

CK-2122

HARRISON EAST 57.6km

2019 Inspection

CBR iPad Offline Ver 0.31



CBR Data

Latitude	Longitude		
49°46'56.1"	-121°51'46.1"		
Crossing Name	Big Silver Creek		
FSR #	5748	Branch #	1
Road Name	HARRISON EAST		
User km	57.6		
Previous Load Rating (tonnes)	136		
Structure Class	Permanent Bridge		
Portable	N		
Superstructure	Compo Girders		
Deck Type	Concrete Composite		
Abutment Left	Steel Pipe and Precast Pad		
Abutment Right	Steel Pipe and Precast Pad		
Spans	1		
Total Length (m)	28		
Deck Width (m)	4.9		

Updated Data

Latitude	Longitude		
49°46'55.91"	-121°51'45.26"		
HD Diff. (m)	17.9	Accuracy (m)	5
L150 or 136 tonnes			

Inspection

Date of Inspection 2019-08-15 1:06:49 PM

Inspector Name Tyson Miller

Recommended Next Inspection Year 2022

Inspection Company FLNRORD

Inspector Comments

P.Eng Comments

Brush and grade approaches. Post bridge ahead signs, and replace the left bank log fender logs with minimum 600mm diameter x 6m length ones. The current load rating of L150 or 136 tonnes to continue.



2020-02-12

P.Eng Seal

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Approach

Alignment	Fair	HC both approaches
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	Rotting logs left approach
Posted Load Rating		Not posted
Road Surface	Fair	Potholes

Abutment

Log/Timber Cribs		
Tie Backs		
Bin Wall		
Pier		
Concrete	Good	Cast in place right bank
Caps or Sills		
Piles or Posts	Good	
Ballast Wall	Fair	Some wear on wheel path both approaches
Wing Wall	Good	Right approach upstream and downstream
Bracing		None due to limited pipe height
Hardware		
Fill	Good	
Riprap	Good	BR
Bearings	Good	
Corrosion Protection	Good	Painted

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Deck

Running Surface **Good**

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck **Good**

Grout Pockets **Good**

Deck Joints **Good**

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts **Good**

Hand Rails/Walkouts

Hardware **Good**

Overall Deck Condition **Good**

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Good

Composite with hairline cracks noted

Diaphragms Good

2 welded phase

Bracing

Under Trussing

Hardware

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

Comments

Stream is a canyon under bridge

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	Low	Brush approaches and post bridge ahead signs
2	Medium	replace log fender logs with minimum 600mm diameter x 6m length at left approach
3		

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)



Approach from Right Bank when facing downstream



Deck



Wearing top of ballast wall right bank



Upstream from Crossing



Downstream from Crossing



Approach from Left Bank when facing downstream



Superstructure



Approach from Right Bank when facing downstream



Ballast wall and first deck panel wearing



Ballast wall right bank upstream



Left Bank Abutment when facing downstream



CIP footings at right bank