

CK-2169
CK-2169

LOST CREEK 14.6km

2022 Inspection

CBR iPad Offline Ver 0.36



CBR Data

Latitude 49°22'51.7" Longitude -122°13'22.7"

Site Status Active

Insp. Status Inspect

Crossing Name Boulder Creek

FSR # 8466 Branch # 1

Road Name LOST CREEK

User km 14.6

Previous Load Rating (tonnes) 54

Structure Class Permanent Bridge

Portable N

Superstructure Concrete Slab Girders

Deck Type Concrete

Abutment Left Steel Pipe and Precast Pad

Abutment Right Steel Pipe and Precast Pad

Spans 1

Total Length (m) 23.9

Deck Width (m) 4.6

Updated Data

Latitude 49°22'51.51" Longitude -122°13'22.67"

HD Diff. (m) 6.0 Accuracy (m) 5

Inspection

Date of Inspection 2022-09-01 10:24:09 AM

Inspector Name Cameron VandenBrink, EIT

Recommended Next Inspection 2024

Inspection Company Chartwell Resource Group Ltd

Inspector Comments Serial/ID Plate

P.Eng Comments

Load Rated by: MoF, M.Lowe, RPF, PEng, February 15, 2023

Load Rating: 54 Tonnes GVW

Next Inspection: September 1, 2025

Comments: Complete medium priority concrete structural maintenance to prevent further damage to slabs and mitigate potential for reduced load rating.



PERMIT TO
PRACTICE: 1003022

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Approach

Alignment Fair

Crest of vc from town

Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required Y

Around structure

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Fair

Guidelogs near end of service life, still functional

Posted Load Rating

Not posted

Road Surface Poor

Requires ballast/surface work on both approaches

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete

Caps or Sills

Piles or Posts Good

Ballast Wall

Wing Wall

Bracing Good

Hardware

Fill Good

Riprap Fair

Monitor town side for scour

Bearings Good

Corrosion Protection Poor

Does not appear coated

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Deck

Running Surface Requires ballast/surface work on both approaches

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck Fair Sediment, potholes at ends have led to woods end needing repair to girder end.

Grout Pockets

Deck Joints Fair Few spots have failed. Very minimal overall

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Good

Hand Rails/Walkouts

Hardware Good

Overall Deck Condition Fair

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Fair

Slab girders, overhang centre of bearing 3.5m each end.

Diaphragms

Bracing

Under Trussing

Hardware

Welded/grouted shear connectors Good

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) .1 High Water ☐ Debris ☐
Estimated Present Water Level Width (m) .5 Aggradation ☐ Scour ☒
Estimated High Water Level Clearance 1.5 Ic ☐

Comments

Repairs and Monitoring

Repair Item	Repair Description
1 Approach. Approach surfacing grading. m. Priority:Medium	
2 Structure. Concrete structural maintenance. m ² . Priority:Medium	Woods slab girder ends
3 Approach. Area/sight line brushing. m ² . Priority:Low	
4 Approach. Bridge Ahead Signs. # of signs. Priority:Low	Add all signage, bridge ahead and load rating

5

6

7

Item	Monitor Description	Frequency
1 Town riprap		Routine Inspection

2

3



Approach from Left Bank when facing downstream



Approach from bridge deck of Left bank approach when facing downstream



Upstream from Crossing



Downstream from Crossing



Approach from bridge deck of Right bank approach when facing downstream



Approach from Right Bank when facing downstream



Deck



Deck



Deck



Upstream Profile



Right Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Downstream Profile