

CK-2305

EAST ANDERSON 11.7km

2019 Inspection



CBR iPad Offline Ver 0.31

CBR Data

Latitude	Longitude
49°43'34.29"	-121°17'45.3"
Crossing Name	East Anderson Creek
FSR #	7972
Branch #	2
Road Name	EAST ANDERSON
User km	11.7
Previous Load Rating (tonnes)	68
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)	30.5
Deck Width (m)	4.9

Updated Data

Latitude	Longitude
49°43'33.79"	-121°17'44.84"
HD Diff. (m)	18.3
Accuracy (m)	5
L75 or 68 tonnes	

Inspection

Date of Inspection 2019-08-29 8:31:52 AM

Recommended Next Inspection Year 2020

Inspector Name Tyson Miller

Inspection Company FLNRORD

Inspector Comments

The structure requires new guardrail prior to industrial use. The 4th and 5th panels from the left end have diagonal cracks 3.3m long on the surface but those cracks are not visible on the underside of the panels. Deck surface is worn and pitted. Left bank panel 1 is chipped underneath, exposing rusting rebar. Monitor panel condition.

P.Eng Comments

Repair the damaged deck panel (visible from underneath) consistent with the MoFLNRO Concrete Repair Guide for Concrete Bridge Components (2017); replace guardrail, risers and blocks; brush approaches; replace missing delineator; and post bridge ahead signs. Deck panels 4 and 5 and the right bank ballast wall have hairline cracks on the surface that require monitoring. The current load rating of L75 or 68 tonnes can continue.



2020-01-23

P.Eng Seal

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Approach

Alignment Fair

HC right approach, HC and VC left 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

None

Posted Load Rating

Not posted

Road Surface Good

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete

Caps or Sills

Piles or Posts Good

Ballast Wall Fair

Hairline cracks at right bank

Wing Wall

Bracing Good

Hardware

Fill Good

Riprap Good

Bearings Fair

Corrosion Protection Good

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**Deck**

Running Surface Fair

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck Fair Minor damage from track equipment and 2 panels with hairline cracks at the surface

Grout Pockets Fair

Deck Joints Fair Hairline cracks noted at surface

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Poor Rotten

Hand Rails/Walkouts

Hardware Poor Loose rail bolts

Overall Deck Condition Poor Due to rail condition

Gravel Depth (mm)

Pier Deck

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**Steel/Concrete**

Girders Fair

minor sag in girders with minor corrosion

Diaphragms Fair

4 bolted bays

Bracing Fair

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)	0.5	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	12.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	3.0	Ice	☐		

Comments

Repairs and Monitoring

Repair

Item	Priority	Repair Description
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- | | | |
|---|--------|--|
| 1 | High | Replace guardrail, risers and blocks |
| 2 | Medium | Replace missing fender logs at all 4 corners and post bridge ahead signs |
| 3 | Medium | Repair damaged concrete |

Item	Monitor Description	Frequency
1	Cracks in deck panels and ballast walls	Every inspection
2	Sag in girders	Every inspection

3

Sketch
(Select Signature)



Approach from Right Bank when facing downstream



Deck



Guard Rail



Upstream from Crossing



Downstream from Crossing



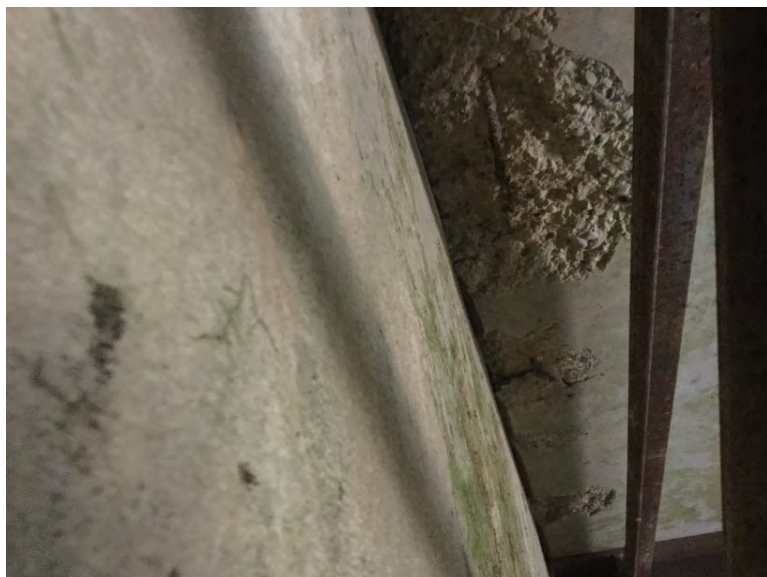
Hairline cracks noted on top of 2 deck panels



Approach from Left Bank when facing downstream



Right Bank Abutment when facing downstream



Damage under deck panel 1 on left bank



Sag in girders, downstream girder shown above



Left Bank Abutment when facing downstream



Hairline cracks in right bank ballast wall