

QC-7102

BONANZA 2.05km

2018 Inspection



CBR iPad Offline Ver

CBR Data

Latitude	Longitude
53°22'16.7"	-132°27'3.2"
Crossing Name	Riley Creek
FSR #	8229
Branch #	07
Road Name	BONANZA
User km	2.05
Current Load Rating (tonnes)	54
Structure Class	Temporary Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Timber - Treated
Abutment Left	Crib, Log or Untreated Timber
Abutment Right	Crib, Log or Untreated Timber
Spans	1
Total Length (m)	16
Deck Width (m)	3.8

Updated Data

Latitude	Longitude
53°22'16.11"	-132°27'2.92"
HD Diff. (m)	19.0
Accuracy (m)	5

4.3

Inspection

Date of Inspection 2018-09-16 12:18:26 PM

Inspector Name Robert Kemmler

Inspector Comments Serial/ID Plate None

Recommended Next Inspection Year 2020

Inspection Company Onsite Engineering

Steel components are showing heavy scaling. Suggest cleaning steel components and measure them all to determine section loss.

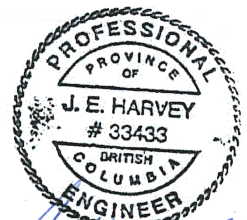
P.Eng Comments

Load Rated by: MFLNRO, J. Harvey P.Eng., November 5, 2018

Load Rating: 150 Tonnes GVW

Next Inspection: September 1, 2020

Comments: Post Load rating sign

February 6 2019
P.Eng Seal

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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 **0** Not postedRoad Surface **Fair**

Abutment

Log/Timber Crib **Fair** 3 high crib right, 2 high crib on mudsills on Left (could be 3 high crib as well)Tie Backs **Fair** No signs of settlement on Left (camp) downstream tieback.Bin Wall **N/A**Concrete **N/A**Caps or Sills **Good** 300 x 300 treated timbers.Piles or Posts **N/A**Ballast Wall **Good**Wing Wall **N/A**Bracing **Fair** Lashing in place.Hardware **Fair**Fill **Good**Riprap **Fair**Bearings **Good**Corrosion Protection **Poor** Heavy scaling on all steel components.

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Deck

Running Surface	Fair	
Running Planks	Fair	
Sub Deck	Good	Treated timber
Ties	Good	Treated timber
Nails	Fair	
Deck to Girder Bolts	N/A	
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)	0	

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Steel/ConcreteGirders **Poor** Heavy scaling on girders.Diaphragms **Fair**Bracing **Fair**Under Trussing **N/A**Hardware **Fair**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

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Hazards

Estimated Present Water Level Depth (m)	2.0	High Water	Debris
Estimated Present Water Level Width (m)	6.0	Aggradation	Scour
Estimated High Water Level Clearance (m)	1.75	Ice	

Comments

Repairs and Monitoring

Repair

Item	Priority	Repair Description
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- | | | |
|---|--------|---|
| 1 | High | Post current load rating. |
| 2 | Medium | Consider cleaning girders, then measure for section loss and load rate. |
| 3 | | |

Item

Monitor Description

Frequency

- | | | |
|---|--|--------------------|
| 1 | Continue to monitor Left downstream tieback. | Routine Inspection |
| 2 | Monitor weathering of girders. | |
| 3 | | |

Sketch
(Select Signature)