QC-7852	COLLISON 2.23km	2018 Inspection

CBR iPad Offline Ver

CBR Data

Latitude	Longitude
53°47'8.9"	-132°20'10.3"

Crossing Name	Unknown		
FSR #	10175	Branch #	07
Road Name	COLLISON		
User km	2.23		
Current Load Rating (tonnes)	150		
Structure Class	Temporary Bridge		
Portable	N		
Superstructure	Log Stringers		
Deck Type	Gravel		
Abutment Left	Concrete Cast in Place		
Abutment Right	Concrete Cast in Place		
Spans	1		
Total Length (m)	6.3		
Deck Width (m)	6		

Updated Data

Latitude	Longitude
53°47'9.29"	-132°20'11.85"

HD Diff. (m)	30.7	Accuracy (m)	5

Settlers Main

Inspection

Date of Inspection 2018-09-20 9:16:45 AM

Recommended Next Inspection Year 2019

Inspector Name Robert Kemmler

Inspection Company Onsite Engineering

Serial/ID Plate

Inspector Comments

Left crib is poorly constructed. Crib bears on organic material upstream, Hw log at midspan and Hw stump 3m from downstream end. Crib perched from Hw stump to downstream end (3m). Repair from previous inspection (2016) not completed. Active hauling over structure (September 2018).
Expect this abutment to settle as the Hw mudsill and stump begin to decay.
Monitor yearly until repair completed.

P.Eng Comments

Load Rated by: MFLNRO, J. Harvey P.Eng., February 5, 2018
Load Rating: 150 Tonnes GVW
Next Inspection: September 1, 2020
Comments: Install bridge ahead signs. Monitor left abutment for settlement.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
J. E. HARVEY
33433

February 6 2019

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Approach

Alignment	Poor	In both vertical and horizontal curves.
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	No approach barriers
Posted Load Rating	0	Not posted. Expect 136T due to large Cw stringers.
Road Surface	Fair	

Abutment

Log/Timber Cribs	Fair	2 high Cw cribs. Left side on a mudsill and Hw stump at the downstream corner, right side on rock fill.
Tie Backs	Fair	
Bin Wall	N/A	
Concrete	N/A	
Caps or Sills	N/A	
Piles or Posts	N/A	
Ballast Wall	Fair	
Wing Wall	N/A	
Bracing	N/A	
Hardware	N/A	
Fill	Good	
Riprap	N/A	
Bearings	Good	
Corrosion Protection	N/A	

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	Fair	
Curb Rail/Blocks/Posts	Poor	No curbs, guard logs are acting as curbs.
Hand Rails/Walkouts	N/A	
Hardware	Poor	No lashing.
Overall Deck Condition	Fair	
Gravel Depth (mm)	250	Minimum fill depth to be 600mm

Steel/Concrete

Girders

Diaphragms

Bracing

Under Trussing

Hardware

Welded/grouted shear connectors

Log

Log Curbs: Poor — No curbs, guard logs acting as curbs.

Needle Beam: N/A

Needle Lashing/ Shimming: N/A

Stringer Number	Needle Beam to Crib (m) Species	Peeled	Needle Diameter (mm) Diameter (mm)	Rot Depth (mm)	Condition	Comment
1	Cw	N	940	0	Good	
2	Cw	N	800	0	Good	
3	Cw	N	930	0	Good	
4	Cw	N	800	0	Good	
5	Cw	N	980	0	Good	
6	Cw	N	990	0	Good	
7	Cw	N	900	0	Good	
8	Cw	N	740	0	Good	

Hazards

Estimated Present Water Level Depth (m)	0.1	High Water	Debris
Estimated Present Water Level Width (m)	0.3	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 the fill depth to a minimum of 600mm. Curb logs will have to be added once the fill is added. To maintain travel lane width, pin curbs to the top of the guard logs.
2	High	Complete repair from previous inspection (2016). "Add support to downstream left abutment prior to industrial activity."
3	High	Install bridge ahead signs.

Item	Monitor Description	Frequency
1	Monitor left abutment for settlement.	Anually
2		
3		

Sketch
(Select Signature)