

CK-2152

JONES LAKE 3.9km

2018 Inspection

CBR iPad Offline Ver 0.28



CBR Data

Latitude	Longitude		
49°17'9.99"	-121°37'1.4"		
Crossing Name	Not Known		
FSR #	8149	Branch #	1
Road Name	JONES LAKE		
User km	3.9		
Current Load Rating (tonnes)	68		
Structure Class	Permanent Bridge		
Portable	N		
Superstructure	Concrete Slab Girders		
Deck Type	Concrete		
Abutment Left	Concrete Precast		
Abutment Right	Concrete Precast		
Spans	1		
Total Length (m)	13.5		
Deck Width (m)	4.9		

Updated Data

Latitude	Longitude		
49°17'10.19"	-121°37'1.03"		
HD Diff. (m)	9.5	Accuracy (m)	10

L75 or 68 tonnes

Steel Pipe and Precast Pad

Steel Pipe and Precast Pad

Inspection

Date of Inspection 2018-05-30 1:18:55 PM

Recommended Next Inspection Year 2019

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

The abutments have sustained damage by previous high flows leaving the footings partially exposed. The riprap in front of both abutments is not adequate for permanent infrastructure.

P.Eng Comments

Both abutments require additional riprap for proper protection. Until this is properly done monitor for further erosion especially following heavy precipitation events; consider replacing the structure with a longer span. Replace the damaged section of guardrail and replace the missing delineators. Present load rating of L75 or 68 tonnes to continue.



17/01/2019

P.Eng Seal

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Approach

Alignment Fair

HC right approach

Bridge Ahead Signs
Missing☒ 0 ☐ 1 ☐ 2

Brushing Required N

Delineator Missing Left

☐ 0 ☒ 1 ☐ 2

Delineator Missing Right

☐ 0 ☐ 1 ☒ 2

Fender Condition

Posted Load Rating 68040

Road Surface Good

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Concrete Fair

Upstream right bank footing partially visible - concrete added below precast for complete bearing

Caps or Sills Good

Cap/wall combo

Piles or Posts Fair

Ballast Wall Good

Wing Wall

Bracing Good

Hardware

Fill Fair

Poor at downstream left bank as it's eroding

Riprap Poor

Very little in front of both abutments and round and not keyed in

Bearings Good

Corrosion Protection Fair

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**Deck**

Running Surface Fair

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck Fair typical wear on wheel path

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Fair some damage noted at downstream right bank

Hand Rails/Walkouts

Hardware Good

Overall Deck Condition Fair

Gravel Depth (mm)

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Steel/Concrete

Girders Good 4 concrete slab girders

Diaphragms

Bracing

Under Trussing

Hardware

Welded/grouted shear connectors Good Welded

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)	0.2	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	2.0	Aggradation	☒	Scour	☐
Estimated High Water Level Clearance (m)	0.5	Ice	☐		

Comments

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	High	Replace riprap in front of both abutments

2	Medium	Replace damaged section of guardrail and replace missing delineators
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3

Item	Monitor Description	Frequency
1	Left abutment scour	Anually

2

3

Sketch
(Select Signature)



Approach from Left Bank when facing downstream



Upstream from Crossing



Deck



Downstream from Crossing



Damaged guardrail downstream right bank



Left Bank Abutment when facing downstream



Approach from Right Bank when facing downstream



Left Bank Abutment when facing downstream



Upstream Profile



Downstream left bank fill erosion



Downstream left pipe column partially exposed with little riprap in front



Right Bank Abutment when facing downstream



Upstream right bank pipe column and footing partially exposed



Minor damage noted to upstream right bank ballast wall