

# Champlain Bridge



## 1. Asset information

The new Champlain Bridge in Montreal, Canada, is a major infrastructure initiative completed in 2019, replacing the former ageing bridge. Spanning the St. Lawrence River, the modern cable stayed bridge supports over 50 million vehicles annually and integrates lanes for public transport, pedestrians, and cyclists. Designed for durability, the 3.4 km structure features advanced materials to withstand harsh weather conditions, reducing maintenance needs. The 10 km corridor also includes updated motorways and ramps, enhancing traffic flow and connectivity between Montreal and the South Shore. It reflects sustainable construction practices, ensuring long-term economic and environmental benefits for the region.



## 2. Impact

- Reliable and resilient transport and reduced travel time for c. 50 million vehicles per year



## 3. Awards and certifications

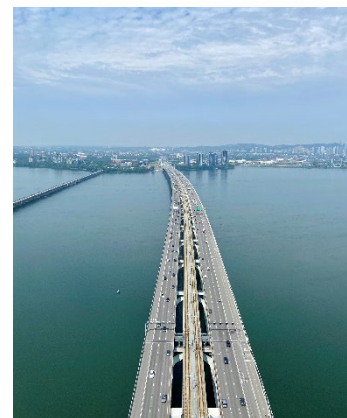
- Canadian Consulting Engineering Schreyer Award (2020)
- American Council of Engineering Companies National Grand Award (2020)
- American Council of Engineering Companies International Transportation Structure Award (2020)
- American Concrete Institute (Quebec and Eastern Ontario Chapter) Excellence Award (2020)
- Precast/Prestressed Concrete Institute (PCI) Honor Award (2020)
- Association québécoise des transports "Prix Infrastructures" (2019)
- Canadian Society for Civil Engineering Government Leadership Award (2019)
- Canadian Institute of Steel Construction (Quebec Region) Award of Excellence (2019)
- Institute for Sustainable Infrastructure ENVISION® Platinum award (This is the first ENVISION® project evaluated in Quebec and the first large-scale bridge in Canada to receive the award.) (2018)

 **Find out more:** [www.samueldechamplainbridge.ca](http://www.samueldechamplainbridge.ca)

## 4. Environment

### GHG emissions

Champlain Bridge prioritised reducing greenhouse gas (GHG) emissions through sustainable construction practices. The corridor incorporates energy-efficient LED lighting and extensive landscaping and tree planting initiatives. Public transport lanes promote eco-friendly commuting, while significant recycling initiatives reduce waste. Environmental monitoring and carbon reduction strategies were integrated in the operations phase, ensuring the project aligns with BBGI's climate goals while supporting sustainable urban development in the region.



### 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 RCP2.6 and Medium under RCP 8.5 as of 2050.

### Waste & Water

During the operations phase of the project, the Project Company and operations team actively recycle waste from their own consumables and debris collected along the roadway. Materials such as cardboard, plastics, tyres, asphalt, and even burnt flares are recycled to minimise environmental impact. Spills are actively contained to prevent contaminated water to enter the drainage system. The management services provider 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. During the concession period, the Portfolio Company focuses on promoting restoration efforts to improve degraded or removed ecosystems that act as natural carbon sinks and can improve resilience to climate-related damages, such as:

- nests for endangered Peregrine falcons and cliff swallows
- creation of wetland habitats and restoration of an existing marshland
- establishment of spawning grounds
- protection measures for migratory birds such as control of architectural lighting
- protection measures for and monitoring of endangered brown snakes

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



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## Noise and air quality

The project actively monitors noise along the motorway and surrounding neighbourhoods. Noise attenuation walls were installed along the project corridor.

The Portfolio Company has begun an electric patrol vehicle transition program to reduce its fleet's fuel consumption. The project also monitored air quality around the project during construction.

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## 5. Social

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### 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. Additionally, the Portfolio Company has a Health & Safety policy and prevention program in place and regularly conducts health and safety audits through its employee Health & Safety Committee.

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### Diversity

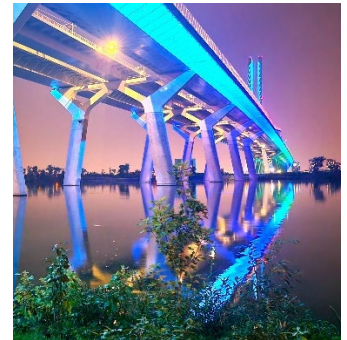
The Portfolio Company strives to create a workplace environment where everyone has an equal opportunity to perform at the highest levels, realise their potential and be recognised for it. Additionally, the Portfolio Company has a Diversity policy in place.

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### Impact for local communities

Champlain Bridge prioritises community engagement and environmental harmony. Efforts include real-time updates on traffic and multi-use path conditions through its website. To enhance the visual appeal, plexiglass noise walls were installed to maintain scenic views, while architectural lighting highlights significant events. Additional measures, such as suicide prevention strategies, were implemented to support public safety. The project also focused on beautifying the corridor, contributing to both community well-being and local aesthetics.

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## 6. Governance

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### 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:

- Environmental Protection & Pollution Prevention
- Code of Conduct, including anti-bribery, anti-corruption and non-discrimination
- Conflict of interest
- Cyber-security
- ESG & Diversity
- Health and safety (workplace accident prevention)
- Anti-slavery & Human Trafficking policy (Modern Day Slavery)
- Responsible Vehicle Usage
- Rapid escalation & Emergency Response
- Responsible Contractor Procurement
- Tax
- Whistleblowing

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

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### 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.

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### 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.



# Contact

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