



The Jacques Cartier and Champlain Bridges Incorporated

Annual Public Meeting 2018-2019

Presented via webcast
February 13, 2020





Ponts
JACQUES CARTIER +
CHAMPLAIN
Bridges
Canada

Agenda for the Annual Public Meeting

- + Opening remarks
- + Celebrating the Corporation's 40th anniversary
- + JCCBI's mandate and mission
- + Activity overview
- + Our major projects
- + Analysis of financial results
- + Question period



Celebrating JCCBI's 40th in 2018-2019

Nathalie Lessard, Director, Communications



JCCBI's 40 years



A special anniversary

- + JCCBI marked its 40th anniversary from November 3, 2018 to November 2, 2019

Theme

JCCBI, 40 years of engineering innovation

Some of our activities

- + Creation of a special page on our website
- + 40th anniversary photo album with 40 highlights
- + Timeline with key events
- + Social media outreach campaign
- + JCCBI's 40th Anniversary Symposium (technical lectures)



JCCBI's Mandate and Mission

Paul T. Kefalas, Chair of the Board of Directors



+ A Year of Change



Two key events from 2018-2019

- + New Chief Executive Officer: Sandra Martel, Eng.
 - Departure of Mr. Glen P. Carlin after 29 years of loyal service (fall 2018)
 - Ms. Martel served as interim CEO for 7 months
 - Ms. Martel was officially appointed CEO on May 20, 2019

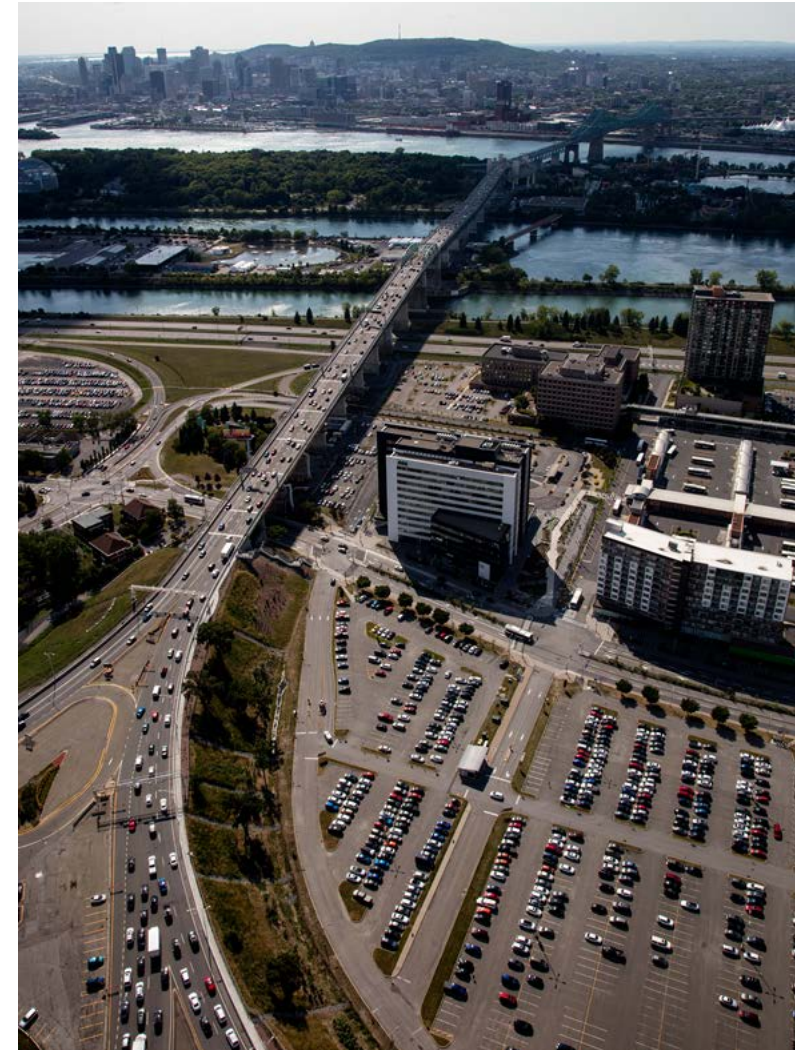
- + Deconstruction of the original Champlain Bridge awarded to the Corporation



A Core Partner of Montreal's Mobility



- + Federal Crown corporation
 - Reports to the Minister of Infrastructure and Communities, the Honourable Catherine McKenna
- + Proactive asset management
 - Planning that accounts for the age of our structures
 - Securing funding to maintain our structures
- + Major maintenance program
 - Help people safely get where they need to go
 - Extend the service life of our infrastructure
 - Responsible management of public funds



Our Mission and Projects



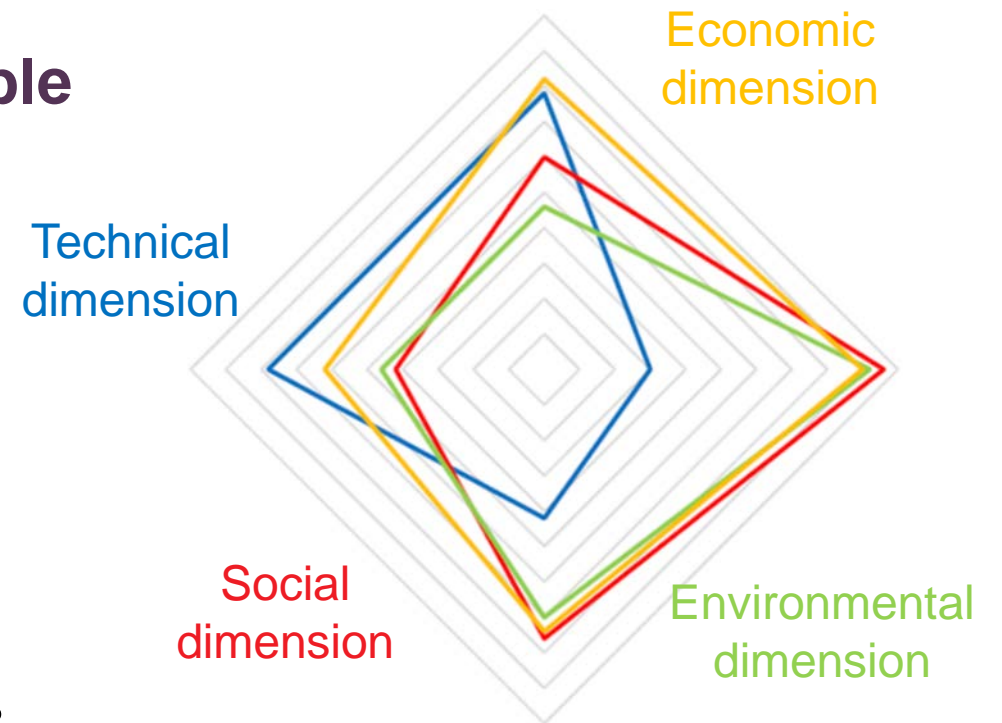
Our mission: Help users get where they need to go and ensure the safety and longevity of our infrastructure by applying systemic management based on a sustainable development approach.

Our approach is in line with major sustainable development principles:

- economic
- social
- environmental
- technical

Our projects:

Our organization looks to the future and emphasizes responsible project management.



+ Our Practices and Vision



+ **Board of Directors**

- Management of administrative and technical risks
- Ensure that the Corporation's structures last

+ **Management team**

- Very active mandate
- Important projects, such as the deconstruction of the Champlain Bridge
- Ongoing improvement to practices and processes

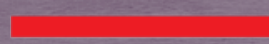
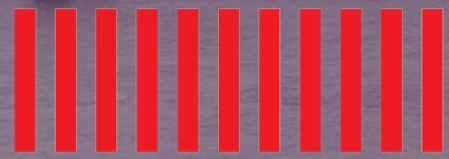
+ **Entire JCCBI team**

- Our vision: Become a leader in the management of major infrastructure as an
 - + innovative expert
 - + mobility leader
 - + social and urban contributor



Activity Overview

Sandra Martel, Eng., Chief Executive Officer



A Few Facts about JCCBI



175
employees

Multidisciplinary Team

175 employees in engineering, construction, operations, administration, and senior management



25.5
km

Key Road Network

25.5 km connecting the South Shore and Montreal



6.4
km

Active Transportation

6.4 km of dedicated bicycle paths



122
\$M

Investments

\$122M invested in 2018-2019 in major work



513,387

Website

513,387 unique visitors on its website



+ Investment in Major Work

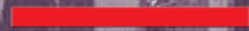
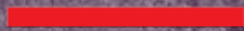
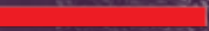
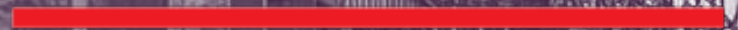
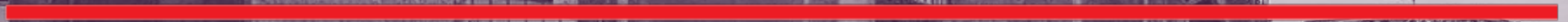


Uphold mobility and safety and extend the service life of our structures

| STRUCTURE | INVESTMENT IN MAJOR WORK |
|------------------------------------|--------------------------|
| Jacques Cartier Bridge | \$45M |
| Champlain Bridge | \$33M |
| Deconstruction of Champlain Bridge | \$5M |
| Honoré Mercier Bridge | \$19M |
| Autoroute Expressway | \$10M |
| Champlain Bridge Estacade | \$6M |
| Melocheville Tunnel | \$2M |
| Solution Bonaventure | \$2M |
| TOTAL | \$122M |



Innovative Expert



2018-2019: 40 years of engineering innovation

- + Use of innovative solutions to maintain the Champlain Bridge
 - The use of composite materials
 - Modular trusses added under the edge girders
 - Continuous monitoring with 335 sensors
- + Use of innovative material on the Bonaventure Expy.
 - Pilot application of ultra-high performance fibre-reinforced concrete
- + Ice impact study on the Champlain Bridge Ice Control Structure
- + 29 lectures: sharing expertise with other industry experts



Two prestigious awards

- + **Solution Bonaventure:** *Élixir Award* from the *Quebec Association of Professionals in Project Management* – Innovative construction method for the retaining wall in the East sector
- + **Illumination of the Jacques Cartier Bridge:** *Prix Distinction* from *Tourisme Montréal* – A project that helps raise Montreal's profile





Social and Urban Contributor

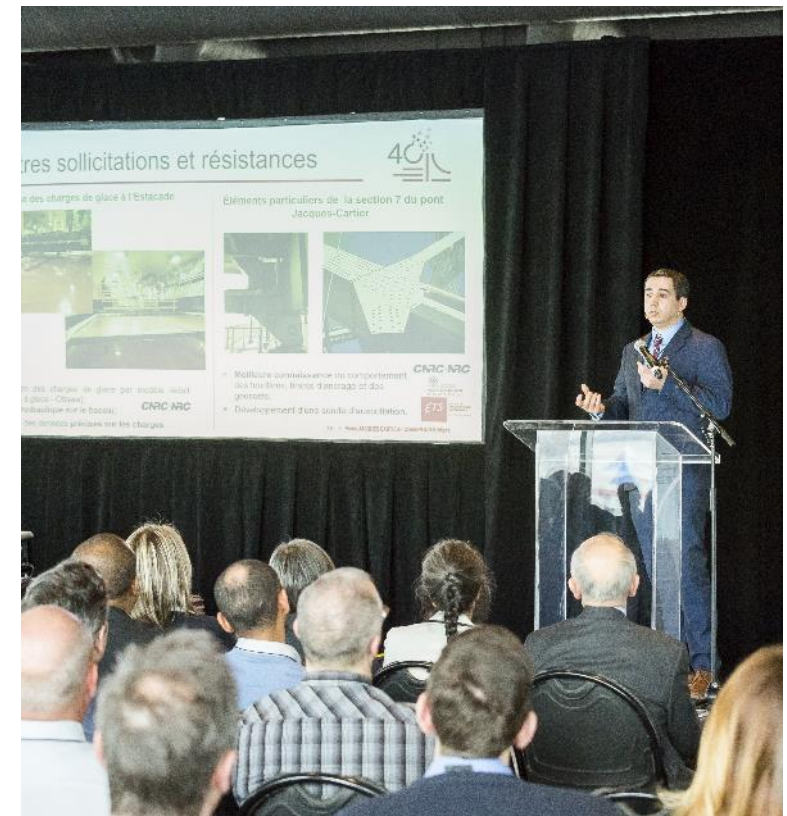


+ Social and Urban Contributor



53 collaborations with various events and organizations in 2018-2019

- + **24 lectures** and activities at universities (ÉTS, Polytechnique Montréal and McGill University)
- + Partnerships with:
 - Sentier Urbain
 - Opération Bonne Mine
 - Spectre de rue
 - Les Valoristes
 - Civil engineering, mobility and SD events
 - Escales improbables: Cardboard replica of the Jacques Cartier Bridge
- + **Centraide of Greater Montreal** – contribution from JCCBI staff: over \$10,000 in personal donations



+ Sustainable Development



At the core of JCCBI's mission

- + Five-year action plan (2016-2021)
 - 8 themes, 33 goals and 123 actions
 - Aligned with objectives of the federal government and the UN
- + Deployment of a sustainable procurement approach
- + Public consultations, good neighbourly relations committee and stakeholder management
- + Deconstruction of the Champlain Bridge aligned with major sustainable development principles



Mobility Leader



Helping get people and goods around Montreal

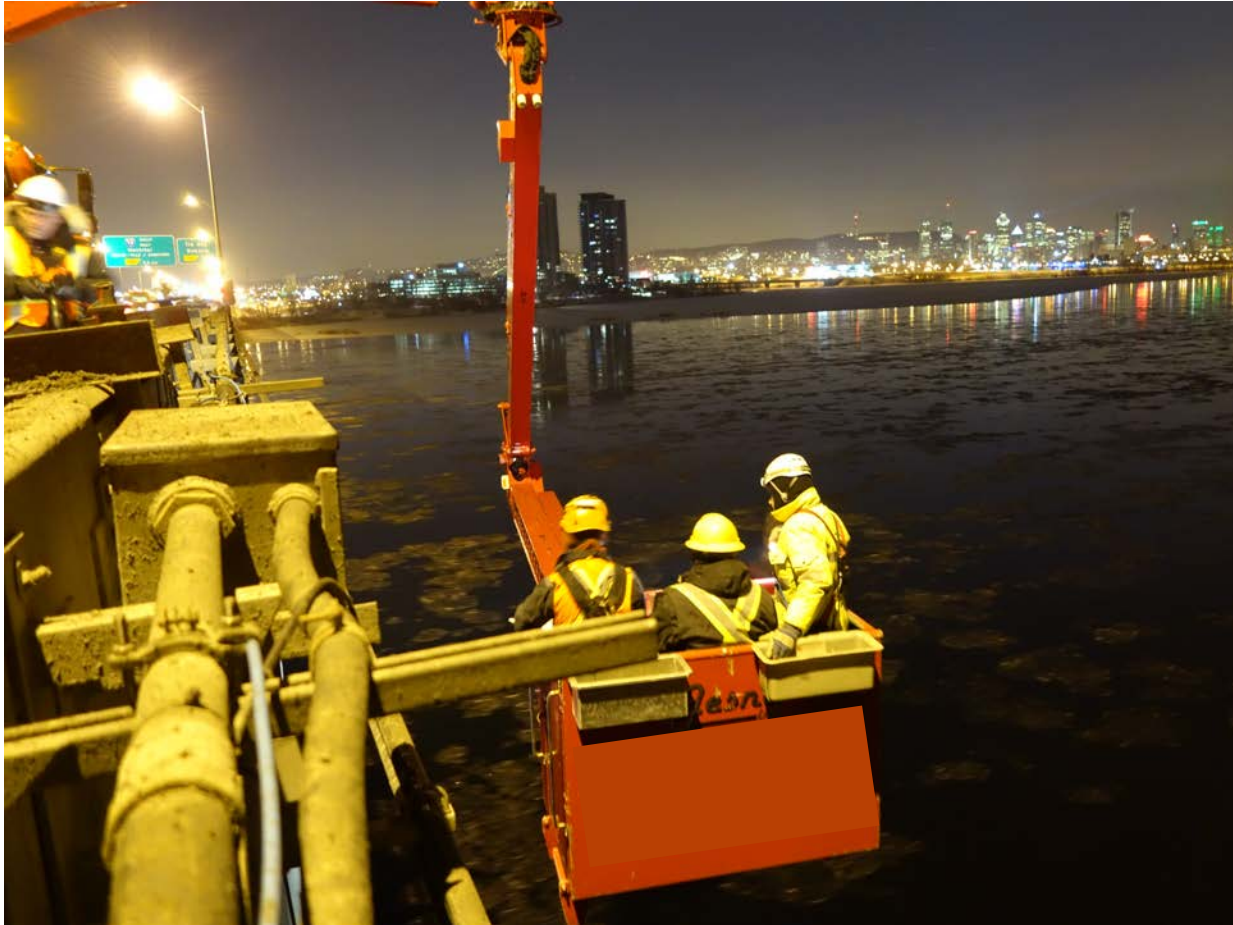
- + 10-year planning of work; work site optimization
- + Minimize impacts on traffic
- + Active member of Mobility Montréal
- + Integrated traffic management system and fibre optic loop
- + Proactive communication with users (website, Twitter, emails, etc.)

59,625 
Subscribers to the Corporation's
digital platforms

4,009,500 
Impressions of JCCBI's
posts on Twitter

182 
Work advisories sent to users

+ Thank You to Our Teams!



- + Our projects, work and achievements are only possible thanks to the work and expertise of our staff.
- + To all our teams who actively work on our structures and at our sites, thank you for your commitment and your talents!



Our Major Projects

Catherine Tremblay, Eng., Senior Director, Projects



+ Jacques Cartier Bridge: \$45M



Extend its service life (150 years)

- + Reinforcement of the steel structure in 5 sections
- + Repairs to two viaducts (Longueuil)
- + Repairs to both Parc Jean-Drapeau access ramps
- + Replacement and reinforcement of dissuasive fencing and guard rails
- + Start of program to replace paint system on the superstructure
- + Start of implementation of a fibre optic network and integrated traffic management system



+ Champlain Bridge: \$33M



Keeping the Champlain Bridge safe

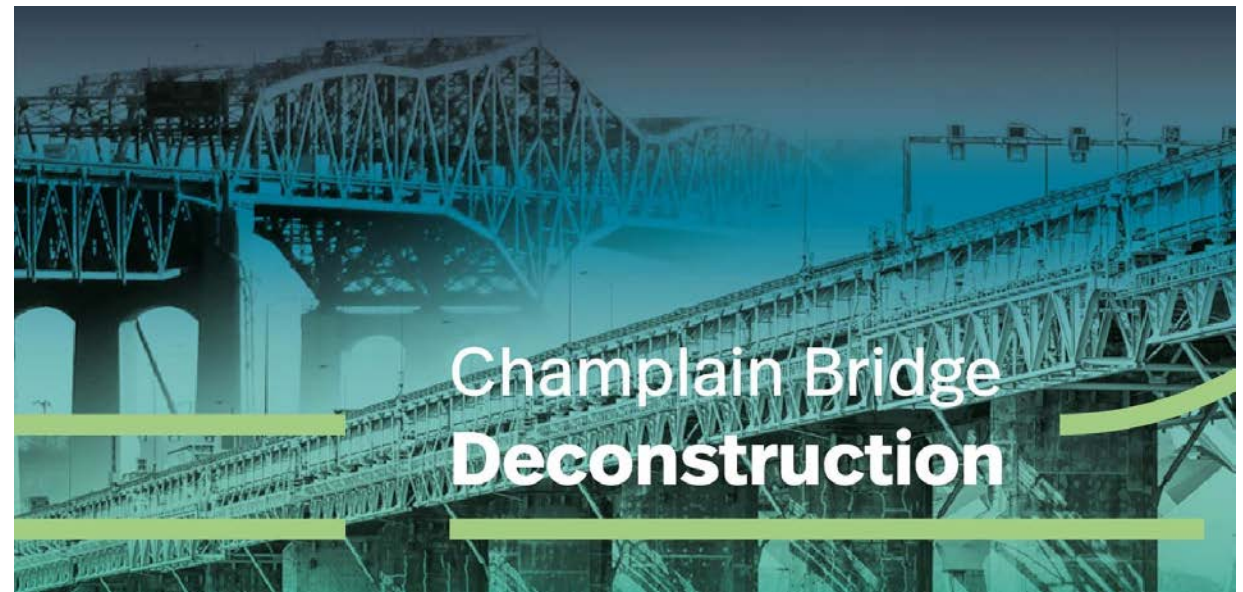
- + Manufacturing and installation of reinforcement systems on 30 additional pier caps
- + Reinforcement of 8 interior girders (3 with external post-tensioning and 5 with queen-posts)
- + Reinforcement and repair of 5 pier footings
- + Continuation of inspections and 24/7 monitoring
- + Manufacturing of a universal modular truss and a diaphragm reinforcement system
- + The bridge is reinforced, monitored, stable and safe

+ Champlain Bridge Deconstruction \$5M



The Corporation was awarded the Champlain Bridge deconstruction

- + This project will be carried out following major sustainable development principles
 - + Important environmental protection measures
 - + Nuisance mitigation measures (dust, noise and traffic)
 - + Material reuse
 - + 10 research and development projects
 - + Shoreline redevelopment
- + Largest project in the Corporation's history



+ Bonaventure Expressway: \$10M



Maintaining this structure at the end of its service life

- + Various repairs
 - + Structure of the elevated sections
 - + Road surface of the non-elevated sections

Operation of the systems of the Solution Bonaventure

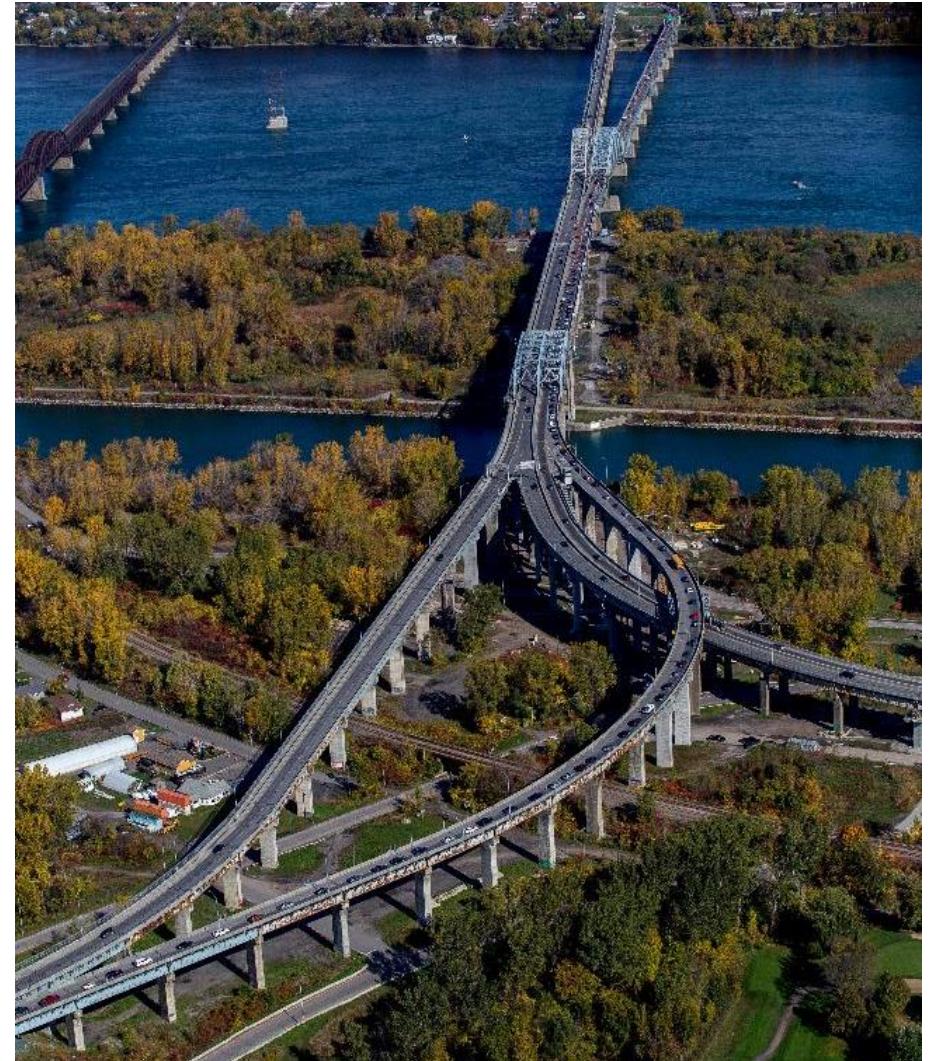
Decommissioning of Ile des Soeurs bypass bridge

+ Honoré Mercier Bridge: \$19M



Work in partnership with the Mohawk community

- + Pier repairs
- + Replacement of the paint system on part of the steel structure
- + Replacement of a section of the inspection gangways
- + Start of prefeasibility studies
 - + Paving repairs
 - + Bicycle path extension and embankment reinforcement
 - + Creation of a memorial pathway at the bridge entrance





Analysis of Financial Results

RESPONSIBLE INVESTMENT

Claude Lachance, Senior Director, Administration



+ Performance Analysis



Corporation's funding

- + Parliamentary appropriations from the Government of Canada
- + Revenue from leases and permits

Financial management principles

- + Vigilance
- + Transparency
- + Rigorous process for contract procurement and administration



**Gouvernement
du Canada**

+ Statement of Financial Position



As at March 31

| | ACTUAL (in millions of \$) 2017-2018 | ACTUAL (in millions of \$) 2018-2019 |
|----------------------|---|---|
| FINANCIAL ASSETS | 72.5 | 53.1 |
| LIABILITIES | 95.1 | 78.0 |
| NON-FINANCIAL ASSETS | 581.9 | 590.8 |
| ACCUMULATED SURPLUS | 559.3 | 565.9 |

+ Statement of Operations



As at March 31

| | ACTUAL (in millions of \$) 2017-2018 | ACTUAL (in millions of \$) 2018-2019 |
|---|---|---|
| REVENUES | 1.5 | 1.7 |
| EXPENSES | 129.9 | 156.4 |
| Deficit before Government of Canada funding | (128.4) | (154.7) |
| Transfer payments – Operating expenses | 117.3 | 111.0 |
| Transfer payments – Tangible capital assets | 52.8 | 50.3 |
| ANNUAL OPERATING SURPLUS | 41.7 | 6.6 |

Question Period





PJCCI, 40 ANS D'INNOVATIONS INGÉNIEUSES
JCCBI, 40 YEARS OF ENGINEERING INNOVATION

Participez à la conversation / Join the conversation

JacquesCartierChamplain.ca

