

CK-2518

AMERICAN CREEK 9.7km

2017 Inspection

CBR iPad Offline Ver 0.26



CBR Data

Latitude	Longitude		
49°26'1.38"	-121°31'15.9"		
Crossing Name	Unknown		
FSR #	8123	Branch #	1
Road Name	AMERICAN CREEK		
User km	9.7		
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)	21.3		
Deck Width (m)	4.3		

Updated Data

Latitude	Longitude		
49°26'.93"	-121°31'16.18"		
HD Diff. (m)	15.1	Accuracy (m)	5
9.2			
Y			

Inspection

Date of Inspection 2017-06-14 9:50:07 AM

Recommended Next Inspection Year 2018

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

Material in front of left bank sill appears highly erodable
 Could add riprap to U/S left bank

P.Eng Comments

At the time of this installation a 3 year lifespan was assumed and long-term rock armouring was not added, leading to risk from scour. According to the record drawings the right bank (town end) abutment is founded on bedrock but the left bank (woods end) is founded on compacted fill, which is very susceptible to scour and needs to be monitored. According to the record drawings the load rating is L100 or 91 tonnes, which can continue; however I recommend placing riprap at the left upstream location and monitoring both abutments for scour. Post bridge ahead signs. Please submit the structural drawings.



19/06/2017

P.Eng Seal

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Approach

Alignment Fair

VC and HC both approaches

Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required N

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Good

Logs

Posted Load Rating

Not posted

Road Surface Fair

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Concrete

Caps or Sills Fair

2 - 250mm x 250mm timbers

Piles or Posts

Ballast Wall Good

6 - 100mm x 300mm timbers not fastened together or to girders

Wing Wall

Bracing

Hardware Fair

Fill Fair

Riprap Poor

None in front of sills and potential for scour - monitor

Bearings Good

Corrosion Protection

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Deck

Running Surface

Running Planks	Fair	100mm x 300mm
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Sub Deck

Ties	Good	200mm x 300mm on 310mm centers
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Nails	Good	
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Deck to Girder Bolts	Good	Every modular panel fastened in 2 locations
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Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts	Fair	Solid riser all the way across bridge
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Hand Rails/Walkouts

Hardware	Good	
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Overall Deck Condition	Fair	
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Gravel Depth (mm)

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Steel/Concrete

Serial/ID Plate L100, serial # 106-13

Girders Good

Diaphragms Good 6 welded bays

Bracing Good

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

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Hazards

Estimated Present Water Level Depth (m)	0.5	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	8.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	1.5	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
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1	Medium	Post bridge ahead signs
2	Medium	Place riprap at upstream left bank corner
3		

Item	Monitor Description	Frequency
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1	Abutment scour	Annually
2		
3		

Sketch
(Select Signature)



Approach from Right Bank when facing downstream



Looking upstream from deck



Deck



Looking downstream from deck



Approach from Left Bank when facing downstream



Structure ID



Upstream Profile



Deck clips



Right Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Sills are 2 - 250mm x 250mm timbers



Superstructure