

FACT SHEET

MATERIAL REUSE

DECONSTRUCTION OF THE CHAMPLAIN BRIDGE

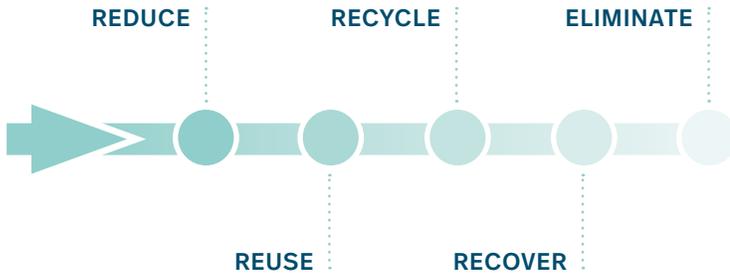


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The deconstruction of a 3.4-km bridge will generate a massive volume of materials. In fact, nearly 250,000 tonnes of concrete, 25,000 tonnes of steel and 12,000 tonnes of asphalt needs to be removed from the Champlain Bridge.

For the deconstruction project, and in line with its sustainable development approach, JCCBI will deploy a program to recover and reuse bridge materials to reduce the project's environmental footprint and create benefits for the community. A priority for this program will be to reuse materials as much as possible to avoid sending them to a landfill as per a 4RE approach: reduce, reuse, recycle, recover—and only then eliminate.

4RE approach



Material traceability

Consultations will be held with the project stakeholders to define a traceability system that fosters the reuse of these materials.



Share your ideas about how we can reuse the materials from the Champlain Bridge!

1. Join the discussion and share your thoughts at champlaindeconstruction.ca
2. Sign up for workshops that will be held in fall 2019
3. Attend public meetings in 2020 to talk with our experts

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advance innovation



For more information, visit

champlaindeconstruction.ca

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Material reuse

Initiatives based on international best practices are being developed to promote the reuse of materials. We will then identify and implement conditions that will lead to different ways of recovering and reusing the concrete, asphalt, and steel from the bridge.

JCCBI is also conducting a reflection process on mechanisms to encourage the local reuse of materials. Based on feedback from a call for interest and ongoing public consultations, the developed approach will help us identify local projects in which these materials can be reused. In addition to being incorporated into future infrastructure projects, the recovered materials could also find a second life in works of art or at museums.

A number of examples of steel reuse can be seen in the urban landscapes of major cities. JCCBI wants to follow these examples for the Champlain Bridge deconstruction project.

To drive the discussion and promote reuse, a list of materials available for reuse as well as mechanisms for selecting projects and distributing the materials will be issued in the coming months.



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