CK-2472 CK-2472	MAISAL 6km	2020 Inspection	BRITISH COLUMBIA

CBR iPad Offline Ver 0.33

CBR Data

Latitude	Longitude
49°25'11.6"	-121°57'57.3"

Crossing Name	Upper Maisal
FSR #	8241
Branch #	16
Road Name	MAISAL
User km	6
Previous Load Rating (tonnes)	136
Structure Class	Temporary Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Timber - Untreated
Abutment Left	Steel Pipe and Precast Pad
Abutment Right	Steel Pipe and Precast Pad
Spans	1
Total Length (m)	20.7
Deck Width (m)	4.9

Updated Data

Latitude	Longitude
49°25'11.6"	-121°57'57.77"

HD Diff. (m)	9.4	Accuracy (m)	5

L100 or 91 tonnes

Inspection

Date of Inspection	2020-08-25 9:22:45 AM	Recommended Next Inspection Year	2021
Inspector Name	Tyson Miller	Inspection Company	FLNRORD

Inspector Comments

The timber deck is now 8 years old and nearing the end of its industrial life. Fruiting bodies are showing up at various locations on the underside of the subdeck. Only 1 fruiting body present on a single cross tie.

P.Eng Comments

Brush approaches and replace missing delineators. Limit the loading to L100 or 91 tonnes - post load rating signs. Replace the cross ties, subdeck, wear planks and guardrail system for design vehicle loading.

P.Eng Seal

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Approach

Alignment	Fair		HC right approach
Bridge Ahead Signs Missing	(•) 0	( ) 1	( ) 2
Brushing Required	Y		
Delineator Missing Left	(X) 0	( ) 1	( ) 2 vegetation obstructs view
Delineator Missing Right	( ) 0	( ) 1	(X) 2 vegetation obstructs view
Fender Condition	Fair	logs	
Posted Load Rating			not posted
Road Surface	Fair		

Abutment

Log/Timber Cribs		
Tie Backs		
Bin Wall		
Pier		
Concrete		
Caps or Sills		
Piles or Posts	Fair	
Ballast Wall	Fair	Old logs
Wing Wall		
Bracing	Fair	
Hardware		
Fill	Fair	
Riprap	Fair	Sparse, round and not well graded or keyed together
Bearings	Good	
Corrosion Protection	Fair	

Deck

Running Surface		
Running Planks	Fair	Wearing at ends and in random locations throughout
Sub Deck	Fair	Fair to poor - small fruiting bodies at various locations on underside
Ties	Fair	A single fruiting body present on 1 tie
Nails	Fair	
Deck to Girder Bolts	Fair	
Concrete Deck		
Grout Pockets		
Deck Joints		
Steel Deck Plate		
Gravel Surface		
Curb Rail/Blocks/Posts	Fair	
Hand Rails/Walkouts		
Hardware	Fair	
Overall Deck Condition	Fair	
Gravel Depth (mm)		
Pier Deck		

Steel/Concrete

Girders	Good	
Diaphragms	Good	4 bolted bays
Bracing	Good	
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

Hazards

Estimated Present Water Level Depth (m)	0.3	High Water ☐	Debris ☐
Estimated Present Water Level Width (m)	9.0	Aggradation ☐	Scour ☐
Estimated High Water Level Clearance (m)	3.0	Ice ☐	

Comments

Repairs and Monitoring

	Repair Item	Repair Description
1	Structure. Delineator maintenance. . Priority:Low	Replace right hand delineators
2	Approach. Area/sight line brushing. m². Priority:Medium	Brush approaches
3	High	Post load rating sign
4		
5		
6		
7		

Item	Monitor Description	Frequency
1		
2		
3		

Approach from Left Bank when facing downstream

Approach from Left Bank when facing downstream

Deck

Upstream from Crossing

Left Bank Abutment when facing downstream

Downstream from Crossing

Superstructure

Approach from Right Bank when facing downstream

Right Bank Abutment when facing downstream

Deck from underneath

Small fruiting body present on single tie and at various locations of subdeck - typical size shown