CK-2262	STAVE RIVER 9.4km	2017 Inspection

CBR iPad Offline Ver

CBR Data

Latitude	Longitude
49°29'5.3"	-122°15'3.3"

Crossing Name	Side Creek
FSR #	8013
Branch #	1
Road Name	STAVE RIVER
User km	9.4
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)	11
Deck Width (m)	4.5

Updated Data

Latitude	Longitude
49°29'6.46"	-122°15'4.45"

HD Diff. (m)	42.7	Accuracy (m)	5

Inspection

Date of Inspection	2017-09-14 10:54:40 AM
Inspector Name	Michael Foster
Recommended Next Inspection Year	2018
Inspection Company	Onsite Engineering Ltd

Inspector Comments

Replace structure. OK for excavators for replacement.
Possible 2nd layer of stringers?

P.Eng Comments

Present load rating of 30 tonnes to continue. Post load rating signs and plan for a complete replacement soon.

P.Eng Seal

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Approach

Alignment	Fair	
Bridge Ahead Signs Missing	○ 0 ○ 1 ● 2	
Brushing Required	Y	
Delineator Missing Left	● 0 ○ 1 ○ 2	
Delineator Missing Right	● 0 ○ 1 ○ 2	
Fender Condition	Poor	None installed
Posted Load Rating		No signs
Road Surface	Good	

Abutment

Log/Timber Cribs	Poor	Visibly rotten with age , extensive sap rot
Tie Backs	Poor	Visibly rotten with age, extensive sap rot
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	N/A	
Fill	Fair	
Riprap	N/A	
Bearings	N/A	
Corrosion Protection	N/A	

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	N/A	
Gravel Surface	Fair	
Curb Rail/Blocks/Posts	N/A	
Hand Rails/Walkouts	N/A	
Hardware	N/A	
Overall Deck Condition	Poor	Replace bridge for industrial use
Gravel Depth (mm)	1.5	

Steel/Concrete

Serial/ID Plate

Girders

Diaphragms

Bracing

Under Trussing

Hardware

Welded/grouted shear connectors

Log

Log Curbs	Poor	Rotten
Needle Beam	N/A	
Needle Lashing/ Shimming	N/A	

Needle Beam to Crib (m) / Needle Diameter (mm)

Stringer Number	Species	Peeled	Diameter (mm)	Rot Depth (mm)	Condition	Comment
1	Cw	Y	650	25	Fair	Sap rot
2	Cw	Y	600	25	Fair	Sap rot
3	Cw	Y	640	25	Fair	Sap rot
4	Cw	Y	600	60	Poor	Rot
5	Cw	Y	540	25	Fair	Sap rot
6	Cw	Y	520	30	Fair	Sap rot
7	Cw	Y	650	25	Fair	Sap rot

Hazards

Estimated Present Water Level Depth (m)	.3	High Water ☐	Debris ☐
Estimated Present Water Level Width (m)	9	Aggradation ☐	Scour ☐
Estimated High Water Level Clearance (m)	0.8	Ice ☐	

Comments: Beaver dam across stream under upstream end of bridge

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	Replace bridge
2	High	Post load rating signs
3		

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)

Approach from Right Bank when facing downstream

Left approach viewed from bridge

Right approach viewed from bridge

Upstream Profile

Right Bank Abutment when facing downstream

Approach from Left Bank when facing downstream

Left Bank Abutment when facing downstream