

QC-7705

QC_LGS1000 2.04km

2018 Inspection



CBR iPad Offline Ver

CBR Data

Latitude	Longitude
53°28'48.6"	-132°4'8.6"
Crossing Name	Unknown
FSR #	10141 Branch # 01A
Road Name	QC_LGS1000
User km	2.04
Current Load Rating (tonnes)	30
Structure Class	Woodbox/Log Culvert
Portable	N
Superstructure	
Deck Type	
Abutment Left	
Abutment Right	
Spans	0
Total Length (m)	4.2
Deck Width (m)	

Updated Data

Latitude	Longitude
53°28'48.1"	-132°4'8.17"
HD Diff. (m)	17.3 Accuracy (m) 5
4.6	

Inspection

Date of Inspection 2018-09-17 9:16:58 AM

Inspector Name Robert Kemmler

Recommended Next Inspection Year 2020

Inspection Company Onsite Engineering

Inspector Comments Serial/ID Plate

Structure span is too short for this crossing as is evident by the stream approach on the right side. Stream, at high flows, is directly hitting the road prism behind the right side sill log, causing scour and undermining of the sill. Consider a minimum of a 6m structure for this site upon replacement of the current structure.

P.Eng Comments



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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 **Poor**

Approach barriers missing

Posted Load Rating **0**

None posted

Road Surface **Good**

Abutment

Log/Timber Cribs **N/A**

Tie Backs **N/A**

Bin Wall **N/A**

Concrete **N/A**

Caps or Sills **Good**

Large single Cw sills

Piles or Posts **N/A**

Ballast Wall **N/A**

Wing Wall **N/A**

Bracing **N/A**

Hardware **N/A**

Fill **Good**

Riprap **Fair**

Bearings **Good**

Corrosion Protection **N/A**

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**Deck**

Running Surface	Poor	
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	N/A	
Gravel Surface	Poor	Stringers exposed.
Curb Rail/Blocks/Posts	Poor	No curb logs
Hand Rails/Walkouts	N/A	
Hardware	N/A	
Overall Deck Condition	Poor	Insufficient gravel fill, no curb logs, no approach barriers.
Gravel Depth (mm)	0	

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Steel/Concrete

Girders

Diaphragms

Bracing

Under Trussing

Hardware

Welded/grouted
shear connectors**Log**Log Curbs **Poor** **None**Needle Beam **N/A**Needle Lashing/
Shimming **N/A**

Needle Beam to Crib (m)

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

Estimated Present Water Level Depth (m)	0.1	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	0.2	Aggradation	☐	Scour	☒
Estimated High Water Level Clearance (m)	1.5	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	Replace structure prior to industrial activity.
2	High	Post current load rating
3		

Item	Monitor Description	Frequency
1	Upstream right abutment for scour.	
2		
3		

Sketch
(Select Signature)