

CK-2048

CHILLIWACK LAKE 1km

2020 Inspection

CBR iPad Offline Ver 0.31



CBR Data

Latitude	Longitude
49°5'33.29"	-121°26'32.5"
Crossing Name	Side Creek
FSR #	5127 Branch # 1
Road Name	CHILLIWACK LAKE
User km	1
Previous Load Rating (tonnes)	54
Structure Class	Major Culvert
Culvert Type	Round
Culvert Material	Corrugated Steel
Opening Height (mm)	2300
Opening Width (mm)	2300
Inlet Cover (mm)	900
Outlet Cover (mm)	900
Culvert Gradient %	
Culvert Length (m)	14.5

Updated Data

Latitude	Longitude
49°5'32.58"	-121°26'34.18"
HD Diff. (m)	40.6 Accuracy (m) 10
54 tonnes	
800	
800	
5	

Inspection

Date of Inspection 2020-04-07 8:52:04 AM

Inspector Name Tyson Miller

Recommended Next Inspection Year 2023

Inspection Company FLNRORD

Inspector Comments

P.Eng Comments

Remove vegetation from around the inlet and outlet, and brush approaches to improve sight lines. Remove the bedload at the inlet and monitor the stream material within the culvert. Grade the road. The current load rating of L60 or 54 tonnes to continue.



P.Eng Seal

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Approach

Alignment Good

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2 NA

Brushing Required Y

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition NA

Posted Load Rating 54000

Road Surface Poor Large potholes

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete

Caps or Sills

Piles or Posts

Ballast Wall

Wing Wall

Bracing

Hardware

Fill Good

Riprap Fair

Bearings

Corrosion Protection

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Culvert

Baffles

Bolted Connections **Good**Coating **Fair**

Coupled Connections

Embedment Materials

Fill **Good**Floor **Fair** minor corrosion and bedload starting to accumulate within

Footing

Head Walls

Inlet **Fair** Debris and aggradation occurringOutlet **Fair** 2m drop but stableOverall **Fair**Rip Rap **Good**Roof **Good**Sidewalls **Good**

Trash Rack

Weirs/Backwater
Structures

Wing Walls

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Hazards

Estimated Present Water Level Depth (m)	0.2	High Water	☐	Debris	☒
Estimated Present Water Level Width (m)	2.5	Aggradation	☒	Scour	☐
Estimated High Water Level Clearance (m)	1.5	Ice	☐		

Comments Remove vegetation and bedload at inlet, and remove vegetation at outlet

Repairs and Monitoring

Repair

Item	Priority	Repair Description
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1	Medium	Remove vegetation and bedload at inlet, remove vegetation at outlet and brush approaches
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2	Medium	Grade road
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3		
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Item	Monitor Description	Frequency
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1	Bedload at inlet and within culvert	Routine Inspection
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2		
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3		
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Sketch
(Select Signature)



Approach from Right Bank when facing downstream



Downstream from Crossing



Upstream from Crossing



Approach from Left Bank when facing downstream



Load Rating Sign



Inlet



Looking through culvert from inlet



Outlet



Outlet



Water tank downstream from crossing