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BC Ministry of Forests and Range

Corporate Bridge Register (CBR)

Structure Inventory Data Form "CULVERTS"

GENERAL	
*Structure #:	*Site #: CK - 2372
*Type/Class: ☑ Major Culvert ☐ Woodbox/Log Culvert	Crossing Name:
*Forest District: CHILLIWACK	Management Area:
*Forest Service Road: STAVE RIVER	Kilometres: 26.7
*Project File ID#: 8013	*Br. 01
Built For: ☐ BC Timber Sales ☐ Other Commercial Users ☐ Road Use Permit Holder ☐ Operations Division ☐ Road Permit Holder	
*Source: ☐ Inherited: Found Structure ☐ Inherited: Non-Status Road ☐ Inherited: Reallocation ☐ New Structure ☐ Replacement Structure ☐ Inherited: From Oil & Gas/ Other Ministry ☐ Inherited: Transfers from Other Ministries	
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

CK-2872

BC Ministry of Forests and Range

Corporate Bridge Register (CBR)

Structure Inventory Data Form "CULVERTS"

STRUCTURAL DETAILS		
*Culvert Number: 1 of 1	*Culvert Length (metres): 14.0	Gradient: -5%

*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): 1900	Outlet Cover Depth (mm): 900
*Opening Height (mm): 3300	*Opening Width (mm): 1900
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:	

BC Ministry of Forests and Range

Routine Condition Culvert Inspection Form

GENERAL INFORMATION

(enter either long/lat or UTM below– not both)

*Site #: CK-2372 *Structure #:	*Crossing Name:	*Type/Class: ☑ Major Culvert ☐ Woodbox/Log Culvert	*Project File ID# B013 *Br. 01
*FSR Name: STAVE RIVER	*Forest District: CHILLIWACK	*Kilometres: 2.67	User km:

Longitude: (ddd / mm / ss.s)	Latitude: (ddd / mm / ss.s)	OR	UTM Zone	UTM Easting	UTM Northing
49 34 31.5	122 22 08.8				

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) F P UR	
Bridge Ahead Signs Missing	0 1 (2)	
Brushing Required	Yes (No)	
Delineator Missing Left	0 1 (2)	
Delineator Missing Right	0 1 (2)	
Fender Condition	E G F P (None) UR	
Posted Load Rating	_____(tonnes) or (None)	NOT POSTED
Road Surface	E G (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 (N/A) UR	
Bolted Connections (N/A to woodbox/log culvert)	E G (F) P N/A UR	
Coupled Connections (N/A to woodbox/log culvert)	E G F P (N/A) UR	
Coating (N/A to woodbox/log culvert)	E G (F) P N/A UR	SMALL AMOUNT OF SURFACE RUST
Embedment Materials (N/A to woodbox/log culvert)	E G F P (N/A) UR	
Fill	E (G) F P UR	
Roof	E (G) F P UR	
Side Walls	E (G) F P UR	
Floor	E G (F) P N/A UR	SOME RUST
Head Walls	E G F P (N/A) UR	
Wing Walls	E G F P (N/A) UR	
Inlet	E G F P UR	
Outlet	E (G) F P UR	SMALL AMOUNT OF DEBRIS ACCUMULATION
Overall	E (G) F P UR	
Riprap	E (G) F P N/A UR	
Trash Rack	E G F P (N/A) UR	
Weirs/Backwater Structures	E G F P (N/A) UR	
Footing (N/A to woodbox/log culvert)	E G F P (N/A) UR	

LOG CULVERTS ONLY

Stringer #	Stringer Rot Depth (mm)	Diameter (mm)	Stringer Species	Comments (a comment is mandatory if condition "Poor" is selected)
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 #: CK-2372 | *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 0.1 (m) | *Est. Present Water Level Depth (WIDTH) 0.8 (m) | *Est. Present Water Level Depth (H2O) 1.5 (m)

HAZARDS (circle yes or no for each item))

High Water? Yes (No) | Scour? Yes (No) | Ice? Yes (No) | Debris? (Yes) No | Aggradation? Yes (No)

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		
	INLET		
	OUTLET		

INSPECTOR TO COMPLETE THIS SECTION

As-built Drawings Checked? Yes (No)

P Eng Inspection Required? Yes (No)

Inspector's Estimate of Full Log Haul Traffic Replacement Date (year):
(PEng 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)	*Inspection Company Name	*Inspector's Name (print)	Inspector's Signature
2010-09-10	Onsite Engineering Ltd	Ali Sadeghi	

Inspector's Comments

PROFESSIONAL ENGINEER (PEng) TO COMPLETE THIS SECTION

Current Load Rating GVW (tonnes): (PEng to update structure details screen in CBR as necessary) 68

Date of Next Planned Inspection (yyyy/mm/dd) 2013/09/01

Reviewer Company Name	Reviewed by - PEng's Name (print)	Reviewed by - PEng's Signature	Date Reviewed (yyyy/mm/dd)
MNRO	G. Dohm	Greg Dohm	2010/09/01

PEng Reviewer's Comments

* Denotes Mandatory Information for Corporate Bridge Register

CK2372 Right to left

CK2372 Left to right

CK2372 Inlet

CK2372 Outlet