

CK-2300

UZTLIUS CREEK 13.4km

2016 Inspection

CBR iPad Offline Ver 0.23 SNT



CBR Data

Latitude	Longitude
49°51'15.59"	-121°13'44.8"
Crossing Name	not known
FSR #	7972
Branch #	1
Road Name	UZTLIUS CREEK
User km	13.4
Current Load Rating (tonnes)	40
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)	12.2
Deck Width (m)	4

Updated Data

Latitude	Longitude
°0'0"	0°0'0"
HD Diff. (m)	5549759.0
Accuracy (m)	
30.8	
5 tonnes	
N	

Inspection

Date of Inspection 2016-09-12 9:44 AM

Inspector Name Rick Johnson

Inspection Company SNT Engineering

Inspector Comments

Coordinates confirmed with GPS.

This structure should be rebuilt by removing the entire old log structure and replacing the abutments for the steel girder bridge. At present the bridge is rated for 40 tonnes due to poor sills.

P.Eng Comments

The entire structure continues to deteriorate. Recommend a complete replacement, including removing the log structure under the steel girder structure at this time. Limit loading to 5 tonnes. Please post.



02/03/2017

P.Eng Seal

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Approach

Alignment Fair

10 percent grade on left, tight curve on right

Bridge Ahead Signs
Missing
☐ 0 ☐ 1 ☒ 2

Brushing Required Y

Approaches and under bridge

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

Damaged and needs replacement

Fender Condition Poor

Small loose logs.

Posted Load Rating 40

Tonnes

Road Surface Fair

Abutment

Log/Timber Cribs Poor

Cribs are from previous structure and act to contain fill for the sills of the overlaying steel girder bridge. Both are scoured on the downstream end.

Tie Backs Poor

Rotten

Bin Wall N/A

Concrete N/A

Caps or Sills Poor

Left log sill for girder is rotten. Right sill is deeply buried in dirt and could not be assessed.

Piles or Posts N/A

Ballast Wall Unrated

Not accessible for review.

Wing Wall N/A

Bracing N/A

Hardware Fair

Two curb brackets displaced.

Fill Fair

Left fill has hole at end of deck. Minor scour. Left downstream corner.

Riprap Poor

No riprap along the old cribbing.

Bearings Poor

Girder is bearing on rotten and/or uncertain materials.

Corrosion Protection N/A

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**Deck**

Running Surface	N/A	
Running Planks	N/A	
Sub Deck	Fair	
Ties	Fair	New ties have been slipped in beside older, poor ties.
Nails	Good	
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	DSRB curb rail has been struck and damaged and a tie has broken. Needs replacement.
Hand Rails/Walkouts	N/A	
Hardware	N/A	
Overall Deck Condition	Fair	
Gravel Depth (mm)		

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**Steel/Concrete**

Serial/ID Plate IOTA. WO-1534. June 2000. L-75. 12.192m

Girders Fair

Diaphragms Unrated No access to view underside of girders

Bracing Unrated No access to view underside of girders

Under Trussing N/A

Hardware Unrated No access to view underside of girders.

Welded/grouted shear connectors N/A

Log

Log Curbs N/A

Needle Beam N/A

Needle Lashing/ Shimming N/A

Needle Beam to Crib (m)

Needle Diameter (mm)

Stringer
Number

Species

Peeled

Diameter
(mm)Rot Depth
(mm)

Condition

Comment

2

Y

Poor

6 old stringers poor.

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Hazards

Estimated Present Water Level Depth (m)	0.1	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	1	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	2	Ice	☐		

Comments

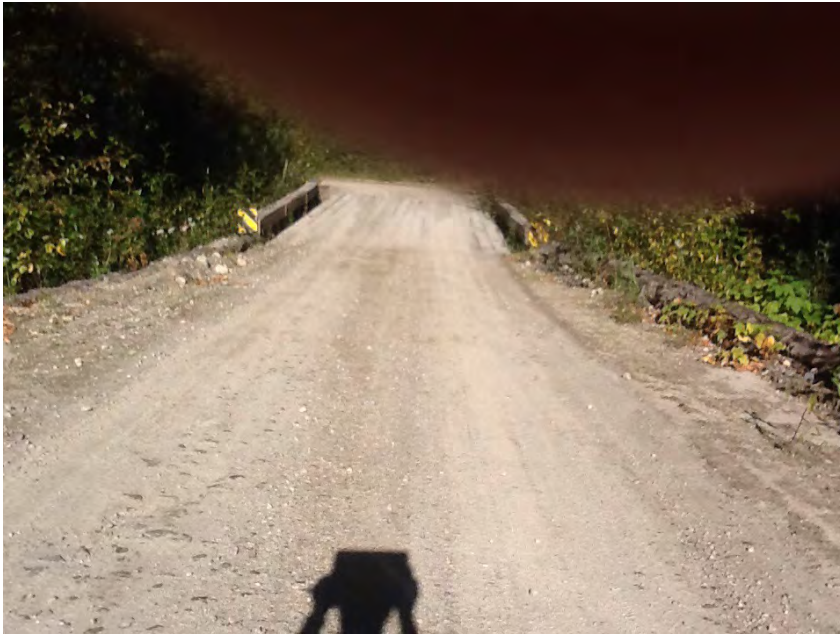
Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	High	Remove the old log structure from under the steel girders and rebuild the abutments or replace the sills for the girders. Instal fenders.
2	Medium	1. Brush approaches and area around the bridge. 2. Post 2 bridge signs.
3	Medium	Replace damaged curb rail and cross tie on DSRB.

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)



Left approach facing structure



Right approach facing away from structure



Left approach facing away from structure



Right approach facing structure



Other



Downstream from Crossing



Upstream from Crossing



Guard Rail



Upstream Profile



Left Bank Abutment when facing downstream



Right Bank Abutment when facing downstream



Stringers



Downstream from Crossing



Structure ID



Left Bank Abutment when facing downstream