CK-2031
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STATLU 1.7km

2020 Inspection

CBR iPad Offline Ver 0.33

CBR Data

Latitude	Longitude
49°20'47.29"	-122°2'51.9"

Crossing Name	Statlu Creek
FSR #	8241
Branch #	2
Road Name	STATLU
User km	1.7
Previous Load Rating (tonnes)	136
Structure Class	Permanent Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Timber - Untreated
Abutment Left	Concrete Cast in Place
Abutment Right	Concrete Cast in Place
Spans	1
Total Length (m)	20.8
Deck Width (m)	5

Updated Data

Latitude	Longitude
49°20'46.6"	-122°2'52.5"

HD Diff. (m)	24.6	Accuracy (m)	5

L100 or 91 tonnes

Inspection

Date of Inspection	2020-08-25 11:20:12 AM	Recommended Next Inspection Year	2021
Inspector Name	Tyson Miller	Inspection Company	FLNRORD

Inspector Comments

P.Eng Comments

The CIP abutments are noted to be constructed in 1977 and still appear to be in fair condition. The scour under the right bank CIP appears similar in extent to what it has been over the last number of years; however this needs to be constantly monitored. The log crib/wingwalls, constructed to retain road approach fills, were also constructed in 1977 (43 years old) and are in poor condition. The stability of these require constant monitoring especially when the structure is in use. If this structure is being used for industrial activity then I recommend periodic inspections be completed to determine the stability of the them prior to use. Due to the condition of the log cribs/wingwalls retaining road approach fills, I recommend reducing the load rating to L100 or 91 tonnes and planning for a replacement soon. Reconnect and realign the concrete no post barriers and post load rating signs.

2020-12-15

P.Eng Seal

Approach

Alignment	Fair	HC 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	Fair	Unconnected no post barriers
Posted Load Rating	136090	
Road Surface	Good	

Abutment

Log/Timber Cribs		
Tie Backs		
Bin Wall		
Pier		
Concrete	Fair	CIP both abutments, right bank scoured under face up to 850mm depth
Caps or Sills	Fair	Treated timbers
Piles or Posts		
Ballast Wall	Fair	Old logs
Wing Wall	Poor	Open face log crib with significant deterioration
Bracing		
Hardware		
Fill	Fair	
Riprap	N/A	Bedrock with CIP
Bearings	Fair	
Corrosion Protection		

Deck

Running Surface		
Running Planks	Fair	
Sub Deck	Fair	Treated
Ties	Fair	Treated, however uneven spacing near right bank
Nails	Fair	
Deck to Girder Bolts	Unrated	Not noted at time of inspection
Concrete Deck		
Grout Pockets		
Deck Joints		
Steel Deck Plate		
Gravel Surface		
Curb Rail/Blocks/Posts	Good	Treated
Hand Rails/Walkouts		
Hardware	Fair	
Overall Deck Condition	Fair	
Gravel Depth (mm)		
Pier Deck		

Steel/Concrete

Girders	Fair	Painted girders with corrosion
Diaphragms	Fair	Left bank diaphragm corrosion moderate to heavy
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)	12.0	Aggradation ☐	Scour ☐
Estimated High Water Level Clearance (m)	2.5	Ice ☐	

Comments

Repairs and Monitoring

	Repair Item	Repair Description
1	Approach. Approach fenders (re-Install). # of units. Priority:Low	Reconnect and realign all no post barriers
2		
3		
4		
5		
6		
7		

Item	Monitor Description	Frequency
1	Scour under right bank CIP	Routine Inspection
2	stability of log crib/wingwalls retaining road approach fills	Annually
3		

Approach from Right Bank when facing downstream

Load Rating Sign

Downstream from Crossing

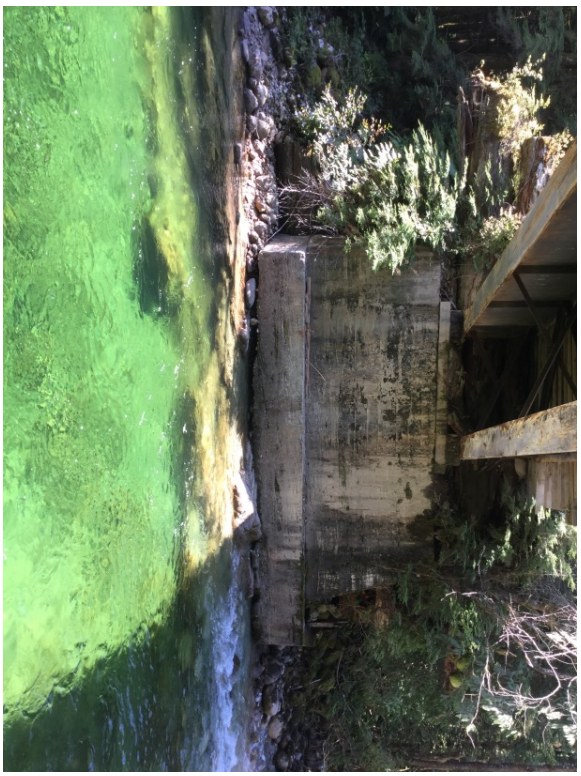
Deck

Approach from Left Bank when facing downstream

Upstream from Crossing

Upstream left approach barriers

Superstructure



Right Bank Abutment when facing downstream

Left bank diaphragm condition

Scour under right bank CIP extents up to 850mm from face

Debris, evidence of stream flow height

Left Bank Abutment when facing downstream

Upstream right bank wingwall condition

Upstream Profile