

CK-2274

STAVE RIVER 31.6km

2016 Inspection



CBR iPad Offline Ver 0.21

CBR Data

Latitude	Longitude		
49°35'37.79"	-122°24'7.7"		
Crossing Name	Side Creek		
FSR #	8013	Branch #	1
Road Name	STAVE RIVER		
User km	31.6		
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)	7.8		
Deck Width (m)	5.8		

Updated Data

Latitude	Longitude		
49°35'37.11"	-122°24'6.09"		
HD Diff. (m)	38.6	Accuracy (m)	5
6.4			

Inspection

Date of Inspection 2015-09-22 9:52:50 AM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

P.Eng Comments

The left bank sill has been scoured 70% of total length resulting in an uneven bearing surface; therefore limit loading to 30 tonnes. Place bags of sakrete under the sill as a temporary measure to increase the load rating or alternatively completely reinstall the structure ensuring complete bearing and scour protection. Post load rating sign. Monitor the structure.



13/01/2016

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 ☐ 2

 Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Poor none

Posted Load Rating not posted

Road Surface Good

Abutment

Log/Timber Cribs N/A

Tie Backs N/A

Bin Wall N/A

Concrete N/A

Caps or Sills Fair single log sill left bank, piled sills right bank

Piles or Posts N/A

Ballast Wall N/A

Wing Wall N/A

Bracing N/A

Hardware Good

Fill Fair

Riprap Poor none in front of sills

Bearings Poor left sill scoured 70%

Corrosion Protection N/A

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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	Good
Hand Rails/Walkouts	N/A
Hardware	N/A
Overall Deck Condition	Good
Gravel Depth (mm)	300

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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

Stringer Number	Needle Beam to Crib (m)		Diameter (mm)	Needle Diameter (mm)		Condition	Comment
	Species	Peeled		Rot Depth (mm)			
1	Hw	N	370			Fair	
2	Hw	N	370			Fair	
3	Hw	N	530			Fair	
4	Hw	N	420			Fair	
5	Hw	N	530			Fair	
6	Fd	N	500			Fair	
7	Fd	N	520			Fair	
8	Hw	N	570			Fair	
9	Fd	N	490			Fair	
10	Fd	N	440			Fair	
11	Fd	N	450			Fair	
12	Fd	N	560			Fair	
13	Fd	N	430			Fair	
14	Fd	N	420			Fair	
15	Hw	N	440			Fair	
16	Fd	N	420			Fair	
17	Hw	N	570			Fair	

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Hazards

Estimated Present Water Level Depth (m)	0.3	High Water	☒	Debris	☒
Estimated Present Water Level Width (m)	6.0	Aggradation	☐	Scour	☒
Estimated High Water Level Clearance (m)	0	Ice	☐		

Comments left abutment undermined/scoured and not fully bearing

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	place bags of sakrete under left sill for proper bearing or completely reinstall for a higher load rating

2 Low post bridge ahead signs

3 High post load rating sign

Item	Monitor Description	Frequency
1	future scour under sills	Anually

2

3

Sketch
(Select Signature)

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Approach from Left Bank when facing downstream



Approach from Right Bank when facing downstream



Deck



Right Bank Abutment when facing downstream

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Left Bank Abutment when facing downstream



right sill configuration - upstream



Upstream Profile



right sill configuration - downstream

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Left Bank Abutment when facing downstream