

QC-7034

BEACH/RENNELL HILL 8km

2019 Inspection

CBR iPad Offline Ver



CBR Data

Latitude	Longitude		
53°20'32.1"	-132°21'37.6"		
Crossing Name	Unknown		
FSR #	8229	Branch #	02
Road Name	BEACH/RENNELL HILL		
User km	8		
Previous Load Rating (tonnes)	150		
Structure Class	Permanent Bridge		
Portable	N		
Superstructure	Concrete Slab Girders		
Deck Type	Concrete		
Abutment Left	Steel Pipe and Precast Pad		
Abutment Right	Steel Pipe and Precast Pad		
Spans	1		
Total Length (m)	12		
Deck Width (m)	4.88		

Updated Data

Latitude	Longitude		
53°20'31.53"	-132°21'37.21"		
HD Diff. (m)	19.1	Accuracy (m)	5

Inspection

Date of Inspection 2019-09-09 4:36:47 PM

Recommended Next Inspection Year 2022

Inspector Name Lindsey McGill

Inspection Company Chartwell Consultants Ltd.

Inspector Comments Serial/ID Plate

Footings not exposed on left abutment but continued scour is likely given prevalent flows. Confluence of two creeks immediately upstream of bridge.

P.Eng Comments

Load Rated by: FLNRORD, J. Harvey P.Eng., February 11, 2020

Load Rating: 150 Tonnes GVW

Next Inspection: September 1, 2022

Comments:



P.Eng Seal

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Approach

Alignment Good

 Bridge Ahead Signs
 Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required N

 Delineator Missing
 Left ☒ 0 ☐ 1 ☐ 2

 Delineator Missing
 Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Good

Posted Load Rating

Road Surface Good

Abutment

Log/Timber Cribs N/A

Tie Backs N/A

Bin Wall N/A

Pier N/A

Concrete Good

Caps or Sills Good

Piles or Posts Unrated No access - assumed post and precast pads

Ballast Wall Good

Wing Wall Good Integrated cap beam

Bracing Unrated No access

Hardware Unrated No access

Fill Good

Riprap Fair Left bank riprap is actively being scoured and has moved. Currently oversteepened but no part of footing is yet visible.

Bearings Good

Corrosion Protection N/A

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**Deck**

Running Surface N/A

Running Planks N/A

Sub Deck N/A

Ties N/A

Nails N/A

Deck to Girder Bolts N/A

Concrete Deck Good Gravel accumulating but is still minor

Grout Pockets N/A

Deck Joints Fair Paraseal has puddled at spots but is functional.

Steel Deck Plate N/A

Gravel Surface N/A

Curb Rail/Blocks/Posts Good HSS painted yellow

Hand Rails/Walkouts N/A

Hardware Good

Overall Deck Condition Good

Gravel Depth (mm)

Pier Deck

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**Steel/Concrete**

Girders Good 5 concrete slab girders, no skew

Diaphragms N/A

Bracing N/A

Under Trussing N/A

Hardware Unrated No access

Welded/grouted shear connectors Good Welded connections

Log

Log Curbs Good Concrete no posts

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)	.2	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	3	Aggradation	☐	Scour	☒
Estimated High Water Level Clearance (m)	3.5	Ice	☐		

Comments Left bank abutment is scouring and riprap is moving.

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	Medium	Consider addition of riprap to left bank abutment to redirect water away from toe of existing slope.

2	Low	Clean debris off deck.
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3		
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Item	Monitor Description	Frequency
1	Continued scour of riprap on left bank abutment.	Routine Inspection

2		
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3		
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Sketch
(Select Signature)

A handwritten signature in black ink, appearing to read "W. R. Hill".



Approach from Right Bank when facing downstream



Downstream from Crossing



Upstream from Crossing



Scoured riprap on left bank

Left Bank Abutment when facing downstream



Scoured riprap on left bank



Downstream Profile



Right Bank Abutment when facing downstream



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Deck



Upstream Profile



Approach from Left Bank when facing downstream

