

BARRICADE - APPROACH WASHED OUT.



BC Ministry of
Forests and Range

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

GENERAL	
*Structure #	*Site #: CK- 2014
*Type/Class: ☐ Permanent Bridge ☒ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: CANTELON CRK	Kilometres: 8.2
*Project File ID#: 8124	*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): (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 (\$):
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



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

CK-2014

STRUCTURAL DETAILS

Number of Spans: <u>1</u>	Length of Spans (m) [e.g. for a 3-span bridge – 20, 35, 20] <u>11.5</u>	
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>12.1</u> <u>(40')</u>	*Superstructure: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> ☐ Compo Girders ☐ Concrete Cast in Place ☐ Concrete Slab Girders ☐ Log Stringer ☒ Steel I-Beam ☐ Timber-Treated Stringers </div> <div style="width: 33%;"> ☐ Concrete Box Beam ☐ Concrete I/T Beam ☐ Glulam Girder ☐ Steel Box Beam ☐ Steel Truss/Bailey/Acrow ☐ Timber-Untreated Stringers </div> <div style="width: 33%;"> ☐ Rail Car ☐ Other </div> </div>		
*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>4.3</u>	

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

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

GENERAL INFORMATION			
*Site #: CK-2014		*Structure #:	
SUPERSTRUCTURE			
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)	
Girders	E G F P UR	2 x STEEL I-BEAM	
Diaphragms	E G F P N/A UR		
Bracing	E G F P N/A UR		
Under-trussing	E G F P N/A UR		
Hardware	E G F P N/A UR		
Welded / Grouted Shear Connectors	E G F P N/A UR		
Stream CHANNEL			
*Est. Present Water Level Depth 2.3 (m)		*Est. Present Water Level Depth 4.0 (m)	*Est. Present Water Level Depth 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		REPLACE RUNNING SURFACE
2	H M L		
3	H M L		
*Monitoring Status: ☐ Recommended ☐ Not required			
Monitor Item #	*Monitor Description		
1	OLD CPB, COMPROMISING NEW SILL ABUTMENT.		
2			
PHOTO LOG			
Photo #	Description	Photo #	Description
	LEFT TO RIGHT X2		LEFT ABUT
	RIGHT DECIL X2		RIGHT ABUT
	RIGHT TO LEFT		CLIMB DOWN STREAM
	FROM UPSTREAM		
INSPECTOR TO COMPLETE THIS SECTION			
As-built Drawings Checked?	P Eng Inspection Required?	Inspector's Estimate of Full Log Haul Traffic Replacement Date (year):	
Yes No	Yes No	(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)	*Inspection Company Name	*Inspector's Name (print)	Inspector's Signature
2010-09-02	Onsite Engineering Ltd	Ali Sadeghi	
Inspector's Comments			
PROFESSIONAL ENGINEER (P Eng) TO COMPLETE THIS SECTION			
Current Load Rating GVW (tonnes):		Date of Next Planned Inspection (yyyy/mm/dd)	
zero		Not applicable	
(P Eng to update structure details screen in CBR as necessary)			
Reviewer Company Name	Reviewed by - P Eng's Name (print)	Reviewed by - P Eng's Signa	Date Reviewed (yyyy/mm/dd)
Onsite Engineering LTD	MNRO	G. Dohm	2010/11/15
P Eng Reviewer's Comments			
Close bridge - please remove or replace bridge or barricade.			

* Denotes Mandatory Information for Corporate Bridge Register

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

GENERAL INFORMATION				(enter either long/lat or UTM below - not both)			
*Site #: <u>CK-2014</u>	*Crossing Name:	*Type/Class: ☒ Temporary bridge ☐ Permanent bridge	*Project File ID# <u>8014</u>				
*Structure #:			*Br. <u>01</u>				
*FSR Name: <u>CANTERON CRK</u>	*Forest District: <u>Chilliwack</u>	*Kilometres: <u>8.2</u>	User km:				
Longitude: (ddd / mm / ss.s) <u>49 13 54.2</u>	☒ OR ☐	UTM Zone	UTM Easting	UTM Northing			
Latitude: (ddd / mm / ss.s) <u>121 28 18.4</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 2						
Brushing Required	Yes <u>(No)</u>						
Delineator Missing Left	0 <u>(1)</u> 2						
Delineator Missing Right	<u>(0)</u> 1 2						
Fender Condition	E G <u>(F)</u> P None UR	NO POST BRACKETS.					
Posted Load Rating	(tonnes) or None	NOT POSTED					
Road Surface	E G <u>(F)</u> P UR						
LEFT/RIGHT ABUTMENTS (as seen facing downstream)							
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)					
Log/Timber Crib	E G <u>(F)</u> P N/A UR	OLD CRIB IN FRONT OF SILL RETAINING					
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 G <u>(F)</u> P N/A UR	SOME ROT.					
Piles or Posts	E G F P <u>(N/A)</u> UR						
Ballast Wall	E G <u>(F)</u> P N/A UR	TIMBER					
Wing Wall	E G F P <u>(N/A)</u> UR						
Bracing	E G F P <u>(N/A)</u> UR						
Hardware	E G F P <u>(N/A)</u> UR						
Fill	E G F <u>(P)</u> N/A UR	FILL IN LEFT ABUT HAS BEEN EXCAVATED?					
Riprap	E G F P <u>(N/A)</u> UR						
Bearings	E G F P N/A UR						
Corrosion Protection	E G F P N/A UR						
Span 1 of <u>1</u> (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 (pick if running surface is gravel or timber planks)	E G F P <u>(N/A)</u> UR						
Running Planks	E G F <u>(P)</u> N/A UR	ROTTEN DECK. 4" x 12"					
Sub-deck	E G F P <u>(N/A)</u> UR						
Ties	E G F <u>(P)</u> N/A UR	ROTTEN. TIMBER - 200 x 250 mm					
Nails	E G <u>(F)</u> P N/A UR	SOME STICKING OUT.					
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 G F P <u>(N/A)</u> UR						
Gravel Deck Depth	metres or <u>N/A</u>						
Curb Rail/Blocks/Posts	E G F <u>(P)</u> UR	ROTTEN TIMBER.					
Handrails/ Walkouts	E G F P <u>(N/A)</u> UR						
Hardware	E G <u>(F)</u> P N/A UR						
Overall Deck Condition	E G F <u>(P)</u> UR						

FILL THE LEFT ABUT FILL IS VERY ROTTEN AND COULD POTENTIALLY FAIL COMPROMISING NEW SILL FOOTING

NEW SILL

FAILING CRIB

2-2.5m hole!



CK2014 Left to right



CK2014 Left to right 2



CK2014 Damaged deck



CK2014 Damaged deck 2



CK2014 Right to left



CK2014 From upstream



CK2014 Left abutment



CK2014 Underneath



CK2014 Right abutment



CK2014 From downstream