

CK-2207

MOWHOKAM 9.6km

2015 Inspection



CBR iPad Offline Ver 0.20

CBR Data

Latitude	Longitude
50°3'2.19"	-121°26'39.6"
Crossing Name	Mowhokam Creek
FSR #	8019
Branch #	2
Road Name	MOWHOKAM
User km	9.6
Current Load Rating (tonnes)	30
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)	3.3

Updated Data

Latitude	Longitude
50°3'2.48"	-121°26'39.6"
HD Diff. (m)	9.4
Accuracy (m)	5
15.7	
4.3	

Inspection

Date of Inspection 2015-06-18 9:25:24 AM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

recommend removing log stringer structure below before it creates a problem for steel girder. replace structure with one that is slightly longer.

P.Eng Comments

Present load rating of 30 tonnes to continue - please post load rating sign. Recommend replacing this structure soon.



P.Eng Seal

Dec 4/2015

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Approach

Alignment Fair

VC left approach, HC right approach

 Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required Y minor

 Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

 Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Poor buried in approach fill

Posted Load Rating not posted

Road Surface Fair

Abutment

Log/Timber Cribs Fair old and rotting, and only for log stringers

Tie Backs Poor rotten

Bin Wall N/A

Concrete N/A

Caps or Sills Fair

Piles or Posts N/A

Ballast Wall Fair

Wing Wall N/A

Bracing N/A

Hardware

Fill Fair

Riprap Poor very little, rounded, undersized with bags of sakrete

Bearings Fair

Corrosion Protection N/A

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**Deck**

Running Surface N/A

Running Planks Good new modular deck panels

Sub Deck N/A

Ties Good 250mm x 200mm @ 405mm centers

Nails Good

Deck to Girder Bolts Fair undersized deck clips but functional

Concrete Deck N/A

Grout Pockets N/A

Deck Joints N/A

Steel Deck Plate N/A

Gravel Surface N/A

Curb Rail/Blocks/Posts Good

Hand Rails/Walkouts

Hardware N/A

Overall Deck Condition

Gravel Depth (mm)

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Steel/Concrete

Serial/ID Plate

Girders Fair only portion of a larger girder set

Diaphragms Fair 3 bay, bolted

Bracing Fair

Under Trussing N/A

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

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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)	0	Ice	☐		

Comments Left Bank stringer structure under steel girder in really poor condition. left bank downstream girder completely sheared and only thing holding it up is the needle beam lashed to structural guardrail. when the stringer falls it may twist and dislodge other stringers and log sill that steel structure bears on

Repairs and Monitoring

Repair Item	Priority	Repair Description
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1

2

3

Item	Monitor Description	Frequency
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1

2

3

Sketch
(Select Signature)

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Approach from Left Bank when facing downstream



structure appears to be settling on downstream end



Approach from Left Bank when facing downstream



modular panels

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Approach from Right Bank when facing downstream



deck clips not correct size but functional for now



deck clips



modular panels from underneath

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superstructure



Downstream Profile



Right Bank Abutment when facing downstream



downstream log stringer, left side completely sheared

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Left Bank Abutment when facing downstream



Right Bank Abutment when facing downstream