Canada Line



1. Asset information

Canada Line is a 19.5 km automated rail-based rapid transit service connecting downtown Vancouver with Richmond and the Vancouver International Airport. The Canada Line Project:



- Consists of 16 stations along the 19.5 km route
- Has a speed of up to 80 km/h and can accommodate up to 400 passengers per train with a fleet of 20 driverless, fully automated, articulated two-vehicle metro trains
- Connects with existing rapid transit lines at Waterfront Station and major east-west transit services, creating an enhanced transit network with the capacity equivalent to 10 major road lanes.

The project became operational in 2009 and the concession runs until 2040. Availability payments are received from Translink, a highly rated government entity responsible for transportation in the Greater Vancouver Regional District. This critical transit line helps sustain the growth of the cities of Vancouver and Richmond: the transportation corridor is one of the busiest in Greater Vancouver and home to one-third of the region's jobs and 20 percent of its population.

2. Impact

Estimated daily ridership: 120,000Number of jobs created: ~250





3. Awards and certifications

- Award of Excellence, Transportation, Canadian Consulting Engineers of British Columbia (2010)
- Lieutenant-Governor's Award for Engineering Excellence, Canadian Consulting Engineers of British Columbia (2010)
- Energy and Environmental Design Award, Award of Excellence, Illuminating Engineering Society (2010)
- Gold Award for Infrastructure, Canadian Council for Public-Private Partnerships (2009)
- Infrastructure Deal of the Year (Americas), Project Finance International Awards (2005)
- North American Transport Deal of the Year, Euro Money Project Finance Magazine (2005)

4. Environment

GHG emissions

The Canada Line LRT project itself is a clean, efficient and healthy public transportation option servicing one of the busiest transportation corridors in Greater Vancouver. Diaily ridership n 2024 averages over 119,000 trips per day.

Canada Line is an integral part of Vancouver's mass transportation network to reduce overall greenhouse gas emissions of the region for years to come. The Operator has a strict no idling policy in order to reduce greenhouse gases and to minimize the use of fossil fuels.



Climate risk

The project was screened to evaluate the potential physical impacts from climate change based on 'Paris-aligned' (RCP2.6 ~+1°C) and 'High emissions' (RCP8.5 ~+3.7°C) scenarios across three time periods (2020, 2050 and 2100). The project maintains a Low physical climate risk score under both scenarios until 2050.

Waste & Water

The Operator recycles as much waste as possible from their own consumables and from debris that is collected along the railway and stations. From cardboard to plastics, etc. A comprehensive waste management program has been established.

The train wash waste water is being tested monthly for compliance with City of Vancouver permit requirements and the Canada Line is in full compliance of all environmental regulation. Canada Line is also committed to no inadvertent spills adversely affecting the environment.

The Portfolio Company continues to monitor waste and water consumption and is actively exploring opportunities to reduce them wherever possible.

Biodiversity

The asset is built in compliance with local environmental regulations.

Noise and air quality

The Canada Line project actively monitors noise along the corridor and surrounding neighbourhoods. Monthly testing is conducted to confirm levels are within the guidelines of the Concession Agreement. When levels are exceeded, a work order is generated and track or wheel grinding is scheduled.

- Rail condition noise levels: maximum allowable level specified in concession Agreement.
- Rail condition noise exception list: maximum allowable level specified in concession agreement.
- Wheel condition noise levels: maximum allowable level specified in concession agreement.
- Stationary train noise levels: maximum allowable level specified in Concession Agreement.

5. Social

Health & Safety

Health and safety is on the agenda each board meeting. Our asset managers work actively with the Portfolio Company or its management service providers, to promote a strong health and safety culture, facilitate the sharing of best practices.

We endorse a zero-tolerance approach to occupational health and safety incidents. The Portfolio Company is proud to consistently exceed Provincial safety performance requirements

Diversity

The Portfolio Company strives to create a workplace environment where everyone has an equal opportunity to perform at the highest levels, realise their potential and be recognised for it. The Canada Line Project Co's Co-President and CFO is the Chair of the BC Women's Infrastructure Network that help promote and support women in infrastructure.

Both the Concessionaire and the Operator have a diverse workforce.

Additionally, the Portfolio Company has a Diversity policy in place.

Impact for local communities

Canada Line plays a crucial role in providing an accessible and affordable transportation option to the community.

The Operator works closely with all communities in the area to provide guided tours, education, and participation in community events.

The Concessionaire has made contributions to Canadian Mental Health and the Vancouver Food Bank.

As part of its Art Program, Canada Line exhibited works from Capture Photography Festival and other artists to display works on exterior station glazing that enriches the visual appeal of the neighbourhood.



6. Governance

Delegation & oversight

The Portfolio Company directors review on a quarterly basis comprehensive board report, including both general project management and financial management. The project has a rigorous governance structure in place with quarterly board meetings, ad-hoc meetings when required and an authority delegation matrix to the management services provider.

The Portfolio Company has robust ESG policies and procedures in place and clear board-level responsibility to monitor their application. The ESG standard policies include:

- Biodiversity policy
- Code of Conduct, including anti-bribery, anti-corruption and non-discrimination
- Conflict of interest
- Cyber-security
- Diversity
- ESG
- Health and safety (workplace accident prevention)
- Anti-slavery & Human Trafficking policy (Modern Day Slavery)
- Rapid escalation
- Responsible contractor
- Tax
- Whistleblowing

The Portfolio Company holds frequent meetings with the public sector client to promote collaboration, coordination and integration of operations.

Reporting

The Portfolio Company uses a quarterly board pack, reporting to the board of directors on the operational and financial performance of the project and compliance with its obligations and regulation/legislation, including the policies.

Additionally, the Portfolio Company reports annually into BBGI's ESG KPI survey, which composed of 100+ data points, covering all aspects of ESG oversight.

Cyber security

Portfolio Company and its subcontractors continuously monitor that the cyber security policy is in place and perform information risk analysis and develops mitigating measures. They have a robust and comprehensive IT backup system in place. Additionally, the Portfolio Company has a Cyber security policy in place.

