CK-2054	LIUMCHEN 0.9km	2019 Inspection

CBR iPad Offline Ver 0.28

CBR Data

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

Crossing Name	Little Tamihi Creek
FSR #	5127
Branch #	2
Road Name	LIUMCHEN
User km	0.9
Current 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	Longitude
49°4'23.78"	-121°50'52.29"

HD Diff. (m)	6.8	Accuracy (m)	10

BCL-625 or 63 tonnes

Inspection

Date of Inspection	2019-03-20 1:40:46 PM	Recommended Next Inspection Year	2022
Inspector Name	Tyson Miller	Inspection Company	MFLNRO

Inspector Comments

P.Eng Comments

Grade approaches. The current load rating of BCL-625 or 63 tonnes to continue.

P.Eng Seal

Approach

Alignment	Good	
Bridge Ahead Signs Missing	• 0 ○ 1 ○ 2	
Brushing Required	N	
Delineator Missing Left	• 0 ○ 1 ○ 2	
Delineator Missing Right	• 0 ○ 1 ○ 2	
Fender Condition	Good	
Posted Load Rating		Not posted
Road Surface	Fair	Potholes

Abutment

Log/Timber Cribs		
Tie Backs		
Bin Wall		
Concrete		
Caps or Sills	Good	
Piles or Posts	Unrated	Buried
Ballast Wall	Good	
Wing Wall		
Bracing	Unrated	Buried
Hardware		
Fill	Good	
Riprap	Good	
Bearings	Good	
Corrosion Protection	Unrated	Buried

Deck

Running Surface	Good	Potholes
Running Planks		
Sub Deck		
Ties		
Nails		
Deck to Girder Bolts		
Concrete Deck	Good	
Grout Pockets		
Deck Joints		
Steel Deck Plate		
Gravel Surface		
Curb Rail/Blocks/Posts	Good	
Hand Rails/Walkouts		
Hardware		
Overall Deck Condition	Good	
Gravel Depth (mm)		

Steel/Concrete

Girders	Good	4 slab girders
Diaphragms		
Bracing		
Under Trussing		
Hardware		
Welded/grouted shear connectors	Good	Welded and grouted

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

Hazards

Estimated Present Water Level Depth (m)	0.3	High Water ☐	Debris ☐
Estimated Present Water Level Width (m)	3.0	Aggradation ☐	Scour ☐
Estimated High Water Level Clearance (m)	1.5	Ice ☐	

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Medium	Grade approaches
2		
3		

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)

CK-2054 LIUMCHEN 0.9km 2019 Inspection

Approach from Right Bank when facing downstream

Downstream from Crossing

Upstream from Crossing

Approach from Left Bank when facing downstream

Damage to underside of slabs

Left Bank Abutment when facing downstream

Right Bank Abutment when facing downstream