

CK-2201
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KOOKIPI 3.2km

2020 Inspection

CBR iPad Offline Ver 0.33



CBR Data

Latitude 49°58'58.4" Longitude -121°38'55"

Crossing Name Kookipi Creek

FSR # 6996 Branch # 2

Road Name KOOKIPI

User km 3.2

Previous Load Rating (tonnes) 63

Structure Class Temporary Bridge

Portable N

Superstructure Steel I-beam

Deck Type Timber - Untreated

Abutment Left Concrete Cast in Place

Abutment Right Concrete Cast in Place

Spans 1

Total Length (m) 21.9

Deck Width (m) 4.3

Updated Data

Latitude 49°58'58.61" Longitude -121°38'54.12"

HD Diff. (m) 18.7 Accuracy (m) 10

CL-625 or 63 tonnes

Inspection

Date of Inspection 2020-10-28 9:15:31 AM

Inspector Name Tyson Miller

Recommended Next Inspection Year 2021

Inspection Company FLNRORD

Inspector Comments

P.Eng Comments

The original design vehicle was L60; however Associated Engineering completed an evaluation of the girders and deck in accordance with Section 14 of the CHBDC CSA-S6-14 and found that they can withstand the CL-625 design vehicle. And while the substructure was not evaluated the force effects of the original design vehicle (L60) and the assessment vehicle (CL-625) are similar and therefore increasing the load rating of this structure poses a low risk to the Ministry. The load rating for this structure is now increased to CL-625 or 63 tonnes. Inspect the bridge again next year and monitor the condition of the entire structure due to the increased loading.



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Approach

Alignment Fair

HC left approach

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required N

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Fair

Old rotting logs but still functional

Posted Load Rating

Not posted

Road Surface Fair

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete Good

CIP both abutments

Caps or Sills

Piles or Posts

Ballast Wall Good

Creosote timbers

Wing Wall

Bracing

Hardware

Fill Good

Riprap Fair

Oversized, round and not well keyed but functional

Bearings Good

Corrosion Protection

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Deck

Running Surface

Running Planks Fair

Sub Deck Good Creosote

Ties Good Creosote

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 Fair

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Fair

Diaphragms Fair

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)	1.0	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	12.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	1.5	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
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1

2

3

4

5

6

7

Item	Monitor Description	Frequency
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1

2

3



Approach from Left Bank when facing downstream



Approach from Left Bank when facing downstream



Deck



Guard Rail



Upstream from Crossing



Downstream from Crossing



Approach from Right Bank when facing downstream



Stiffener located 1880mm from girder end on right bank and 1940mm on left bank



Left Bank Abutment when facing downstream



Superstructure



Bottom chord on 2nd diaphragm on right bank distorted



Right Bank Abutment when facing downstream