

CK-2357

CANTELON 11000 0.1km

2018 Inspection

CBR iPad Offline Ver 0.28



CBR Data

Latitude	Longitude		
49°11'44.9"	-121°29'15.2"		
Crossing Name	Cantelon Creek		
FSR #	8124	Branch #	10
Road Name	CANTELON 11000		
User km	0.1		
Current Load Rating (tonnes)	30		
Structure Class	Temporary Bridge		
Portable	N		
Superstructure	Steel I-beam		
Deck Type	Timber - Untreated		
Abutment Left	Crib, Log or Untreated Timber		
Abutment Right	Crib, Log or Untreated Timber		
Spans	1		
Total Length (m)	21.4		
Deck Width (m)	4.1		

Updated Data

Latitude	Longitude		
49°11'45.55"	-121°29'15.5"		
HD Diff. (m)	21.0	Accuracy (m)	5
5 tonnes			
Sill, Permanent Materials			
Sill, Permanent Materials			

Inspection

Date of Inspection 2018-10-11 8:44:29 AM

Inspector Name Tyson Miller

Inspector Comments Serial/ID Plate

Recommended Next Inspection Year 2020

Inspection Company MFLNRO

P.Eng Comments

Prior to industrial activity replace the running planks, ties, guardrail, risers and delineators; replace the timber shims on top of the left bank log sill; brush approaches; post bridge ahead signs and remove debris accumulation located immediately downstream the bridge crossing location. For the purpose of completing the required maintenance works a single crossing with a 30 tonnes excavator can be achieved as long as it's centered over the girders during the crossing and supervised by a qualified professional. Otherwise limit loading to 5 tonnes. Post 5 tonnes load rating sign.



P.Eng Seal

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Approach

Alignment Good

Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required Y

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Good

Posted Load Rating Not posted

Road Surface Fair

Abutment

Log/Timber Cribbs

Tie Backs

Bin Wall

Concrete

Caps or Sills Fair Single log sills both banks, with timber shims at left bank (rotten)

Piles or Posts

Ballast Wall Fair Logs

Wing Wall

Bracing

Hardware Fair

Fill Fair

Riprap Good

Bearings Poor Timber shims rotten and girders settling

Corrosion Protection

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Deck

Running Surface

Running Planks

Poor

Rotten

Sub Deck

Ties

Poor

Rotten

Nails

Fair

Deck to Girder Bolts

Fair

Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts

Poor

Rotten

Hand Rails/Walkouts

Hardware

Poor

Loose rail bolts

Overall Deck Condition

Poor

Due to entire timber deck condition

Gravel Depth (mm)

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Steel/Concrete

Girders Fair

Diaphragms Fair 5 welded bays

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)	1.5	Ice	☐		

Comments

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	High	Replace ties, planks, guardrail, risers, delineators, and timber shims at left bank
2	High	Brush approaches and post bridge ahead signs
3	Medium	Remove debris accumulation located immediately downstream from bridge location

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)

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Approach from Right Bank when facing downstream



Upstream from Crossing



Deck



Downstream from Crossing

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Deck condition



Approach from Left Bank when facing downstream



Guard Rail



Right Bank Abutment when facing downstream



Left bank timber shims rotten



Random Tie condition



Rotten deck



Left Bank Abutment when facing downstream

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Debris accumulation immediately downstream