

QC-7900

BONANZA/BILL BROWN 5.3km

2017 Inspection

CBR iPad Offline Ver



CBR Data

Latitude	Longitude
53°23'21.69"	-132°28'43.6"
Crossing Name	Not Known
FSR #	8229
Branch #	1
Road Name	BONANZA/BILL BROWN
User km	5.3
Current Load Rating (tonnes)	91
Structure Class	Permanent Bridge
Portable	Y
Superstructure	Steel I-beam
Deck Type	Timber - Untreated
Abutment Left	Concrete Lock Blocks
Abutment Right	Concrete Lock Blocks
Spans	1
Total Length (m)	15.3
Deck Width (m)	4.27

Updated Data

Latitude	Longitude
53°23'21.96"	-132°28'43.74"
HD Diff. (m)	8.4
Accuracy (m)	5

Inspection

Date of Inspection 2017-09-13 2:17:12 PM

Recommended Next Inspection Year 2018

Inspector Name Mitch Lowe

Inspection Company Onsite Engineering Ltd

Inspector Comments

Deck is in poor overall condition and girders are starting to show signs of age. Consider removing and repairing superstructure in 1-2 years.

P.Eng Comments

Load Rated by: MFLNRO, J. Harvey, November 7, 2017

Load Rating: 91 Tonnes GVW

Next Inspection: September 1, 2020

Comments: Replace sub deck and deck within the next fiscal



P.Eng Seal

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Approach

Alignment Good

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required Y

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

Fender Condition Fair

Posted Load Rating

Road Surface Fair

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Concrete Good Two high concrete blocks.

Caps or Sills Fair Single 8x12. River right sill is crushing on the downstream side.

Piles or Posts

Ballast Wall Fair Concrete construction pad ballast wall.

Wing Wall

Bracing

Hardware

Fill

Riprap Fair Extends right to creek banks.

Bearings Fair Timbersill is not the full bearing width of the structure.

Corrosion Protection

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Deck

Running Surface

Running Planks	Poor	Nearing end of life replace in 1-2 years. Unknown dimension. Cannot fully asses due to gravel.
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Sub Deck	Poor	Nearing end of life replace in 1-2 years. 4x12
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Ties	Poor	Nearing end of life replace in 1-2 years. 8x12
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Nails	Poor	Nearing end of life replace in 1-2 years.
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Deck to Girder Bolts	Fair
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Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts	Poor	Nearing end of life replace in 1-2 years.
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Hand Rails/Walkouts

Hardware

Overall Deck Condition	Fair
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Gravel Depth (mm)

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Steel/Concrete

Serial/ID Plate Ruskin L100 June 01 OC

Girders Poor

Bottom flange starting to corrode. Monitor for section loss.

Diaphragms Fair

Bracing Fair

Under Trussing

Hardware Fair

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

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Hazards

Estimated Present Water Level Depth (m)	0.3	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	12	Aggradation	☐	Scour	☒
Estimated High Water Level Clearance (m)	1.5	Ice	☐		

Comments

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	High	Replace the deck in 1-2 years.
2		
3		

Item	Monitor Description	Frequency
1	Monitor deterioration of girders. Consider removing structure and sandblasting while the deck is removed.	Routine Inspection
2		
3		

Sketch
(Select Signature)