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

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	

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	

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

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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Upstream Profile

Inlet

Outlet

Culvert Floor

Outlet

Outlet