

CK-2263

STAVE RIVER 10.3km

2017 Inspection

CBR iPad Offline Ver



CBR Data

Latitude	Longitude
49°29'28.2"	-122°15'22.4"
Crossing Name	Side Creek
FSR #	8013 Branch # 1
Road Name	STAVE RIVER
User km	10.3
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)	11.4
Deck Width (m)	5

Updated Data

Latitude	Longitude
49°29'29.32"	-122°15'22.44"
HD Diff. (m)	34.7 Accuracy (m) 5

Inspection

Date of Inspection 2017-09-14 10:34:27 AM

Inspector Name Michael Foster

Inspector Comments

Replace structure for industrial use.
OK for excavator to cross for replacement activities.
No sign of recent industrial access in Road system.

Recommended Next Inspection Year 2018

Inspection Company Onsite Engineering Ltd

P.Eng Comments

Stringer diameter differences noted between the 2016 inspection and this inspection. This inspection more closely resembles that of the 2015 and 2014 inspections. Load rating is 20 tonnes. Replace structure soon. Post load rating sign.



26/01/2018

P.Eng Seal

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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 installed

Posted Load Rating No sign posted

Road Surface Good

Abutment

Log/Timber Cribs Poor Old and rotten, left side visibly leaning

Tie Backs Poor Rotten and some breaking off

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

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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	Poor	None installed as per WSBC regs
Hand Rails/Walkouts	N/A	
Hardware	N/A	
Overall Deck Condition	Poor	Stringers visibly rotten
Gravel Depth (mm)	0.5	

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Steel/Concrete

Serial/ID Plate

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)	Condition	Comment
1	Cw	N	800	35	Fair	Sap rot and knots
2	Cw	Y	900	30	Fair	Sap
3	Cw	Y	820	40	Fair	Sap rot and knots
4	Cw	Y	910	30	Fair	Sap
5	Cw	Y	850	30	Fair	Sap rot
6	Cw	Y	700	40	Fair	Sap

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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)	0.4	Ice	☐		

Comments Buildup of material in front of right abutment.

Repairs and Monitoring

Repair

Item	Priority	Repair Description
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1	Medium	Replace structure for industrial loading
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2	High	Post load rating sign
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3		
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Item	Monitor Description	Frequency
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1		
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2		
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3		
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Sketch
(Select Signature)



Approach from Right Bank when facing downstream



Left approach viewed from bridge



Right approach viewed from bridge



Downstream Profile



Right Bank Abutment when facing downstream



Upstream Profile



Left Bank Abutment when facing downstream



Approach from Left Bank when facing downstream