

CK-2055
CK-2055A

LIUMCHEN 2.5km

2022 Inspection

CBR iPad Offline Ver 0.36



CBR Data

Latitude 49°4'32.3" Longitude -121°52'8.2"

Site Status Active

Insp. Status Inspect

Crossing Name Deer Creek

FSR # 5127 Branch # 2

Road Name LIUMCHEN

User km 2.5

Previous Load Rating (tonnes) 63

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) 12.2

Deck Width (m) 6.48

Updated Data

Latitude °0'0" Longitude °0'0"

HD Diff. (m) 5463075.1 Accuracy (m)

Inspection

Date of Inspection 2022-07-19 12:43:09 PM

Inspector Name Cameron VandenBrink, EIT

Recommended Next Inspection 2025

Inspection Company Chartwell Resource Group Ltd

Inspector Comments Serial/ID Plate

Monitor riprap beneath structure that was unable to be reached when new armouring was placed.

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 **Good**

Junction past structure on left approach to access little tamahi fsr

Bridge Ahead Signs

Missing

☐ 0

☒ 1

☐ 2

Left approach missing

Brushing Required **N**

Delineator Missing

Left

☒ 0

☐ 1

☐ 2

Delineator Missing

Right

☒ 0

☐ 1

☐ 2

Fender Condition **Good**

Posted Load Rating **63000**

Road Surface **Fair**

Minor pot hole on right bank approach. 0.5m before girder end

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete

Caps or Sills **Good**

Capbeam with integrated wing walls

Piles or Posts **Good**

Ballast Wall

Wing Wall **Good**

Integrated with cap beam

Bracing **Unrated**

Not visible

Hardware

Fill

Riprap

Oversteepened. Appears stable. Up and down stream appear to have have additional rock and armouring installed.

Bearings **Good**

Corrosion Protection **Fair**

Starting to flake

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Deck

Running Surface Fair Minor pot hole on right bank approach. 0.5m before girder end

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck Good Welded shear keys In good condition

Grout Pockets

Deck Joints Good

Steel Deck Plate N/A

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 Good

Slab girders

Diaphragms

Bracing

Under Trussing

Hardware

Welded/grouted
shear connectors Good

Welded shear keys

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)	.3	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	7	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance	1	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
1 Approach. Bridge Ahead Signs. 2 # of signs. Priority:Low	Install bridge ahead signage
2 Structure. Add Load Rating Signs. 2 # sites. Priority:Low	Install proper signage not laminated paper signs

3

4

5

6

7

Item	Monitor Description	Frequency
1	Monitor riprap beneath structure	Routine Inspection

2

3



Load Rating Sign



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



Downstream Profile



Left Bank Abutment when facing downstream



Right Bank Abutment when facing downstream



Upstream Profile



Old weir structure upstream