CK-2285	TSILEUH 12.1km	2018 Inspection

CBR iPad Offline Ver 0.28

CBR Data

Latitude	Longitude
49°44'48.3"	-121°27'54.5"

Crossing Name	Black Creek
FSR #	7978
Branch #	1
Road Name	TSILEUH
User km	12.1
Current Load Rating (tonnes)	68
Structure Class	Permanent Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Concrete
Abutment Left	Steel Pipe and Precast Pad
Abutment Right	Steel Pipe and Precast Pad
Spans	1
Total Length (m)	20
Deck Width (m)	5

Updated Data

Latitude	Longitude
49°44'48.11"	-121°27'53.47"

HD Diff. (m)	21.4	Accuracy (m)	10

L75 or 68 tonnes

Inspection

Date of Inspection	2018-10-11 11:08:11 AM	Recommended Next Inspection Year	2021
Inspector Name	Tyson Miller	Inspection Company	MFLNRO

Inspector Comments

The road has failed 100m prior to bridge location. Approx 30m section will need to be reconstructed prior to gaining access to bridge site.

P.Eng Comments

Replace the guardrail, risers and blocks. Replace all the deck joint seals. Brush approaches and post bridge ahead signs. The current load rating of L75 or 68 tonnes to continue. The FSR at the town (right) approach will require a significant repair prior to any bridge repair work.

06/02/2019

P.Eng Seal

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Approach

Alignment	Fair	HC right approach, HC and VC left approsch
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	Logs
Posted Load Rating		Not posted
Road Surface	Poor	The FSR has failed 100m prior to the bridge and will require a significant repair

Abutment

Log/Timber Cribs	
Tie Backs	
Bin Wall	
Concrete	
Caps or Sills	
Piles or Posts	Fair
Ballast Wall	Good
Wing Wall	
Bracing	Good
Hardware	
Fill	Fair
Riprap	Good
Bearings	Good
Corrosion Protection	Good

Deck

Running Surface	Good	
Running Planks		
Sub Deck		
Ties		
Nails		
Deck to Girder Bolts	Fair	Combination of clips and bolts
Concrete Deck	Fair	
Grout Pockets		
Deck Joints	Poor	All foam backing and paraseal have failed
Steel Deck Plate		
Gravel Surface		
Curb Rail/Blocks/Posts	Poor	Rotten blocks and risers
Hand Rails/Walkouts		
Hardware	Fair	
Overall Deck Condition	Poor	Due to deck joint seal and guadrail condition
Gravel Depth (mm)		

Steel/Concrete

Girders	Fair
Diaphragms	Fair
Bracing	Fair
Under Trussing	
Hardware	Fair
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)	1.0	High Water ☐	Debris ☐
Estimated Present Water Level Width (m)	8.0	Aggradation ☐	Scour ☐
Estimated High Water Level Clearance (m)	4.0	Ice ☐	

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Medium	Replace all deck seals
2	Medium	Replace guardrail, risers and blocks
3	Medium	Brush approaches
4	Low	Post bridge ahead signs

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)

Approach from Right Bank when facing downstream

Deck elevation 100mm higher than road elevation

Deck

Minor damage noted to underside of panel 1 right bank

Minor damage noted to underside of panel 1 right bank

Left Bank Abutment when facing downstream

Foam backing coming out of all deck joints

Right Bank Abutment when facing downstream

Superstructure

Deck clips and bolts

Splice plates

Approach from Left Bank when facing downstream

Deck

Deck seals all failed