

CK-2270

STAVE RIVER 23.6km

2015 Inspection



CBR iPad Offline Ver 0.21

CBR Data

Latitude	Longitude		
49°33'52.2"	-122°20'30"		
Crossing Name	Side Creek		
FSR #	8013	Branch #	1
Road Name	STAVE RIVER		
User km	23.6		
Current Load Rating (tonnes)			
Structure Class	Temporary Bridge		
Portable	N		
Superstructure	Steel I-beam		
Deck Type	Timber - Untreated		
Abutment Left	Crib, Log or Untreated Timber		
Abutment Right	Crib, Log or Untreated Timber		
Spans	1		
Total Length (m)	18.3		
Deck Width (m)	4.9		

Updated Data

Latitude	Longitude	
°0'0"	-122°20'30"	
HD Diff. (m)	5517494.9	Accuracy (m)

Inspection

Date of Inspection 2015-09-22 11:03:22 AM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

P.Eng Comments

Post bridge ahead signs and place log fenders or concrete no post barriers at both approaches. The deck planks are rotting and holes are starting to form. The steel girders bear directly over top the old log crib on the upstream left and downstream right banks. The log stringers underneath are in poor condition. Recommend replacing the deck system and at the same time removing the old log stringers from underneath before they fall into the stream. Reduce loading to L45 or 41 tonnes until the work has been completed. Post load rating sign.



12/01/2016

P.Eng Seal

CK-2270

STAVE RIVER 23.6km

2015 Inspection



CBR iPad Offline Ver 0.21

Approach

Alignment Fair

VC both approaches

 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 Crib Fair

old crib for log stringer structure underneath

Tie Backs Fair

old tiebacks for log stringer structure underneath

Bin Wall N/A

Concrete N/A

Caps or Sills Fair

timbers

Piles or Posts N/A

Ballast Wall Good

treated timbers

Wing Wall N/A

Bracing N/A

Hardware Fair

Fill Fair

Riprap Poor

none in front of crib

Bearings Fair

steel girders bearing directly over crib on upstream left bank and downstream right bank

Corrosion Protection N/A

CK-2270

STAVE RIVER 23.6km

2015 Inspection



CBR iPad Offline Ver 0.21

Deck

Running Surface N/A

Running Planks Poor outside planks rotting and holes starting to form

Sub Deck N/A

Ties Fair

Nails Fair starting to protrude on worn/rotting 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

Hand Rails/Walkouts N/A

Hardware N/A

Overall Deck Condition Fair

Gravel Depth (mm)

CK-2270

STAVE RIVER 23.6km

2015 Inspection



CBR iPad Offline Ver 0.21

Steel/Concrete

Serial/ID Plate Peter Kiewitt, L75 18.288m, Jan. 08, WO 2573

Girders Unrated can't get under to properly assess

Diaphragms Unrated can't properly assess

Bracing Unrated can't properly assess

Under Trussing N/A

Hardware Unrated can't see

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

CK-2270

STAVE RIVER 23.6km

2015 Inspection



CBR iPad Offline Ver 0.21

Hazards

Estimated Present Water Level Depth (m)	0.5	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	8.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	1.5	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
-------------	----------	--------------------

- | | | |
|---|--------|--|
| 1 | High | replace deck |
| 2 | High | post bridge ahead signs |
| 3 | Medium | place log fenders or concrete no post barriers |

Item	Monitor Description	Frequency
1	deck condition	Anually
2	log structure underneath	Anually

3

Sketch
(Select Signature)

CK-2270

STAVE RIVER 23.6km

2015 Inspection



Approach from Left Bank when facing downstream



modular deck



Approach from Right Bank when facing downstream



holes starting to form in deck

CK-2270

STAVE RIVER 23.6km

2015 Inspection



deck fasteners



log structure underneath current - left bank



Right Bank Abutment when facing downstream



300mm gap between structures

CK-2270

STAVE RIVER 23.6km

2015 Inspection



Left Bank Abutment when facing downstream



log stringer condition



log structure underneath - right bank

CK-2270

STAVE RIVER 23.6km

2015 Inspection



CK-2270

STAVE RIVER 23.6km

2015 Inspection

