

CK-2305

UZTLIUS-E ANDERSON 11.7km

2016 Inspection

CBR iPad Offline Ver 0.23 SNT



CBR Data

Latitude	Longitude		
49°43'34.29"	-121°17'45.3"		
Crossing Name	East Anderson Creek		
FSR #	7972	Branch #	2
Road Name	UZTLIUS-E ANDERSON		
User km	11.7		
Current 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	
°0'0"	°0'0"	
HD Diff. (m)	5535494.6	Accuracy (m)

N

Inspection

Date of Inspection 2016-09-13 12:36:26 PM

Inspector Name Rick Johnson

Inspection Company SNT Engineering

Inspector Comments

Coordinates confirmed by GPS.

Bridge needs new curbs and brushing before industrial use. The 4th and 5th panels from the left end have diagonal cracks 3.3m long on the surface but they are not on the bottoms of the panels. Deck is worn and pitted. On the right end of the right panel the bottom edge of the panel is heavily chipped with a piece 80x20cm removed, exposing rusting metal rebar. Monitor panels. See photos.

P.Eng Comments

Repair damaged deck panel (visible from underneath); replace guardrail, risers and blocks; brush approaches; and post bridge ahead signs. Deck panels 4 and 5 have cracks on the surface of the panel, and the right bank ballast wall also has cracks on the streamside face - both of which need to be monitored. The present load rating of L75 or 68 tonnes can continue. Inspect again next year.



02/03/2017

P.Eng Seal

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Approach

Alignment Fair

Curve on both approaches

Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required Y

Delineator Missing
Left ☐ 0 ☒ 1 ☐ 2

Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Unrated

None

Posted Load Rating 0

Not posted

Road Surface Fair

Sediment running onto left end of deck.

Abutment

Log/Timber Cribs N/A

Tie Backs N/A

Bin Wall N/A

Concrete Fair

The right ballast wall has a network of cracks with 4 cracks in the centre portion of the wall. One set of 2 cracks extends from top to bottom. Crack width is 1mm. See photo.

Caps or Sills Fair

Steel plates and rubber pads.

Piles or Posts Fair

Ballast Wall Fair

Concrete. See comments for concrete regarding cracks.

Wing Wall N/A

Bracing Fair

Hardware Poor

Loose

Fill Good

Riprap Good

Bearings Fair

Corrosion Protection Good

On posts

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**Deck**

Running Surface	Fair	Sediment running onto left end of deck.
Running Planks	N/A	
Sub Deck	N/A	
Ties	N/A	
Nails	N/A	
Deck to Girder Bolts	N/A	
Concrete Deck	Fair	See inspector comments and photos.
Grout Pockets	Fair	
Deck Joints	Fair	
Steel Deck Plate	N/A	
Gravel Surface	N/A	
Curb Rail/Blocks/Posts	Poor	Risers and blocks are rotten and rails only fair.
Hand Rails/Walkouts	N/A	
Hardware	N/A	
Overall Deck Condition	Poor	Due to poor curbs.
Gravel Depth (mm)		

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Steel/Concrete

Serial/ID Plate None seen

Girders Good

Diaphragms Good

Bracing Good

Under Trussing N/A

Hardware Good

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)	0.6	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	9	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	2.0	Ice	☐		

Comments

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	High	1. Patch the chipped end of deck panel. 2. Install fenders
2	High	Replace curbs. Materials are 250x250 x 30.5m x 2 for rails, 250x 250mm x 600 x 24 pieces for risers, 250 x 250mm x 900mm x 24 pieces for blocks.
3	Medium	1. Brush approaches. 2. Install 2 bridge signs.

Item	Monitor Description	Frequency
1	Monitor cracks in right ballast wall and in 4th and 5th deck panels.	Routine Inspection
2		Routine Inspection
3		

Sketch
(Select Signature)



Right approach facing structure



Left approach facing away from structure



Right approach facing away from structure



Left approach facing structure



Upstream from Crossing



Deck



Downstream from Crossing



Underside of bridge



Upstream Profile



Right Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Downstream Profile

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Right Bank Abutment when facing downstream



Deck