

CK-2265

STAVE RIVER 13.2km

2014 Inspection

CBR iPad Offline Ver 0.17

CBR Data

Latitude	Longitude
49°30'15"	-122°15'55.7"
Road Name	STAVE RIVER
User km	13.2
Current Load Rating (tonnes)	74
Structure Class	Temporary Bridge
Portable	N
Superstructure	Log Stringers
Deck Type	Gravel
Abutment Left	Sill -Temporary Materials
Abutment Right	Sill -Temporary Materials
Spans	1
Total Length (m)	8.5
Deck Width (m)	5.2

Updated Data

Latitude	Longitude		
49°30'15.5"	-122°15'59.28"		
HD Diff. (m)	73.5	Accuracy (m)	5
Stave River			
12.1			
30 tonnes			
Temporary Bridge			
N			
Log Stringer			
Gravel			
Crib, Log or Untreated Timber			
Crib, Log or Untreated Timber			
1			
8.5			
5.0			

Inspection

Date of Inspection 2014-11-17 12:34:35 PM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspection Comments

2 layers of stringers on this structure - cannot properly assess top layer
structure looks in fair shape

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. The 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.



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Approach

Alignment Good

Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required N

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Poor none

Posted Load Rating not posted

Road Surface Good

Abutment

Log/Timber Cribs Fair

Tie Backs Fair

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

Hardware Poor loose lashing

Fill Fair

Riprap Poor none

Bearings Fair

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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

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Steel/Concrete

Girders

Diaphragms

Bracing

Under Trussing

Hardware

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)	Comment
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1	Cw	Y	600	40	sap rot
2	Cw	Y	760	60	sap rot
3	Cw	Y	660	50	Cy - sap rot
4	Cw	Y	750	70	sap rot
5	Cw	Y	690	40	sap rot
6	Cw	Y	820	80	large knots and sap rot
7	Cw	Y	690	60	sap 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) 0.3

Ice ☐

Comments

Repairs and Monitoring

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

Monitor Item

Monitor Description

Monitoring Frequency

1

2

3

Sketch
(Select Signature)

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Approach from Left Bank when facing downstream



Approach from Right Bank when facing downstream



Downstream Profile



Upstream Profile