

QC-7703

QC_LGS1000 0.9km

2019 Inspection

CBR iPad Offline Ver



CBR Data

Latitude 53°28'49.5" Longitude -132°5'4.2"

Crossing Name Not Known

FSR # 10141 Branch # 01A

Road Name QC_LGS1000

User km 0.9

Previous Load Rating (tonnes) 50

Structure Class Woodbox/Log Culvert

Portable N

Superstructure

Deck Type

Abutment Left

Abutment Right

Spans 0

Total Length (m) 7.3

Deck Width (m)

Updated Data

Latitude 53°28'50.04" Longitude -132°5'4.78"

HD Diff. (m) 19.8 Accuracy (m) 5

Temporary Bridge

Y

Steel Box Beam

Steel

Crib, Log or Untreated Timber

Crib, Log or Untreated Timber

1

9.14

4.88

Inspection

Date of Inspection 2019-09-08 9:08:31 AM

Recommended Next Inspection Year 2022

Inspector Name Lindsey McGill

Inspection Company Chartwell Consultants Ltd.

Inspector Comments Serial/ID Plate Plate shows TCH-0704

Right bank crib is connected to an adjacent WBC that spans wet swampy ground. Detailed inspection not carried out on WBC but it does contain all cedar construction and is comprised of 14 stringers with an overall width of 7.0m +/- (= avg stringer diam of 50cm +/-). Although not measured, assume 1-2cm rot in all stringers.

P.Eng Comments

Load Rated by: FLNRORD, J. Harvey P.Eng., February 13, 2020

Load Rating: 91 Tonnes GVW

Next Inspection: September 1, 2022

Comments:



P.Eng Seal

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Approach

Alignment Fair

Vertical alignment could be better (trough of curve), but is functional.

 Bridge Ahead Signs Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required N

 Delineator Missing Left ☐ 0 ☒ 1 ☐ 2

 Delineator Missing Right ☐ 0 ☒ 1 ☐ 2

Fender Condition Fair

Guidelogs are placed on ground with no earth fill to hold them in place. No impacts marks observed.

Posted Load Rating

None posted.

Road Surface Good

Abutment

Log/Timber Cribs Good

Cedar construction. Single sill left abutment, three high crib on right abutment. Outside corners appear to be pinned with undersized rebar.

Tie Backs Good

Appear to be centred under each section of portable.

Bin Wall N/A

Pier N/A

Concrete N/A

Caps or Sills N/A

Piles or Posts N/A

Ballast Wall N/A

No ballast logs appear to be present

Wing Wall N/A

Bracing N/A

Hardware Poor

No lag bolts observed - gravity connection to crib/sill

Fill Fair

Riprap Poor

Very limited riprap present but water velocity and volume low enough that there does not appear to be any risk from scour.

Bearings Fair

Steel is delaminating and no lag bolts observed. Bridge is connected via gravity.

Corrosion Protection N/A

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**Deck**

Running Surface Fair

Running Planks N/A

Sub Deck N/A

Ties N/A

Nails N/A

Deck to Girder Bolts N/A

Concrete Deck N/A

Grout Pockets N/A

Deck Joints N/A

Steel Deck Plate Fair Anti skid surface worn off. Typical pitting and corrosion present.

Gravel Surface N/A

Curb Rail/Blocks/Posts Good HSS painted yellow

Hand Rails/Walkouts N/A

Hardware

Overall Deck Condition Fair

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Fair Typical corrosion and pitting observed

Diaphragms N/A

Bracing N/A

Under Trussing N/A

Hardware Poor No lag bolts observed at bearing plates

Welded/grouted
shear connectors N/A**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)	.15	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	1.5	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	1.4	Ice	☐		

Comments Limited riprap but scour risk is considered very low.

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	Low	Replace missing delineators and post appropriate signage.

2	Medium	Install lag bolts
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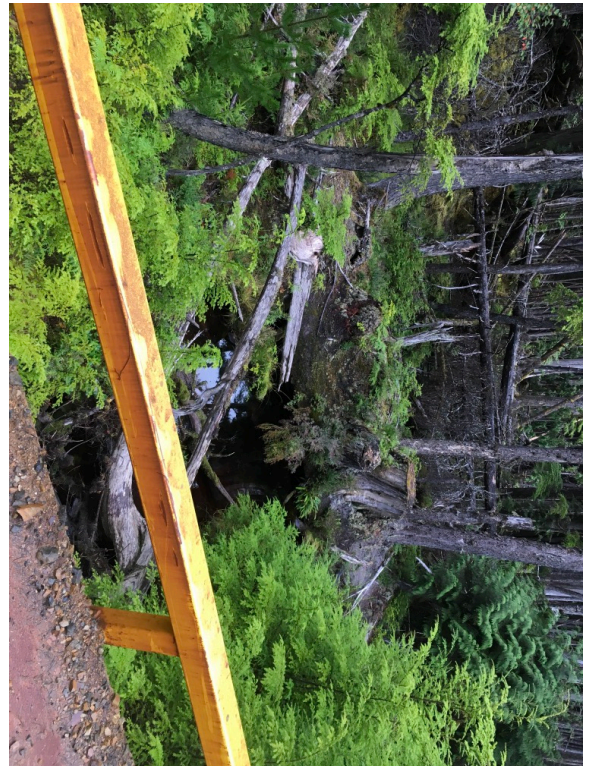
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Item	Monitor Description	Frequency
1	Steel delamination on bearing plates in particular	Routine Inspection

2	Monitor condition of adjacent WBC.	Routine Inspection
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Sketch
(Select Signature)



Downstream from Crossing



Upstream from Crossing



Approach from Left Bank when facing downstream



Approach from Right Bank when facing downstream



Right Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



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Structure ID



Upstream Profile



Downstream Profile

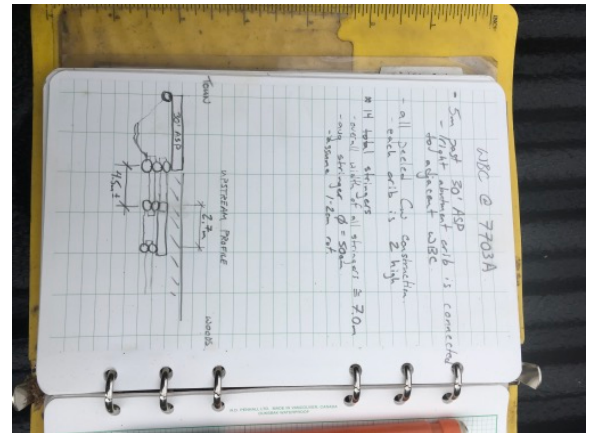


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