



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-014	Structure Name:	KV-014	Road Name:		Inspection Date:	2022/09/23
KM:	94.20	User km:	94.20	Crossing Name:	Weird Creek	Next Inspection Date:	2023/09/01
Project File ID #:	REC3197	Br.	PEN-KVR	Forest District:	Rec Dist - Kootenay-Boundary		
Culvert Type:	Box			Culvert Material:	Other		
Inlet Cover (mm):	5,000			Outlet Cover (mm):	5,000		
Footing Type:				Gradient (%):			
Culvert Length (metres):	40.0	Opening Height (mm):	1,600	Opening Width (mm):	1,800		
UTM Zone:	11	UTM Easting:	348684	UTM Northing:	5491807		
Inspector Name:	Rudi van der Merwe			Year Superstructure Installed:			
Access:	Beaverdell						

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 approx 25m inlet - 30m outlet
Floor	Fair	Deeply scoured with floorbars visible
Footing	Not Applicable	
Head Wall	Poor	Headwall and wingwall rbus large crack, seperating from structure. Also Lbds wingwall large crack.
Inlet	Fair	Headwall and wingwall at risk of collapse
Outlet	Fair	Wingwall at risk of collapse, backed up
Overall	Fair	Risk of failure at both inlet and outlet
Riprap	Poor	None
Roof	Fair	Significant cracking observed at 70m

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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Site #:	KV-014	Structure Name:	KV-014	Road Name:		Inspection Date:	2022/09/23			
Side Walls	Fair	Scoured with some cracking and flaking								
Trash Rack	Fair	Steel tower used as trashrack, bedload and debris accumulating against it.								
Wiers/Backwater Structures	Not Applicable									
Wing Wall	Poor	Headwall and wingwall rbus large crack, seperating from structure.								
CHANNEL	Estimated Present Water Level Depth:		0.1		Estimated Present Water Level Width:		2.5			
	Estimated High Water Level Clearance:		1.0							
HAZARDS	High Water:	No	Scour:	No	Ice:	No	Debris:	Yes	Aggradation:	Yes
	Comment:	Steel tower used as trashrack, bedload and debris accumulating against it.								
REPAIRS	#	Status	Priority	Estimate	Description					
	1	Required	Medium	\$ 0.00	Consider obtaining engineerd plan for concrete repairs to save this structure.					
MONITORS	#	Description								
	1	Monitor cracking and risk of collapse at inlet headwall and wingwall and outlet wingwall.								
GENERAL	Inspector's Comment:	Structure is in fair to poor condition. Singificant cracking noted in inlet headwall and wingwall, as well as outlet wingwall. At risk of collaps. Large crack in roof section at 70m. Backed up for last 10m approx. Floor scoured throughout floorbars and reinforcing visible. No holes noted. Consider obtaining engineerd plan for concrete repairs to save this structure. Length 85m. 1.9m wide, 1.6m rise.								
GENERAL	PEng's Comment:	P.Eng. Review planned for 2023 to determine extent of damage and ability to repair or replace the structure.								
GENERAL	Estimated Load Restriction (year):				Estimated Replacement (year):					
	Current Inspection Load Rating:	See footnote	Design Load GVW (tonnes):				Design Vehicle Config.:			
	Professional Inspection Required?	Yes	Report Status:	Reviewed By Michael Burnett on 2023/04/18 14:40:48						

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