

Aug 20 0

DEACTIVATED



BC Ministry of
Forests and Range

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

GENERAL	
*Structure #: <i>5</i>	*Site #: <i>CK-2373</i>
*Type/Class: ☒ Major Culvert ☐ Woodbox/Log Culvert	Crossing Name:
*Forest District: <i>Chilliwack</i>	Management Area:
*Forest Service Road: <i>SIMS CRK</i>	Kilometres: <i>3.8</i>
*Project File ID#: <i>6314</i>	*Br. <i>07</i>
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

CK 2373



BC Ministry of
Forests and Range

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

STRUCTURAL DETAILS		
*Culvert Number: <u>1</u> of 1	*Culvert Length (metres): <u>10.5</u>	Gradient: <u>-5%</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>600</u>	Outlet Cover Depth (mm): <u>600</u>	
*Opening Height (mm): <u>1500</u>	*Opening Width (mm): <u>1500</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: <u>NOT A MAJOR STRUCTURE. IT'S LESS THAN</u> <u>2000 mm in DIAMETER</u>		



Routine Condition Culvert Inspection Form

GENERAL INFORMATION				(enter either long/lat or UTM below - not both)		
*Site #: <u>CK 2373</u>	*Crossing Name:	*Type/Class: ☒ Major Culvert ☐ Woodbox/Log Culvert	*Project File ID# <u>6314</u>			
*Structure #:			*Br. <u>07</u>			
*FSR Name: <u>SIMS CKC.</u>	*Forest District: <u>Chilliwack</u>	*Kilometres: <u>3.8</u>	User km:			
Longitude: (ddd / mm / ss.s) <u>49 25 45.6</u>	☒ OR	UTM Zone	UTM Easting	UTM Northing		
Latitude: (ddd / mm / ss.s) <u>121 52 43.5</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 ☒ F P UR					
Bridge Ahead Signs Missing	☒ 1 2					
Brushing Required	Yes ☒ No					
Delineator Missing Left	☒ 1 2					
Delineator Missing Right	☒ 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	SOME ON FLOOR				
Embedment Materials (N/A to woodbox/log culvert)	E G F P ☒ N/A UR					
Fill	E G ☒ F P UR	WOULD NEED MORE FILL. THE DOWNSTREAM FILL SLOPE IS VERY STEEP & IS RAVELLING				
Roof	E G F ☒ P UR	BADLY DAMAGED MOST LIKELY DUE TO INSTALL.				
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	INADEQUATE RIP RAP				
Outlet	E G ☒ F P UR	SOME SLOAK				
Overall	E G ☒ F P UR					
Riprap	E G ☒ F P N/A UR	RIP RAP NEEDED AT BOTH INLET & OUTLET				
Trash Rack	E G ☒ F P N/A UR	INADEQUATE RIP RAP ON INLET				
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						



Routine Condition Culvert Inspection Form

GENERAL INFORMATION

*Site #: CK 2373

*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 (m)

*Est. Present Water Level Depth 0 (m)

*Est. Present Water Level Depth 1.0 (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 SCOUR AT OUTLET DUE TO LACK OF ARMCHURCH

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	OUTLET FULL SLOPE
2	

PHOTO LOG

Photo #	Description	Photo #	Description
	INLET, RZ. 1		FROM LEFT TO RIGHT
	DAMAGE RWD		RIGHT TO LEFT
	OUTLET		
	SCOUR AT 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):

(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)

2010-08-20

*Inspection Company Name

Onsite Engineering Ltd.

*Inspector's Name (print)

Ali Sadeghi

Inspector's Signature

Inspector's Comments

PROFESSIONAL ENGINEER (P Eng) TO COMPLETE THIS SECTION

Current Load Rating GVW (tonnes):

136

Date of Next Planned Inspection (yyyy/mm/dd)

NA

(P Eng to update structure details screen in CBR as necessary)

Reviewer Company Name

MNR Engineering Ltd

Reviewed by - P Eng's Name

(print) G. Dohm

Review

by G. Dohm

Date Reviewed (yyyy/mm/dd)

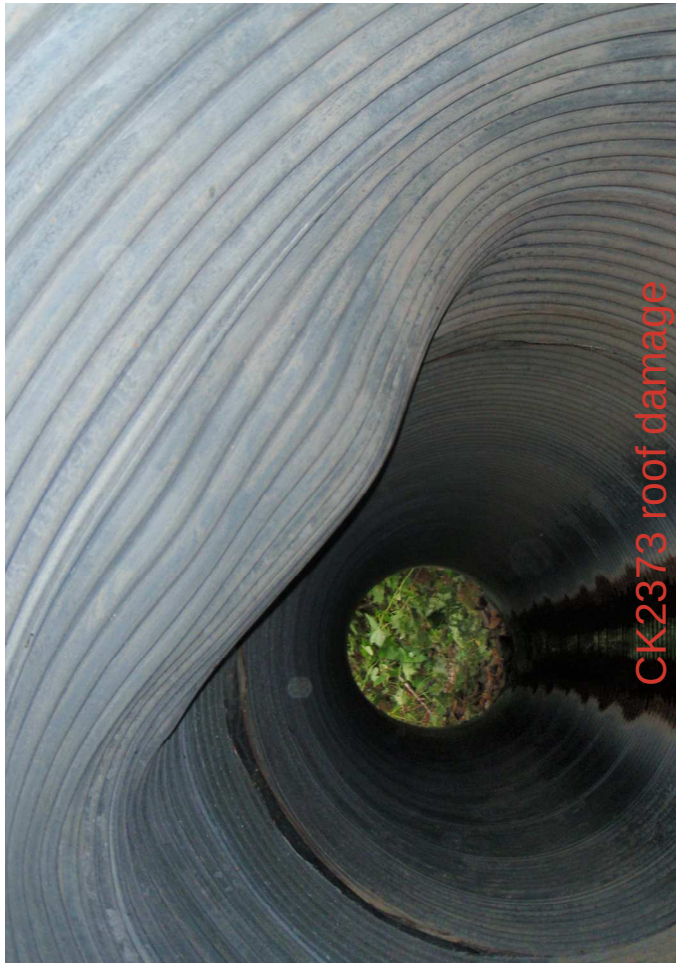
2010/12/09

P Eng Reviewer's Comments

Remove from CBR because this is not a

* Denotes Mandatory Information for Corporate Bridge Register

major culvert and road is restricted to 4WD access only.





CK2373 Scour at outlet



CK2373 Left to right



CK2373 Right to left