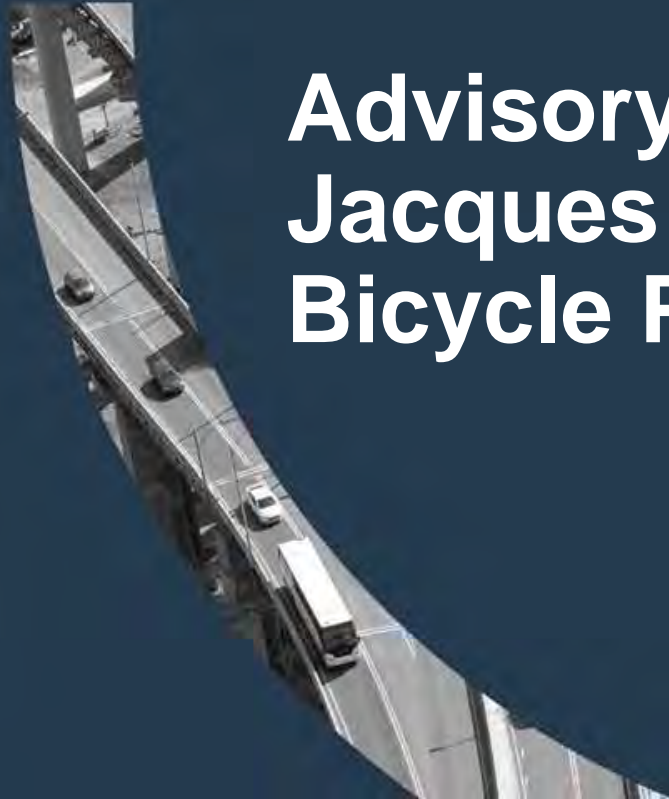




Ponts
JACQUES CARTIER +
CHAMPLAIN
Bridges
Canada

Advisory Committee for the Jacques Cartier Bridge Bicycle Path Network

September 15, 2020



Reminder of the committee's goals



- + Formalize and structure discussions about the Jacques Cartier Bridge bicycle path network with user groups and partners
- + Follow up on current issues and projects based on needs
- + Help promote active transportation with paths that are safe, accessible and user-friendly





2019-2020 Simulation of Winter Operation



Our project partners

JCCBI was able to find solutions to safely operate the Jacques Cartier Bridge multipurpose path during the winter thanks to help from:

- + 25 test cyclists
- + 3 partner cyclists
 - + Association des piétons et cyclistes du pont Jacques-Cartier
 - + Vélo Québec
 - + Ville de Longueuil
- + Advisory committee for the Jacques Cartier Bridge bicycle path Network
- + Réseau de transport de Longueuil
- + Ville de Montréal



Goals of the 2019-2020 winter simulation project

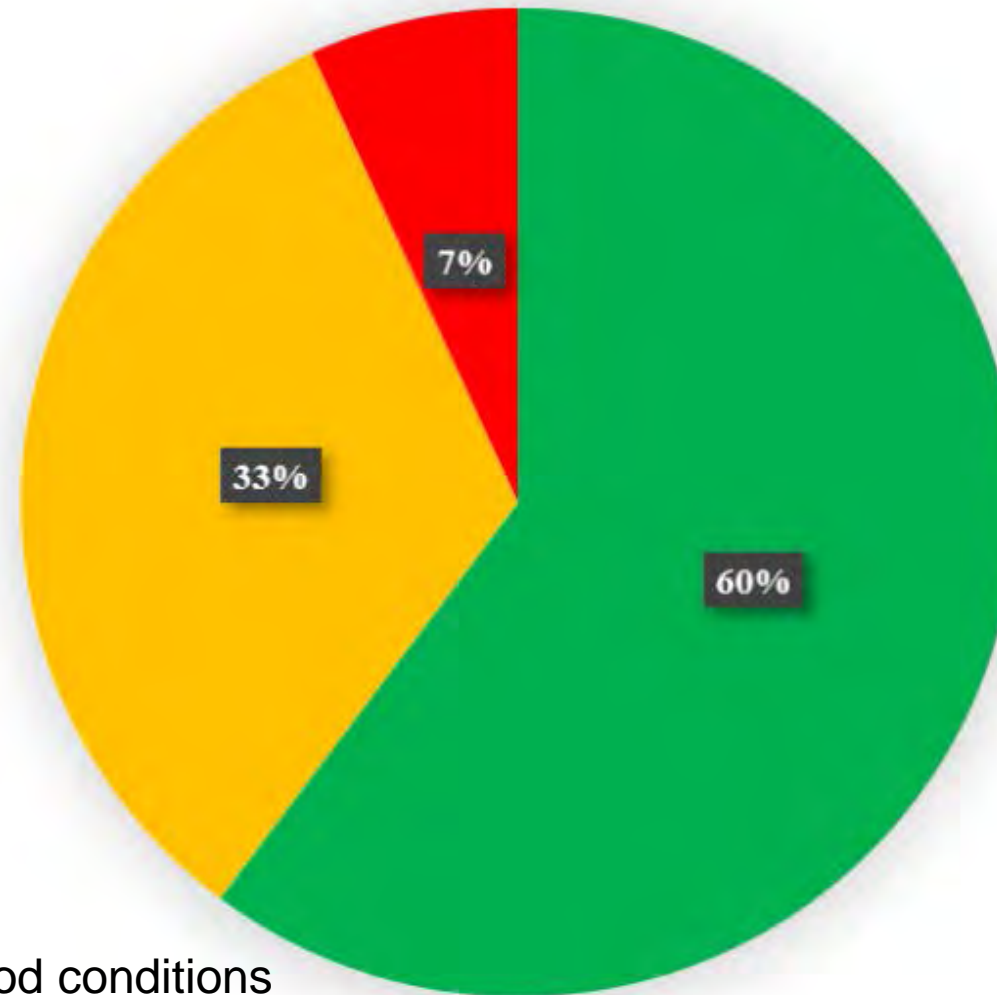


- + Perform a winter simulation with 25 control cyclists and 3 partner cyclists
- + Maintain the entire path and sidewalk throughout the winter in real conditions and include the experience of test cyclists
- + Refine the following protocols:
 - maintenance
 - monitoring
 - communications

Determine whether an adequate and safe level of service can be provided on the path and sidewalk in winter and at what cost



Average path condition – Winter 2019-2020



Green = path open and good conditions

Yellow = Path open, but ride carefully

Red = Path closed



Cyclist travel times – Winter 2019-2020

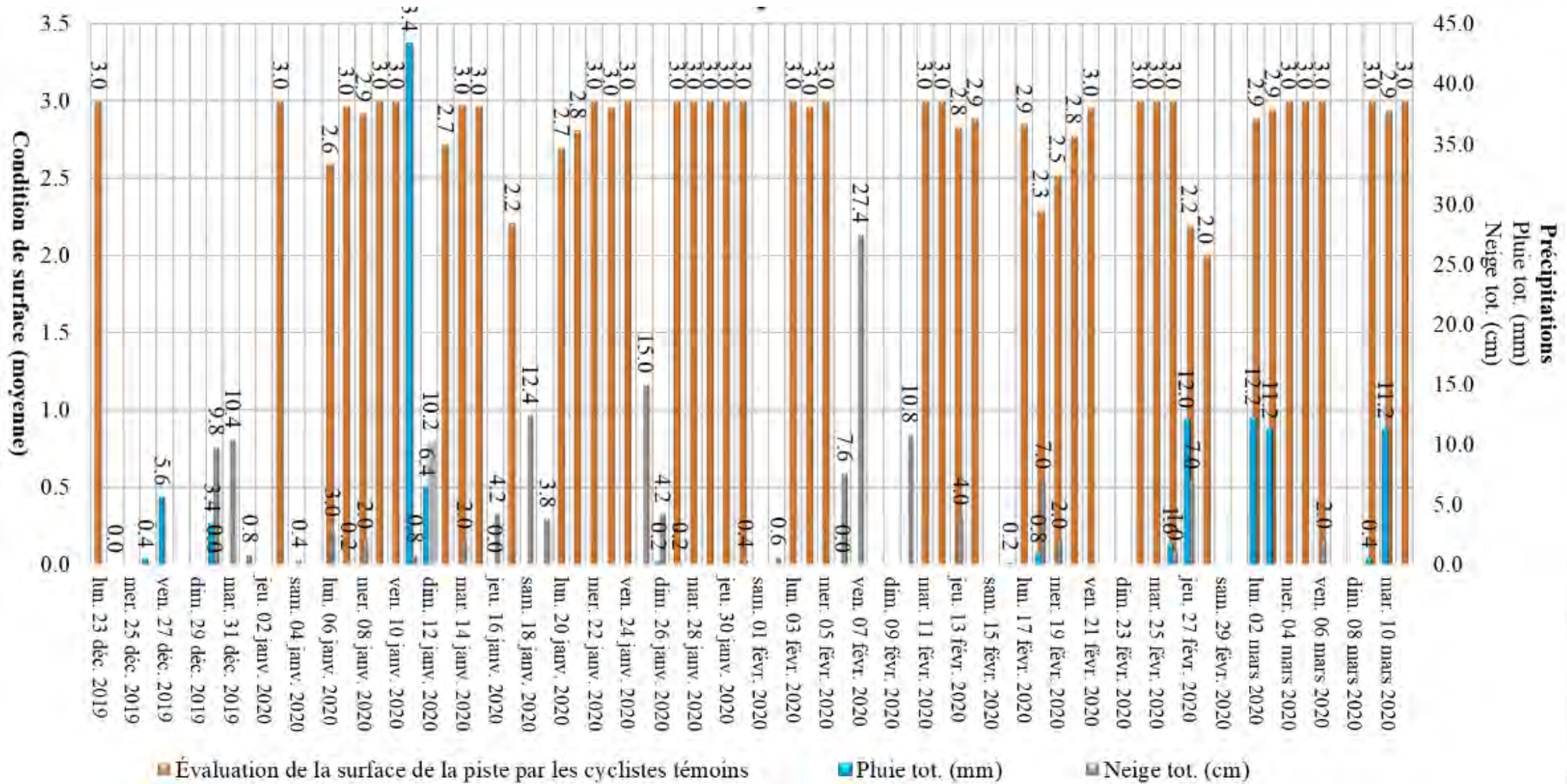


48% of trips between 6 a.m. and 9 a.m. - **34%** of trips between 4 p.m. and 6 p.m.





Evaluation of path surface by test cyclists (average) VS. precipitation – Winter 2019-2020





Winter 2020-2021

JCCBI's decision



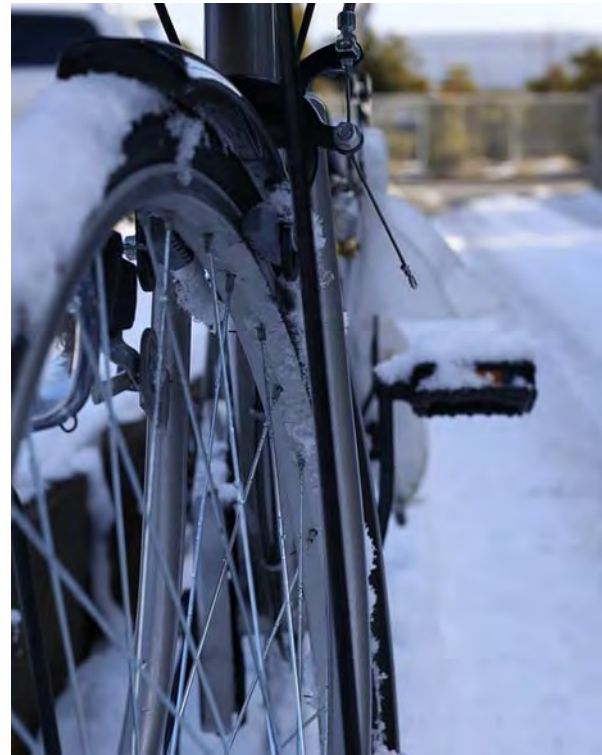
Operation of the multipurpose path and sidewalk during winter 2020-2021

- + 7 days a week, 6:00 a.m. to 10:00 p.m.
- + **Night:** Preventive maintenance on the path and sidewalk to minimize closures during operating hours
- + **Weekend** closures: important snow removal operations

The simulation was a success!

- + Path and sidewalk can be used safely with an adequate service level for users
- + Meets a need expressed by users
- + In line with JCCBI's mobility mission and vision

Note: Due to low use of the RTL shuttle, this service will not continue.



Winter conditions and vigilance



Winter cycling is already a riskier activity PLUS the Jacques Cartier Bridge multipurpose path has some special characteristics:

+ Expert path:

- Reduced width of up to 1.8 m in winter
- Steep slopes with sharp turns
- Two-way traffic
- The path is shared with pedestrians/runners
- Risk of splashing from traffic lanes
- Risk of falling ice near metal structures



- + Reduced grip on the cycling surface in winter conditions
- + Complex and changing weather conditions over the river



Issues for JCCBI



- + Effectively manage risks:
 - Provide a safe cycling surface despite the changing conditions along the path
 - Close monitoring changing weather conditions
 - Possibility of falling ice from the steel superstructure
 - Operation and maintenance costs
- + Ensure that pedestrians, runners and cyclists can all use the path safely in the winter
- + Effectively inform users about:
 - any closures due to weather conditions or snow removal operations
 - conditions of the path and sidewalk



Responsibilities of users



+ Adopt good practices and safe behaviour:

- Wear a helmet
- Winter tires
- **Slow down** to avoid losing control on slippery surfaces
- **Slow down**, or even stop, when meeting another user
- Have good lights on your bicycle
- Follow the Highway Safety Code

+ Adapt to the conditions of the path or sidewalk:

- Pavement may be more slippery (black ice, freezing rain)
- Narrow path that is even narrower in the winter
- Risk of ice forming on the cycling surface
- Steep slopes (approx. 4%) and tight turns
- Runway and sidewalk exposed to high winds and humidity



Communication with Users



Proactive communication with users



+ Available tools:

- Web updates on the pedestrian/cyclist page (green or red)
- Email alerts sent to subscribers
- Active mobility Twitter account [@mobiliteactive](https://twitter.com/mobiliteactive)
- Seasonal signage on the path and sidewalk: safety instructions in winter
- Variable messaging sign: path and sidewalk condition (e.g. red, yellow, green)



+ Questions or comments:

- 450-651-8771
- communications@pjcci.ca





Discussion:
questions or
comments





Les Ponts Jacques Cartier et Champlain Inc.
The Jacques Cartier and Champlain Bridges Inc.

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