

QC-7105

HANGOVER 10.7km

2019 Inspection

CBR iPad Offline Ver



CBR Data

Latitude 53°24'47.8" Longitude -132°31'12.4"

Crossing Name Bonanza Creek

FSR # 8229 Branch # 06

Road Name HANGOVER

User km 10.7

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) 33.5

Deck Width (m) 4.9

Updated Data

Latitude °0'0" Longitude °0'0"

HD Diff. (m) 5945938.9 Accuracy (m)

Inspection

Date of Inspection 2019-09-16 1:30 PM

Recommended Next Inspection Year 2021

Inspector Name Lindsey McGill

Inspection Company Chartwell Consultants Ltd.

Inspector Comments Serial/ID Plate #890 MBS, May/96

Guardrails need replacement. Large impact on upstream side and significant rot observed throughout. Replace sediment catch boards on sides as well.

P.Eng Comments

Load Rated by: FLNRORD, J. Harvey P.Eng., February 11, 2020

Load Rating: 0 Tonnes GVW

Next Inspection: September 1, 2022

Comments: Load rating to be increased once guard rail have been replaced. Block off bridge



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 Poor

Replace all guardrails and timber components

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

Wing Wall Good

Integrated with ballast wall

Bracing Good

Hardware N/A

Fill Good

Riprap Good

Bearings Fair

Minor wear observed

Corrosion Protection Fair

Typical pitting and corrosion present

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**Deck**

Running Surface	N/A	
Running Planks	N/A	
Sub Deck	N/A	
Ties	N/A	
Nails	N/A	
Deck to Girder Bolts	N/A	
Concrete Deck	Fair	
Grout Pockets	Fair	
Deck Joints	Fair	Grout has worn through in places and should be patched.
Steel Deck Plate	N/A	
Gravel Surface	N/A	
Curb Rail/Blocks/Posts	Poor	Replace all guardrails and related hardware.
Hand Rails/Walkouts	N/A	
Hardware	Poor	Replace all guardrails and related hardware.
Overall Deck Condition	Fair	
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 Fair

Welded/grouted
shear connectors N/A**Log**

Log Curbs Fair Recommend replacement prior to industrial activity

Needle Beam N/A

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)	.8	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	15	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	5.5	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	Replace all timber guardrail components.
2	Medium	Patch deck joints with grout
3	Medium	Brush out approaches

Item	Monitor Description	Frequency
1	Corrosion in steel components	Routine Inspection
2		
3		

Sketch
(Select Signature)

Guard Rail



Approach from Left Bank when facing downstream



Structure ID



Guard Rail



Approach from Right Bank when facing downstream



Bearing



Downstream Profile



Left Bank Abutment when facing downstream





Right Bank Abutment when facing downstream



Upstream from Crossing



Guard Rail



Downstream from Crossing

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Structure ID



Guard Rail



Deck



Approach from Left Bank when facing downstream



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