

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

Approach

Alignment **Good**
 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**

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

Deck

Running Surface

Running Planks Poor Nearing end of life replace in 1-2 years. Unknown dimension. Cannot fully asses due to gravel.

 Sub Deck Poor Nearing end of life replace in 1-2 years. 4x12

 Ties Poor Nearing end of life replace in 1-2 years. 8x12

 Nails Poor Nearing end of life replace in 1-2 years.

Deck to Girder Bolts Fair

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.

Hand Rails/Walkouts

Hardware

Overall Deck Condition Fair

Gravel Depth (mm)

QC-7900

BONANZA/BILL BROWN 5.3km

2017 Inspection



CBR iPad Offline Ver

Hazards

Estimated Present Water Level Depth (m)	0.3	High Water	<input type="checkbox"/>	Debris	<input type="checkbox"/>
Estimated Present Water Level Width (m)	12	Aggradation	<input type="checkbox"/>	Scour	<input checked="" type="checkbox"/>
Estimated High Water Level Clearance (m)	1.5	Ice	<input type="checkbox"/>		

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)