SQ-3106
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BLACKWATER CREEK 0.1km

2022 Inspection

CBR iPad Offline Ver 0.36

CBR Data

Latitude	Longitude
50°31'56.2"	-122°30'32.9"

Site Status	Active
Insp. Status	Inspect
Crossing Name	Blackwater Creek
FSR #	8354
Branch #	1
Road Name	BLACKWATER CREEK
User km	0.1
Previous Load Rating (tonnes)	68
Structure Class	Permanent Bridge
Portable	N
Superstructure	Concrete Slab Girders
Deck Type	Concrete
Abutment Left	Concrete Lock Blocks
Abutment Right	Concrete Lock Blocks
Spans	1
Total Length (m)	13.1
Deck Width (m)	4.88

Updated Data

Latitude	Longitude
°0'0"	°0'0"

HD Diff. (m)	5625227.5	Accuracy (m)	

Inspection

Date of Inspection	2022-09-28 11:09:28 AM	Recommended Next Inspection	2023
Inspector Name	Forrest Simpson	Inspection Company	MoF

Inspector Comments Serial/ID Plate

Right bank riprap large and poorly graded. Creek is travelling under upstream corner of riprap. Depending how many rows of lock blocks, Footings at risk of scour if continues to migrate/erode. Underside of girders have hairline cracks running laterally and longitudinally. All girders, multiple places mid span. Monitor both items. Consider increasing inspection frequency y to annual.

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	Good	
Bridge Ahead Signs Missing	• 0 ○ 1 ○ 2	
Brushing Required	Y	
Delineator Missing Left	○ 0 ○ 1 ○ 2	
Delineator Missing Right	○ 0 ○ 1 ○ 2	
Fender Condition		
Posted Load Rating		
Road Surface		

Abutment

Log/Timber Cribs		
Tie Backs		
Bin Wall		
Pier		
Concrete	Good	Lock blocks
Caps or Sills		
Piles or Posts		
Ballast Wall	Good	
Wing Wall		
Bracing		
Hardware		
Fill	Good	
Riprap	Poor	Right bank large, but poorly grade. Getting Undermined
Bearings	Good	
Corrosion Protection		

Deck

Running Surface	Good	
Running Planks		
Sub Deck		
Ties		
Nails		
Deck to Girder Bolts		
Concrete Deck	Fair	Surface damage. Rebar exposed. Patch
Grout Pockets		
Deck Joints	Good	
Steel Deck Plate		
Gravel Surface		
Curb Rail/Blocks/Posts	Good	New hss
Hand Rails/Walkouts		
Hardware		
Overall Deck Condition	Good	Except for patch needed
Gravel Depth (mm)		
Pier Deck		

Steel/Concrete

Girders	Fair	Cracks in concrete, see notes.
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

Hazards

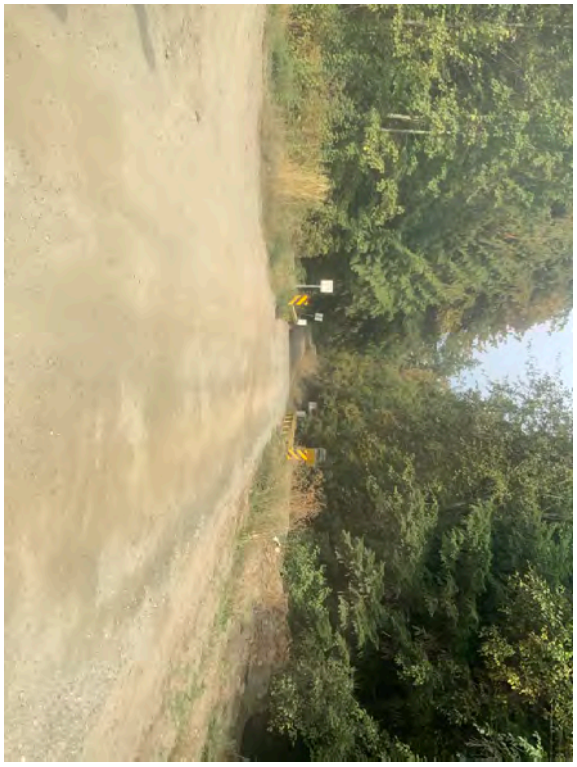
Estimated Present Water Level Depth (m)	.2	High Water ☐	Debris ☐
Estimated Present Water Level Width (m)	2	Aggradation ☐	Scour ☒
Estimated High Water Level Clearance	1.8	Ic ☐	

Comments

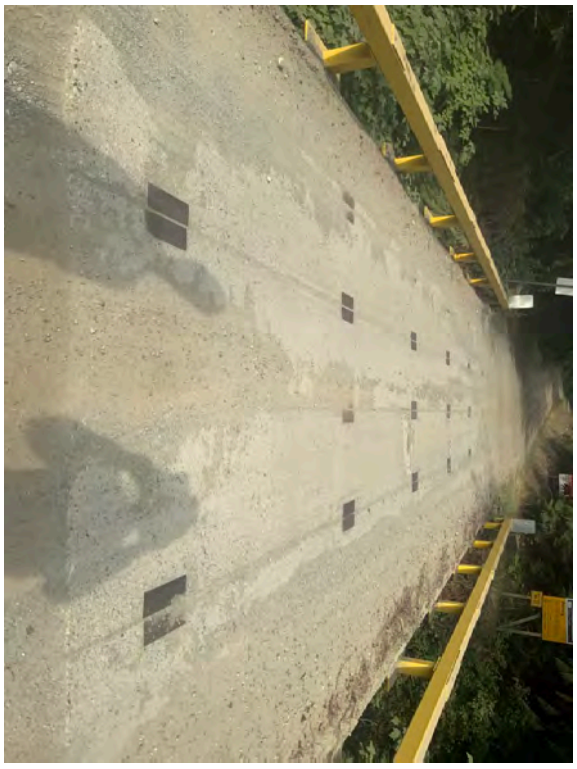
Repairs and Monitoring

	Repair Item	Repair Description
1	Structure. Concrete structural maintenance. m². Priority:High	Patch deck in multiple places.
2		
3		
4		
5		
6		
7		

Item	Monitor Description	Frequency
1	Concrete slab girders for hairline crack growth,	Anually
2	Right bank riprap/abutment forms underminning and scour	Anually
3		



Approach from Right Bank when facing downstream



Deck

Deck

Approach from Left Bank when facing downstream

Right Bank Abutment when facing downstream

Left Bank Abutment when facing downstream

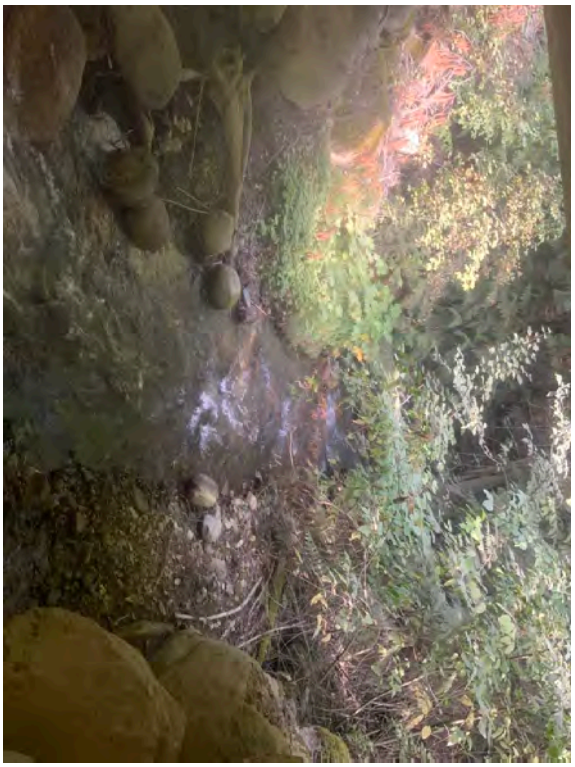
Right Bank Abutment when facing downstream

Superstructure

Superstructure

Superstructure

Upstream from Crossing

Superstructure

Downstream from Crossing