CK-2274	STAVE 29.4km	2018 Inspection

CBR iPad Offline Ver 0.28

CBR Data

Latitude	Longitude
49°35'37.1"	-122°24'6.1"

Crossing Name	Side Creek
FSR #	8013
Branch #	1
Road Name	STAVE
User km	29.4
Current Load Rating (tonnes)	10
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)	7.8
Deck Width (m)	6.4

Updated Data

Latitude	Longitude
49°35'36.91"	-122°24'5.88"

HD Diff. (m)	7.4	Accuracy (m)	5

	10 tonnes
	Log Sill
	Log Sill
	6.7

Inspection

Date of Inspection	2018-06-07 11:50:07 AM	Recommended Next Inspection Year	2020
Inspector Name	Tyson Miller	Inspection Company	MFLNRO

Inspector Comments Serial/ID Plate

6.7m span
Left abutment scoured 80% length - 300mm gap and only bearing in 3 locations
See stringer information from previous inspection, poor bearing limits loading as opposed to stringer size

P.Eng Comments

The bearing under the log sills continues to erode. The current load rating of 10 tonnes to continue. I recommend a complete replacement of the structure. Monitor for settlement and post bridge ahead signs.

05/02/2019

P.Eng Seal

Approach

Alignment	Good	
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
Posted Load Rating		Not posted
Road Surface	Fair	

Abutment

Log/Timber Cribs		
Tie Backs		
Bin Wall		
Concrete		
Caps or Sills	Poor	Single log sill left bank - 80% undermined , 2 stacked sills right bank
Piles or Posts		
Ballast Wall		
Wing Wall		
Bracing		
Hardware		
Fill	Fair	
Riprap	Poor	None in front of sills
Bearings Corrosion		
Protection		

Deck

Running Surface	
Running Planks	
Sub Deck	
Ties	
Nails	
Deck to Girder Bolts	
Concrete Deck	
Grout Pockets	
Deck Joints	
Steel Deck Plate	
Gravel Surface	
Curb Rail/Blocks/Posts	Fair
Hand Rails/Walkouts	
Hardware	Fair
Overall Deck Condition	Fair
Gravel Depth (mm)	400

Steel/Concrete

Girders	
Diaphragms	
Bracing	
Under Trussing	
Hardware	
Welded/grouted shear connectors	

Log

Log Curbs	Fair	Fabric covering guardrail limited inspection. 250x250 mm guardrail on top of log curb.
Needle Beam		
Needle Lashing/ Shimming		

Needle Beam to Crib (m)

Needle Diameter (mm)

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

Hazards

Estimated Present Water Level Depth (m)	0.2	High Water	X	Debris	X
Estimated Present Water Level Width (m)	7.0	Aggradation	X	Scour	X
Estimated High Water Level Clearance (m)	0	Ice			

Comments

Left abutment sill log 80% scoured

Repairs and Monitoring

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

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)

CK-2274 STAVE 29.4km 2018 Inspection

Approach from Right Bank when facing downstream

Upstream from Crossing

Deck

Downstream from Crossing

CK-2274 STAVE 29.4km 2018 Inspection

Approach from Left Bank when facing downstream

Right Bank Abutment when facing downstream

Upstream Profile

Left Bank Abutment when facing downstream

Right Bank Abutment when facing downstream

Left Bank Abutment when facing downstream