

CK-2054  
CK-2054A

LIUMCHEN 0.9km

2022 Inspection

CBR iPad Offline Ver 0.36



### CBR Data

Latitude 49°4'23.59" Longitude -121°50'52.1"

Site Status Active

Insp. Status Inspect

Crossing Name Little Tamihi Creek

FSR # 5127 Branch # 2

Road Name LIUMCHEN

User km 0.9

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) 11.9

Deck Width (m) 4.3

### Updated Data

Latitude °0'0" Longitude °0'0"

HD Diff. (m) 5462806.1 Accuracy (m)

### Inspection

Date of Inspection 2022-07-19 1:06:30 PM

Inspector Name Cameron VandenBrink, EIT

Recommended Next Inspection 2025

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: 63 Tonnes GVW, BCL-625  
Next Inspection: September 1, 2025  
Comments: Small number of low priority repair items. Load rating signage not required if installed at CK-2053.



PERMIT TO  
PRACTICE: 1003022

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## Approach

Alignment **Good**

Bridge Ahead Signs  
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required **Y** **Minor**

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**

## Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete

Caps or Sills **Good** **Cap beam with integrated wing walls**

Piles or Posts **Unrated** **Not visible**

Ballast Wall

Wing Wall **Good** **Integrated with cap beam**

Bracing **Unrated** **Not visible**

Hardware

Fill

Riprap

Bearings **Good**

Corrosion Protection **Unrated** **Not visible**

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## Deck

Running Surface      Fair      Minor potholes

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck      Good

Grout Pockets

Deck Joints      Good      Welded shear keys

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 Good

Concrete 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) | .2  | High Water  | <input type="checkbox"/> | Debris | <input type="checkbox"/> |
| Estimated Present Water Level Width (m) | 2.5 | Aggradation | <input type="checkbox"/> | Scour  | <input type="checkbox"/> |
| Estimated High Water Level Clearance    | 1.2 | Ice         | <input type="checkbox"/> |        |                          |

Comments

## Repairs and Monitoring

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

5

6

7

| Item | Monitor Description | Frequency |
|------|---------------------|-----------|
| 1    |                     |           |
| 2    |                     |           |
| 3    |                     |           |



Approach from Right Bank when facing downstream



Upstream from Crossing



Downstream from Crossing



Approach from bridge deck of Right bank approach when facing downstream



Approach from bridge deck of Left bank approach when facing downstream



Approach from Left Bank when facing downstream



Upstream Profile



Right Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Downstream Profile