CK-2020	CHEHALIS 6km	2019 Inspection

CBR iPad Offline Ver 0.28

CBR Data

Latitude	Longitude
49°17'43.19"	-121°58'.06"

Crossing Name	Pretty Creek		
FSR #	8241	Branch #	1
Road Name	CHEHALIS		
User km	6		
Current Load Rating (tonnes)	150		
Structure Class	Temporary Bridge		
Portable	N		
Superstructure	Steel I-beam		
Deck Type	Concrete Composite		
Abutment Left	Crib, Log or Untreated Timber		
Abutment Right	Crib, Log or Untreated Timber		
Spans	1		
Total Length (m)	18.9		
Deck Width (m)	4.9		

Updated Data

Latitude	Longitude
49°17'42.85"	-121°57'59.5"

HD Diff. (m)	15.5	Accuracy (m)	5

L165 or 150 tonnes

Sill -Temporary Materials

Inspection

Date of Inspection	2019-03-28 9:10:35 AM	Recommended Next Inspection Year	2020
Inspector Name	Tyson Miller	Inspection Company	MFLNRO

Inspector Comments

Consideration should be given to replacing the entire structure given the condition of the abutments

P.Eng Comments

The abutments have been rated as fair; however the log sill and timber shims are starting to deteriorate and the log ballast wall is continuously rotting. The left bank log sill has a 30mm wide horizontal crack along the full visible length and the timber shims are starting to crush and needs to be monitored when being used for industrial purposes. The guardrail, risers and blocks are in poor condition and require replacement. The current load rating of L165 or 150 tonnes to continue, however monitor the condition of the abutments and if they deteriorate any further contact the undersigned for another inspection. Given the condition of the entire structure plan for a complete replacement soon.

P.Eng Seal

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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	Fair	Log fenders, missing upstream left
Posted Load Rating	149700	
Road Surface	Fair	Potholes at approaches

Abutment

Log/Timber Cribs	Fair	2x, right bank only with up to 40mm sap rot
Tie Backs	Fair	2x with up to 40mm sap rot
Bin Wall		
Concrete		
Caps or Sills	Fair	Left bank, 30mm wide horizontal crack full visible length with crushing timber shims - monitor
Piles or Posts		
Ballast Wall	Fair	Rotten logs both abutments but still functional
Wing Wall		
Bracing		
Hardware		
Fill	Fair	Indications that fill is eroding through to stream side
Riprap	Poor	None in front of abutments
Bearings	Fair	Left bank timber shims crushing and girders settling - monitor
Corrosion Protection		

Deck

Running Surface	Fair	Potholes at approaches
Running Planks		
Sub Deck		
Ties		
Nails		
Deck to Girder Bolts		
Concrete Deck	Fair	
Grout Pockets	Fair	
Deck Joints	Fair	
Steel Deck Plate		
Gravel Surface		
Curb Rail/Blocks/Posts	Poor	Rotten and loose
Hand Rails/Walkouts		
Hardware	Poor	Loose rail
Overall Deck Condition	Poor	Due to rail condition
Gravel Depth (mm)		

Steel/Concrete

Girders	Fair	Painted box beams with minor corrosion
Diaphragms	Fair	Painted and only at bearing locations
Bracing		
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)	0.4	High Water	X	Debris	
Estimated Present Water Level Width (m)	8.0	Aggradation		Scour	
Estimated High Water Level Clearance (m)	0	Ice			

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Medium	Replace guardrail, risers and blocks
2	Medium	Grade approaches
3		

Item	Monitor Description	Frequency
1	Abutment condition	While being used
2	Spalling concrete underside of panels 1 and 2 at right bank	Routine Inspection
3		

Sketch
(Select Signature)

CK-2020 CHEHALIS 6km 2019 Inspection

Approach from Left Bank when facing downstream

Deck

Load Rating Sign

Upstream from Crossing

CK-2020 CHEHALIS 6km 2019 Inspection

Downstream from Crossing

Approach from Right Bank when facing downstream

Guardrail condition

Upstream Profile

Right Bank Abutment when facing downstream

Indication of water leaking through deck joints and grout pockets

Superstructure

Horizontal crack on left bank log sill; full visible length 30mm gap

Timber shims on left abutment rotting and indications of crush, downstream shim shown here

Left Bank Abutment when facing downstream

Ballast wall condition, left bank

Damage noted to panels 1 and 2 on right approach