

SC-8321
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TEXADA ISLAND EAST 4.75km

2021 Inspection

CBR iPad Offline Ver 0.34 - DSC



CBR Data

Latitude	Longitude
49°38'9.39"	-124°18'53.7"
Crossing Name	Not Known
FSR #	5829
Branch #	04
Road Name	TEXADA ISLAND EAST
User km	4.75
Previous Load Rating (tonnes)	136
Structure Class	Major Culvert
Culvert Type	Round
Culvert Material	Corrugated Steel
Opening Height (mm)	2000
Opening Width (mm)	2000
Inlet Cover (mm)	2900
Outlet Cover (mm)	1500
Culvert Gradient %	1
Culvert Length (m)	26

Updated Data

Latitude	Longitude
°0'0"	°0'0"
HD Diff. (m)	5525448.0
Accuracy (m)	

Inspection

Date of Inspection 2021-05-14 11:32:24 AM

Recommended Next Inspection Year 2022

Inspector Name Richard Mills

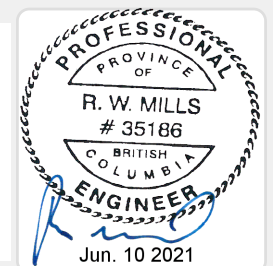
Inspection Company FLNRORD

Inspector Comments

6" gap between connected sections. Likely installation-related. Coupler has corroded on bottom, with 6"x10" hole in bottom of DS end coupler. Outlet has scour/piping extending approx 2m upstream from end of culvert. Bottom supporting material is rocky, and resistant to scour. No apparent change to scour since last inspection.

P.Eng Comments

Load Rated by: Richard Mills, P.Eng. June 8, 2021
Load Rating: L150 or 136 tonnes
Next Inspection: 2022
Comments: Culvert is deteriorating, plan for replacement in next 5 - 10 years.



P.Eng Seal

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Approach

Alignment Fair

Corner

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required N

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Unrated Na

Posted Load Rating

Road Surface Good

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete

Caps or Sills

Piles or Posts

Ballast Wall

Wing Wall N/A

Bracing

Hardware

Fill Good

Riprap Good

Bearings

Corrosion Protection

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Culvert

Baffles N/A

Bolted Connections N/A

Coating Fair Worn

Coupled Connections Fair Gap approx 6". Hole in ds coupler.

Embedment Materials N/A

Fill Good

Floor Fair

Footing Good

Head Walls N/A

Inlet Good

Outlet Fair Minor scour / piping. Monitor

Overall Fair

Rip Rap Good

Roof Good

Sidewalls Good

Trash Rack N/A

Weirs/Backwater Structures N/A

Wing Walls N/A

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

Comments

Repairs and Monitoring

Repair Item	Repair Description
1 Structure. Joint maintenance. m². Priority:Medium	Repair coupler to eliminate hole at bottom of connections.

2

3

4

5

6

7

Item	Monitor Description	Frequency
1	Monitor scour at outlet, hole at bottom of coupler.	Routine Inspection

2

3

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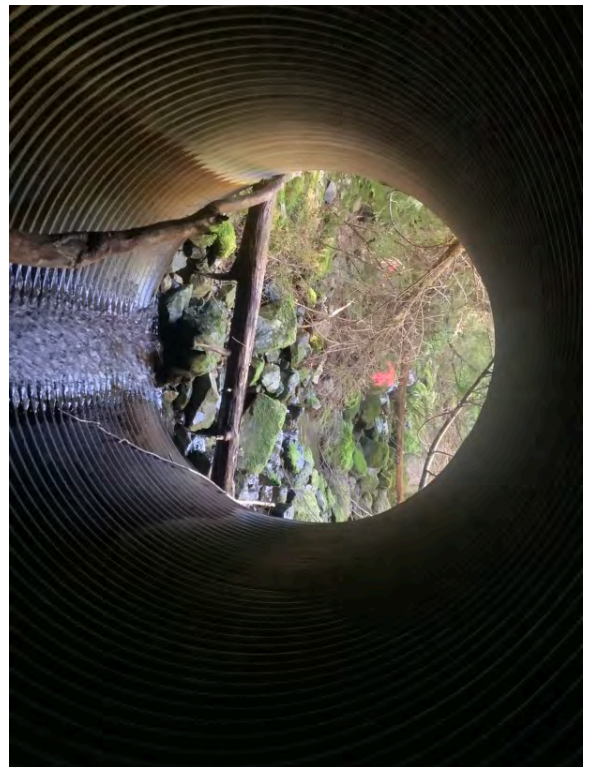
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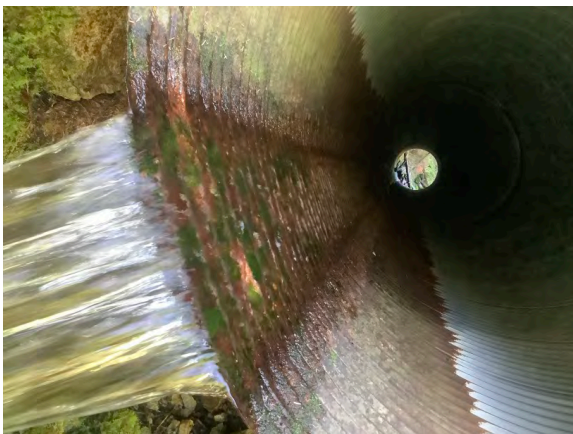
Upstream Profile



Inlet



Outlet



Culvert Floor



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Outlet



Outlet



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