

CK-2269

STAVE 20.3km

2021 Inspection

CBR iPad Offline Ver 0.33



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
Previous Load Rating (tonnes)	27
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
HD Diff. (m)	Accuracy (m)
L5 or 5 tonnes	

Inspection

Date of Inspection 2021-11-01 9:54:52 AM

Recommended Next Inspection Year 2022

Inspector Name Tyson Miller

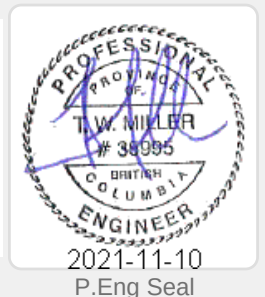
Inspection Company FLNRORD

Inspector Comments

Site has been surveyed
Bridge was posted at 68 tonnes - sign was removed during inspection
No apparent change in either abutment; both in poor condition. Timber deck in poor condition.
Evidence of equipment passing over recently

P.Eng Comments

There are now holes in the deck with some planks having been replaced - the timber deck is heavily rotten and in poor condition. The substructure is also in poor condition. Limit loading to L5 or 5 tonnes. Post load rating signs and plan to replace the entire structure.



CK-2269

STAVE 20.3km

2021 Inspection

CBR iPad Offline Ver 0.33



Approach

Alignment Fair

HC both approaches

 Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required Y

 Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

 Delineator Missing
Right ☐ 0 ☒ 1 ☐ 2

Fender Condition Fair

Concrete no post barriers off road at downstream right bank

Posted Load Rating

LOAD RATING SIGN noted 68 tonnes - THE SIGN WAS REMOVED

Road Surface Good

Abutment

Log/Timber Cribs Poor 4 face logs on left bank - Fair condition, single log sill on mud sills at right bank - poor condition

Tie Backs Poor rotting and splitting, includes mud sills

Bin Wall

Pier

Concrete Fair CIP downstream left bank

Caps or Sills Fair Treated timber

Piles or Posts

Ballast Wall Poor Failed at upstream left bank

Wing Wall Fair

Bracing

Hardware

Fill Fair

Riprap Fair BR canyon

Bearings Fair

Corrosion Protection

CK-2269

STAVE 20.3km

2021 Inspection

CBR iPad Offline Ver 0.33



Deck

Running Surface

Running Planks Poor decay throughout, worn heavily along wheel path, some planks have been replaced at right bank

Sub Deck Poor upstream deck edges were sampled and extensive rot located

Ties Poor extensive rot at ends

Nails Poor Protruding

Deck to Girder Bolts Fair

Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Poor Rotten

Hand Rails/Walkouts

Hardware Poor Loose rail bolts

Overall Deck Condition Poor All timber components in poor condition

Gravel Depth (mm)

Pier Deck

CK-2269

STAVE 20.3km

2021 Inspection

CBR iPad Offline Ver 0.33

**Steel/Concrete**

Girders Fair 4 I beams, painted and corroded

Diaphragms Fair Welded

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

2021 Inspection

CBR iPad Offline Ver 0.33



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

Repairs and Monitoring

Repair Item	Repair Description
1 Approach. . . Priority:High	Post proper load rating sign

2

3

4

5

6

7

Item	Monitor Description	Frequency
1	both abutment condition	Annually
2	timber deck condition	Annually
3		



Approach from Left Bank when facing downstream



Approach from Left Bank when facing downstream



Guard Rail



Holes in deck



Deck plank condition



Deck plank condition



Approach from Right Bank when facing downstream



Approach from Right Bank when facing downstream



Typical cross tie condition at ends



Left Bank Abutment when facing downstream



Superstructure



Mudsills at right bank in overall poor condition



Recent large wheeled vehicle passing over bridge



Recent track equipment passing over bridge



Upstream from Crossing



Downstream from Crossing



Left bank ballast wall has failed



Right Bank Abutment when facing downstream



Tieback condition



Deck clips

CK-2269
2269

STAVE 20.3km

2021 Inspection



CBR iPad Offline Ver 0.33



Timber deck condition along deck edge