SC-8243
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MALASPINA km

2022 Inspection

CBR iPad Offline Ver 0.34 - DSC

CBR Data

Latitude	Longitude
50°0'3.7"	-124°46'9.9"

Crossing Name	Unknown		
FSR #	6106	Branch #	01
Road Name	MALASPINA		
User km			
Previous Load Rating (tonnes)	150		
Structure Class	Major Culvert		
Culvert Type	Open Bottom		
Culvert Material	Corrugated Steel		
Opening Height (mm)	1910		
Opening Width (mm)	3660		
Inlet Cover (mm)			
Outlet Cover (mm)			
Culvert Gradient %			
Culvert Length (m)	17		

Updated Data

Latitude	Longitude
°0'0"	°0'0"

HD Diff. (m)	5566089.0	Accuracy (m)	
Inlet Cover (mm)	1200		
Outlet Cover (mm)	1500		

Inspection

Date of Inspection	2022-09-26 12:07:26 PM	Recommended Next Inspection Year	2023
Inspector Name	Richard Mills	Inspection Company	FLNRORD

Inspector Comments

Consider adding riprap along sides of culvert to protect from scour. Footings exposed, particularly on left side, due to large rock in channel directing flow towards left side. Footings are supported for entire extent, and elevation of stream-bed material is likely stable.

P.Eng Comments

Load Rated by: Richard Mills, P.Eng. Jan 17, 2023
Load Rating: L165 or 150 tonnes
Next Inspection: 2023
Comments: Footings require scour protection, add riprap.

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	Good	
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	
Bracing	
Hardware	
Fill	Good
Riprap	Fair
Bearings	
Corrosion Protection	

Culvert

Baffles		
Bolted Connections	Good	
Coating	Good	
Coupled Connections	N/A	
Embedment Materials	Good	
Fill	Good	
Floor	Unrated	Na
Footing	Fair	Exposed in some places
Head Walls		
Inlet	Fair	
Outlet	Good	
Overall	Good	
Rip Rap	Fair	
Roof	Good	
Sidewalls	Good	
Trash Rack		
Weirs/Backwater Structures		
Wing Walls		

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)	1.2	Aggradation	☐	Scour	☒
Estimated High Water Level Clearance (m)	1.5	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
1	
2	
3	
4	
5	
6	
7	

Item	Monitor Description	Frequency
1	Monitor footings for scour. Exposed in a few sections on left side, and upstream right. Appears stable, but should be monitored.	Anually
2		
3		

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Approach from Left Bank when facing downstream

Approach from Right Bank when facing downstream

Outlet

Outlet

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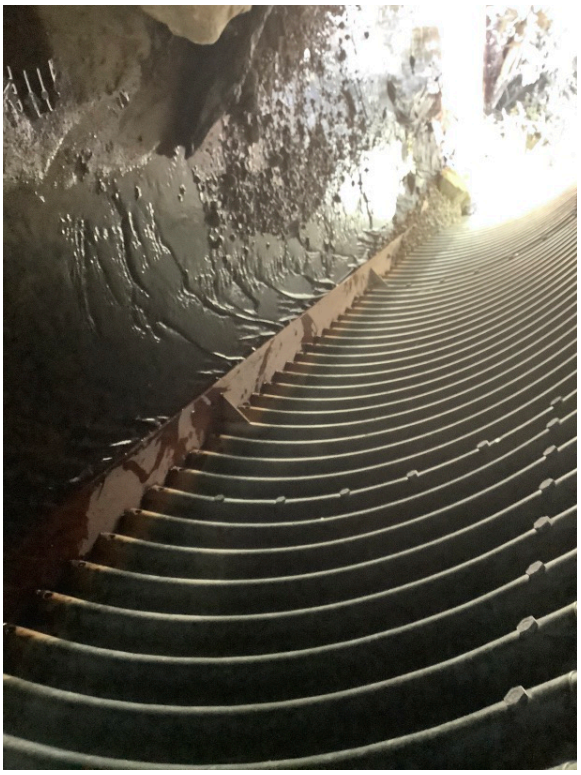
Upstream Profile

Upstream Profile

Culvert Floor