

CK-2544

UZTLIUS km

2019 Inspection

CBR iPad Offline Ver 0.31



CBR Data

Latitude 49°51'12.8" Longitude -121°14'47.9"

Crossing Name unknown

FSR # 7972 Branch # 1

Road Name UZTLIUS

User km

Previous Load Rating (tonnes) 91

Structure Class Temporary Bridge

Portable N

Superstructure Steel I-beam

Deck Type Timber - Untreated - Panels

Abutment Left Concrete Lock Blocks

Abutment Right Concrete Lock Blocks

Spans 1

Total Length (m) 9.2

Deck Width (m) 4.3

Updated Data

Latitude 49°51'13.4" Longitude -121°14'48.3"

HD Diff. (m) 20.2 Accuracy (m) 5

28.0

L100 or 91 tonnes

Inspection

Date of Inspection 2019-08-29 9:45:04 AM

Inspector Name Tyson Miller

Recommended Next Inspection Year 2020

Inspection Company FLNRORD

Inspector Comments

The riprap at both abutments have been compromised.

P.Eng Comments

Repair scoured riprap at both abutments by removing the the timber deck panels, steel girders and lock block abutments and installing appropriately sized riprap below scour level; then reinstall the above mentioned components. I recommend completing this prior to industrial activity in 2020. At the time of inspection there was complete and adequate bearing and as such the design load rating of L100 or 91 tonnes can continue. However, another inspection should be completed in early 2020 prior to industrial traffic to ensure bearing is still complete before taking equipment over the bridge to complete the repair.



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Approach

Alignment Fair

HC and VC left approach

Bridge Ahead Signs
Missing☒ 0 ☐ 1 ☐ 2

Brushing Required N

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

Fender Condition Good

Posted Load Rating

Not posted

Road Surface Good

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete Good

Lock blocks

Caps or Sills Good

Timbers

Piles or Posts

Ballast Wall Good

Timbers

Wing Wall

Bracing

Hardware Good

Fill Good

Riprap Poor

Both abutments have scoured

Bearings Good

Corrosion Protection

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Deck

Running Surface

Running Planks **Good**

Sub Deck **Good**

Ties **Good**

Nails **Good**

Deck to Girder Bolts **Good**

Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts **Good**

Hand Rails/Walkouts

Hardware **Good**

Overall Deck Condition **Good**

Gravel Depth (mm)

Pier Deck

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**Steel/Concrete**

Girders Fair

Diaphragms Fair 3 welded 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)	0.05	High Water	☒	Debris	☐
Estimated Present Water Level Width (m)	0.5	Aggradation	☒	Scour	☒
Estimated High Water Level Clearance (m)	0.5	Ice	☐		

Comments

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	High	Repair scoured riprap at both abutments prior to activity

2

3

Item	Monitor Description	Frequency
1	Riprap scour	Anually

2

3

Sketch
(Select Signature)



Approach from Right Bank when facing downstream



Deck



Upstream from Crossing



Downstream from Crossing



Approach from Left Bank when facing downstream



Downstream Profile



Right bank riprap scour



Deck panels



Upstream Profile



Structure ID



Typical bearing



Right Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Superstructure