CK-2497
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ENGLISH 2.6km

2020 Inspection

CBR iPad Offline Ver 0.33

BRITISH COLUMBIA

CBR Data

Latitude	Longitude
49°39'23.1"	-121°51'58.9"

Crossing Name	Side Creek		
FSR #	5748	Branch #	29
Road Name	ENGLISH		
User km	2.6		
Previous Load Rating (tonnes)	91		
Structure Class	Temporary Bridge		
Portable	N		
Superstructure	Log Stringers		
Deck Type	Gravel		
Abutment Left	Sill -Temporary Materials		
Abutment Right	Sill -Temporary Materials		
Spans	1		
Total Length (m)	8		
Deck Width (m)	5.5		

Updated Data

Latitude	Longitude
49°39'22.65"	-121°51'59.18"

HD Diff. (m)	14.9	Accuracy (m)	100

L100 or 91 tonnes

Inspection

Date of Inspection	2020-05-15 12:16 PM	Recommended Next Inspection Year	2021
Inspector Name	Tyson Miller	Inspection Company	FLNRORD

Inspector Comments

Downstream left bank sill has been scoured
6.5m span

P.Eng Comments

Repair scour under the downstream left bank log sill to prevent further migration of foundation materials. Ensure the log sill is completely bearing on its foundation materials prior to covering with scour protection. Any further scour will likely result in a reduction of capacity. Brush approaches and post bridge ahead signs. Monitor scour under left bank sill. The current load rating of L100 or 91 tonnes can continue.

2020-12-15
P.Eng Seal

Approach

Alignment	Fair	HC and sharp VC left approach, steep approach right bank
Bridge Ahead Signs Missing	○ 0 ○ 1 ● 2	
Brushing Required	Y	
Delineator Missing Left	● 0 ○ 1 ○ 2	
Delineator Missing Right	● 0 ○ 1 ○ 2	
Fender Condition	Fair	Undersized logs
Posted Load Rating	91000	
Road Surface	Good	

Abutment

Log/Timber Cribs		
Tie Backs		
Bin Wall		
Pier		
Concrete		
Caps or Sills	Good	Single log sills
Piles or Posts		
Ballast Wall		
Wing Wall		
Bracing		
Hardware		
Fill	Fair	
Riprap	Fair	Scoured downstream left bank
Bearings	Fair	
Corrosion Protection		

Deck

Running Surface		
Running Planks		
Sub Deck		
Ties		
Nails		
Deck to Girder Bolts		
Concrete Deck		
Grout Pockets		
Deck Joints		
Steel Deck Plate		
Gravel Surface	Good	
Curb Rail/Blocks/Posts	Fair	Not fastened
Hand Rails/Walkouts		
Hardware		
Overall Deck Condition	Fair	
Gravel Depth (mm)	400	
Pier Deck		

Steel/Concrete

Girders

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
1	Fd	Y	600		Fair	
2	Fd	Y	560	10	Fair	
3	Fd	Y	530	10	Fair	
4	Fd	Y	490	10	Fair	
5	Fd	Y	510	10	Fair	
6	Fd	Y	520		Fair	
7	Fd	Y	520		Fair	
8	Fd	Y	540		Fair	
9	Fd	Y	580		Fair	
10	Fd	Y	560		Fair	
11	Fd	Y	550	10	Fair	
12	Fd	Y	550		Fair	

Hazards

Estimated Present Water Level Depth (m)	0.2	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	4.0	Aggradation	☐	Scour	☒
Estimated High Water Level Clearance (m)	0	Ice	☐		

Comments

Repairs and Monitoring

	Repair Item	Repair Description
1	Substructure. Log sill maintenance. Priority:High	Repair scour under left bank log sill
2	Approach. Area/sight line brushing. m². Priority:Low	Brush approaches
3	Approach. Bridge Ahead Signs. # of signs. Priority:Medium	Post bridge ahead signs
4		
5		
6		
7		

Item	Monitor Description	Frequency
1	Scour noted under left bank sill	Annually
2		
3		

Approach from Right Bank when facing downstream

Downstream from Crossing

Upstream from Crossing

Deck

Upstream Profile

Load Rating Sign

Right Bank Abutment when facing downstream

Approach from Left Bank when facing downstream

Left Bank Abutment when facing downstream

Downstream left bank sill scour

Downstream left bank starting to scour below sill