

CK-2271

STAVE RIVER 24.6km

2017 Inspection



CBR iPad Offline Ver

CBR Data

Latitude	Longitude
49°34'21.29"	-122°22'3"
Crossing Name	Stave River
FSR #	8013 Branch # 1
Road Name	STAVE RIVER
User km	24.6
Current Load Rating (tonnes)	41
Structure Class	Permanent Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Timber - Untreated
Abutment Left	Steel Pipe and Precast Pad
Abutment Right	Concrete Cast in Place
Spans	1
Total Length (m)	24.5
Deck Width (m)	4.3

Updated Data

Latitude	Longitude
49°34'20.52"	-122°22'2.31"
HD Diff. (m)	27.6 Accuracy (m) 10

Inspection

Date of Inspection 2017-09-14 3:07:10 PM

Recommended Next Inspection Year 2019

Inspector Name Michael Foster

Inspection Company Onsite Engineering Ltd

Inspector Comments

Overall structure in fair condition. Consider replacing deck wear planks in next few years depending on traffic.

P.Eng Comments

The running planks are showing signs of age/wear. Previous inspections noted 2 ties, located at the right abutment end are untreated and showing signs of age/wear. Based on this the present load rating of L45 or 41 tonnes to continue - post load rating sign. Prior to sustained industrial use, replace the planks, the 2 worn ties, and the guardrail system. Post bridge ahead signs and the transition and bullnose to the downstream right approach barriers.



26/01/2018

P.Eng Seal

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Approach

Alignment Fair

Left bank has tight curve near bridge

Bridge Ahead Signs

Missing

☐ 0☐ 1☒ 2

Brushing Required

N

Delineator Missing

Left

☒ 0☐ 1☐ 2

Delineator Missing

Right

☒ 0☐ 1☐ 2

Fender Condition

Fair

Posted Load Rating

Road Surface

Good

Abutment

Log/Timber Cribs

N/A

Tie Backs

N/A

Bin Wall

N/A

Concrete

Good

Cast in place pads on right side

Caps or Sills

N/A

Piles or Posts

Good

Post and pad on left side

Ballast Wall

Good

Creosote treated timbers

Wing Wall

N/A

Bracing

Good

Hardware

N/A

Fill

Good

Riprap

Good

Bearings

Good

Corrosion Protection

N/A

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Deck

Running Surface	Fair	
Running Planks	Fair	Surface is showing visible wear. Replace in a few years
Sub Deck	Good	Appears to be creosote treated
Ties	Good	Treated
Nails	Good	
Deck to Girder Bolts	Good	
Concrete Deck	N/A	
Grout Pockets	N/A	
Deck Joints	N/A	
Steel Deck Plate	N/A	
Gravel Surface	N/A	
Curb Rail/Blocks/Posts	Fair	Woven geotextile is being used to try and keep gravel Fill from falling between guardrails and deck but it is torn in numerous places and not working.
Hand Rails/Walkouts	N/A	
Hardware	Good	
Overall Deck Condition	Fair	
Gravel Depth (mm)		

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Steel/Concrete

Serial/ID Plate

Girders Good

Diaphragms Good

Bracing Good

Under Trussing N/A

Hardware Good

Welded/grouted
shear connectors N/A**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
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Hazards

Estimated Present Water Level Depth (m)	3.0	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	5.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	3.0	Ice	☐		

Comments No hazards due to IPP above

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	Post load rating sign
2	Medium	Replace planks , 2 worn ties and guardrail system
3	Medium	Add transition and bullnose pieces to concrete barrier at downstream right approach
4	Low	Post bridge ahead signs

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)



Right Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Downstream Profile



Bearing



Approach from Left Bank when facing downstream



Right approach viewed from bridge



Left approach viewed from bridge



Upstream from Crossing



Downstream from Crossing



Upstream Profile



Guard Rail



Approach from Right Bank when facing downstream