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 BC Ministry of Forests and Range	Page 1 of 2
Corporate Bridge Register (CBR) Structure Inventory Data Form "BRIDGES"	

592 7

GENERAL	
*Structure #	*Site #: CK-2016
*Type/Class: ☒ Permanent Bridge ☐ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: CANELON CKK	Kilometres: 9.1
*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): <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

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CK-2016

STRUCTURAL DETAILS

Number of Spans:

1

Length of Spans (m) [e.g. for a 3-span bridge – 20, 35, 20]

8.5

Number of Piers:

—

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):

9.14
(30')

*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):

*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:

**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-2016</u>	*Crossing Name:	*Type/Class: ☐ Temporary bridge ☒ Permanent bridge	*Project File ID# <u>B124</u>
*Structure #:			*Br. <u>01</u>
*FSR Name: <u>CANTELON CRK.</u>	*Forest District: <u>Chilliwack</u>	*Kilometres: <u>9.1</u>	User km:
Longitude: (ddd / mm / ss.s) <u>49 12 53.3</u>	OR	UTM Easting	UTM Northing
Latitude: (ddd / mm / ss.s) <u>121 28 44.1</u>	UTM Zone		

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> P UR	
Bridge Ahead Signs Missing	0 1 <u>(2)</u>	
Brushing Required	<u>(Yes)</u> No	RIGHT APPROACH
Delineator Missing Left	0 1 <u>(2)</u>	
Delineator Missing Right	0 <u>(1)</u> 2	
Fender Condition	E G <u>(F)</u> P None UR	DOWNSTREAM LEFT ABUT. FENDER MISSING.
Posted Load Rating	(tonnes) or None	NOT POSTED.
Road Surface	E G F <u>(P)</u> UR	FILL

LEFT/RIGHT ABUTMENTS (as seen facing downstream)

Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)
Log/Timber Cribs	E G <u>(F)</u> <u>(P)</u> N/A UR	2x CRIB SEVERLY SLOURED + UNDERMINED.
Tie-backs	E G <u>(P)</u> <u>(P)</u> N/A UR	3x TIE BACKS
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 F <u>(P)</u> N/A UR	ROTTEN TIMBER SILLS.
Piles or Posts	E G F P <u>(N/A)</u> UR	
Ballast Wall	E G <u>(P)</u> P N/A UR	LOG TOP EXPOSED ON LEFT ABUTMENT.
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	SEVER SLOUR + FILL FAILURE BEHIND CRIBS.
Riprap	E G F <u>(P)</u> N/A UR	N/A RIP RAP
Bearings	E G F <u>(P)</u> N/A UR	ROTTEN SILLS
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 N/A UR	
Running Planks	E G <u>(F)</u> <u>(P)</u> N/A UR	3" x 10" TIMBER = SOME ROTTEN.
Sub-deck	E G F P <u>(N/A)</u> UR	
Ties	E G F <u>(P)</u> N/A UR	8" x 8" ROTTEN
Nails	E G <u>(F)</u> P N/A 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 G F P <u>(N/A)</u> UR	
Gravel Deck Depth	metres or N/A	
Curb Rail/Blocks/Posts	E G F <u>(P)</u> UR	UPSTREAM DAMAGED + ROTTEN
Handrails/Walkouts	E G F P <u>(N/A)</u> UR	
Hardware	E G F <u>(P)</u> N/A UR	LONG.
Overall Deck Condition	E G F <u>(P)</u> UR	

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

GENERAL INFORMATION			
*Site #: CK2016		*Structure #:	
SUPERSTRUCTURE			
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)	
Girders	E G F (P) UR	4 X STEEL - I-BEAM = 3rd I-BEAM FROM UPSTREAM.	
Diaphragms	E G F P (N/A) UR	BOTTOM FLANGE	
Bracing	E G (F) P N/A UR	SEVERELY DISTORTED	
Under-trussing	E G F P (N/A) UR	THE WEB STILL LOOK	
Hardware	E G F P (N/A) UR	STABLE.	
Welded / Grouted Shear Connectors	E G F P (N/A) UR		
Stream CHANNEL			
*Est. Present Water Level Depth 0.5 (m)		*Est. Present Water Level Depth 3.0 (m)	*Est. Present Water Level Depth 0.5 (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 EVIDENCE OF HW + DEBRIS UP & ABOVE GIRDERS.			
REPAIRS: ☐ Recommended ☐ Not required (H = High, M = Medium, L = Low)			
Repair Item #	*Priority (circle)	*Estimate (\$)	*Repair Description
1	(H) M L		REPLACE STRUCTURE.
2	H M L		
3	H M L		
*Monitoring Status: ☐ Recommended ☐ Not required			
Monitor Item #	*Monitor Description		
1	STRUCTURE SHOULD BE INSPECTED ANNUALLY DUE TO CONDITION OF		
2	CRIB + POTENTIAL IMPACT TO FISH STREAM (FISH OBSERVED DURING INSP)		
PHOTO LOG			
Photo #	Description	Photo #	Description
	LEFT TO RIGHT		FROM DOWNSTREAM
	FULL FAILURE X2 LEFT ABUT		LEFT ABUT.
	DAMAGED RAIL		DEFLECTED I-BEAM X2
	FULL FAILURE RIGHT ABUT		FROM UPSTREAM
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) 2010-09-02	*Inspection Company Name Onsite Engineering Ltd	*Inspector's Name (print) Ali Sadeghi	Inspector's Signature
Inspector's Comments STRUCTURE IN A VERY POOR CONDITION. NO VEHICLE ACCESS! (L-I)			
PROFESSIONAL ENGINEER (P Eng) 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)	
zero		Not applicable	
Reviewer Company Name Onsite Engineering LTD MNRO	Reviewed by - P Eng's Name (print) G. Dohm	Reviewed by - P Eng's Signature 	Date Reviewed (yyyy/mm/dd) 2010/11/15
P Eng Reviewer's Comments Close bridge - please remove or replace bridge or barricade.			

* Denotes Mandatory Information for Corporate Bridge Register



CK2016 Left to right



CK2016 Fill slope failure



CK2016 Damaged rail



CK2016 Damaged rail 2



CK2016 Fill slope failure 3 right abutment



CK2016 Fill slope failure 2 right abutment



CK2016 From downstream



CK2016 Left abutment



CK2016 deformed ibeam 2



CK2016 deformed ibeam



CK2016 From upstream



CK2016 right abutment scour



CK2016 left abutment scour 2



CK2016 left abutment scour



CK2016 left abutment scour 3



CK2016 HW evidence



CK2016 deformed ibeam 3