



BC Ministry of Forests, Lands, and Natural Resource Operations

Major Culvert Inspection Report

Page: 1 of 2
Date Printed: 2023/08/01
User Id: IDIR\ASOUKUP
Database: PROD
Report Id: CBR001C

Site #:	KV-054	Structure Name:	KV-054	Road Name:		Inspection Date:	2022/09/21
KM:	109.20	User km:	109.20	Crossing Name:	Unknown	Next Inspection Date:	2025/09/21
Project File ID #:	REC3197	Br.	SUM	Forest District:	Rec Dist - Cascades		
Culvert Type:	Round			Culvert Material:	Other		
Inlet Cover (mm):				Outlet Cover (mm):			
Footing Type:				Gradient (%):			
Culvert Length (metres):	60.0	Opening Height (mm):	3,000	Opening Width (mm):	3,000		
UTM Zone:	10	UTM Easting:	682398	UTM Northing:	5484284		
Inspector Name:	Rudi van der Merwe			Year Superstructure Installed:			
Access:	Princeton						

APPROACHES

Alignment	Good
Brushing Required	No
Fender Condition	None
Road Surface	Good

CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Not Applicable	
Coupled Connections	Not Applicable	
Coating	Not Applicable	
Embedment Materials	Not Applicable	
Fill	Good	Cover 15m
Floor	Poor	Floor heavily scoured throughout, floorbars visible. Outlet floor scoured through.
Footing	Not Applicable	
Head Wall	Good	Headwalls good both sides
Inlet	Fair	Floor is scoured
Outlet	Poor	Outlet scoured through floor but headwalls are stable
Overall	Poor	Floor is heavily scoured and outlet headwall and wingwalls are at risk being undermined
Riprap	Poor	None
Roof	Good	

Corporate Bridge Register (CBR)

Disclaimer:
1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



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Side Walls	Good									
Trash Rack	Not Applicable									
Wiers/Backwater Structures	Not Applicable									
Wing Wall	Poor		Good at inlet, undermined at outlet							
CHANNEL	Estimated Present Water Level Depth:		0.2		Estimated Present Water Level Width:		6.0			
	Estimated High Water Level Clearance:		1.0							
HAZARDS	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	Yes
	Comment:	PW measured DS. Pw at outlet is 9m x 2m. Aggradation DS of the inlet has formed pooling at outlet that backs up into culvert. Water depth at inlet 0.6m and get deeper towards outlet.								
REPAIRS	#	Status	Priority	Estimate	Description					
	1	Required	Medium		concrete repair to floor of culvert and outlet apron					
MONITORS	#	Description								
	1	Monitor stability of outlet headwall and wingwalls.								
GENERAL	Inspector's Comment:	Structure is in poor condition. Floor is heavily scoured throughout with floorbars visible. Floor scoured through at the outlet; outlet headwall and wingwalls are undermined and at risk. Recommend obtaining engineerd plan for concrete repairs to save this structure.								
GENERAL	PEng's Comment:	MB: P.Eng review to determine schedule and options for repairing concrete and outlet plunge pool. Continue to monitor outlet stability.								
GENERAL	Estimated Load Restriction (year):				Estimated Replacement (year):					
	Current Inspection Load Rating:		See footnote	Design Load GVW (tonnes):				Design Vehicle Config.:		
	Professional Inspection Required?		No	Report Status:		Reviewed By Michael Burnett on 2023/01/12 13:13:04				

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