

SQ-3027
SQ-3027

BIRKENHEAD MAIN 15.7km

2022 Inspection

CBR iPad Offline Ver 0.36



CBR Data

Latitude 50°31'36.5"
Longitude -122°48'47.3"

Site Status Active

Insp. Status Inspect

Crossing Name Cerulean Creek

FSR # 5733 Branch # 1

Road Name BIRKENHEAD MAIN

User km 15.7

Previous Load
Rating (tonnes) 54

Structure Class Temporary Bridge

Portable N

Superstructure Rail Car

Deck Type Timber - Untreated

Abutment Left Concrete Lock Blocks

Abutment Right Concrete Lock Blocks

Spans 1

Total Length (m) 16

Deck Width (m) 5.38

Updated Data

Latitude 0°0'0"
Longitude 0°0'0"

HD Diff. (m) 5624618.3 Accuracy (m)

17

Inspection

Date of Inspection 2022-09-28 12:10:56 PM

Recommended Next Inspection 2024

Inspector Name Forrest Simpson

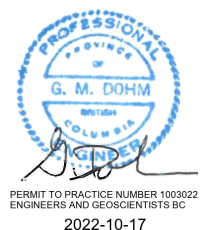
Inspection Company MoF

Inspector Comments Serial/ID Plate

Deck is nearing end of life. Could not access underside of ties due to old rail car decking remaining. Plan for replacement of deck and guardrails. Bridge behind gate, but evidence of recent industrial activity on woods side of crossing. Approach barriers signage and delineators needed.

P.Eng Comments

Load Rated by: MOF, Greg Dohm, PEng., Oct. 5, 2022
Load Rating: L60 or 54 tonnes
Next Inspection: 2023
Comments:



PERMIT TO
PRACTICE: 1003022

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Approach

Alignment Fair

Curve

Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required N

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

Delineator Missing
Right ☐ 0 ☒ 1 ☐ 2

Fender Condition Poor

Missing woods approach

Posted Load Rating 54

Road Surface Fair

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete Good

Lock blocks

Caps or Sills Good

12x12 Timbers in good condition

Piles or Posts

Ballast Wall Good

Wing Wall

Bracing

Hardware Good

Fill Good

Riprap Fair

Minimal, not keyed in.

Bearings Good

Corrosion Protection

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Deck

Running Surface Fair

Running Planks Fair Fair to poor. Rotting

Sub Deck Fair Fair to poor rotting and punching through in places

Ties Fair Fair. Ageing, could not access from underneath

Nails Unrated Could not, see

Deck to Girder Bolts

Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Fair Ageing rails. Need replacement

Hand Rails/Walkouts

Hardware Fair Loose rails

Overall Deck Condition Poor Rotting timber components

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Fair

Old rail car

Diaphragms

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)	0.5	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	2	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance	2	Ic	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
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1

2

3

4

5

6

7

Item	Monitor Description	Frequency
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1

2

3



Approach from Right Bank when facing downstream



Deck



Guard Rail



Deck



Deck



Approach from Left Bank when facing downstream



Bridge has seen industrial use



Right Bank Abutment when facing downstream



Superstructure



Left Bank Abutment when facing downstream



Right Bank Abutment when facing downstream



Upstream from Crossing



Downstream from Crossing



Superstructure