

CK-2053
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LIUMCHEN 0.2km

2022 Inspection

CBR iPad Offline Ver 0.36



CBR Data

Latitude 49°4'14.19"
Longitude -121°50'27.3"

Site Status Active

Insp. Status Inspect

Crossing Name Tamihi Creek

FSR # 5127 Branch # 2

Road Name LIUMCHEN

User km 0.2

Previous Load
Rating (tonnes) 63

Structure Class Permanent Bridge

Portable N

Superstructure Steel I-beam

Deck Type Concrete

Abutment Left Concrete Cast in Place

Abutment Right Concrete Cast in Place

Spans 1

Total Length (m) 24.5

Deck Width (m) 4.3

Updated Data

Latitude °0'0"
Longitude °0'0"

HD Diff. (m) 5462515.4 Accuracy (m)

Inspection

Date of Inspection 2022-07-19 1:25:56 PM

Inspector Name Cameron VandenBrink, EIT

Inspector Comments Serial/ID Plate

Recommended Next Inspection 2025

Inspection Company Chartwell Resource Group Ltd

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: Small number of low priority repair items. Recommend load rating signage be installed as a minimum as this is the first bridge on this road network.



PERMIT TO
PRACTICE: 1003022

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Approach

Alignment Fair

HC right approach

Bridge Ahead Signs
Missing

☐ 0

☒ 1

☐ 2

Left approach

Brushing Required Y

Minor around structure

Delineator Missing
Left

☒ 0

☐ 1

☐ 2

Delineator Missing
Right

☒ 0

☐ 1

☐ 2

Fender Condition Good

Posted Load Rating

Not posted

Road Surface Fair

Minor potholes forming

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete Good

Cast in place

Caps or Sills Unrated

Unaccessible on left side.

Piles or Posts

Ballast Wall Good

Treated Timbers. Joint on left bank has slight gap.

Wing Wall Good

Concrete on right approach

Bracing

Hardware

Fill

Riprap

Bearings Good

Corrosion Protection

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Deck

Running Surface Fair Minor potholes forming

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck Good

Grout Pockets Good Inspected 2

Deck Joints Good

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Good

Hand Rails/Walkouts

Hardware Good

Overall Deck Condition Good

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Fair

Scaling noted throughout. Does not to be at load limiting

Diaphragms Good

4 bays

Bracing Fair

Scaling

Under Trussing

Hardware Good

Bolted

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)	1.3	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	19	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance	1.8	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
1 Approach. Bridge Ahead Signs. 1 # of signs. Priority:Low	Left approach
2 Approach. Area/sight line brushing. m². Priority:Low	Around structure
3 Structure. Add Load Rating Signs. 2 # sites. Priority:Low	Install
4 Approach. Approach surfacing grading. m. Priority:Low	Minor potholes forming

5

6

7

Item	Monitor Description	Frequency
1 Delaminating steel		Routine Inspection

2

3



Approach from Left Bank when facing downstream



Upstream from Crossing



Downstream from Crossing



Approach from bridge deck of Left bank approach when facing downstream



Approach from bridge deck of Right bank approach when facing downstream



Approach from Right Bank when facing downstream



Upstream Profile



Left Bank Abutment when facing downstream



Upstream Profile



Superstructure



Superstructure



Deck joint between timber ballast walls



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Right Bank Abutment when facing downstream