CK-2207	MOWHOKAM 15.7km	2019 Inspection

CBR iPad Offline Ver 0.31

CBR Data

Latitude	Longitude
50°3'2.48"	-121°26'39.6"

Crossing Name	Mowhokam Creek
FSR #	8019
Branch #	2
Road Name	MOWHOKAM
User km	15.7
Previous Load Rating (tonnes)	0
Structure Class	Temporary Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Timber - Untreated
Abutment Left	Crib, Log or Untreated Timber
Abutment Right	Crib, Log or Untreated Timber
Spans	1
Total Length (m)	12.1
Deck Width (m)	4.3

Updated Data

Latitude	Longitude
50°3'2.6"	-121°26'40.1"

HD Diff. (m)	10.6	Accuracy (m)	5

0 tonnes

Inspection

Date of Inspection	2019-08-28 11:10:01 AM	Recommended Next Inspection Year	2020
Inspector Name	Tyson Miller	Inspection Company	FLNRORD

Inspector Comments

The timber deck and steel girder structure is supported by a log stringer bridge underneath. All the log stringers are rotten and a risk to failure. Also, the log stringer structure may be affected by high stream flows which puts the steel girder and timber deck bridge at risk.

The site appeared to be recently surveyed as Bench Marks were noted.

P.Eng Comments

Due to the poor condition of the structure I recommend replacing it with a single new structure or blocking access until it's required. The current load rating of 0 tonnes to continue. Please update load rating sign and block access to traffic until all works are completed.

P.Eng Seal

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Approach

Alignment	Fair	VC left approach limits visibility, HC right 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	Poor	Small fender logs on all corners
Posted Load Rating	1	
Road Surface	Fair	

Abutment

Log/Timber Cribs	Poor	Log crib supports log stringer structure plus log sills that supports the steel girder structure, 200mm sap rot in bottom crib log, 50mm sap rot in top crib log
Tie Backs	Poor	All rotten
Bin Wall		
Pier		
Concrete		
Caps or Sills	Fair	
Piles or Posts		
Ballast Wall	Poor	Rotten
Wing Wall		
Bracing		
Hardware		
Fill	Fair	
Riprap	Poor	Scoured with bags of sakrete filling voids and all riprap smaller than what the stream transports
Bearings	Fair	
Corrosion Protection		

Deck

Running Surface		
Running Planks	Fair	Signs of decay starting on underside
Sub Deck		
Ties	Fair	Signs of decay starting on underside
Nails	Fair	
Deck to Girder Bolts	Fair	
Concrete Deck		
Grout Pockets		
Deck Joints		
Steel Deck Plate		
Gravel Surface		
Curb Rail/Blocks/Posts	Fair	
Hand Rails/Walkouts		
Hardware	Fair	
Overall Deck Condition	Fair	
Gravel Depth (mm)		
Pier Deck		

Steel/Concrete

Girders	Fair	Only a section of a complete girder set
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)	0.5	High Water	X	Debris	
Estimated Present Water Level Width (m)	8.0	Aggradation		Scour	X
Estimated High Water Level Clearance (m)	0	Ice			

Comments

Log stringer bridge may be affected by high flows and affect the stability of the steel girder structure

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	Update load rating sign
2	High	Remove existing structures and replace or block access
3		

Item	Monitor Description	Frequency
1	For failure	Annually
2		
3		

Sketch
(Select Signature)

Deck

Approach from Left Bank when facing downstream

Upstream from Crossing

Load Rating Sign

Approach from Right Bank when facing downstream

Downstream from Crossing

Ballast wall condition for steel girders

BMs noted

Needle beam condition

Right Bank Abutment when facing downstream

Downstream Profile

Right Bank Abutment when facing downstream

Right bank sill for steel girders

Downstream log stringer condition at left bank

Timber deck condition

Left Bank Abutment when facing downstream