CK-2022	CHEHALIS 15.2km	2019 Inspection

CBR iPad Offline Ver 0.28

BRITISH COLUMBIA

CBR Data

Latitude	Longitude
49°20'49.4"	-122°1'28.5"

Crossing Name	Statlu Creek
FSR #	8241
Branch #	1
Road Name	CHEHALIS
User km	15.2
Current Load Rating (tonnes)	64
Structure Class	Temporary Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Timber - Untreated
Abutment Left	Concrete Precast
Abutment Right	Concrete Precast
Spans	1
Total Length (m)	37.6
Deck Width (m)	4.8

Updated Data

Latitude	Longitude
49°20'49.5"	-122°1'28.7"

HD Diff. (m)	5.0	Accuracy (m)	10

L100 or 91 tonnes

CIP and Log Sill

Inspection

Date of Inspection 2019-03-28 9:58:16 AM

Recommended Next Inspection Year 2021

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

P.Eng Comments

Replace the left approach log fenders with new ones, minimum 600mm diameter x 6m length. Monitor the condition of both abutments. L100 or 91 tonnes load rating.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
T. W. MILLER
35995

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	Logs, small diameter at left approach
Posted Load Rating		Not posted
Road Surface	Fair	Potholes

Abutment

Log/Timber Cribs		
Tie Backs		
Bin Wall		
Concrete	Fair	Old CIP left bank, lock blocks right bank with minor damage noted to 3 bottom row of blocks
Caps or Sills	Fair	Concrete cap right bank is good, log left bank is old and in fair condition
Piles or Posts		
Ballast Wall	Fair	Concrete right bank in good condition, logs left bank
Wing Wall	Fair	Logs left bank and lock blocks downstream right bank
Bracing		
Hardware	Good	Geogrid between lock block rows
Fill	Fair	
Riprap	Fair	Upstream left bank needs to be monitored as it is not well graded and has holes, also has old logs and large round rock for protection
Bearings	Fair	Keepers have separated from the bearing plates, but do not appear to be any different then previous inspections
Corrosion Protection		

Deck

Running Surface		
Running Planks	Good	
Sub Deck	Good	
Ties	Good	
Nails	Good	
Deck to Girder Bolts	Good	Only a few are visible
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)		

Steel/Concrete

Girders	Fair	Painted girders with minor corrosion
Diaphragms	Fair	6 welded bays
Bracing	Fair	
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)	2.0	High Water ☐	Debris ☐
Estimated Present Water Level Width (m)	25.0	Aggradation ☐	Scour ☐
Estimated High Water Level Clearance (m)	2.5	Ice ☐	

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Medium	Replace left approach fender logs with new ones, minimum 600mm diameter x 6m length
2		
3		

Item	Monitor Description	Frequency
1	Left bank abutment condition	Routine Inspection
2	Lock block condition at right bank	Routine Inspection
3		

Sketch
(Select Signature)

CK-2022 CHEHALIS 15.2km 2019 Inspection

Approach from Left Bank when facing downstream

Looking upstream from deck

Deck

Looking downstream from deck

Approach from Right Bank when facing downstream

Lock block damage at right abutment

Keeper at US right bank

New end diaphragm at right abutment

Left Bank Abutment when facing downstream

Lock block wingwall at DS right abutment

US splice plates

Right Bank Abutment when facing downstream

CK-2022 CHEHALIS 15.2km 2019 Inspection

New end diaphragm at left abutment

Wingwall upstream left bank

Superstructure

Upstream right bank

Downstream left wingwall