

QC-7850

COLLISON 1.4km

2018 Inspection



CBR iPad Offline Ver

CBR Data

Latitude 53°47'15.79" Longitude -132°20'49.3"

Crossing Name Unknown

FSR # 10175 Branch # 07

Road Name COLLISON

User km 1.4

Current Load Rating (tonnes) 136

Structure Class Temporary Bridge

Portable N

Superstructure Log Stringers

Deck Type Gravel

Abutment Left Crib, Log or Untreated Timber

Abutment Right Crib, Log or Untreated Timber

Spans 1

Total Length (m) 7.2

Deck Width (m) 5.3

Updated Data

Latitude 53°47'15.66" Longitude -132°20'48.71"

HD Diff. (m) 11.6 Accuracy (m) 5

Settlers Main

Inspection

Date of Inspection 2018-09-20 8:43:49 AM

Recommended Next Inspection Year 2020

Inspector Name Robert Kemmler

Inspection Company Onsite Engineering

Inspector Comments Serial/ID Plate

Stringers notched, not pinned, no lashing.

Fill depth is critically low, stringers bouncing when loaded truck crosses structure. Recommend speed be reduced until fill is added. Stringers for this crossing are shorter than they really should be. Stringers should extend a minimum of 1m behind sills, these do not extend behind sills at all and are not pinned into place.

P.Eng Comments

Load Rated by: MFLNRO, J. Harvey P.Eng., February 5, 2018

Load Rating: 136 Tonnes GVW

Next Inspection: September 1, 2020

Comments:



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Approach

Alignment **Good**Bridge Ahead Signs
Missing • 0 ☐ 1 ☐ 2 Too close to structure (35m).Brushing Required **N**Delineator Missing
Left • 0 ☐ 1 ☐ 2Delineator Missing
Right • 0 ☐ 1 ☐ 2Fender Condition **Poor** **None**Posted Load Rating **136** Only post camp approach (Left approach).Road Surface **Fair**

Abutment

Log/Timber Crib **Good** 2 high Cw cribsTie Backs **Fair**Bin Wall **N/A**Concrete **N/A**Caps or Sills **N/A**Piles or Posts **N/A**Ballast Wall **Good** Sx logsWing Wall **N/A**Bracing **N/A**Hardware **N/A**Fill **Good**Riprap **N/A**Bearings **Fair** Stringers are short for span.Corrosion Protection **N/A**

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Deck

Running Surface	N/A	
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	Good	
Curb Rail/Blocks/Posts	Fair	No curb logs, guard logs acting as curbs.
Hand Rails/Walkouts	N/A	
Hardware	Poor	No lashing
Overall Deck Condition	Fair	
Gravel Depth (mm)	300	200mm on downstream side. Minimum 600mm required.

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Steel/Concrete

Girders

Diaphragms

Bracing

Under Trussing

Hardware

Welded/grouted
shear connectors**Log**Log Curbs **Poor** No curbs, guard logs are acting as curbsNeedle Beam **N/A**Needle Lashing/
Shimming

Stringer Number	Needle Beam to Crib (m)		Diameter (mm)	Needle Diameter (mm)		Condition	Comment
	Species	Peeled		Rot Depth (mm)			
1	Cw	N	830	0		Good	
2	Cw	N	820	0		Good	
3	Cw	N	790	0		Good	
4	Cw	N	940	0		Fair	No advancement of heart rot.
5	Cw	N	730	0		Good	
6	Cw	N	790	0		Good	
7	Cw	N	980	0		Good	

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Hazards

Estimated Present Water Level Depth (m)	0.0	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	0.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	1.5	Ice	☐		

Comments

Repairs and Monitoring

Repair

Item Priority

Repair Description

- 1 High Add fill to deck to bring fill depth to a minimum of 600mm. Curbs logs will have to be added and due to structure width, pinned to guard logs.
- 2 Medium Move bridge ahead signs further away from crossing.
- 3 Medium Install sign posts for load rating sign, install one more sign as one is missing.

Item

Monitor Description

Frequency

- 1 Continue to monitor stringer 4.

Routine Inspection

- 2

- 3

Sketch
(Select Signature)