

QC-7033-1

BEACH/RENNELL HILL 4.2km

2016 Inspection



CBR iPad Offline Ver 0.23 SNT

CBR Data

Latitude	Longitude
53°21'22.2"	-132°19'4.2"
Crossing Name	Unknown
FSR #	8229
Branch #	2
Road Name	BEACH/RENNELL HILL
User km	4.2
Current Load Rating (tonnes)	150
Structure Class	Major Culvert
Culvert Type	Round
Culvert Material	Corrugated Steel
Opening Height (mm)	1400
Opening Width (mm)	1400
Inlet Cover (mm)	600
Outlet Cover (mm)	800
Culvert Gradient %	5
Culvert Length (m)	10

Updated Data

Latitude	Longitude
53°21'20.8"	-132°19'5.89"
HD Diff. (m)	53.5
Accuracy (m)	5

Inspection

Date of Inspection 2016-09-05 11:39:37 AM

Inspector Name Jamie Rupar Gilliatt

Inspection Company SNT Engineering

Inspector Comments

Two 1400 mm dia CSP culverts. QC-7033-1 is left culvert facing downstream and QC-7033-2 is right culvert facing downstream. Culverts are generally in good condition. Steep drop at downstream side, consider installing fenders.

P.Eng Comments

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

Load Rating: 150 Tonnes GVW

Next Inspection: None

Comments: Do not inspect 2 x 1400mm CSPs.



P.Eng Seal



Approach

Alignment Fair Horizontal curve.

Bridge Ahead Signs Missing 0 1 2 No signs required for culvert.

Brushing Required N

Delineator Missing Left 0 1 2 No signs required for culvert.

Delineator Missing Right 0 1 2

Fender Condition Poor Right approach D/S corner only. Typically not required for culverts but site has steep drop at downstream side.

Posted Load Rating No load posting sign in place.

Road Surface Good

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Concrete

Caps or Sills

Piles or Posts

Ballast Wall

Wing Wall N/A

Bracing

Hardware

Fill Good

Riprap Fair

Bearings

Corrosion Protection

Culvert

Baffles	N/A	
Bolted Connections	N/A	
Coating	Fair	Coating failed on floor with light surface corrosion.
Coupled Connections	Good	
Embedment Materials	N/A	
Fill	Good	
Floor	Fair	Light surface corrosion where coating has failed.
Footing	Unrated	No applicable.
Head Walls	N/A	
Inlet	Good	Minor damage at inlet of culvert.
Outlet	Good	
Overall	Good	
Rip Rap	Fair	
Roof	Good	
Sidewalls	Good	
Trash Rack	N/A	
Weirs/Backwater Structures	N/A	
Wing Walls	N/A	

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Log

Log Curbs N/A

Needle Beam N/A

Needle Lashing/
Shimming N/A

Stringer Number	Species	Peeled	Diameter (mm)	Needle Diameter (mm)	Condition	Comment
				Rot Depth (mm)		

(Empty data entry table area)

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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 upstream.

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Medium	Consider installing fenders on downstream side.

2

3

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)