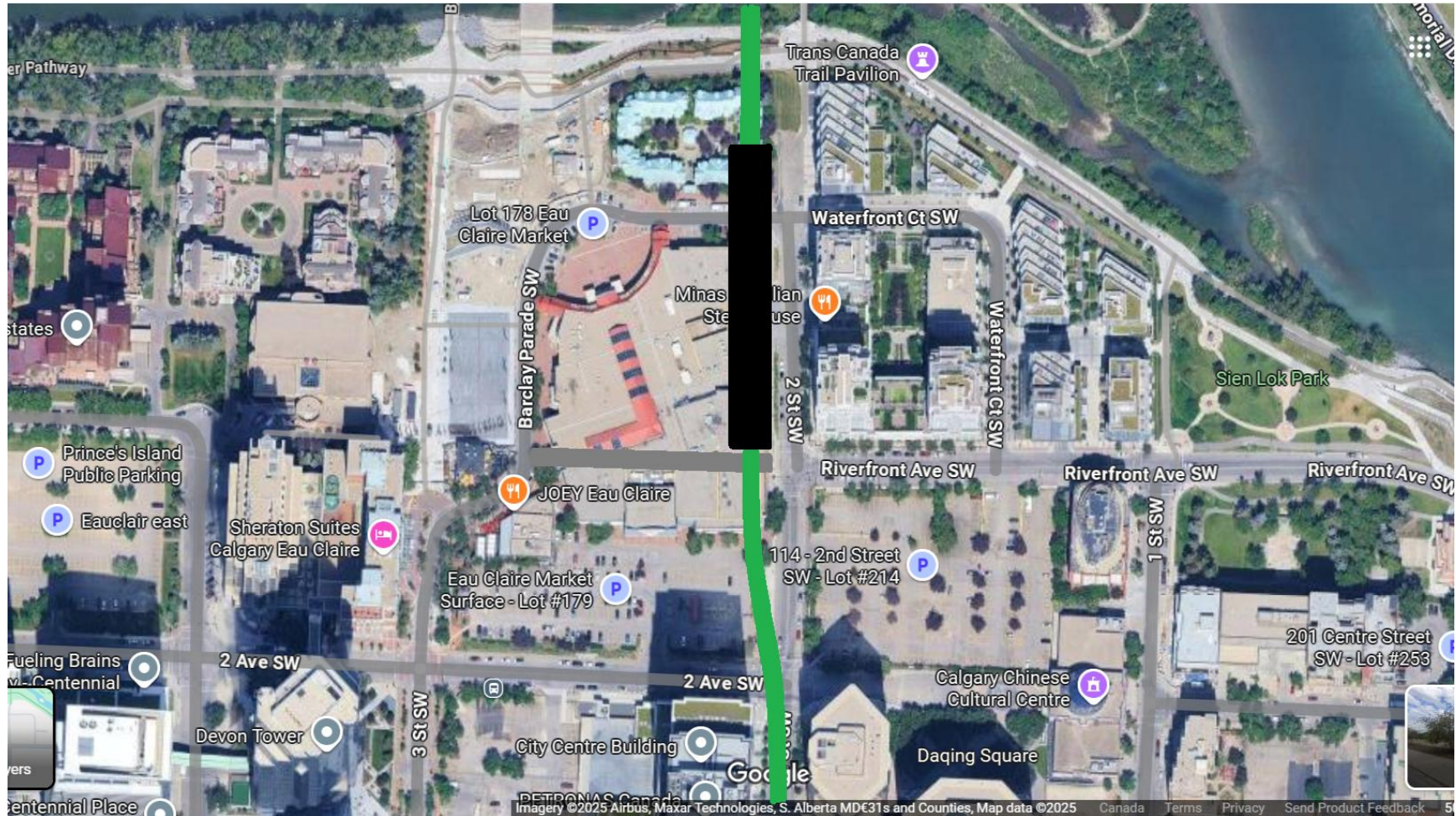
Eau Claire Station Style

- This is the Burquitlam Station in Metro Vancouver.
- A similar style of station could be built on the vacant land for Eau Claire with a full covered roof.



Eau Claire Station Location

- Platform length of around 126m.



Disclaimer: The author is not a professional planner, consultant, or a member of any group. The options are an idea for the Calgary Green Line Downtown. The calculations are as accurate as possible based on information available on the internet.