



BC Ministry of Forests and Range

Major Culvert Inspection Report

Page 1 of 2
Date Printed: 2016/01/25
User Id: IDIRJOLMSTED
Database: PROD
Report Id: CBR001C
File:

Structure #:	G6-541	Site #:	G6-541	Road Name:	COMMUNITY CONNECTOR	Inspection Date:	2015/08/29
KM:	12.90	User km:	12.90	Crossing Name:	unnamed	Next Inspection Date:	2018/08/29
Project File ID #:	10663	Br.	01	Forest District:	Mackenzie Natural Resource District		
Culvert Type:	Open Bottom			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	3,930			Outlet Cover (mm):	3,930		
Footing Type:	Steel Footing			Gradient (%):			
Culvert Length (metres):	23.0	Opening Height (mm):	1,270	Opening Width (mm):	2,440		
UTM Zone:	10	UTM Easting:	481598	UTM Northing:	6103960		
Inspector Name:	Edward Folk			Year Superstructure Installed:	2010		
Access:							

APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	N/A
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	N/A
Delineator Missing Right (approaching structure)	0	N/A
Fender Condition	None	
Road Surface	Fair	fill slopes eroding badly

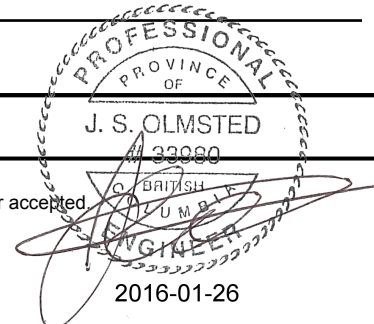
CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Good	
Coupled Connections	Not Applicable	
Coating	Good	
Embedment Materials	Good	
Fill	Fair	major ravelling
Floor	Not Applicable	
Footing	Poor	both metal footings are completely exposed as are rock strip footings, rock strip footings are starting to be undermined
Head Wall	Not Applicable	
Inlet	Unrated	too much rock and large downed brush
Outlet	Poor	scoured out

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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Overall	Poor	footings are exposed and being undermined								
Riprap	Good									
Roof	Good									
Side Walls	Good									
Trash Rack	Not Applicable									
Wiers/Backwater Structures	Not Applicable									
Wing Wall	Not Applicable									
CHANNEL	Estimated Present Water Level Depth:		0.3		Estimated Present Water Level Width:		1.7			
	Estimated High Water Level Clearance:		1.2							
HAZARDS	High Water:	Yes	Scour:	Yes	Ice:	No	Debris:	No	Aggradation:	No
	Comment:	heavy scour due to faast water and footings not below stream thalweg. larger structure should have been placed in the streambed to allow material to build up and be captured								
REPAIRS	#	Status	Priority	Estimate	Description					
	2	Not Required	High	100,000.00	remove pipe and place bridge or larger Arch and install correctly					
MONITORS	#	Description								
	1	inspect during anticipated high seasonal flows as footings are completely exposed and are starting to be undermined								
GENERAL	Inspector's Comment:	heavy scour due of stream bottom now footings are completely exposed and are starting to undermine rock strip footings, so when this happens structure will fail. larger structure should have been placed in the streambed to allow material to build up and be captured								
GENERAL	PEng's Comment:	Culvert material was reinstalled by Mount Milligan (November 2015). Will continue to monitor to see if the repair holds. If the material is washed out again then this culvert will most likely need to be rebuilt or upgraded to a new type of structure.								
GENERAL	Replacement Date for full log haul traffic (year):			2050		Replacement Date for light vehicle traffic (year):				
	Current Inspection Load Rating:		91		Design Load GVW (tonnes):		91		Design Vehicle Config.: L100	
	Professional Inspection Required?		No		Report Status:		Reviewed By Jason Olmsted on 1/25/2016 1:19:15PM			

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