

CK-2207

MOWHOKAM 9.6km

2014 Inspection

CBR iPad Offline Ver 0.17

CBR Data

Latitude Longitude
50°3'2.19" -121°26'39.6"

Road Name MOWHOKAM
User km 9.6
Current Load Rating (tonnes) 41
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
49°20'41.13" -121°26'39.82"
HD Diff. (m) 78575.1 Accuracy (m) 10
Mowhokam
15.8
30 tonnes
Temporary Bridge
N
Steel I-beam
Timber - Untreated
Crib, Log or Untreated Timber
Crib, Log or Untreated Timber
1
12.3
3.9

Inspection

Date of Inspection 2014-10-14 10:02:07 AM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspection Comments

P.Eng Comments

The deck condition continues to deteriorate, reduce loading to 30 tonnes. Post updated load rating sign and monitor the log stringers underneath for failure.



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Approach

Alignment Fair

VC left approach and HC right approach

Bridge Ahead Signs
Missing ☐ 0 ☒ 1 ☐ 2

Brushing Required Y

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

Fender Condition Poor

logs that are small left approach and logs that are sunk right approach

Posted Load Rating

not posted

Road Surface Fair

Abutment

Log/Timber Cribs Poor

for fill retention

Tie Backs Poor

rotten

Bin Wall N/A

Concrete N/A

Caps or Sills Fair

but bearing just behind old crib

Piles or Posts N/A

Ballast Wall Fair

logs

Wing Wall N/A

Bracing N/A

Hardware Poor

steel girders not connected to log sill

Fill Fair

Riprap Fair

fair to poor as scour evident

Bearings Fair

steel not square on log sill

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Corrosion Protection

Deck

Running Surface	N/A	
Running Planks	Fair	poor on wheel path
Sub Deck	Poor	rotting
Ties	Fair	localized rot and undersized at 200mm x 200mm
Nails	Fair	starting to protrude
Deck to Girder Bolts	Poor	none
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	Poor	undersized
Hand Rails/Walkouts	N/A	
Hardware	Fair	
Overall Deck Condition	Poor	due to plank and sub deck condition
Gravel Depth (mm)		

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Steel/Concrete

Girders Fair only portion of 30.4m long steel girders

Diaphragms Fair 3, bolted

Bracing Fair

Under Trussing N/A

Hardware Fair

Welded/grouted
shear connectors N/A**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)

Comment

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Hazards

Estimated Present Water Level Depth (m)	0.5	High Water	☒	Debris	☒
Estimated Present Water Level Width (m)	6.0	Aggradation	☐	Scour	☒
Estimated High Water Level Clearance (m)	0	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	post updated load rating sign
2	Medium	recommend replacing entire structure prior to industrial activity
3	Medium	replace missing bridge ahead sign

Monitor Item

Monitor Description

Monitoring Frequency

1	log stringers underneath for failure	Anually
2		
3		

Sketch
(Select Signature)

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Approach from Left Bank when facing downstream



Approach from Left Bank when facing downstream



Deck



Approach from Right Bank when facing downstream

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Downstream Profile



left downstream bearing



Left Bank Abutment when facing downstream



superstructure

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subdeck



rotten subdeck