

CK-2274

STAVE RIVER 31.6km

2016 Inspection



CBR iPad Offline Ver 0.23 SNT

CBR Data

Latitude	Longitude		
49°35'37.1"	-122°24'6.1"		
Crossing Name	Side Creek		
FSR #	8013	Branch #	1
Road Name	STAVE RIVER		
User km	31.6		
Current Load Rating (tonnes)	30		
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)	7.8		
Deck Width (m)	6.4		

Updated Data

Latitude	Longitude		
49°35'37.14"	-122°24'6.22"		
HD Diff. (m)	2.8	Accuracy (m)	5
29.4			

Inspection

Date of Inspection 2016-07-25 2:58:25 PM

Inspector Name Jamie Rupar Gilliatt

Inspection Company SNT Engineering

Inspector Comments

Significant scour below left abutment log. 700 mm dia. log with up to 800 mm of scour behind front face of log. Post bridge based on condition and repair or replace for industrial activity. Monitor after significant flow events until repaired or replaced. Stringers numbered from upstream to downstream. Error in App, subtract 1 for actual stringer number. Updated user km to 29.4.

P.Eng Comments

The fill under the left bank log sill continues to erode away. Limit loading to 10 tonnes and monitor while in use, especially during/after heavy precipitation or rain on snow events. Post load rating sign. This structure is questionable whether or not it can withstand Q10 flows, therefore plan to replace soon. Monitor.



14/03/2017

P.Eng Seal

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Approach

Alignment Good

 Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required Y Vegetation obscures delineators.

 Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

 Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Poor No fenders in place.

Posted Load Rating No posting sign.

Road Surface Fair Some small potholes.

Abutment

Log/Timber Cribbs N/A

Tie Backs N/A

Bin Wall N/A

Concrete N/A

Caps or Sills Poor Left abutment log sill ~9.5 m long and is almost completely undermined over 6 m, with the remaining 3.5 m being partially undermined. 2 stacked logs at right abutment.

Piles or Posts N/A

Ballast Wall N/A

Wing Wall N/A

Bracing N/A

Hardware N/A

Fill Fair

Riprap Poor None in place.

Bearings N/A No bearing pads.

Corrosion Protection N/A

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Deck

Running Surface	Fair	Some small potholes.
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	Some small potholes.
Curb Rail/Blocks/Posts	N/A	
Hand Rails/Walkouts	N/A	
Hardware	Good	
Overall Deck Condition	Fair	Potholes in gravel surface.
Gravel Depth (mm)	300	

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Steel/Concrete

Serial/ID Plate No ID Tag

Girders N/A

Diaphragms N/A

Bracing N/A

Under Trussing N/A

Hardware N/A

Welded/grouted
shear connectors N/A**Log**

Log Curbs Good

Fabric covering guardrail limited inspection. 250x250 mm guardrail on top of log curb.
Rating based on sounding only.

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)	Condition	Comment
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2	Hw	N	420	0	Fair	
3	Fd	N	340	0	Fair	
4	Hw	N	460	0	Fair	
5	Hw	N	430	0	Fair	
6	Fd	N	540	0	Fair	
7	Fd	N	440	0	Fair	
8	Fd	N	450	0	Fair	
9	Hw	N	500	0	Fair	
10	Fd	N	400	0	Fair	
11	Hw	N	450	0	Fair	
12	Fd	N	400	0	Fair	
13	Fd	N	450	0	Fair	
14	Hw	N	400	0	Fair	
15	Hw	N	420	0	Fair	Small Fungal Growth
16	Hw	N	370	0	Fair	
17	Hw	N	430	0	Fair	Small Fungal Growth
18	Hw	N	530	0	Fair	

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Hazards

Estimated Present Water Level Depth (m)	0.2	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	5	Aggradation	☐	Scour	☒
Estimated High Water Level Clearance (m)	0	Ice	☐		
Comments	Significant scour under left abutment log. 700 mm dia. log with up to 800 mm of scour behind front face of log.				

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	Reinstate material below left abutment log and place riprap, or replace bridge.
2	Medium	Install bridge ahead signs and brush approaches. Install load posting sign until repairs performed.
3		

Item	Monitor Description	Frequency
1	Monitor left abutment scour after significant flow events until repair/replacement.	Other
2		
3		

Sketch
(Select Signature)

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Left Approach Facing Bridge



Deck



Left Approach Facing Away From Bridge



Right Approach Facing Away From Bridge



Right Approach Facing Bridge



Looking Downstream



Looking Upstream



Stringer 14 Small Fungal Growth



Stringer 15 Fungal Growth



Right Bank Abutment



Left Abutment Scour



Stringers



Left Bank Abutment



Downstream Elevation



Upstream Elevation



Left Abutment Scour