

CK-2018
CK-2018

CANTELON 0.3km

2020 Inspection

CBR iPad Offline Ver 0.33



CBR Data

Latitude	Longitude
49°13'5.4"	-121°22'53.6"
Crossing Name	Cantelon Creek
FSR #	8124
Branch #	1
Road Name	CANTELON
User km	0.3
Previous Load Rating (tonnes)	68
Structure Class	Permanent Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Concrete Composite
Abutment Left	Steel Pipe and Precast Pad
Abutment Right	Steel Pipe and Precast Pad
Spans	1
Total Length (m)	27.5
Deck Width (m)	4.87

Updated Data

Latitude	Longitude
49°13'4.82"	-121°22'56.24"
HD Diff. (m)	56.2
Accuracy (m)	10
L75 or 68 tonnes	

Inspection

Date of Inspection 2020-06-17 10:49:47 AM

Inspector Name Tyson Miller

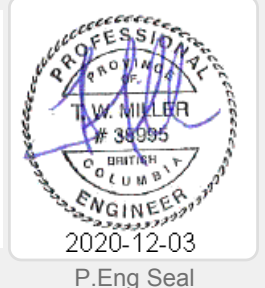
Recommended Next Inspection Year 2023

Inspection Company FLNRORD

Inspector Comments

P.Eng Comments

Repair all damaged concrete consistent with the Concrete Repair Guide for Concrete Bridge Components MoFLNRO (2017). Replace all 4 log fenders with minimum 60m long x 600mm diameter. Brush approaches and post bridge ahead signs. The current load rating of L75 or 68 tonnes to continue.



P.Eng Seal

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Approach

Alignment Good

Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required Y Minor

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Poor Rotten and undersized

Posted Load Rating Not posted

Road Surface Fair

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete

Caps or Sills

Piles or Posts Good

Ballast Wall Fair Damage to both at surface

Wing Wall

Bracing Good

Hardware Good

Fill Good

Riprap Good

Bearings Good

Corrosion Protection Good

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Deck

Running Surface

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck Fair Minor Damage noted

Grout Pockets Good

Deck Joints Fair Some indications of water getting through

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Good

Hand Rails/Walkouts

Hardware Good

Overall Deck Condition Fair

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Good

Diaphragms Good 6 bolted bays

Bracing Fair 1 end bolted and other welded

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)	18.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	3.0	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
1 Approach. Bridge Ahead Signs. # of signs. Priority:Low	Post bridge ahead
2 Approach. Area/sight line brushing. m². Priority:Low	Brush approaches
3 Structure. Concrete structural maintenance. m². Priority:High	Repair damaged sections of concrete
4 Approach. Approach fenders (install). # of units. Priority:Medium	Replace fender logs with 6m length x 600mm diameter

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6

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Item	Monitor Description	Frequency
1		
2		
3		



Approach from Left Bank when facing downstream



Damage to left bank ballast wall and deck panel



Damage to left bank ballast wall and deck panel



Upstream from Crossing



Downstream from Crossing



Damage to deck panels on surface



Fender log condition



Approach from Right Bank when facing downstream



Damage to right bank ballast wall and deck panel



Left Bank Abutment when facing downstream



Superstructure



Damaged panel at right bank



Indications of water getting through deck joints



Right Bank Abutment when facing downstream



Bracing that was planned for bolts was welded 1 end



Damage to left bank panel



Downstream web damage