

CK-2052

CHILLIWACK LAKE 11.1km

2019 Inspection

CBR iPad Offline Ver 0.31



CBR Data

Latitude	Longitude		
49°1'32.09"	-121°23'23.7"		
Crossing Name	Depot Creek		
FSR #	5127	Branch #	1
Road Name	CHILLIWACK LAKE		
User km	11.1		
Previous Load Rating (tonnes)	41		
Structure Class	Permanent Bridge		
Portable	N		
Superstructure	Steel I-beam		
Deck Type	Timber - Untreated		
Abutment Left	Steel Pipe and Precast Pad		
Abutment Right	Steel Pipe and Precast Pad		
Spans	1		
Total Length (m)	33		
Deck Width (m)	4.1		

Updated Data

Latitude	Longitude		
49°1'32.29"	-121°23'23.78"		
HD Diff. (m)	6.2	Accuracy (m)	5
L45 or 41 tonnes			

Inspection

Date of Inspection 2019-07-08 11:16:32 AM

Inspector Name Tyson Miller

Recommended Next Inspection Year 2021

Inspection Company FLNRORD

Inspector Comments

Access onto the bridge is restricted by lock blocks.

P.Eng Comments

Replace the fill retainment logs; brush approaches; replace delineators, and post bridge ahead signs prior to industrial activity. The current load rating of L45 or 41 tonnes.



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Approach

Alignment Fair

VC both approaches

Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required Y

Delineator Missing
Left ☐ 0 ☐ 1 ☒ 2Delineator Missing
Right ☐ 0 ☐ 1 ☒ 2

Fender Condition Poor

None

Posted Load Rating

Not posted

Road Surface Fair

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete

Caps or Sills

Piles or Posts Fair

Ballast Wall Good

Creosote timbers

Wing Wall Poor

Logs retaining fill in road are rotten

Bracing Fair

Hardware

Fill Fair

Rotten fill retainment logs

Riprap Fair

Bearings Fair

Corrosion Protection Fair

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Deck

Running Surface

Running Planks Fair

Sub Deck N/A

Ties Fair

Nails Good

Deck to Girder Bolts Good

Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Fair

Hand Rails/Walkouts Fair

Hardware Fair

Overall Deck Condition Fair

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Fair Light corrosion

Diaphragms Fair 4 welded bays

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

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Hazards

Estimated Present Water Level Depth (m)	0.4	High Water	☐	Debris	☒
Estimated Present Water Level Width (m)	10	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	2.5	Ice	☐		

Comments 2 stream channels under bridge separated by aggraded material with 10-15 year old Alder

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	High	Replace fill retainment logs prior to industrial traffic
2	Medium	Brush approaches
3	Low	Replace delineators and post bridge ahead signs prior to activity

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)



Approach from Right Bank when facing downstream



Deck



Upstream from Crossing



Downstream from Crossing



Handrail



Approach from Left Bank when facing downstream



Loosing fill at both approaches



Right Bank Abutment when facing downstream



Debris accumulations immediately upstream of crossing



Left Bank Abutment when facing downstream



Superstructure



2 stream channels under bridge



Rotten fill retainment logs at all corners



Splice plate



Superstructure