CK-2266	STAVE RIVER 16.8km	2014 Inspection

CBR iPad Offline Ver 0.17

CBR Data

Latitude	Longitude
49°31'45"	-122°16'36.8"

Road Name	STAVE RIVER
User km	16.8
Current Load Rating (tonnes)	68
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)	8
Deck Width (m)	5

Updated Data

Latitude	Longitude
49°31'50.88"	-122°16'40.73"

HD Diff. (m) 198.3 Accuracy (m) 5

	Stave River
	30 tonnes
	Temporary Bridge
	N
	Log Stringer
	Gravel
	Crib, Log or Untreated Timber
	Crib, Log or Untreated Timber
	1
	7.5
	5.0

Inspection

Date of Inspection 2014-11-17 11:23:44 AM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspection Comments

structure has a second set of stringers overtop bottom set - cannot properly assess, structure appears in fair shape stream does not appear to have past water in a number of years, possible replace with CSP

Feb 26/2015

P.Eng Comments

This structure has 2 layers of stringers and only the bottom stringers can be properly assessed. The top layer of stringers that were added in 2012 was a temporary repair in order to facilitate works at the time. This structure has had further deterioration of the bottom layer of stringers, the crib logs, and the tiebacks. This, combined with no way of properly assessing the top layer of stringers has resulted in a down rated structure. Limit loading to 30 tonnes, please post. Replace entire structure prior to industrial activity.

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA T. W. MILLER 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	2x
Tie Backs	Fair	3x
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	Fair	lashing
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	Fair
Overall Deck Condition	Fair
Gravel Depth (mm)	300

Steel/Concrete

Girders

Diaphragms

Bracing

Under Trussing

Hardware

Welded/grouted shear connectors

Log

Log Curbs

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)	Comment
1	Fd	Y	480	240	conk noted - rotten throughout
2	Fd	Y	510	100	
3	Fd	Y	730	30	
4	Fd	Y	630	30	
5	Fd	Y	500	30	
6	Fd	Y	520	40	
7	Fd	Y	560	30	
8	Fd	Y	730	60	small conk noted
9	Fd	Y	630	30	
10	Fd	Y	600	50	
11	Fd	Y	560	100	conk noted

Hazards

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

Comments: stream bed under structure 1.0 meter higher then upstream or downstream - stream will backup before passing through structure

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Medium	post bridge ahead signs
2	High	post load rating signs
3	Medium	place log fenders

Monitor Item	Monitor Description	Monitoring Frequency
1		
2		
3		

Sketch
(Select Signature)

FileName: CBR iPad Offline Ver 0.17

Approach from Left Bank when facing downstream

Approach from Right Bank when facing downstream

Right Bank Abutment when facing downstream

Left Bank Abutment when facing downstream