

CK-2308

UZTLIUS-E ANDERSON 29.3km

2016 Inspection

CBR iPad Offline Ver 0.23 SNT



CBR Data

Latitude	Longitude
49°43'19.89"	-121°15'18.7"
Crossing Name	not known
FSR #	7972
Branch #	2
Road Name	UZTLIUS-E ANDERSON
User km	29.3
Current Load Rating (tonnes)	5
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)	4.1

Updated Data

Latitude	Longitude
°0'0"	°0'0"
HD Diff. (m)	5535049.3
Accuracy (m)	
0 tonnes	
N	

Inspection

Date of Inspection 2016-09-13 10:23:12 AM

Inspector Name Rick Johnson

Inspection Company SNT Engineering

Inspector Comments

Coordinates confirmed by GPS.

Bridge is rated for 5 tonnes and needs to be posted. Also the right sill is at risk of failing due to scour.

P.Eng Comments

0 tonnes load rating. Recommend complete replacement. Block access and post load rating signs.



02/03/2017

P.Eng Seal

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Approach

Alignment Fair

Left approach has curve and gradient of 7%.

Bridge Ahead Signs
Missing
☐ 0
 ☐ 1
 ☒ 2

Brushing Required Y

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

Fender Condition Poor

No fenders

Posted Load Rating 0

Not posted

Road Surface Fair

Road material flows onto deck. There is a scour hole 30cm large on the right end and minor scour on the USRB corner.

Abutment

Log/Timber Cribs Poor

The old crib is used to contain fill that supports the sills for the steel girders. The crib is rotten but not failing. There is heavy scour under the right crib.

Tie Backs Poor

Rotten

Bin Wall N/A

Concrete N/A

Caps or Sills Poor

Sills have 100mm of rot. The right sill is heavily scoured on the upstream side.

Piles or Posts N/A

Ballast Wall Fair

Wing Wall N/A

Bracing N/A

Hardware Fair

Fill Poor

Failing under the right upstream sill.

Riprap Poor

None in front of cribs.

Bearings Poor

Right sill is undermined on upstream end.

Corrosion Protection

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**Deck**

Running Surface	N/A	Road material flows onto deck. There is a scour hole 30cm large on the right end and minor scour on the USRB corner.
Running Planks	N/A	
Sub Deck	Fair	
Ties	Fair	
Nails	Fair	
Deck to Girder Bolts	Good	
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	Fair	Steel risers
Hand Rails/Walkouts	N/A	
Hardware	N/A	
Overall Deck Condition	Fair	Sediments on deck
Gravel Depth (mm)		

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Steel/Concrete

Serial/ID Plate IOTA 12.192m. L75. WO 1502. NOV 97

Girders Fair Light rusting

Diaphragms Fair

Bracing Fair

Under Trussing N/A

Hardware N/A

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)

Condition

Comment

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Hazards

Estimated Present Water Level Depth (m)	0.1	High Water	☐	Debris	☒
Estimated Present Water Level Width (m)	2	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	3.0	Ice	☐		

Comments The old stringers under the steel girders are in a state of decay with stringer #2 showing signs of failure. Over the next few years there is a risk of stringers failing and blocking the stream.

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	Post 5 tonnes load rating sign.
2	Medium	1. Post 2 bridge signs. 2. Brush approaches.
3	Medium	Install no post curbs for fenders at each corner.

Item	Monitor Description	Frequency
1	Monitor stringers and crib of old underlaying structure for failure.	Routine Inspection
2	Monitor right sill for failure from scour.	Routine Inspection
3		

Sketch
(Select Signature)



Left approach facing structure



Right approach facing away from structure



Left approach facing away from structure



Right approach facing structure



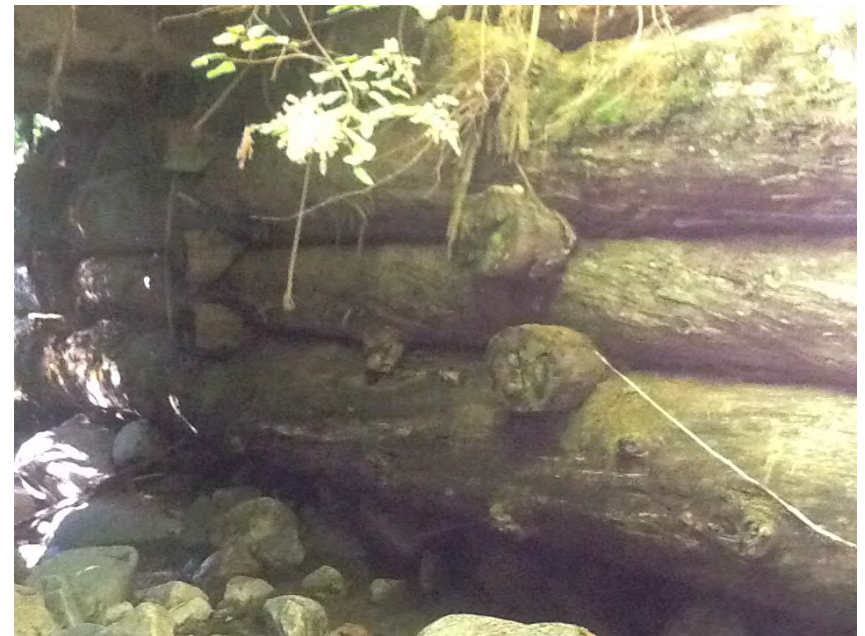
Upstream from Crossing



Downstream Profile



Downstream from Crossing



Right Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Right Bank Abutment when facing downstream



Upstream Profile



Structure ID