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ACTIVE

Sep 10

(1)



BC Ministry of
Forests and Range

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

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GENERAL	
*Structure #:	*Site #: CK 2343
*Type/Class: ☒ Major Culvert ☐ Woodbox/Log Culvert	Crossing Name:
*Forest District: CHILLIWACK	Management Area:
*Forest Service Road: STAVE RIVER	Kilometres: 28.1
*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

FS1343 HEG Aug 3, 2010



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CK-2343

STRUCTURAL DETAILS		
*Culvert Number: 1 of 1	*Culvert Length (metres): 11.5	Gradient: 2%
*Culvert Type (not required for woodbox/log): ☐ Box ☐ Open Bottom ☒ Elliptical ☐ Round		*Culvert Material: ☐ Concrete ☐ Log ☐ Steel Non-Corrugated ☒ Corrugated Steel ☐ Other <i>Horizontal section</i>
Inlet Cover Depth (mm): 1700	Outlet Cover Depth (mm): 1700	
*Opening Height (mm): 2600	*Opening Width (mm): 2600	
Headwall Location: ☐ Both ☒ None ☐ Inlet ☐ 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 #: CK-2343	*Crossing Name:	*Type/Class: ☒ Major Culvert ☐ Woodbox/Log Culvert	(enter either long/lat or UTM below— not both)	
*Structure #:			*Project File ID# 8013	*Br. 01
*FSR Name: STAVE RIVER	*Forest District: CHILLIWACK	*Kilometres: 28.1	User km:	
Longitude: (ddd / mm / ss.s) 49 34 24.5	UTM Easting	UTM Northing		
Latitude: (ddd / mm / ss.s) 122 23 9.5	OR			

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)	N/A 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	
Embedment Materials (N/A to woodbox/log culvert)	E G F P (N/A) UR	
Fill	E G (F) P UR	1m upstream 1.4m downstream
Roof	E G (F) P UR	
Side Walls	E G (F) P UR	
Floor	E G (F) P N/A UR	
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	
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	
Footings (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				



Routine Condition Culvert Inspection Form

GENERAL INFORMATION									
*Site #: <u>K-2343</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>2.1</u> (m)		*Est. Present Water Level Depth <u>0.3</u> (m)		*Est. Present Water Level Depth <u>1.0</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 <u>sand collecting at outlet</u>									
REPAIRS:									
Repair Item #	*Priority (circle)	☐ Recommended		☐ Not required (H = High, M = Medium, L = Low)		*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								
	FROM UPSTREAM								
	FROM DOWNSTREAM								
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	Onsite Engineering Ltd.		*Inspector's Name (print)	Ali Sacalovic		
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			
(PEng to update structure details screen in CBR as necessary)									
Reviewer Company Name	MNRO		Reviewed by - PEng's Name (print)	G. Dohm		Reviewed by - PEng's Signature	[Signature]		
Date Reviewed (yyyy/mm/dd)		2010/12/09							
PEng Reviewer's Comments									

* Denotes Mandatory Information for Corporate Bridge Register



CK2343 Right to left



CK2343 Left to right



CK2343 Inlet



CK2343 Outlet