

CK-2518

AMERICAN 9.2km

2018 Inspection

CBR iPad Offline Ver 0.28



CBR Data

Latitude	Longitude		
49°26'1.39"	-121°31'15.9"		
Crossing Name	Unknown		
FSR #	8123	Branch #	1
Road Name	AMERICAN		
User km	9.2		
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°26'1.1"	-121°31'16.7"		
HD Diff. (m)	18.5	Accuracy (m)	5

Y

Inspection

Date of Inspection 2018-06-04 10:57:43 AM

Recommended Next Inspection Year 2019

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

Both banks susceptible to erosion at high flows, especially left abutment

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. Replace the upstream right approach delineator with proper one.



P.Eng Seal

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Approach

Alignment Fair

HC and VC at both approaches

Bridge Ahead Signs
Missing☒ 0 ☐ 1 ☐ 2

Brushing Required N

Delineator Missing
Left☒ 0 ☐ 1 ☐ 2 1 wrongDelineator 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

Untreated timbers

Piles or Posts

Ballast Wall Good

Untreated timbers not fastened to steel

Wing Wall

Bracing

Hardware Good

Deck clips secure bearing locations

Fill Fair

Riprap Poor

None in front of abutments

Bearings Good

Corrosion Protection

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Deck

Running Surface

Running Planks Fair

Sub Deck Fair

Ties Good

Nails Good

Deck to Girder Bolts Good Deck clips

Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Fair Solids riser across bridge

Hand Rails/Walkouts

Hardware Good

Overall Deck Condition Fair

Gravel Depth (mm)

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**Steel/Concrete**

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)	1.0	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	7.0	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	Low	Replace upstream right bank delineator with proper one
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2		
---	--	--

3		
---	--	--

Item

Monitor Description

Frequency

1	Abutment scour	
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	Anually
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2		
---	--	--

3		
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Sketch
(Select Signature)



Approach from Right Bank when facing downstream



Upstream from Crossing



Deck



Downstream from Crossing

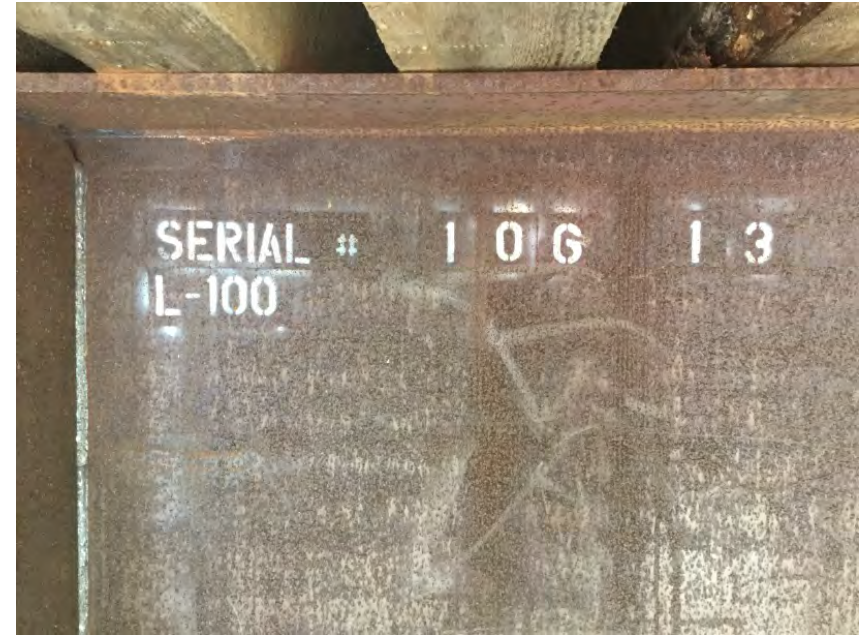
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Approach from Left Bank when facing downstream



Structure ID



Upstream Profile



Deck clips



Right Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



No riprap in front of left abutment