

QC-7109

BONANZA 20km

2019 Inspection

CBR iPad Offline Ver



CBR Data

Latitude	Longitude
53°28'49"	-132°29'58.8"
Crossing Name	Bonanza Creek
FSR #	8229
Branch #	07
Road Name	BONANZA
User km	20
Previous Load Rating (tonnes)	68
Structure Class	Permanent Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Concrete Composite
Abutment Left	Steel Pipe and Precast Pad
Abutment Right	Steel Pipe and Precast Pad
Spans	1
Total Length (m)	27.5
Deck Width (m)	4.27

Updated Data

Latitude	Longitude
53°28'49"	-132°30'1.24"
HD Diff. (m)	44.9
Accuracy (m)	5

Inspection

Date of Inspection 2019-09-16 11:49:58 AM

Recommended Next Inspection Year 2022

Inspector Name Lindsey McGill

Inspection Company Chartwell Consultants Ltd.

Inspector Comments Serial/ID Plate MBS 90FT, #121 L75, JUNE 97

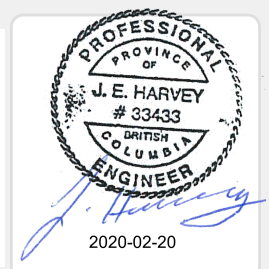
P.Eng Comments

Load Rated by: FLNRORD, J. Harvey P.Eng., February 13, 2020

Load Rating: 68 Tonnes GVW

Next Inspection: September 1, 2022

Comments:



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 Good

Abutment

Log/Timber Cribs N/A

Tie Backs N/A

Bin Wall N/A

Pier N/A

Concrete Good

Caps or Sills N/A

Piles or Posts Fair

Ballast Wall Good Welded connection

Wing Wall Good

Bracing Fair

Hardware N/A

Fill

Riprap Fair Stacked very steep on left abutment.

Bearings Fair Rubber bearings are starting to wear and bulging present. Still 20mm of rubber left.

Corrosion Protection N/A Present on posts but minor corrosion and pitting is present.

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**Deck**

Running Surface Good

Running Planks N/A

Sub Deck N/A

Ties N/A

Nails N/A

Deck to Girder Bolts N/A

Concrete Deck Fair Damage from tracked equipment walking across, Minor.

Grout Pockets Good

Deck Joints Fair

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 Good

Gravel Depth (mm)

Pier Deck N/A

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Steel/Concrete

Girders Fair Bolted splice plate

Diaphragms Fair

Bracing Fair Bolted

Under Trussing N/A

Hardware N/A

Welded/grouted
shear connectors Fair**Log**

Log Curbs N/A

Needle Beam N/A

Needle Lashing/
Shimming N/A

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)	.5	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	10	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	7.5	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
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1	Low	Brush road and install bridge ahead signs.
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2		
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3		
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Item	Monitor Description	Frequency
1	Monitor bulging bearing pads	Routine Inspection

2	Riprap is stacked very steep on left abutment - no movement observed but should be monitored.	Routine Inspection
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3		
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Sketch
(Select Signature)



Bearing



Structure ID



Upstream from Crossing



Right Bank Abutment when facing downstream



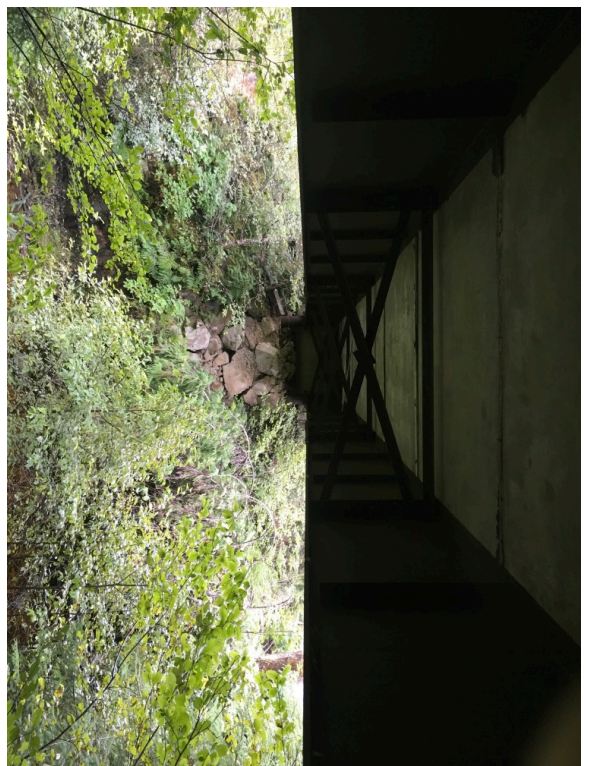
Approach from Right Bank when facing downstream



Downstream from Crossing



Deck



Left Bank Abutment when facing downstream

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Approach from Left Bank when facing downstream

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