

SQ-3026
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BIRKENHEAD MAIN 9.2km

2022 Inspection

CBR iPad Offline Ver 0.36



CBR Data

Latitude 50°30'52.4" Longitude -122°44'21.6"

Site Status Active

Insp. Status Inspect

Crossing Name Birkenhead River

FSR # 5733 Branch # 1

Road Name BIRKENHEAD MAIN

User km 9.2

Previous Load Rating (tonnes) 68

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) 31

Deck Width (m) 4.3

Updated Data

Latitude °0'0" Longitude °0'0"

HD Diff. (m) 5623254.7 Accuracy (m)

Inspection

Date of Inspection 2022-09-28 12:57:03 PM

Recommended Next Inspection 2025

Inspector Name Forrest Simpson

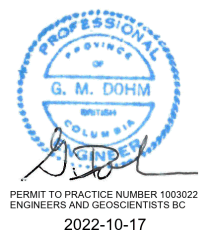
Inspection Company MoF

Inspector Comments Serial/ID Plate

Hairline cracks running vertically along entire length of girders. Check records. Consider adding approach barriers and signage. Post Inspection: hairline cracks have existed since installation and not changing significantly, per g.dohm

P.Eng Comments

Load Rated by: MOF, Greg Dohm, PEng., Oct. 5, 2022
Load Rating: L75 or 68 tonnes
Next Inspection: 2025
Comments:



PERMIT TO PRACTICE: 1003022

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Approach

Alignment Fair

Hump

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

Logs, rocks, undersized

Posted Load Rating 68

Road Surface Fair

Abutment

Log/Timber Cribbs Fair

Old, but retaining fill

Tie Backs Fair

Old

Bin Wall

Pier

Concrete

Caps or Sills

Piles or Posts Good

Ballast Wall Good

Wing Wall

Bracing Good

Hardware Good

Fill Good

Riprap Good

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 **Fair** Minor surface damage

Grout Pockets **Unrated** Not visible

Deck Joints **Good**

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts **Fair** Wood rails ageing. Risers sign of rot

Hand Rails/Walkouts

Hardware **Fair** Rails loose

Overall Deck Condition **Fair**

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Fair Ageing, hairline cracks, see notes

Diaphragms Fair

Bracing Fair

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)

High Water ☐

Debris ☒

Estimated Present Water Level Width (m)

Aggradation ☐

Scour ☐

Estimated High Water Level Clearance

Ic ☐

Comments

Repairs and Monitoring

Repair Item

Repair Description

1

2

3

4

5

6

7

Item

Monitor Description

Frequency

1

2

3



Approach from Right Bank when facing downstream



Deck



Guard Rail



Approach from Right Bank when facing downstream



Superstructure



Left Bank Abutment when facing downstream



Superstructure



Superstructure



Superstructure



Left Bank Abutment when facing downstream



Right Bank Abutment when facing downstream



Superstructure



Downstream Profile



Upstream Profile



Left Bank Abutment when facing downstream



Superstructure



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Right Bank Abutment when facing downstream