

CK-2267

STAVE RIVER 17.8km

2017 Inspection

CBR iPad Offline Ver



CBR Data

Latitude	Longitude		
49°32'37.89"	-122°17'42.8"		
Crossing Name	Ole Creek		
FSR #	8013	Branch #	1
Road Name	STAVE RIVER		
User km	17.8		
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)	13.5		
Deck Width (m)	5		

Updated Data

Latitude	Longitude		
49°32'37.89"	-122°17'42.39"		
HD Diff. (m)	8.2	Accuracy (m)	5

Inspection

Date of Inspection 2017-09-14 1:37:16 PM

Recommended Next Inspection Year 2018

Inspector Name Michael Foster

Inspection Company Onsite Engineering Ltd

Inspector Comments

Replace structure. Continue with 10T load rating
Possible second layer of stringers but unable to assess.
Stringers not measured due to load rating and poor condition overall.

P.Eng Comments

Present load rating of 10 tonnes to continue. Due to the poor condition of the structure monitor it while in use, and inspect after heavy precipitation events. Consider cleaning the inlet to increase hydraulic capacity. Post load rating sign. Plan to replace the structure soon.



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, grader berms

Posted Load Rating No signs posted

Road Surface Good

Abutment

Log/Timber Cribs Poor Visibly rotten with face logs broken on left upstream side.

Tie Backs Poor Visibly rotten

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 Good

Riprap Fair

Bearings N/A

Corrosion Protection N/A

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Deck

Running Surface	Good
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Running Planks	N/A
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Sub Deck	N/A
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Ties	N/A
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Nails	N/A
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Deck to Girder Bolts	N/A
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Concrete Deck	N/A
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Grout Pockets	N/A
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Deck Joints	N/A
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Steel Deck Plate	N/A
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Gravel Surface	Good
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Curb Rail/Blocks/Posts	Fair	Logs lashed to guard logs with undersize cable
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Hand Rails/Walkouts	N/A
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Hardware	N/A
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Overall Deck Condition	Fair
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Gravel Depth (mm)	1.2
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Steel/Concrete

Serial/ID Plate

Girders

Diaphragms

Bracing

Under Trussing

Hardware

Welded/grouted
shear connectors

Log

Log Curbs Fair

Needle Beam Poor

Rotten and not shimmed to all stringers

Needle Lashing/
Shimming Poor

Not shimmed to any stringers

Needle Beam to Crib (m) 6.8

Needle Diameter (mm) 600

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

Comments Bedload buildup on right side of structure between crib and needlebeam

Repairs and Monitoring

Repair

Item	Priority	Repair Description
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1	Medium	Replace structure
2	High	Post load rating sign
3		

Item	Monitor Description	Frequency
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1

2

3

Sketch
(Select Signature)



Left approach viewed from bridge



Approach from Left Bank when facing downstream



Right approach viewed from bridge



Upstream Profile



Left Bank Abutment when facing downstream



Right Bank Abutment when facing downstream



Needlebeam



Downstream Profile



Stringers



Approach from Right Bank when facing downstream