

CK-2386

CENTRE CREEK 5.1km

2017 Inspection



CBR iPad Offline Ver 0.26

CBR Data

Latitude	Longitude		
49°3'57.39"	-121°31'21"		
Crossing Name	Centre Creek		
FSR #	5127	Branch #	17
Road Name	CENTRE CREEK		
User km	5.1		
Current Load Rating (tonnes)	30		
Structure Class	Temporary Bridge		
Portable	N		
Superstructure	Rail Car		
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)	5.1		

Updated Data

Latitude	Longitude		
49°3'57.7"	-121°31'20.97"		
HD Diff. (m)	9.3	Accuracy (m)	10
L60 or 54 tonnes			
17.3m			
5.7			

Inspection

Date of Inspection 2017-08-08 9:50:19 AM

Recommended Next Inspection Year 2019

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

16.0 m span
New deck on existing super and sub structure

P.Eng Comments

The FERIC Technical Report SR98 indicates BC Railcars are classified as "temporary" with an estimated service life of 10 years, subject to regular inspections. The Ministry does not have any information on when this structure was installed and as such needs to be monitored, especially while in use. According to SR98 when spanning 16 meters, the live load rating is L75 (68,040 kgs); however given the condition of the cribs I recommend reducing the load capacity by 5% and the load rating of L60 or 54 tonnes be assigned. Install log fenders at both approaches, place bridge ahead signs, and post the load rating.



31/08/2017

P.Eng Seal

CK-2386

CENTRE CREEK 5.1km

2017 Inspection



CBR iPad Offline Ver 0.26

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 Poor None

Posted Load Rating Not posted

Road Surface Fair

Abutment

Log/Timber Cribbs Fair Old rotting crib on right bank in front of bearing crib behind - bearing cribs in fair condition

Tie Backs Fair

Bin Wall

Concrete

Caps or Sills Fair Sill logs loosely lashed to top crib face log with up to 30mm sap rot - no crushing evident

Piles or Posts

Ballast Wall Fair

Wing Wall

Bracing

Hardware Good

Fill Fair

Riprap Fair

Bearings Fair

Corrosion Protection

CK-2386

CENTRE CREEK 5.1km

2017 Inspection

CBR iPad Offline Ver 0.26



Deck

Running Surface

Running Planks **Good**

Sub Deck

Ties **Good**

Nails **Good**

Deck to Girder Bolts **Good**

Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts **Good**

Hand Rails/Walkouts

Hardware **Fair** Loose lashing

Overall Deck Condition **Good**

Gravel Depth (mm)

CK-2386

CENTRE CREEK 5.1km

2017 Inspection

CBR iPad Offline Ver 0.26

**Steel/Concrete**

Serial/ID Plate

Girders Fair

Diaphragms

Bracing

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-2386

CENTRE CREEK 5.1km

2017 Inspection

CBR iPad Offline Ver 0.26



Hazards

Estimated Present Water Level Depth (m)	1.0	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	10.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	2.5	Ice	☐		

Comments

Repairs and Monitoring

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

1	Medium	Post bridge ahead and load rating signs
---	--------	---

2	Medium	Place fender logs at both approaches
---	--------	--------------------------------------

3		
---	--	--

Item	Monitor Description	Frequency
------	---------------------	-----------

1		
---	--	--

2		
---	--	--

3		
---	--	--

Sketch
(Select Signature)



Approach from Left Bank when facing downstream



Looking upstream from deck



Deck



Looking downstream from deck



Approach from Right Bank when facing downstream



Right bank bearing



Left Bank Abutment when facing downstream



Deck fasteners



Structure ID



Superstructure



Right Bank Abutment when facing downstream