

CK-2262

STAVE RIVER 10.5km

2014 Inspection

CBR iPad Offline Ver 0.17

CBR Data

Latitude Longitude
49°29'7.8" -122°15'5.2"

Road Name STAVE RIVER
User km 10.5
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) 11

Deck Width (m) 4

Updated Data

Latitude Longitude
49°29'7.56" -122°15'3.68"

HD Diff. (m) 31.4 Accuracy (m) 5

Stave River
10.5

30 tonnes

Temporary Bridge
N

Log Stringer

Gravel

Crib, Log or Untreated Timber

Crib, Log or Untreated Timber

1

9.0

4.5

Inspection

Date of Inspection 2014-12-02 10:01:34 AM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspection Comments

*Will
Feb 19/2015*

P.Eng Comments

This structure has 2 layers of stringers and only the bottom layer 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 Fair

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 Poor splitting

Bin Wall N/A

Concrete N/A

Caps or Sills N/A

Piles or Posts N/A

Ballast Wall Fair

Wing Wall N/A

Bracing N/A

Hardware N/A

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 Good

Curb Rail/Blocks/Posts Fair

Hand Rails/Walkouts N/A

Hardware N/A

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	740	100	sap and pocket rot detected
2	Cw	Y	820	100	sap and pocket rot detected
3	Cw	Y	700	60	sap rot
4	Cw	Y	760	150	sap and heart rot detected
5	Cw	Y	750	150	sap and heart rot detected
6	Cw	Y	700	50	sap rot
7	Cw	Y	750	50	sap rot

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Hazards

Estimated Present Water Level Depth (m)	1.0	High Water	☐	Debris	✕
Estimated Present Water Level Width (m)	10.	Aggradation	✕	Scour	✕
Estimated High Water Level Clearance (m)	0	Ice	☐		
Comments	structure has 2 layers of stringers can not properly assess top layer				

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Medium	Post bridge ahead signs and replace missing fenders
2	High	Post load rating sign
3	High	remove gravel and properly assess top layer of stringers

Monitor Item

Monitor Description

Monitoring Frequency

1	debris accumulations	routine inspection
2		
3		

Sketch
(Select Signature)

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Approach from Left Bank when facing downstream



Approach from Right Bank when facing downstream



upstream



downstream

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Right Bank Abutment when facing downstream



debris under structure



Left Bank Abutment when facing downstream



stringers