

CK-2104

HARRISON EAST 6.8km

2017 Inspection



CBR iPad Offline Ver 0.26

CBR Data

Latitude	Longitude		
49°23'54.39"	-121°44'49.4"		
Crossing Name	Slollicum Creek		
FSR #	5748	Branch #	1
Road Name	HARRISON EAST		
User km	6.8		
Current Load Rating (tonnes)	91		
Structure Class	Permanent Bridge		
Portable	N		
Superstructure	Steel I-beam		
Deck Type	Concrete Composite		
Abutment Left	Steel Pipe and Precast Pad		
Abutment Right	Steel Pipe and Precast Pad		
Spans	1		
Total Length (m)	27.7		
Deck Width (m)	6.9		

Updated Data

Latitude	Longitude		
49°23'54.86"	-121°44'49.17"		
HD Diff. (m)	14.9	Accuracy (m)	10

Inspection

Date of Inspection 2017-03-29 10:52:27 AM

Recommended Next Inspection Year 2020

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

P.Eng Comments

Replace the eroding road fill at both downstream approaches; remove the sediment from the deck and properly assess; and replace the missing delineators. Monitor the downstream right bank wingwall as the top 2 rows of lock blocks are pushing outwards, and monitor the condition of the old log crib retaining fill, especially considering the record drawings indicate precast concrete footings as opposed to cast-in-place into bedrock. Present load rating of L100 or 91 tonnes to continue.



30/03/2017

P.Eng Seal

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Approach

Alignment Fair

HC and VC both approaches

 Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required N

 Delineator Missing
Left ☐ 0 ☒ 1 ☐ 2

 Delineator Missing
Right ☐ 0 ☒ 1 ☐ 2

Fender Condition Good

Posted Load Rating 91000

Road Surface Poor

Eroding road surface at both downstream approaches

Abutment

Log/Timber Cribs Fair

For fill retention both sides

Tie Backs Poor

Splitting and rotting

Bin Wall N/A

Concrete N/A

Caps or Sills NA

Piles or Posts Good

Ballast Wall Fair

Wing Wall Fair

Lock blocks on downstream right approach 2nd and 3rd rows starting to push out - geogrid between each row noted

Bracing Good

Hardware Fair

Fill Fair

Being retained by and old log crib at both banks

Riprap N/A

NA as abutments are elevated - check record drawings to see elevation of footings

Bearings Fair

Corrosion Protection Good

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Deck

Running Surface	Poor	Too much sediment on deck to properly assess - deck appears to be outsloped 2%, check drawings
Running Planks	N/A	
Sub Deck	N/A	
Ties	N/A	
Nails	N/A	
Deck to Girder Bolts	N/A	
Concrete Deck	Unrated	Too much sediment on deck to properly assess
Grout Pockets	Unrated	Too much sediment on deck to properly assess
Deck Joints	Unrated	Too much sediment on deck to properly assess
Steel Deck Plate	N/A	
Gravel Surface	N/A	
Curb Rail/Blocks/Posts	Fair	Concrete subriser and steel riser - some damage but functional
Hand Rails/Walkouts	Fair	These are W-beam rails but elevated to act as handrails - some damage but still functional
Hardware	N/A	
Overall Deck Condition	Fair	
Gravel Depth (mm)		

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Steel/Concrete

Serial/ID Plate Iota L100 Nov 99

Girders Good 4800mm between girders, spliced at middle

Diaphragms Good 6 bays, bolted

Bracing Good Both ends

Under Trussing N/A

Hardware Good

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)	8.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	12.0	Ice	☐		

Comments

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	High	Replace eroded material at both downstream approaches
2	Medium	Replace missing delineators
3	High	Clean sediment off deck and assess

Item	Monitor Description	Frequency
1	Wing wall at downstream right bank	Routine Inspection
2	Old log cribs for failure	Routine Inspection
3		

Sketch
(Select Signature)



Approach from Left Bank when facing downstream



Approach from Left Bank when facing downstream



Approach from Left Bank when facing downstream



Eroding road surface at left downstream approach



Eroding road surface and behind ballast wall on left downstream approach



Damage to upstream risers - still functional



Deck



Eroding road surface right downstream approach



Eroding road surface and behind. ballast wall right downstream approach



Approach from Right Bank when facing downstream



Approach from Right Bank when facing downstream



Lock blocks on DS right approach starting to push out on 2nd and 3rd rows



Left Bank Abutment when facing downstream



Splice plates



Superstructure



Upstream Profile



Old log crib left in place right bank - for fill retention check record drawings



Amount of sediment on deck



Upstream right approach detached bullnose



Right Bank Abutment when facing downstream