CK-2271	STAVE RIVER 26.2km	2015 Inspection

CBR iPad Offline Ver 0.21

CBR Data

Latitude	Longitude
49°34'21"	-122°22'3"

Crossing Name	Stave River
FSR #	8013
Branch #	1
Road Name	STAVE RIVER
User km	26.2
Current Load Rating (tonnes)	68
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°34'21.27"	-122°22'2.97"

HD Diff. (m)	8.3	Accuracy (m)	5
	Timber – Treated		

Inspection

Date of Inspection	2015-09-22 10:30:14 AM		
Inspector Name	Tyson Miller	Inspection Company	MFLNRO

Inspector Comments

P.Eng Comments

The running planks are treated and showing signs of heavy wear. Replace the running deck with an MoF standard treated subdeck and non-treated wear planks. Ensure the 2 non-treated ties that are located on the right approach are also replaced at the same time as they are rotting. Replace the damaged section of guardrail. Post bridge ahead signs. Reduce loading to L45 or 41 tonnes until the repairs are completed. Post load rating sign.

P.Eng Seal

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	Fair	
Posted Load Rating		not posted
Road Surface	Good	

Abutment

Log/Timber Cribs	N/A	
Tie Backs	N/A	
Bin Wall	N/A	
Concrete	Good	CIP right
Caps or Sills	Good	concrete
Piles or Posts	Good	left bank only
Ballast Wall	Good	treated timbers
Wing Wall	N/A	
Bracing	Good	
Hardware	Fair	
Fill	Fair	eroding on left approach
Riprap	Good	
Bearings	Good	
Corrosion Protection	Fair	

Deck

Running Surface	N/A	
Running Planks	Fair - Poor	treated planks - wearing on wheel path
Sub Deck	N/A	
Ties	Fair	2 non treated ties have rot - other ties treated and in good shape
Nails	Fair - Poor	fair to poor as some are starting to protrude on worn planks
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	replace damaged section
Hand Rails/Walkouts	N/A	
Hardware	N/A	
Overall Deck Condition	Fair	
Gravel Depth (mm)		

Steel/Concrete

Serial/ID Plate

Girders Good

Diaphragms Good

Bracing Good

Under Trussing N/A

Hardware N/A

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

Hazards

Estimated Present Water Level Depth (m)	2.0	High Water ☐	Debris ☐
Estimated Present Water Level Width (m)	5.0	Aggradation ☐	Scour ☐
Estimated High Water Level Clearance (m)	8.0	Ice ☐	

Comments: dam immediately upstream

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	replace 2 rotting ties at right end
2	High	replace running planks and ensure non-treated wear planks are installed on top
3	Medium	replace damaged guardrail section

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)

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Approach from Left Bank when facing downstream

Right Bank Abutment when facing downstream

eroding fill on left upstream approach

Deck

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nails starting to protrude

guardrail damage

wheel path decking wearing

2 non-creosoted ties on right approach - replace

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Left Bank Abutment when facing downstream

dam immediately upstream from crossing

Approach from Right Bank when facing downstream