SQ-3086
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LILLOOET SOUTH 01 23.9km

2022 Inspection

CBR iPad Offline Ver 0.33

CBR Data

Latitude	Longitude
50°35'43.1"	-123°22'19.5"

Crossing Name	Perkins Creek
FSR #	7977
Branch #	1
Road Name	LILLOOET SOUTH 01
User km	23.9
Previous Load Rating (tonnes)	63
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)	17.6
Deck Width (m)	4.8

Updated Data

Latitude	Longitude
50°35'43.37"	-123°22'18.85"

HD Diff. (m)	15.1	Accuracy (m)	5

Inspection

Date of Inspection: 2022-10-19 12:28:48 PM

Recommended Next Inspection Year

Inspector Name: Gino Fournier

Inspection Company: FLNRORD

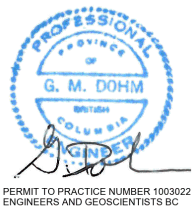
Inspector Comments

Serial/ID Plate

Replace full deck components due to rot. Consider downrating structure until completed.

P.Eng Comments

Load Rated by: MOF, Greg Dohm, PEng., Oct. 26, 2022
Load Rating: L45 or 41 tonnes
Next Inspection: 2023
Comments: Downrate load rating to L45 or 41 tonnes due to deteriorating timber deck. Replace full deck components and ideally replace crushing timber sills with treated or cedar timber sills for continued industrial use.



P.Eng Seal

Approach

Alignment	Fair	Fair for slow speed road
Bridge Ahead Signs Missing	(•) 0 ( ) 1 ( ) 2	It needed due to slow speed
Brushing Required	Y	
Delineator Missing Left	(•) 0 ( ) 1 ( ) 2	
Delineator Missing Right	(•) 0 ( ) 1 ( ) 2	
Fender Condition	Fair	Left side has no approach logs. Could add some
Posted Load Rating		
Road Surface	Good	

Abutment

Log/Timber Cribs	N/A	
Tie Backs	N/A	
Bin Wall	N/A	
Pier	N/A	
Concrete	N/A	
Caps or Sills	Poor	Starting to crush. Should consider replace,ent as deck is replaced
Piles or Posts	N/A	
Ballast Wall	N/A	
Wing Wall	N/A	
Bracing	N/A	
Hardware	N/A	
Fill	Good	
Riprap	Fair	
Bearings	N/A	
Corrosion Protection	N/A	

Deck

Running Surface	Poor	
Running Planks	Poor	Rotting deck and holes appearing
Sub Deck	N/A	
Ties	Poor	Ties sounded and minimum 50% are rotten. Replace all ties with deck and rails
Nails	Poor	Starting to pop with the warm ties
Deck to Girder Bolts	Fair	
Concrete Deck	N/A	
Grout Pockets	N/A	
Deck Joints	N/A	
Steel Deck Plate	N/A	
Gravel Surface	N/A	
Curb Rail/Blocks/Posts	Poor	Easily move due to rotten ties and loose bolts.
Hand Rails/Walkouts	N/A	
Hardware	N/A	
Overall Deck Condition	Poor	Replacement needed.
Gravel Depth (mm)		
Pier Deck	N/A	

Steel/Concrete

Girders	Fair	Railcar
Diaphragms	N/A	
Bracing	Fair	
Under Trussing	N/A	
Hardware	Fair	
Welded/grouted shear connectors	N/A	

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

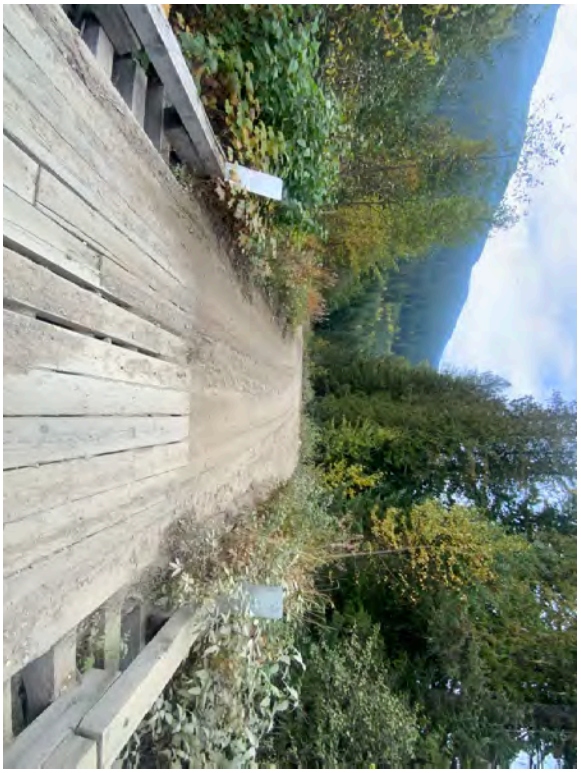
Estimated Present Water Level Depth (m)	.4	High Water	X	Debris	X
Estimated Present Water Level Width (m)	2	Aggradation		Scour	
Estimated High Water Level Clearance (m)	1.5	Ice			

Comments

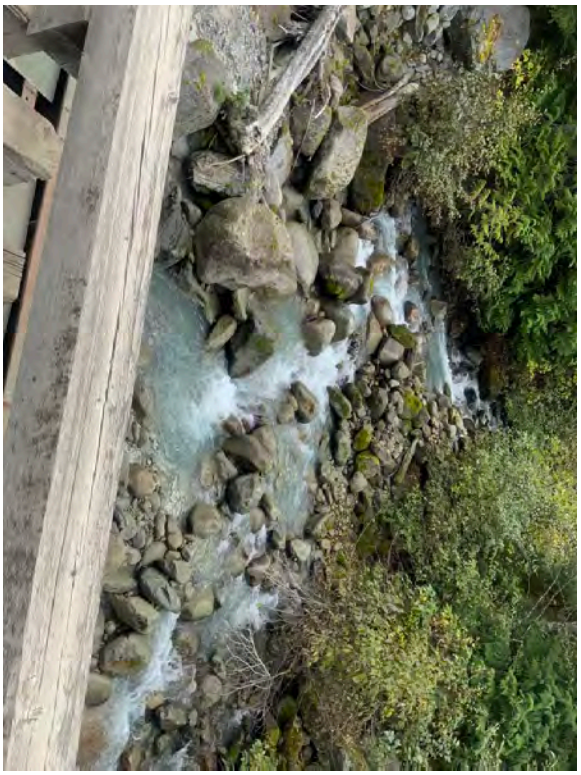
Repairs and Monitoring

	Repair Item	Repair Description
1	Structure. Major redecking (crossties or laminated deck). m. Priority:High	Replace ties, deck and guardrails. Should replace sills Botha sides as well.
2		
3		
4		
5		
6		
7		

Item	Monitor Description	Frequency
1		
2		
3		

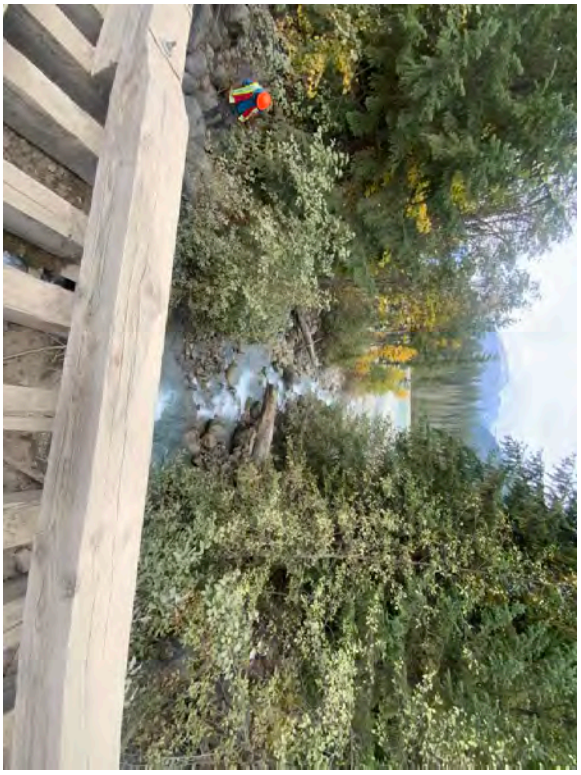


Approach from Left Bank when facing downstream



Upstream from Crossing

Deck



Downstream from Crossing

Sills showing age and crushing

Left Bank Abutment when facing downstream

Right Bank Abutment when facing downstream