

QC-7032

BEACH/RENNELL HILL 3.7km

2016 Inspection



CBR iPad Offline Ver 0.23 SNT

CBR Data

Latitude	Longitude
53°21'38.7"	-132°18'50.3"
Crossing Name	Unknown
FSR #	8229
Branch #	2
Road Name	BEACH/RENNELL HILL
User km	3.7
Current Load Rating (tonnes)	136
Structure Class	Woodbox/Log Culvert
Portable	N
Superstructure	
Deck Type	
Abutment Left	
Abutment Right	
Spans	0
Total Length (m)	6
Deck Width (m)	

Updated Data

Latitude	Longitude
53°21'39.41"	-132°18'49.98"
HD Diff. (m)	22.6
Accuracy (m)	5

Inspection

Date of Inspection 2016-09-05 10:44:14 AM

Inspector Name Jamie Rupar Gilliatt

Inspection Company SNT Engineering

Inspector Comments

Wooden box culvert conveys small creek down bedrock gully. Not safe to inspect structure due to significant drop from inlet to outlet. Hole in deck 1.4 x 0.9 m at upstream side likely the result from failed stringer which is partially visible from inlet. Hole is at edge of roadway but still poses hazard to road users. Install signage or barriers to prevent road users falling in hole. Consider using specialist access to inspect stringers. Replace structure.

P.Eng Comments

Load Rated by: MFLNRO, J. Harvey, January 5, 2017

Load Rating: 136 Tonnes GVW

Next Inspection: September 1, 2018

Comments: Structure should be replaced



P.Eng Seal

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Approach

Alignment Fair Horizontal curve.

Bridge Ahead Signs Missing 0 1 2

Brushing Required N

Delineator Missing Left 0 1 2

Delineator Missing Right 0 1 2

Fender Condition Poor No fenders in place.

Posted Load Rating No load posting sign in place.

Road Surface Good

Abutment

Log/Timber Cribs N/A

Tie Backs N/A

Bin Wall N/A

Concrete N/A

Caps or Sills Unrated No access.

Piles or Posts N/A

Ballast Wall N/A

Wing Wall N/A

Bracing N/A

Hardware N/A

Fill Fair

Riprap Poor Insufficient material at outlet.

Bearings N/A

Corrosion Protection N/A

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Deck

Running Surface	Poor	
Running Planks	N/A	
Sub Deck	N/A	
Ties	N/A	
Nails	N/A	
Deck to Girder Bolts	N/A	
Concrete Deck	N/A	
Grout Pockets	N/A	
Deck Joints	N/A	
Steel Deck Plate	N/A	
Gravel Surface	Poor	1.4 m x 0.9 m hole in deck at upstream side.
Curb Rail/Blocks/Posts	N/A	
Hand Rails/Walkouts	N/A	
Hardware	N/A	
Overall Deck Condition	Poor	1.4 m x 0.9 m hole in deck at upstream side.
Gravel Depth (mm)		

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Hazards

Estimated Present Water Level Depth (m)	0.1	High Water	<input type="checkbox"/>	Debris	<input checked="" type="checkbox"/>
Estimated Present Water Level Width (m)	1	Aggradation	<input type="checkbox"/>	Scour	<input type="checkbox"/>
Estimated High Water Level Clearance (m)	0.3	Ice	<input type="checkbox"/>		

Comments Woody debris and overgrowth at downstream end. Culvert is not blocked and still conveys water.

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	Replace structure. Install signage or barriers to prevent road users falling into hole in deck.
2	Medium	Consider using specialist access to inspect condition of stringers.
3		

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)