CK-2031	STATLU 1.7km	2019 Inspection

CBR iPad Offline Ver 0.28

BRITISH COLUMBIA

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
Current 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°2'53.12"

HD Diff. (m)	32.7	Accuracy (m)	5

L150 or 136 tonnes

Inspection

Date of Inspection 2019-03-28 10:28:11 AM

Inspector Name Tyson Miller

Recommended Next Inspection Year 2020

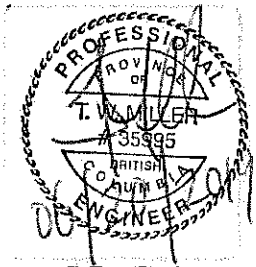
Inspection Company MFLNRO

Inspector Comments

Wingwall condition is in relatively poor condition

P.Eng Comments

Repair failing approach fills and reset the concrete bridge approach barriers; replace left approach load rating sign; grade and brush approaches. Due to age and condition of all wingwalls, monitor their stability and plan for their replacement soon. The current load rating of L150 or 136 tonnes to continue.



P.Eng Seal

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Approach

Alignment	Fair	HC left approach
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	Concrete no posts off road at upstream left approach and misaligned others
Posted Load Rating	136090	
Road Surface	Fair	Potholes

Abutment

Log/Timber Cribs		
Tie Backs		
Bin Wall		
Concrete	Fair	CIP both ends
Caps or Sills	Fair	Timbers
Piles or Posts		
Ballast Wall	Fair	Old logs
Wing Wall	Poor	Upstream right bank poor, others are fair to poor
Bracing		
Hardware		
Fill	Fair	Granular fill visible within open face wingwalls
Riprap	Poor	None
Bearings	Fair	
Corrosion Protection		

Deck

Running Surface		
Running Planks	Fair	Wearing at ends
Sub Deck	Fair	
Ties	Fair	Treated timbers but inconsistent alignment at right bank, up to 600mm on centers for 2m length
Nails	Fair	
Deck to Girder Bolts	Poor	None visible
Concrete Deck		
Grout Pockets		
Deck Joints		
Steel Deck Plate		
Gravel Surface		
Curb Rail/Blocks/Posts	Good	
Hand Rails/Walkouts		
Hardware	Fair	
Overall Deck Condition	Fair	
Gravel Depth (mm)		

Steel/Concrete

Girders	Fair	Painted
Diaphragms	Fair	
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)	3.0	High Water ☐	Debris ☐
Estimated Present Water Level Width (m)	15.0	Aggradation ☐	Scour ☐
Estimated High Water Level Clearance (m)	3.0	Ice ☐	

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	Repair approach fills and realign all concrete no post barriers
2	Low	Grade and brush approaches
3	Low	Reset left approach load rating sign

Item	Monitor Description	Frequency
1	Monitor wingwall condition	Routine Inspection
2		
3		

Sketch
(Select Signature)

CK-2031 STATLU 1.7km 2019 Inspection

Approach from Right Bank when facing downstream

Upstream right approach no posts

Load Rating Sign

Downstream right approach no posts

CK-2031 STATLU 1.7km 2019 Inspection

Deck

Tie alignment at right bank not consistent, upstream shown

Tie alignment at right bank not consistent, downstream shown

Upstream from Crossing

CK-2031 STATLU 1.7km 2019 Inspection

Downstream from Crossing

Upstream left approach no posts off road

Approach from Left Bank when facing downstream

Left approach load rating sign

Right Bank Abutment when facing downstream

Left Bank Abutment when facing downstream

Superstructure

Tie misalignment

Upstream right bank wingwall condition

Downstream right bank condition

Upstream right bank wingwall condition

Scour under downstream right bank CIP does not appear any worse