

CK-2053

LIUMCHEN 0.2km

2019 Inspection

CBR iPad Offline Ver 0.28



CBR Data

Latitude 49°4'15.3" Longitude -121°50'24.6"

Crossing Name Tamihi Creek

FSR # 5127 Branch # 2

Road Name LIUMCHEN

User km 0.2

Current Load Rating (tonnes) 64

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 49°4'14.4" Longitude -121°50'27.6"

HD Diff. (m) 66.8 Accuracy (m) 5

BCL-625 or 63 tonnes

Inspection

Date of Inspection 2019-03-20 1:23:07 PM

Inspector Name Tyson Miller

Recommended Next Inspection Year 2022

Inspection Company MFLNRO

Inspector Comments

P.Eng Comments

Grade approaches and continue to monitor the steel girder condition. The current load rating of BCL-625 or 63 tonnes to continue.



P.Eng Seal

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Approach

Alignment Fair

HC right approach

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required N

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Good

Posted Load Rating

Not posted

Road Surface Fair

Potholes at approaches

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Concrete Good

CIP

Caps or Sills

Piles or Posts

Ballast Wall Good

Treated timbers

Wing Wall Good

Concrete on right approach

Bracing

Hardware

Fill Good

Riprap Good

Bearings Good

Corrosion Protection

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Deck

Running Surface Fair

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck Good

Grout Pockets Good

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)

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Steel/Concrete

Girders Fair corrosion

Diaphragms Good 4x, galvanized

Bracing Good Galvanized

Under Trussing

Hardware Good

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)	1.0	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	18.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	2.5	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Low	Grade approaches

2

3

Item	Monitor Description	Frequency
1	delaminating steel	Routine Inspection

2

3

Sketch
(Select Signature)



Approach from Right Bank when facing downstream



Deck



Deck



Upstream from Crossing

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Downstream from Crossing



Right Bank Abutment when facing downstream



Approach from Left Bank when facing downstream



Superstructure



Steel delamination noted on girders



Steel delamination



Location of previous web measurements - no further delamination



Left Bank Abutment when facing downstream