



Ponts  
JACQUES CARTIER +  
CHAMPLAIN  
Bridges  
Canada

# Deconstruction of the Original Champlain Bridge Public Meeting

September 19, 2022



## Presenters

- **Moderator: Jacques Bénard**  
President, Jacques Bénard médiation + facilitation Inc.
- **Nathalie Lessard**  
Director, Communications, JCCBI
- **Olivier Vincent**  
Project Director, Champlain Deconstruction, JCCBI
- **Simon Hébert**  
Assistant Project Director, Nouvel Horizon Saint-Laurent



# Agenda

- + Status of the deconstruction project
- + Major work blitzes this fall –  
Brossard sector
  - Work methods
  - Impacts and mitigation measures
- + Communication with citizens
- + Question period



# Ask a Question

1. Click on the “chat” icon with a question mark at the top right of the screen
2. Enter your question at the bottom right of the screen
3. Click “Send”







# Status of the Deconstruction Project

Olivier Vincent, Eng.

Project Director, Champlain Deconstruction, JCCBI





# Work Completed as of August 30, 2022



**67%**  
overall  
completion

**39** spans

**38** piers

**26** footings

**2** complaints  
in 26 months



- + On time (End scheduled for January 2024)
- + On budget (\$225.7M + direct costs related to COVID-19)

# 43 Months for the Deconstruction



## Section 5: St. Lawrence River | August 2020 – January 2024



## Section 6: Seaway | April 2021 – January 2024



## Section 7: Brossard | May 2022 – January 2024



Shoreline Redevelopment:  
2024-2025

2020

2021

2022

2023

2024

2025

JL-SE OC-DE JA-MR AL-JN JL-SE OC-DE JA-MR AL-JN JL-SE OC-DE JA-MR AL-JN JL-SE OC-DE JA-MR AL-JN JL-SE OC-DE JA-MR





# Major Work Blitzes Brossard Sector

Simon Hébert, Assistant Project Director, NHSL





# Major Work

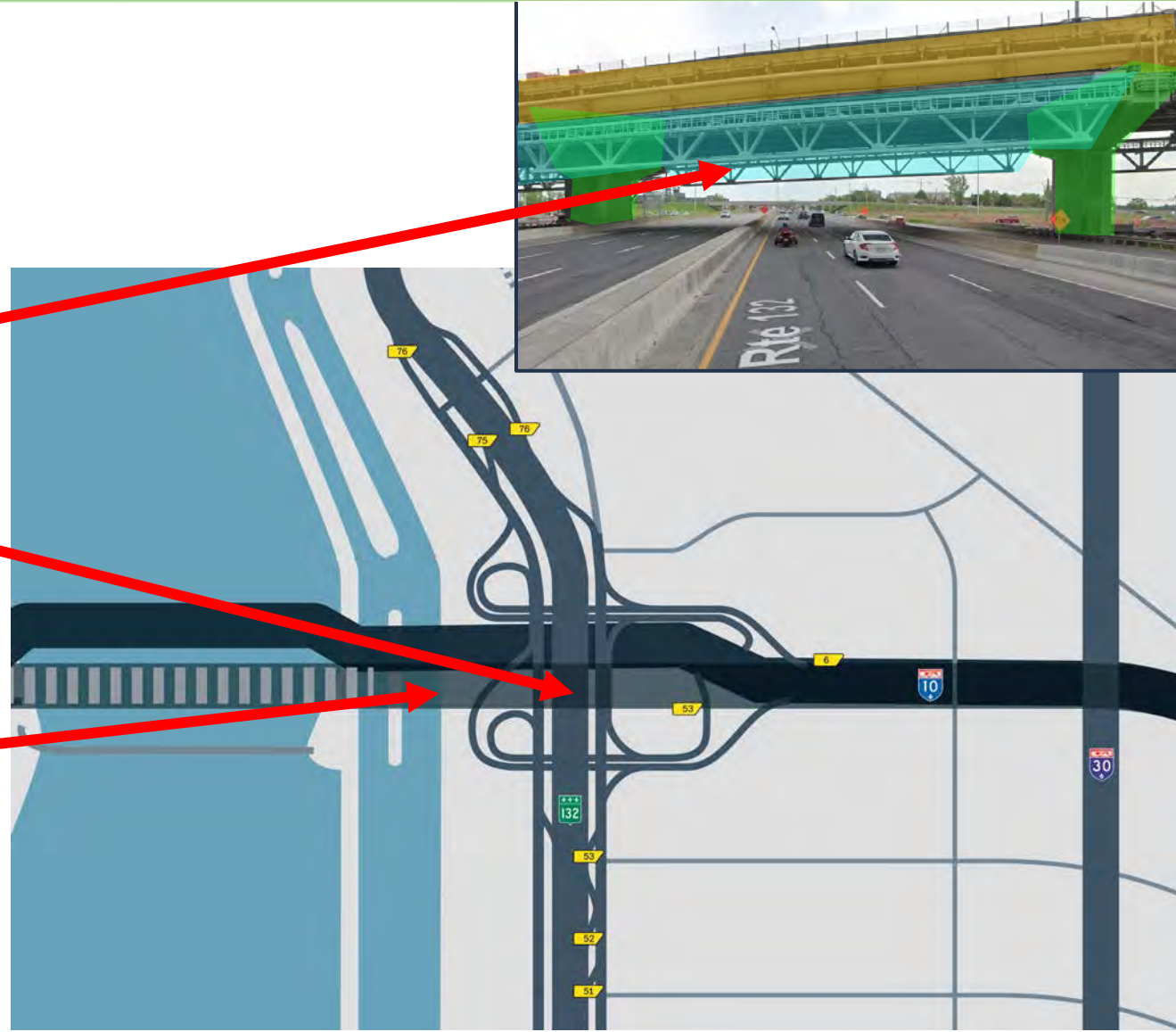


## 1 - Mid-September to end of November 2022

- + Preparatory work to deconstruct the spans above Hwy. 132
- + Removal of modular trusses
- + Demolition of spans over Hwy. 132

## 2 - October 2022 to April 2023

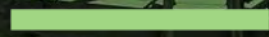
- + Spans deconstructed on the Brossard jetty
- + Concrete treated below on the jetty







# Work Methods





# Removal of Modular Trusses (September)



1. Preparatory work consisting of bolt removal and lifting preparations
2. Removal of **8 trusses** lifted away with two cranes, one per end
3. Trusses placed on the ground or on supports, as necessary
4. Trusses taken apart into “transportable” sections
5. Off-site disposal and recovery of trusses and recycling of steel



\* **Weather-sensitive work; dates may change**



# Removal of Spans and Piers



## 2 methods

- + **Section 4E to 8E (on the jetty):**  
Mechanical deconstruction, girder by girder  
(October 2022 to April 2023)
- + **Section 8E to 12E (Hwy. 132 and M-V Blvd.):**  
Blitz to mechanically demolish  
3 spans and 3 piers  
(mid-September to end of November 2022)

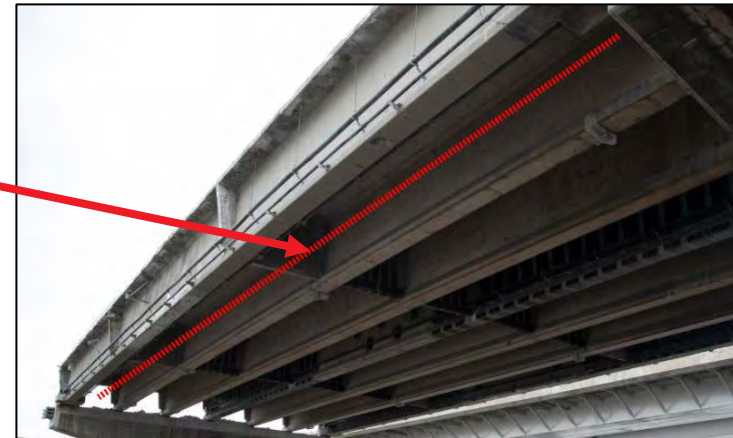




# Removal of Spans 4E to 8E (on the jetty)



- + Work to **saw** apart the concrete girders
- + **Deck** mechanically deconstructed girder by girder
- + **Piers** that support the spans mechanically demolished
- + **Recovery** and treatment of concrete on the ground
- + Materials **taken away** for recovery and reuse





# Removal of Spans 8E to 12E (Hwy. 132 and Marie-Victorin Blvd.)



- + Complete lane closures
- + **Protection** of lanes and equipment start-up
- + Mechanical deconstruction of **decks** and **piers** by 16 specialized excavators
- + Removal and **storage** of concrete on either side of the road
- + Materials **taken away** for recovery and reuse in the days following the work
- + Traffic lanes **cleaned** and reopened



Photo credit: Delsan





# Impacts and Mitigation Measures

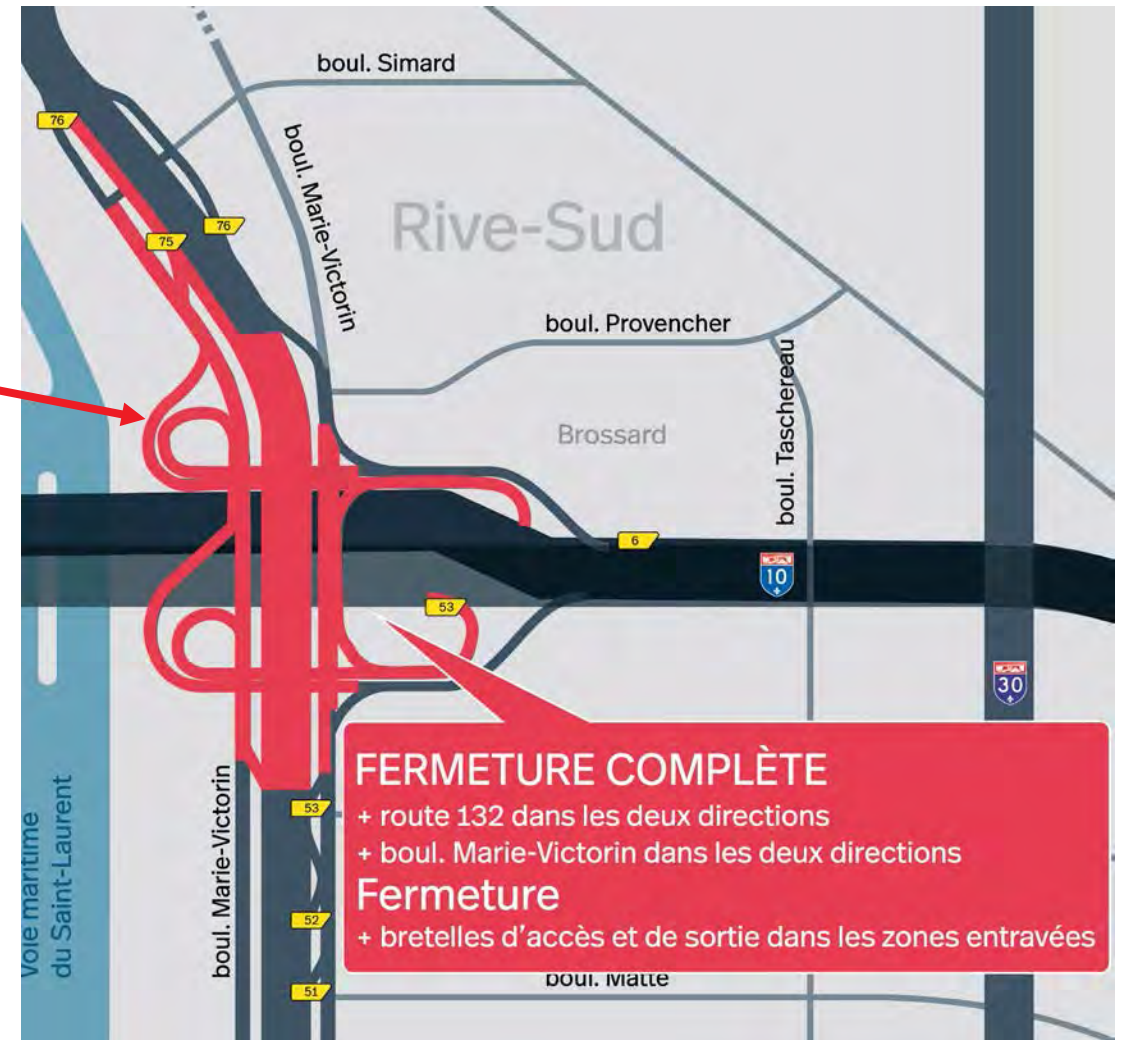




# Impacts on Traffic



- + **6 weekend blitzes** (11:00 p.m. on Friday to 5:00 a.m. on Monday), only 2/6 are as important as this one
- + Complete closure of Hwy. 132 **OR** Marie-Victorin Blvd. **in one or both directions**
  - During the closures on Marie-Victorin Blvd., the on- and off-ramps in the affected areas will be closed by default
- + 6 complete weeknight closures of Marie-Victorin Blvd. and the on- and off-ramps





# Blitz Schedule (from Friday, 11 p.m. to Monday, 5 a.m.)



## Removal of modular trusses (weather-sensitive work)

1. September 16-17-18
2. **September 23-24-25**
3. Sept. 30 - Oct.1-2
  - October 7-8-9: if the work is postponed
  - October 14-15-16: if the work is postponed

## Demolition of spans, piers and footings: Hwy. 132 and Marie-Victorin Blvd.

1. **November 4-5-6**
2. November 18-19-20
3. November 25-26-27

**\*\* Dates may change depending on the weather or work progress.**





# Other Impacts

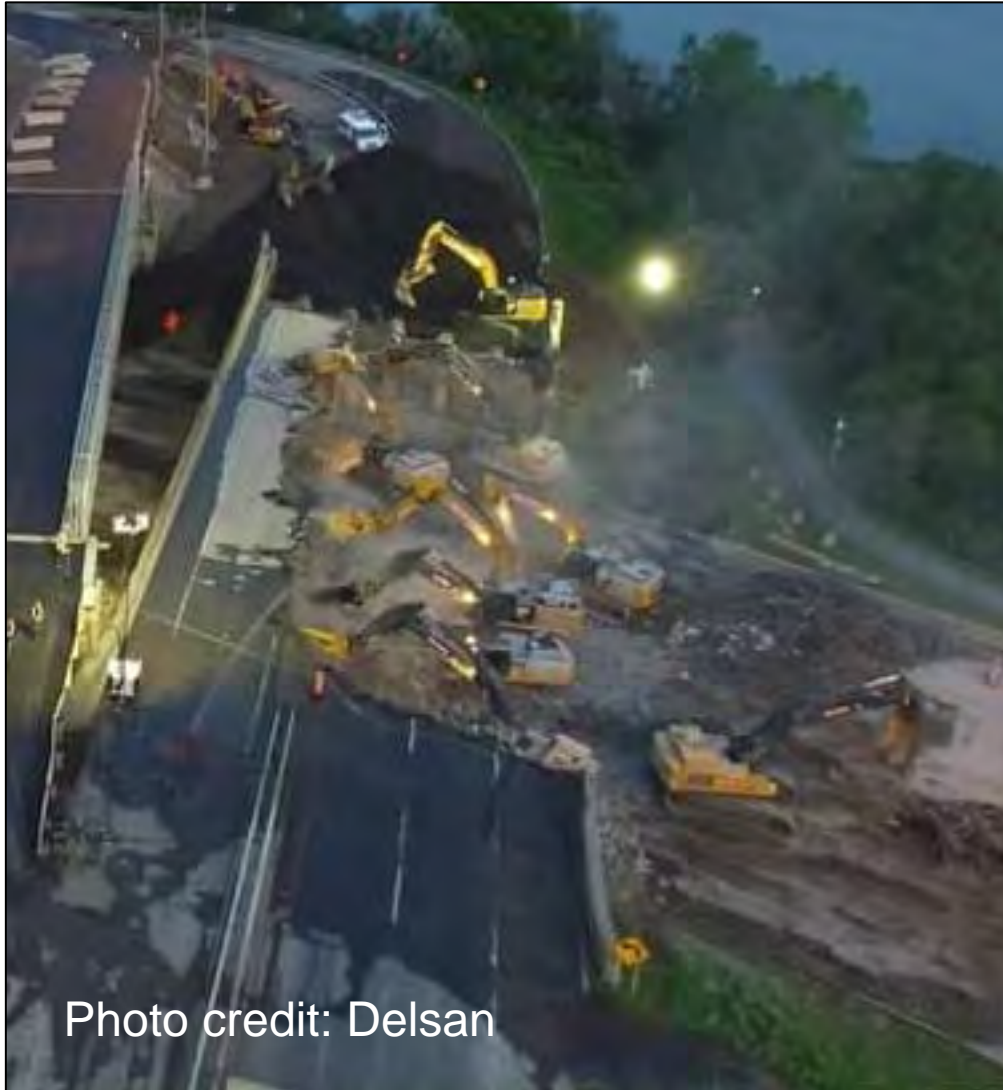


Photo credit: Delsan

- + Ongoing work (**day/night**, above the Hwy. 132 only) due to the very limited time to perform the work
- + Visible **dust** near the work site
- + Percussive and operational **noise** (day/night): possible short-term exceedances of the noise criteria

	Day (7 am to 7 pm)	Evening (7 pm to 11 pm)	Night (11 pm to 7 am)
Weekdays	75 dBA	59 dBA	59 dBA
Weekends	75 dBA	59 dBA	57 dBA

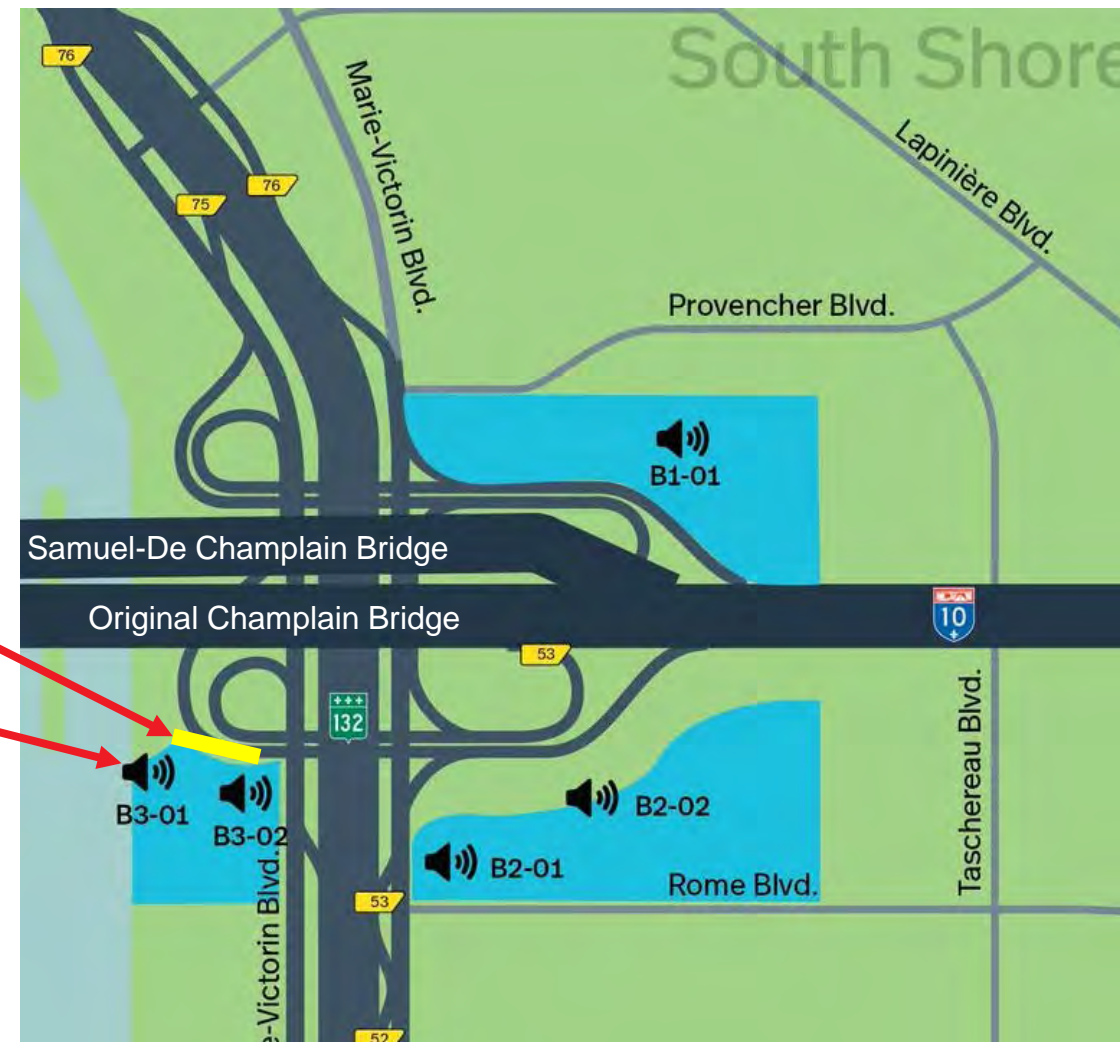
- + If criteria are exceeded, **temporary stop** to assess / fix the situation
- + Materials **trucked** away and stored



# Mitigation Measures



- + **Simulation** of the works before blitzes
- + Use of hammers with **noise suppression** (5 to 10 dBa reduction)
- + Noisier work performed during the **day**
- + Temporary **acoustic barrier/panel** made up of trucks (over 210 m)
- + Noise monitored in real time using **sound level meters**
- + Use of **water cannons** to suppress dust
- + **Air quality** measured in real time







# Communication with Citizens

Nathalie Lessard  
Director, Communications







## Information campaign

- + Multi-platform ad campaign (September to November)
- + Media communications starting September 12
- + Targeted communications: over 10,000 residences in Brossard
- + Public meeting with residents of Brossard and IDS

## Stay informed about the work

- + Subscribe to our **Alerts** or our Twitter account
- + Submit questions via the **Contact Us** page at [jacquescartierchamplain.ca](http://jacquescartierchamplain.ca)
- + Social media







DÉCONSTRUCTION **PONT CHAMPLAIN**  
**CHAMPLAIN BRIDGE** DECONSTRUCTION

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