

CK-2269

STAVE 20.3km

2018 Inspection

CBR iPad Offline Ver 0.28



CBR Data

Latitude	Longitude		
49°33'16.89"	-122°19'19"		
Crossing Name	Stave River		
FSR #	8013	Branch #	1
Road Name	STAVE		
User km	20.3		
Current Load Rating (tonnes)	68		
Structure Class	Temporary Bridge		
Portable	N		
Superstructure	Steel I-beam		
Deck Type	Timber - Untreated		
Abutment Left	Crib, Log or Untreated Timber		
Abutment Right	Sill -Temporary Materials		
Spans	1		
Total Length (m)	19.5		
Deck Width (m)	4.3		

Updated Data

Latitude	Longitude		
49°33'17.14"	-122°19'20.35"		
HD Diff. (m)	28.2	Accuracy (m)	10
L30 or 27 tonnes			

Inspection

Date of Inspection 2018-06-06 1:43:31 PM

Recommended Next Inspection Year 2020

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

The right abutment slopes to the upstream at approx 3-5%. 3 of 5 mud sills are rotten, only the downstream and upstream ones competent with up to 100mm sap rot. Mud sill at upstream bearing on rock and log buried in fill and log has approx 100mm sap rot. The entire structure is considered to be at the end of its life and a complete replacement is recommended.

P.Eng Comments

The timber deck is now at the end of its industrial life. The abutment is 32 years old and at the end of its industrial life. I recommend a complete replacement of the entire structure. Limit loading to L30 or 27 tonnes. Post load rating signs.



P.Eng Seal

CK-2269

STAVE 20.3km

2018 Inspection



CBR iPad Offline Ver 0.28

Approach

Alignment Poor

HC both approaches - S curve

Bridge Ahead Signs
Missing
☐ 0
 ☐ 1
 ☒ 2

Brushing Required Y

vegetation limits visibility

Delineator Missing
Left
☒ 0
 ☐ 1
 ☐ 2
Delineator Missing
Right
☒ 0
 ☐ 1
 ☐ 2

Fender Condition Fair

No posts all pushed off road with grader and should be reset

Posted Load Rating

Not posted

Road Surface Good

Abutment

Fair to poor - Left bank is 4 face logs high at downstream and 2 upstream. Right bank is single log sill

Log/Timber Cribs

Fair

on 4 mud sills

Tie Backs

Fair

Fair to poor - aged and cracking

Bin Wall

Concrete

Fair

Only downstream left bank

Caps or Sills

Fair

Creosote timbers

Piles or Posts

Ballast Wall

Poor

Rotten in locations and road fill will eventually start eroding through

Wing Wall

Fair

Bracing

Hardware

Fill

Fair

Riprap

Fair

On BR

Bearings

Corrosion Protection

CK-2269

STAVE 20.3km

2018 Inspection

CBR iPad Offline Ver 0.28



Deck

Running Surface

Running Planks	Poor	Heavy wear in locations along wheel path
----------------	------	--

Sub Deck	Fair
----------	------

Ties	Fair
------	------

Nails	Fair	Starting to protrude
-------	------	----------------------

Deck to Girder Bolts	Fair
----------------------	------

Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts	Poor	Rot at the left abutment end
------------------------	------	------------------------------

Hand Rails/Walkouts

Hardware	Fair
----------	------

Overall Deck Condition	Fair
------------------------	------

Gravel Depth (mm)

CK-2269

STAVE 20.3km

2018 Inspection

CBR iPad Offline Ver 0.28

**Steel/Concrete**

Girders Fair

4 girders, Painted with corrosion. Girders appear to slope upstream at right abutment.

Diaphragms Fair

Bracing Fair

Under Trussing

Hardware

Welded/grouted
shear connectors**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

CK-2269

STAVE 20.3km

2018 Inspection

CBR iPad Offline Ver 0.28



Hazards

Estimated Present Water Level Depth (m)	5.0	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	15.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	5.0	Ice	☐		

Comments

Bridge spans small canyon

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	Post load rating signs
2		
3		

Item	Monitor Description	Frequency
1	Sloping abutment at right bank	Anually
2		
3		

Sketch
(Select Signature)



Approach from Right Bank when facing downstream



Deck



Approach from Right Bank when facing downstream



Modular panels



Upstream from Crossing



Guardrail condition at left approach



Downstream from Crossing



Approach from Left Bank when facing downstream



Deck clips



50-70mm sap rot in crib



Right Bank Abutment when facing downstream



Deck from underneath



Downstream left wingwall



Left Bank Abutment when facing downstream



Left bank ballast wall non existent in locations



3 of 5 Mud sills on right bank rotten, only upstream and downstream still competent with 100mm sap rot noted



Upstream mud sill competent but bearing on rotten log in fill



Superstructure