

CK-2122
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HARRISON EAST 57.6km

2022 Inspection

CBR iPad Offline Ver 0.36



CBR Data

Latitude 49°46'56.1" Longitude -121°51'46.1"

Site Status Active

Insp. Status Inspect

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 49°46'56.17" Longitude -121°51'46.14"

HD Diff. (m) 2.4 Accuracy (m) 7

Inspection

Date of Inspection 2022-08-29 11:42:17 AM

Inspector Name Cameron VandenBrink, EIT

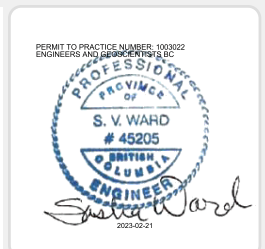
Recommended Next Inspection 2024

Inspection Company Chartwell Resource Group Ltd

Inspector Comments Serial/ID Plate

P.Eng Comments

Load rated by: MoF Sasha Ward RPF, P.Eng Feb 17 2023
Load rating: 136 tonnes or L150
Comments: monitor guard rails for rot and girders
Next inspection: 2024



PERMIT TO
PRACTICE: 1003022

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Approach

Alignment **Fair**

HC and T junction with teacup main on town side

Bridge Ahead Signs

Missing

☐ 0

☐ 1

☒ 2

Brushing Required **N**

Delineator Missing

Left

☒ 0

☐ 1

☐ 2

Delineator Missing

Right

☒ 0

☐ 1

☐ 2

Fender Condition **Fair**

Woods side rotten logs. Require replacement

Posted Load Rating

Road Surface **Fair**

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete **Good**

Caps or Sills

Piles or Posts

Ballast Wall **Fair**

Town downstream damaged

Wing Wall **Good**

Town end

Bracing

Hardware

Fill **Good**

Riprap **N/A**

Bedrock canyon

Bearings **Good**

Corrosion Protection **Good**

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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 **Fair** Showing age, currently still save

Hand Rails/Walkouts **Fair**

Hardware **Good**

Overall Deck Condition **Good**

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Fair

Visible steel starting to delaminate on top flange

Diaphragms Good

3 bays

Bracing Good

Under Trussing

Hardware Good

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) High Water ☐ Debris ☐
Estimated Present Water Level Width (m) 6 Aggradation ☐ Scour ☐
Estimated High Water Level Clearance Ic ☐

Comments Could not estimate depth or high water due to safety concerns.

Repairs and Monitoring

Repair Item	Repair Description
1 Structure. Concrete structural maintenance. m². Priority:Low	Town ballast wall downstream, end repairs
2 Structure. Add Load Rating Signs. # sites. Priority:Low	Install on each approach and bridge ahead signage
3 Approach. Approach fenders (install). # of units. Priority:Medium	Woods requires both to be installed

4

5

6

7

Item	Monitor Description	Frequency
1		
2		
3		



Approach from Right Bank when facing downstream



Upstream from Crossing



Downstream from Crossing



Approach from bridge deck of Right bank approach when facing downstream



Approach from bridge deck of Left bank approach when facing downstream



Superstructure



Ballast Wall



Wing wall



Downstream Profile



Right Bank Abutment when facing downstream



Bearing