CK-2472
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MAISAL 11.5km

2022 Inspection

CBR iPad Offline Ver 0.36

BRITISH COLUMBIA

CBR Data

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

Site Status	Active
Insp. Status	Inspect
Crossing Name	Upper Maisal
FSR #	8241
Branch #	16
Road Name	MAISAL
User km	11.5
Previous Load Rating (tonnes)	64
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°25'12.14"	-121°57'57.35"

HD Diff. (m)	16.8	Accuracy (m)	6

Inspection

Date of Inspection: 2022-08-31 2:41:54 PM

Inspector Name: Cameron VandenBrink, EIT

Inspector Comments: Serial/ID Plate

Recommended Next Inspection: 2024

Inspection Company: Chartwell Resource Group Ltd

P.Eng Comments

Load Rated by: MoF, M.Lowe, RPF, PEng, February 16, 2023
Load Rating: 64 Tonnes GVW
Next Inspection: September 1, 2023
Comments: Load rating to continue for 1 year. Return to reassess timber deck in 2023.

PERMIT TO PRACTICE: 1003022

Approach

Alignment	Fair	HC and trough of vc
Bridge Ahead Signs Missing	• 0 ○ 1 ○ 2	
Brushing Required	Y	
Delineator Missing Left	• 0 ○ 1 ○ 2	
Delineator Missing Right	• 0 ○ 1 ○ 2	
Fender Condition	Fair	Guidelogs, ds woods to be rolled back to shoulder
Posted Load Rating		Not posted
Road Surface	Fair	4x4 access to site due to x ditches

Abutment

Log/Timber Cribs		
Tie Backs		
Bin Wall		
Pier		
Concrete		
Caps or Sills		
Piles or Posts	Good	
Ballast Wall	Poor	Rotting logs, starting to lose fill between girders on town end. Currently minor amounts
Wing Wall		
Bracing	Fair	
Hardware	Fair	
Fill		
Riprap	Fair	Town side scouring.
Bearings	Good	
Corrosion Protection	Poor	Does not appear to be coated

Deck

Running Surface	Fair	4x4 access to site due to x ditches
Running Planks	Fair	Few boards needs to be renailed
Sub Deck	Fair	
Ties	Fair	
Nails	Fair	Few missing into running planks
Deck to Girder Bolts	Poor	No clips or bolts to top flange observed. Panelized deck appears to rely on gravity load only for restriction onto girders
Concrete Deck		
Grout Pockets		
Deck Joints		
Steel Deck Plate		
Gravel Surface		
Curb Rail/Blocks/Posts		
Hand Rails/Walkouts	Good	
Hardware	Good	
Overall Deck Condition	Fair	
Gravel Depth (mm)		
Pier Deck		

Steel/Concrete

Girders	Good	
Diaphragms	Good	3 bay
Bracing	Fair	Town end has one bent brace, likely installed bent
Under Trussing		
Hardware	Good	Bolted bracing
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)	.2	High Water ☐	Debris ☐
Estimated Present Water Level Width (m)	7	Aggradation ☐	Scour ☐
Estimated High Water Level Clearance	2.2	Ic ☐	

Comments

Repairs and Monitoring

	Repair Item	Repair Description
1	Approach. Area/sight line brushing. m². Priority:Low	
2	Approach. Approach fenders (re-Install). # of units. Priority:Low	Woods downstream,
3	Structure. Timber deck maintenance. # of signs. Priority:Medium	Fasten deck panels to girders
4		
5		
6		
7		

	Item	Monitor Description	Frequency
1	Town riprap		Routine Inspection
2			
3			

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Approach from Left Bank when facing downstream

Approach from bridge deck of Left bank approach when facing downstream

Upstream from Crossing

Downstream from Crossing

Approach from bridge deck of Right bank approach when facing downstream

Approach from Right Bank when facing downstream

Deck

Upstream Profile

Right Bank Abutment when facing downstream

Bearing

Left Bank Abutment when facing downstream

Left Bank Abutment when facing downstream

Downstream Profile