

ACTIVE



Sep 6

BC Ministry of
Forests and Range

Page 1 of 2

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

GENERAL

*Structure #	*Site #: CK 2306
*Type/Class: ☐ Permanent Bridge ☒ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: UTILITY CRK	Kilometres: 12.6
*Project File ID#: 7972	*Br. 01
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): <small>(PEng to enter / update this value on structure details screen in CBR)</small>	Design Load Rating GVW (tonnes): <small>(Typically obtained from design drawings)</small>
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 (\$):
REPLACEMENT DETAILS	
Original Replacement (year):	Estimated Closure (year):
Light Vehicle Traffic Replacement (year):	*Full Log Haul Traffic Replacement (year): <small>(PEng to review and evaluate inspector's estimate, and to enter /update this value on structure details screen in CBR).</small>
Estimated Replacement Cost (\$):	
Replacement Cost Comments:	

* Denotes Mandatory Information for Corporate Bridge Register



BC Ministry of
Forests and Range

Page 2 of 2

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

STRUCTURAL DETAILS

Number of Spans: <u>1</u>	Length of Spans (m) [e.g. for a 3-span bridge – 20, 35, 20]	
Number of Piers: <u> </u>	Pier Type: ☐ Concrete ☐ Crib - Timber ☐ Piles - Concrete ☐ Piles - Steel ☐ Piles - Timber Treated ☐ Piles - Timber Untreated ☐ Steel Column on Concrete Pad	
Needle Beams? ☐ Yes ☒ No	Portable Structure? ☐ Yes ☒ No	Portable Superstructure Status: ☐ Installed ☐ Storage

Portable Superstructure Storage Location:

*Bridge Length (metres): <u>6.0</u>	*Superstructure: ☐ Compo Girders ☐ Concrete Box Beam ☐ Rail Car ☐ Concrete Cast in Place ☐ Concrete I/T Beam ☐ Other ☐ Concrete Slab Girders ☐ Glulam Girder ☒ Log Stringer ☐ Steel Box Beam ☐ Steel I-Beam ☐ Steel Truss/Bailey/Acrow ☐ Timber-Treated Stringers ☐ Timber-Untreated Stringers		
*Deck Type: ☐ Concrete ☐ Concrete Composite ☒ Gravel ☐ Concrete Removable ☐ Concrete - Steel Free ☐ Steel ☐ Timber-Treated ☐ Timber-Untreated ☐ Other ☐ Timber-Treated Panels ☐ Timber-Untreated Panels			*Deck Width (metres): <u>5.1</u>

*Running Surface: ☐ Anti-Skid ☐ Asphalt ☐ Concrete ☒ Gravel ☐ Not Available ☐ Timber Planks			
--	--	--	--

*Left Abutment: ☐ Binwall ☐ Concrete Cast in Place ☐ Concrete Lock Blocks ☐ Concrete Precast ☒ Crib, Log or Untreated Timber ☐ Other ☐ Pile-Temporary Materials ☐ Pile-Permanent Materials ☐ Sill-Permanent Materials ☐ Sill-Temporary Materials ☐ Steel Pipe & Precast Pad	*Right Abutment: ☐ Binwall ☐ Concrete Cast in Place ☐ Concrete Lock Blocks ☐ Concrete Precast ☒ Crib, Log or Untreated Timber ☐ Other ☐ Pile-Temporary Materials ☐ Pile-Permanent Materials ☐ Sill-Permanent Materials ☐ Sill-Temporary Materials ☐ Steel Pipe & Precast Pad
--	---

Comments: <u>OLD CRIB RETAINING FILL.</u>
--

**Routine Condition Bridge Inspection Form**
(for log stringer or timber stringer bridges)

GENERAL INFORMATION		(enter either long/lat or UTM below – not both)	
*Site #: <u>CK-2306</u>	*Crossing Name:	*Type/Class: ☐ Major Culvert ☒ Woodbox/Log Culvert	*Project File ID# <u>7972</u>
*Structure #:			*Br. <u>1</u>
*FSR Name: <u>UTLUB CRK</u>	*Forest District: <u>ChilliWack</u>	*Kilometres: <u>12.6</u>	User km:
Longitude: (ddd / mm / ss.s) <u>49 43 28.6</u>	☒ UTM Zone	UTM Easting	UTM Northing
Latitude: (ddd / mm / ss.s) <u>121 16 56.2</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>P</u> UR		
Bridge Ahead Signs Missing	0 1 <u>2</u>		
Brushing Required	<u>Yes</u> No		
Delineator Missing Left	<u>0</u> 1 2		
Delineator Missing Right	<u>0</u> 1 2		
Fender Condition	E G F P <u>(None)</u> UR	<u>IN PLACE FENDERS</u>	
Posted Load Rating	(tonnes) or None	<u>NOT POSTED</u>	
Road Surface	E G <u>P</u> UR		
LEFT/RIGHT ABUTMENTS (as seen facing downstream)			
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)	
Log/Timber Cribbs	E G F <u>P</u> N/A UR	<u>OLD CRB RETAINING FILL -</u>	
Tie-backs	E G F P <u>N/A</u> UR		
Bin Wall	E G F P <u>N/A</u> UR		
Concrete (cast in place; lock blocks, precast)	E G F P <u>N/A</u> UR		
Caps or Sills	E <u>G</u> F P N/A UR	<u>NEW SILLS INSTALLED TOO CLOSE TO OLD CRIBS.</u>	
Piles or Posts	E G F P <u>N/A</u> UR		
Ballast Wall	E G F P <u>N/A</u> UR		
Wing Wall	E G F P <u>N/A</u> UR		
Bracing	E G F P <u>N/A</u> UR		
Hardware	E <u>G</u> F P N/A UR	<u>SILL LASHED TO OUTSIDE STRINGERS</u>	
Fill	E <u>G</u> F P N/A UR		
Riprap	E G F <u>P</u> N/A UR	<u>INADEQUATE RIP RAP ON RIGHT ABVT.</u>	
Bearings	E <u>G</u> F P N/A UR		
Corrosion Protection	E G F P <u>N/A</u> UR		
Span 1 of 1 (spans are numbered consecutively starting from the left abutment) Use "Additional Spans" Sheet for Multiple Spans			
DECK			
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)	
Running Surface (N/A if running surface is gravel or timber planks)	E G F P <u>N/A</u> UR		
Running Planks	E G F P <u>N/A</u> UR		
Sub-deck	E G F P <u>N/A</u> UR		
Ties	E G F P <u>N/A</u> UR		
Nails	E G F P <u>N/A</u> UR		
Deck to Girder Bolts	E G F P <u>N/A</u> UR		
Concrete Deck	E G F P <u>N/A</u> UR		
Grout Pockets	E G F P <u>N/A</u> UR		
Deck Joints	E G F P <u>N/A</u> UR		
Steel Deck Plate	E G F P <u>N/A</u> UR		
Gravel Surface	E <u>G</u> F P N/A UR		
Gravel Deck Depth	<u>0.8</u> metres or N/A		
Curb Rail/Blocks/Posts	E G <u>F</u> P UR		
Handrails/Walkouts	E G F P <u>N/A</u> UR		
Hardware	E G F P <u>N/A</u> UR		
Overall Deck Condition	E G <u>F</u> P UR		

**Routine Condition Bridge Inspection Form**
(for log stringer or timber stringer bridges)

GENERAL INFORMATION									
*Site #: <u>CK-2306</u>					*Structure #:				
SUPERSTRUCTURE (stringers numbered from upstream side of bridge)									
Item		Present Condition (circle)			Comments (in comment is mandatory if condition "Poor" is selected)				
Log Curbs		E G F P UR							
Needle Beams and Shims		E G F P N/A UR							
Stringer #	Wood Species	Peel? (circle)	Diameter (mm) or Width x Depth (mm x mm)	Rot Depth Bottom (mm)	Rot Depth Side (mm)	Rot Depth Top (mm)	Comments		
1	FL	Y N	530				NEW STRINGERS ALL SOUND.	11 FL 460	
2		Y N	480					12 " " 540	
3		Y N	430					13 " " 470	
4		Y N	460					14 " " 440	
5		Y N	480						
6		Y N	460						
7		Y N	370						
8		Y N	460					L=6.0m	
9		Y N	390					Gravel=0.8m	
10		Y N	470						
Stream CHANNEL									
*Est. Present Water Level Depth <u>6.3</u> (m)			*Est. Present Water Level Depth <u>50</u> (m)			*Est. Present Water Level Depth <u>1.8</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>RIGHT CRIB.</u>									
REPAIRS: ☐ Recommended ☐ Not required (H = High, M = Medium, L = Low)									
Repair Item #	*Priority (circle)	*Estimate (\$)	*Repair Description						
1	H M L		INSTALL FENDER LOGS						
2	H M L								
3	H M L								
*Monitoring Status: ☐ Recommended ☐ Not required									
Monitor Item #	*Monitor Description								
1	RIGHT CRIB FOR SCOUR + UNDERMINED.								
2									
PHOTO LOG									
Photo #	Description	Photo #	Description						
	RIGHT TO LEFT		RIGHT ABUT						
	LEFT TO RIGHT		LEFT ABUT						
	UPSTREAM		UNDERNEATH						
	DOWNSIDE		SCOUR UNDER RIGHT CRIB						
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 as necessary).					
*Date of Inspection (yyyy/mm/dd)		*Inspection Company Name Onsite Engineering LTD.		*Inspector's Name (print) Ali Sadehghi		Inspector's Signature			
Inspector's Comments OLD CRIB STILL SOUND BUT, NEW SILL INSTALLED TOO CLOSE TO OLD CRIB, RIGHT CRIB IS BEING BADLY UNDERMINED.									
PROFESSIONAL ENGINEER TO COMPLETE THIS SECTION									
Current Load Rating GVW (tonnes): (P Eng to update structure details screen in CBR as necessary)				Date of Next Planned Inspection (yyyy/mm/dd) 2011/09/01					
Reviewed by - P Eng's Name (print) Onsite Engineering LTD		Reviewed by - P Eng's Name (print) G. Dohm		Reviewer Greg Dohm		Date Reviewed (yyyy/mm/dd) 2010/12/08			
P Eng Reviewer's Comments Additional fill was added since last inspection.									

Scour under right crib must be monitored regularly especially after storm events to ensure sill log is supported.



CK2306 Right to left



CK2306 Left to right



CK2306 From upstream



CK2306 From downstream



CK2306 Right abutment



CK2306 Left abutment



CK2306 Underneath



CK2306 scour downstream right abutment