CK-2066B	TAMIHI 10.3km	2019 Inspection

CBR iPad Offline Ver 0.31

CBR Data

Latitude	Longitude
49°0'32.6"	-121°46'39.2"

Crossing Name	Stapley Creek
FSR #	5127
Branch #	6
Road Name	TAMIHI
User km	10.3
Previous Load Rating (tonnes)	68
Structure Class	Temporary Bridge
Portable	N
Superstructure	Steel Box Beam
Deck Type	Steel
Abutment Left	Sill -Temporary Materials
Abutment Right	Sill -Temporary Materials
Spans	1
Total Length (m)	18.3
Deck Width (m)	4.9

Updated Data

Latitude	Longitude
49°0'35.94"	-121°46'48.9"

HD Diff. (m)	222.1	Accuracy (m)	10

	L75 or 68 tonnes
	Temporary Bridge
	N
	Steel I-beam
	Timber – Treated
	Crib, Log or Untreated Timber
	Crib, Log or Untreated Timber
	1
	12.8
	4.3

Inspection

Date of Inspection	2019-07-08 2:36:30 PM	Recommended Next Inspection Year	2021
Inspector Name	Tyson Miller	Inspection Company	FLNRORD

Inspector Comments

Some woody debris noted upstream of crossing
Stream channel consists of gravels, cobbles and boulders up to 1.5m in diameter, bigger than what's visible within the abutment scour protection

P.Eng Comments

The steel girders are recycled from a pre-existing site and they've been modified for L75 live loads. The substructure (log crib) was originally installed in 2016 with the installation of the all steel portable superstructure on single log sills. That Record Drawing indicates that the crib was installed as per the General Arrangement Plan. Based on that, in combination with the structural design of this structure indicating L75 loading and this inspection noting Good and Fair structural components, the load rating of this structure is L75 or 68 tonnes. Please send in record drawings and crossing assurance statements prior to industrial use for verification.

2020-02-20

P.Eng Seal

Approach

Alignment	Fair	Steep VC left approach
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	

Abutment

Log/Timber Cribs	Good	Closed face
Tie Backs	Good	4x
Bin Wall		
Pier		
Concrete		
Caps or Sills		
Piles or Posts		
Ballast Wall	Good	Treated timbers
Wing Wall		
Bracing		
Hardware	Good	
Fill	Good	
Riprap	Good	
Bearings	Good	
Corrosion Protection		

Deck

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

Steel/Concrete

Girders	Fair	Light corrosion - recycled girders that appear to have been shortened for this site
Diaphragms	Fair	3 welded bays with light corrosion
Bracing	Fair	Light corrosion
Under Trussing		
Hardware		
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

Hazards

Estimated Present Water Level Depth (m)	0.3	High Water	☐	Debris	X
Estimated Present Water Level Width (m)	4.0	Aggradation	☐	Scour	X
Estimated High Water Level Clearance (m)	1.0	Ice	☐		

Comments

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Repairs and Monitoring

Repair Item	Priority	Repair Description
1		
2		
3		

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)

Approach from Left Bank when facing downstream

Upstream from Crossing

Deck

Downstream from Crossing

Approach from Right Bank when facing downstream

Left Bank Abutment when facing downstream

Upstream Profile

Superstructure

Right Bank Abutment when facing downstream