SQ-3026
SQ-3026

BIRKENHEAD MAIN 9.2km

2022 Inspection

CBR iPad Offline Ver 0.36

CBR Data

Latitude	Longitude
50°30'52.4"	-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	Longitude
°0'0"	°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:

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
G. M. DOHM

PERMIT TO PRACTICE NUMBER 1003022
ENGINEERS AND GEOSCIENTISTS BC
2022-10-17

PERMIT TO PRACTICE: 1003022

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 Cribs	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	

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 rials ageing. Risers sign of rot
Hand Rails/Walkouts		
Hardware	Fair	Rails loose
Overall Deck Condition	Fair	
Gravel Depth (mm)		
Pier Deck		

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

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

Superstructure

Superstructure

Left Bank Abutment when facing downstream

Right Bank Abutment when facing downstream

Superstructure

Superstructure

Left Bank Abutment when facing downstream

Left Bank Abutment when facing downstream

Downstream Profile

Superstructure

Upstream Profile

Right Bank Abutment when facing downstream