



BC Ministry of Forests, Lands, and Natural Resource Operations

Major Culvert Inspection Report

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Date Printed: 2023/08/01

User Id: IDIR\ASOUKUP

Database: PROD

Report Id: CBR001C

Site #:	CW-064	Structure Name:	CW-064	Road Name:		Inspection Date:	2022/09/14
KM:	145.40	User km:	145.40	Crossing Name:	Boundary Creek	Next Inspection Date:	2023/09/14
Project File ID #:	REC3197	Br.	GRE-GF	Forest District:	Rec Dist - Kootenay-Boundary		
Culvert Type:	Round			Culvert Material:	Other		
Inlet Cover (mm):	10,000			Outlet Cover (mm):	10,000		
Footing Type:	Cast in Place Concrete Footing			Gradient (%):			
Culvert Length (metres):	60.0	Opening Height (mm):	4,000	Opening Width (mm):	4,000		
UTM Zone:	11	UTM Easting:	377538	UTM Northing:	5441192		
Inspector Name:	Rudi van der Merwe			Year Superstructure Installed:			
Access:							

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	Fair	Erosion fill slope at outlet
Floor	Poor	Heavily scoured and undermined at outlet. Scoured throughout structure, concentrated to the left.
Footing	Not Applicable	
Head Wall	Poor	Outlet headwall is partially collapsed
Inlet	Fair	Scour behind wingwall rbus. Some rock armouring installed to train the creek.
Outlet	Poor	Outlet floor is heavily scoured, wingwalls at outlet is partially collapsed.
Overall	Poor	Outlet is in poor condition
Riprap	Not Applicable	
Roof	Fair	Minor cracking visible in roof

Corporate Bridge Register (CBR)

Disclaimer:

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- 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



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Side Walls	Fair	Minor cracking in a few locations								
Trash Rack	Not Applicable									
Wiers/Backwater Structures	Not Applicable									
Wing Wall	Poor	Outlet wingwalls are mostly collapsed								
CHANNEL	Estimated Present Water Level Depth:		0.3		Estimated Present Water Level Width:		8.0			
	Estimated High Water Level Clearance:		3.0							
HAZARDS	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	Yes
	Comment:	Some aggradation lbus. Erosion on fill slope at outlet. Large pool at outlet.								
REPAIRS	#	Status	Priority	Estimate	Description					
	1	Required	High	\$ 0.00	Consider obtaining engineerd plan for repairs to save this structure.					
MONITORS	#	Description								
	1	Monitor outlet headwall and fill slope for stability.								
GENERAL	Inspector's Comment:	Structure is in poor condition. Outlet floor is heavily scoured and undermined. Outlet wingwalls are undermined and partially collapsed. The scour at outlet is impacting the fill slope above outlet. Recommend obtaining an engineerd plan for repairs to save this structure. Monitor outlet headwall and fill slope for stability.								
GENERAL	PEng's Comment:	MB Jan 2023: P.Eng. to review site in 2023 to determine plan for moving forward with repair of the culvert. continue to monitor outlet wingwalls, fill slope, scour, and concrete abrasion along the base of the culvert.								
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 2023/01/06 12:25:15				

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