

CK-2202

KOOKIPI CREEK 15.8km

2016 Inspection

CBR iPad Offline Ver 0.23 SNT



CBR Data

Latitude	Longitude		
49°53'9.89"	-121°42'50.8"		
Crossing Name	Side Creek		
FSR #	6996	Branch #	2
Road Name	KOOKIPI CREEK		
User km	15.8		
Current Load Rating (tonnes)	91		
Structure Class	Temporary Bridge		
Portable	N		
Superstructure	Steel I-beam		
Deck Type	Timber - Treated		
Abutment Left	Steel Pipe and Precast Pad		
Abutment Right	Steel Pipe and Precast Pad		
Spans	1		
Total Length (m)	24.4		
Deck Width (m)	4.3		

Updated Data

Latitude	Longitude		
49°53'8.92"	-121°42'48.9"		
HD Diff. (m)	48.5	Accuracy (m)	10
N			

Inspection

Date of Inspection 2016-09-11 3:15:33 PM

Inspector Name Rick Johnson

Inspection Company SNT Engineering

Inspector Comments

Running planks and curbs are rotting and need replacement for industrial use. They are sufficient for light traffic.

P.Eng Comments

Replace running planks and guardrail system prior to activity. Brush approaches and replace missing delineators and bridge ahead signs. Limit loading to 40 tonnes until deck work has been completed. Post load rating signs.



09/02/2017

P.Eng Seal

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Approach

Alignment Good

 Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required Y Light brush

 Delineator Missing
Left ☐ 0 ☒ 1 ☐ 2

 Delineator Missing
Right ☐ 0 ☐ 1 ☒ 2

Fender Condition Fair Rotting logs but still firm

Posted Load Rating 0 Not posted

Road Surface Good

Abutment

Log/Timber Cribs N/A

Tie Backs N/A

Bin Wall N/A

Concrete N/A

Caps or Sills Good Steel plates and rubber pads.

Piles or Posts Good

Ballast Wall Fair Fill ravelling underneath due to 10cm gap

Wing Wall

Bracing N/A

Hardware Fair Bolts are loose but are in acceptable condition for re-use.

Fill Fair fill ravelling underneath wall both abutments

Riprap Fair Large boulders but uneven placement with voids

Bearings Good

Corrosion Protection Good

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Deck

Running Surface	N/A	
Running Planks	Poor	Splitting, rotting. Need replacing for industrial use
Sub Deck	Fair	Treated
Ties	Good	Treated
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	Poor	Rotten and downstream left corner has broken off
Hand Rails/Walkouts	N/A	
Hardware	Good	
Overall Deck Condition	Poor	Running planks and curbs poor and need replacement
Gravel Depth (mm)		

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Steel/Concrete

Serial/ID Plate No identifying plates were observed

Girders Fair Light rust

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)	0.5	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	9	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	3.5	Ice	☐		

Comments

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	Medium	Replace curbs and running planks. Rails 250x250mm x 24.5m x 2. Riser blocks 250x250mm x 60cm x 24 pieces. Planks 75x250mm x 24.4m x 15 runs. Existing curb hardware appears to be re-usable.
2	Medium	Brush approaches
3	Medium	Replace 4 delineators and 2 bridge signs

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)



Upstream from Crossing



Deck



Downstream from Crossing



Right Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Underside of bridge



Upstream Profile

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Downstream Profile