CK-2264	STAVE RIVER 13km	2015 Inspection

CBR iPad Offline Ver 0.21

CBR Data

Latitude	Longitude
49°30'13.39"	-122°15'51.4"

Crossing Name	Side Creek
FSR #	8013
Branch #	1
Road Name	STAVE RIVER
User km	13
Current Load Rating (tonnes)	30
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)	7.5
Deck Width (m)	5

Updated Data

Latitude	Longitude
49°30'13.26"	-122°15'50.83"

HD Diff. (m)	12.3	Accuracy (m)	5

Inspection

Date of Inspection	2015-09-22 1:49:06 PM		
Inspector Name	Tyson Miller	Inspection Company	MFLNRO

Inspector Comments

P.Eng Comments

This structure has 2 layers of log stringers and only the bottom layer can properly assessed. The top layer were added in 2012 as a temporary measure in order to facilitate works at the time. The entire structure (crib logs, tiebacks and stringers) has further deteriorated since then. Because the top layer of stringers have not been properly inspected the structure remains down-rated. Present load rating of 30 tonnes to continue. Post load rating sign.

07/01/2016

P.Eng Seal

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	none
Posted Load Rating		not posted
Road Surface	Good	

Abutment

Log/Timber Cribs	Fair	3x
Tie Backs	Fair	4x
Bin Wall	N/A	
Concrete	N/A	
Caps or Sills	N/A	
Piles or Posts	N/A	
Ballast Wall	N/A	
Wing Wall	N/A	
Bracing	N/A	
Hardware	Fair	
Fill	Fair	
Riprap	Poor	none
Bearings	Fair	
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	Fair	
Hand Rails/Walkouts	N/A	
Hardware	Poor	loose lashing
Overall Deck Condition	Fair	
Gravel Depth (mm)	200	

Steel/Concrete

Serial/ID Plate

Girders

Diaphragms

Bracing

Under Trussing

Hardware N/A NA

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
1	Cw	Y	660	50	Fair	sap and pocket rot
2	Cw	Y	600	30	Fair	sap rot
3	Cw	Y	700	40	Fair	sap rot
4	Cw	Y	590	30	Fair	sap rot
5	Cw	Y	560	30	Fair	sap rot
6	Cw	Y	550	40	Fair	sap rot
7	Cw	Y	570	120	Poor	sap and heart rot

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Hazards

Estimated Present Water Level Depth (m)	0.2	High Water ☐	Debris ☐
Estimated Present Water Level Width (m)	3.0	Aggradation ☐	Scour ☐
Estimated High Water Level Clearance (m)	0.5	Ice ☐	

Comments there are 2 layers of stringers in the bridge

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	remove gravel deck to properly assess the top row of stringers
2	High	post load rating sign
3		

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)

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Approach from Left Bank when facing downstream

top log stringer exposed

Approach from Right Bank when facing downstream

Right Bank Abutment when facing downstream

Left Bank Abutment when facing downstream

Stringers