

CK-2061
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LIUMCHEN EAST 4.2km

2022 Inspection

CBR iPad Offline Ver 0.36



CBR Data

Latitude 49°4'16.7" Longitude -121°55'11.9"

Site Status Active

Insp. Status Inspect

Crossing Name Liumchen Creek

FSR # 5127 Branch # 4

Road Name LIUMCHEN EAST

User km 4.2

Previous Load Rating (tonnes) 63

Structure Class Permanent Bridge

Portable N

Superstructure Compo Girders

Deck Type Concrete Composite

Abutment Left Steel Pipe and Precast Pad

Abutment Right Steel Pipe and Precast Pad

Spans 1

Total Length (m) 26

Deck Width (m) 4.27

Updated Data

Latitude 49°4'17.34" Longitude -121°55'13.06"

HD Diff. (m) 30.6 Accuracy (m) 6

Inspection

Date of Inspection 2022-07-19 10:44:20 AM

Inspector Name Cameron VandenBrink, EIT

Recommended Next Inspection 2025

Inspection Company Chartwell Resource Group Ltd

Inspector Comments Serial/ID Plate

Monitor riprap stability

P.Eng Comments

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

Load Rating: 63 Tonnes GVW, BCL-625

Next Inspection: September 1, 2025

Comments: No issues. Recommend completing low priority repair items.

PERMIT TO
PRACTICE: 1003022

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Approach

Alignment Fair

Vc left approach

Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required Y

Delineator Missing
Left ☐ 0 ☒ 1 ☐ 2

Delineator Missing
Right ☐ 0 ☐ 1 ☒ 2

Fender Condition Good

Posted Load Rating

Not posted

Road Surface Fair

Requires ballast both ends

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete

Caps or Sills

Piles or Posts Good

Ballast Wall Good

Wing Wall

Bracing Good

Hardware

Fill

Riprap

Appears to have been mobilized and some loose rocks present. Monitor for continuing movement/scour.

Bearings Good

Corrosion Protection Good

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Deck

Running Surface Requires ballast both ends

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck Good

Grout Pockets Good Dug out 2 in good condition

Deck Joints Good

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Good

Hand Rails/Walkouts

Hardware Good

Overall Deck Condition Fair Deck requires cleaning, installing sediment guards would limit sediment into creek.

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders

Diaphragms

Bracing

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)	.8	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	15	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance	2	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
1 Approach. Bridge Ahead Signs. 2 # of signs. Priority:Low	Post bridge ahead signage
2 Structure. Clean Deck. # of delineators. Priority:Low	Prior to industrial activity
3 Structure. Delineator maintenance. 3 . Priority:Low	Install missing delineators
4 Approach. Area/sight line brushing. m². Priority:Low	Prior to industrial activity
5 Approach. Approach surfacing grading. m. Priority:Low	Prior to industrial activity

6

7

Item	Monitor Description	Frequency
1	Riprap stability	Routine Inspection
2		
3		



Upstream Profile



Left Bank Abutment when facing downstream



Approach from Right Bank when facing downstream



Upstream from Crossing



Downstream from Crossing



Approach from Left Bank when facing downstream



Right Bank Abutment when facing downstream



Upstream Profile



Approach from bridge deck of Left bank approach when facing downstream



Approach from bridge deck of Right bank approach when facing downstream



Superstructure