CK-2003	AMERICAN 7.9km	2018 Inspection

CBR iPad Offline Ver 0.28

CBR Data

Latitude	Longitude
49°25'6.3"	-121°31'25"

Crossing Name	American Creek
FSR #	8123
Branch #	1
Road Name	AMERICAN
User km	7.9
Current Load Rating (tonnes)	91
Structure Class	Temporary Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Timber - Untreated - Panels
Abutment Left	Sill -Temporary Materials
Abutment Right	Sill -Temporary Materials
Spans	1
Total Length (m)	9.1
Deck Width (m)	4.8

Updated Data

Latitude	Longitude
49°25'6.69"	-121°31'27.83"

HD Diff. (m)	58.1	Accuracy (m)	5
Portable	Y		

Inspection

Date of Inspection	2018-06-04 10:25:53 AM	Recommended Next Inspection Year	2019
Inspector Name	Tyson Miller	Inspection Company	MFLNRO

Inspector Comments Serial/ID Plate

I watched 2 loaded logging trucks cross the bridge and there wasn't any noticeable movement to the abutment or riprap. Continue to monitor the riprap condition, especially during operations.

P.Eng Comments

This bridge was originally installed in 2013 and assumed a 3 year lifespan. Due to the temporary nature of the install oversized riprap was used for the slope protection and was installed steeper (1H:1V) than typical. The riprap on the downstream right bank continues to erode putting the stability of the structure at risk. I recommend a temporary repair of the eroding riprap be completed at this time to ensure abutment stability and the riprap condition be monitored. The steel indicates L100 or 91 tonnes load rating which can continue at this time.

P.Eng Seal

Approach

Alignment	Fair	HC both approaches
Bridge Ahead Signs Missing	(•) 0 ( ) 1 ( ) 2	
Brushing Required	N	
Delineator Missing Left	(•) 0 ( ) 1 ( ) 2	
Delineator Missing Right	(•) 0 ( ) 1 ( ) 2	
Fender Condition	Good	Logs
Posted Load Rating		Not posted
Road Surface	Good	

Abutment

Log/Timber Cribs		
Tie Backs		
Bin Wall		
Concrete		
Caps or Sills	Fair	Single logs sills at both banks
Piles or Posts		
Ballast Wall	Good	Untreated timbers - 100mm x 250mm not fastened to steel
Wing Wall		
Bracing		
Hardware	Fair	Deck clips secure bearing locations
Fill	Fair	
Riprap	Fair	Poor at downstream right bank as it's eroding, both banks riprap 1H:1V and not well graded or keyed - monitor site while in use especially following heavy rainfall events
Bearings	Fair	
Corrosion Protection		

Deck

Running Surface		
Running Planks	Fair	
Sub Deck	Fair	
Ties	Fair	
Nails	Fair	
Deck to Girder Bolts	Good	Deck clips fasten deck to girders
Concrete Deck		
Grout Pockets		
Deck Joints		
Steel Deck Plate		
Gravel Surface		
Curb Rail/Blocks/Posts	Fair	Continuous riser - entire deck
Hand Rails/Walkouts		
Hardware	Fair	
Overall Deck Condition	Fair	
Gravel Depth (mm)		

Steel/Concrete

Girders	Fair	
Diaphragms	Fair	3 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)	0.5	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	3.0	Aggradation	☐	Scour	☒
Estimated High Water Level Clearance (m)	1.5	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Medium	Repair riprap scour
2		
3		

Item	Monitor Description	Frequency
1	Monitor eroding riprap while in use	Weekly
2		
3		

Sketch
(Select Signature)

Approach from Right Bank when facing downstream

Upstream from Crossing

Approach from Right Bank when facing downstream

Downstream from Crossing

Approach from Left Bank when facing downstream

Deck clips

Structure ID

Attached to upstream girder web

CK-2003 AMERICAN 7.9km 2018 Inspection

Right Bank Abutment when facing downstream

Upstream Profile

Eroding riprap right bank

Left Bank Abutment when facing downstream

Eroding riprap at downstream right bank

Eroding riprap at downstream right bank

Superstructure