

SQ-3086
SQ-3086

LILLOOET SOUTH 01 23.9km

2020 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°35'43.15"	-123°22'19.16"
HD Diff. (m)	6.9
Accuracy (m)	5

Inspection

Date of Inspection 2020-09-09 9:41:41 AM

Inspector Name Gino Fournier

Inspector Comments Serial/ID Plate

Recommended Next Inspection Year

Inspection Company FLNRORD

P.Eng Comments

Load Rated by: MFLNRORD, Greg Dohm, PEng., Jan. 7, 2021
Load Rating: BCL625 or 63 tonnes
Next Inspection: 2022
Comments:



P.Eng Seal

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Approach

Alignment Fair

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required N

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Poor Missing approach logs on left side

Posted Load Rating 63

Road Surface Fair

Abutment

Log/Timber Cribs N/A

Tie Backs N/A

Bin Wall N/A

Pier N/A

Concrete Good

Caps or Sills Poor Rotting

Piles or Posts N/A

Ballast Wall N/A

Wing Wall N/A

Bracing N/A

Hardware N/A

Fill Fair

Riprap Fair

Bearings N/A

Corrosion Protection N/A

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Deck

Running Surface	Fair	
Running Planks	Fair	4x10
Sub Deck	N/A	
Ties	Fair	Few are rotten. 7x10 on 500 c/c
Nails	Fair	
Deck to Girder Bolts	N/A	
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	Fair	Starting to get loose
Hand Rails/Walkouts	N/A	
Hardware	Fair	
Overall Deck Condition	Fair	
Gravel Depth (mm)	0	
Pier Deck	N/A	

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Steel/Concrete

Girders Fair Twin rail cars

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
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Hazards

Estimated Present Water Level Depth (m)	.5	High Water	☒	Debris	☒
Estimated Present Water Level Width (m)	5	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:Medium	Will need a full deck replacement in a few years likely
2	
3	
4	
5	
6	
7	

Item	Monitor Description	Frequency
1	Monitor sills for rot.	Routine Inspection
2		
3		



Approach from Left Bank when facing downstream



Approach from Right Bank when facing downstream



Upstream from Crossing



Downstream from Crossing



Deck



Sill right side



Right Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Upstream Profile



Right Bank Abutment when facing downstream



Downstream Profile