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ACTIVE

14
Sep 9

BC Ministry of
Forests and Range

**Corporate Bridge Register (CBR)
Structure Inventory Data Form
"CULVERTS"**

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GENERAL	
*Structure #: <u>42336</u>	*Site #:
*Type/Class: ☒ Major Culvert ☐ Woodbox/Log Culvert	Crossing Name:
*Forest District: <u>CHILLWACK</u>	Management Area:
*Forest Service Road: <u>STONE RIVER</u>	Kilometres: <u>7.3</u>
*Project File ID#: <u>8013</u>	*Br. <u>01</u>
Built For: ☐ BC Timber Sales ☐ Operations Division ☐ Other Commercial Users ☐ Road Permit Holder ☐ Road Use Permit Holder	
*Source: ☐ Inherited: Found Structure ☐ Inherited: From Oil & Gas/ ☐ Inherited: Non-Status Road ☐ Other Ministry ☐ Inherited: Reallocation ☐ Inherited: Transfers from ☐ New Structure ☐ Other Ministries ☐ Replacement Structure	
Year Built:	Year Added to Inventory:
Current Load Rating GVW (tonnes): (PEng to enter / update this value on structure details screen in CBR)	Design Load Rating GVW (tonnes): (Typically obtained from design drawings)
Design Vehicle Configuration: ☐ BCL625 ☐ CL625 ☐ L100 ☐ L120 ☐ L150 ☐ L165 ☐ L45 ☐ L60 ☐ L75 ☐ L90 ☐ Other	
*Primary User Client Number:	*Client Location Code:
Primary User Name:	
As Built Information on File? ☐ Yes ☐ No	
Installation Cost (\$):	Material Cost (\$):
Portable Structure? ☐ Yes ☐ No	
REPLACEMENT DETAILS	
Original Replacement (year):	Estimated Closure (year):
Light Vehicle Traffic Replacement (year):	*Full Log Haul Traffic Replacement (year): (PEng to review and evaluate Inspector's estimate, and to enter /update this value on structure details screen in CBR).
Estimated Replacement Cost (\$):	
Replacement Cost Comments:	

* Denotes Mandatory Information for Corporate Bridge Register

CC-2336



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STRUCTURAL DETAILS		
*Culvert Number: <u>1</u> of 1	*Culvert Length (metres): 12.5	Gradient: <u>-2%</u>
*Culvert Type (not required for woodbox/log): ☐ Box ☒ Elliptical ☐ Open Bottom ☐ Round		*Culvert Material: ☐ Concrete ☐ Corrugated Steel ☐ Log ☐ Other ☐ Steel Non-Corrugated
Inlet Cover Depth (mm): <u>450</u>	Outlet Cover Depth (mm): <u>800</u>	
*Opening Height (mm): <u>1800</u>	*Opening Width (mm): <u>2300</u>	
Headwall Location: ☐ Both ☐ Inlet ☒ None ☐ Outlet		Open Bottom Substructure (not required for woodbox/log culvert): ☐ Cast in Place Concrete Footing ☐ Lock-Block Footing ☐ Piles ☐ Precast Concrete Footing ☐ Steel Footing
Comments:		



Routine Condition Culvert Inspection Form

GENERAL INFORMATION			
*Site #: <u>CIC - 2336</u>	*Crossing Name:	(enter either long/lat or UTM below- not both)	
*Structure #:		*Type/Class: ☒ Major Culvert ☐ Woodbox/Log Culvert	*Project File ID# <u>8013</u> *Br. <u>01</u>
*FSR Name: <u>STAVE RIVER</u>	*Forest District: <u>CHILQUACK</u>	*Kilometres: <u>7.3</u>	User km:
Longitude: (ddd / mm / ss.s) <u>49 28 30.43</u>		UTM Easting	UTM Northing
Latitude: (ddd / mm / ss.s) <u>122 13 20.0</u>		UTM Zone <u>OR</u>	

LEFT/RIGHT APPROACHES (as seen facing downstream) E = excellent; G = good; F = fair; P = poor; N/A = not appl., UR = Unrated		
Item	Present Condition (circle or fill-in)	Comments (a comment is mandatory if condition "Poor" is selected)
Alignment	E G <u>(F)</u> P UR	
Bridge Ahead Signs Missing	0 1 <u>(2)</u>	
Brushing Required	Yes <u>(No)</u>	
Delineator Missing Left	0 1 <u>(2)</u>	
Delineator Missing Right	0 1 <u>(2)</u>	
Fender Condition	E G F P <u>(None)</u> UR	
Posted Load Rating	<u>(tonnes)</u> or <u>(None)</u>	
Road Surface	E <u>(G)</u> F P UR	

GENERAL CULVERT ITEMS		
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)
Baffles (N/A to woodbox/log culvert)	E G F P <u>(N/A)</u> UR	
Bolted Connections (N/A to woodbox/log culvert)	E G <u>(F)</u> P N/A UR	
Coupled Connections (N/A to woodbox/log culvert)	E G F P <u>(N/A)</u> UR	
Coating (N/A to woodbox/log culvert)	E G <u>(F)</u> P N/A UR	<u>SOME RUST ON FLOOR</u>
Embedment Materials (N/A to woodbox/log culvert)	E G F P <u>(N/A)</u> UR	
Fill	E G <u>(F)</u> P UR	
Roof	E G <u>(F)</u> P UR	
Side Walls	E G <u>(F)</u> P UR	
Floor	E G <u>(F)</u> P N/A UR	<u>SOME RUST</u>
Head Walls	E G F P <u>(N/A)</u> UR	
Wing Walls	E G F P <u>(N/A)</u> UR	
Inlet	E G <u>(F)</u> P UR	
Outlet	E G <u>(F)</u> P UR	
Overall	E G <u>(F)</u> P UR	
Riprap	E G <u>(F)</u> P N/A UR	
Trash Rack	E G F P <u>(N/A)</u> UR	
Wells/Backwater Structures	E G F P <u>(N/A)</u> UR	
Footling (N/A to woodbox/log culvert)	E G F P <u>(N/A)</u> UR	

LOG CULVERTS ONLY			
Stringer #	Stringer Rot Depth (mm)	Diameter (mm)	Stringer Species
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			



BC Ministry of Forests and Range
Routine Condition Culvert Inspection Form

GENERAL INFORMATION									
*Site #: <u>CL-2336</u>		*Structure #:							
LOG CULVERTS ONLY (continued)									
Stringer #	Stringer Rot Depth (mm)	Diameter (mm)	Stringer Species	Comments (a comment is mandatory if condition "Poor" is selected)					
13									
14									
15									
16									
17									
18									
19									
20									
21									
Comments									
Stream CHANNEL									
*Est. Present Water Level Depth <u>4</u> (m)		*Est. Present Water Level Depth <u>4</u> (m)		*Est. Present Water Level Depth <u>1.2</u> (m)					
HAZARDS (circle yes or no for each item)									
High Water?	Yes <u>(No)</u>	Scour?	Yes <u>(No)</u>	Ice?	Yes <u>(No)</u>	Debris?	Yes <u>(No)</u>	Aggradation?	Yes <u>(No)</u>
Comments									
REPAIRS: ☐ Recommended ☐ Not required (H = High, M = Medium, L = Low)									
Repair Item #	*Priority (circle)	*Estimate (\$)		*Repair Description					
1	H M L								
2	H M L								
3	H M L								
*Monitoring Status: ☐ Recommended ☐ Not required									
Monitor Item #	*Monitor Description								
1									
2									
PHOTO LOG									
Photo #	Description	Photo #	Description						
	RIGHT TO LEFT								
	LEFT TO RIGHT								
	FRONT VIEW								
	BACK VIEW								
INSPECTOR TO COMPLETE THIS SECTION									
As-built Drawings Checked?	Yes <u>(No)</u>	P Eng Inspection Required?	Yes <u>(No)</u>	Inspector's Estimate of Full Log Haul Traffic Replacement Date (year):					
				(P Eng to review and evaluate inspector's estimate and to update "Full Log Haul Traffic Replacement (year)" on structure details screen in CBR)					
*Date of Inspection (yyyy/mm/dd)	2010-09-10	*Inspection Company Name	Insite Engineering Ltd.	*Inspector's Name (print)	Ali Sadeghi	Inspector's Signature			
Inspector's Comments									
PROFESSIONAL ENGINEER (PENG) TO COMPLETE THIS SECTION									
Current Load Rating GVW (tonnes):	68	Date of Next Planned Inspection (yyyy/mm/dd)				2013/09/01			
(P Eng to update structure details screen in CBR as necessary)									
Reviewer Company Name	MNRO	Reviewed by - P Eng's Name (print)	G. Dohm	Reviewed by - P Eng's Signature		Date Reviewed (yyyy/mm/dd)		2010/12/09	
P Eng Reviewer's Comments									

* Denotes Mandatory Information for Corporate Bridge Register



CK2336 Right to left



CK2336 Left to right



CK2336 Inlet



CK2336 Outlet