

CK-2357
CK-2357

Cantelon km

2020 Inspection

CBR iPad Offline Ver 0.33



CBR Data

Latitude Longitude
°0'0" °0'0"

Crossing Name Cantelon Creek

FSR # Branch #

Road Name Cantelon

User km

Previous Load Rating (tonnes)

Structure Class Permanent Bridge

Portable N

Superstructure Steel I-beam

Deck Type Timber – Treated

Abutment Left Sill - Permanent Materials

Abutment Right Sill - Permanent Materials

Spans 1

Total Length (m)

Deck Width (m)

Updated Data

Latitude Longitude
49°11'45.35" -121°29'13.13"

HD Diff. (m) 9997027.3 Accuracy (m) 5

CL1-625 or 63 tonnes

21.4

4.3

Inspection

Date of Inspection 2020-06-17 12:27:59 PM

Inspector Name Tyson Miller

Recommended Next Inspection Year 2021

Inspection Company FLNRORD

Inspector Comments

P.Eng Comments

The original design vehicle was L60 or 54 tonnes; however Associated Engineering completed an evaluation of the superstructure in accordance with Section 14 Canadian Highway Bridge Design Code CSA-S6-14 and found that it has adequate capacity to support the CL1-625 (63 tonnes) design vehicle. The timber deck was not evaluated as part of the assessment; however the 250x200 timber ties spaced at 406 mm c/c with sub deck and running planks comply with the MFLNRORD Timber Deck Bridge Standards for CL1-625 Evaluation Vehicle (DWG# STD-EC-020-01). And, increasing the vehicle loads slightly to accommodate highway legal traffic presents a low risk to the Ministry, and as such the load rating can be increased to CL-625 or 63 tonnes. Inspect again next year to ensure no signs of distress are occurring.



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Approach

Alignment Good

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required N

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Good

Posted Load Rating Not posted

Road Surface Good

Abutment

Log/Timber Cribbs

Tie Backs

Bin Wall

Pier

Concrete

Caps or Sills Fair Up to 40mm of sap rot and timber shim at left bank

Piles or Posts

Ballast Wall Fair Old logs

Wing Wall

Bracing

Hardware

Fill Good

Riprap Good

Bearings Good

Corrosion Protection

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Deck

Running Surface

Running Planks **Good**

Sub Deck

Ties **Good**

Nails **Good**

Deck to Girder Bolts **Good**

Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts **Good**

Hand Rails/Walkouts

Hardware **Good**

Overall Deck Condition **Good**

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Fair

Diaphragms Fair

Bracing Fair

Under Trussing

Hardware

Welded/grouted
shear connectors

Log

Log Curbs

Needle Beam

Needle Lashing/
Shimming

Needle Beam to Crib (m)

Needle Diameter (mm)

Stringer Number	Species	Peeled	Diameter (mm)	Rot Depth (mm)	Condition	Comment
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Hazards

Estimated Present Water Level Depth (m)	1.0	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	10.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	2.5	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
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1

2

3

4

5

6

7

Item	Monitor Description	Frequency
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1

2

3



Approach from Right Bank when facing downstream



Deck



Upstream from Crossing



Downstream from Crossing



Approach from Left Bank when facing downstream



Right Bank Abutment when facing downstream



Superstructure



Left Bank Abutment when facing downstream



Log sill condition



Missing bull nose at upstream right bank