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BC Ministry of
Forests and Range

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Sep 7

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

GENERAL	
*Structure #	*Site #: CK-2116
*Type/Class: ☐ Permanent Bridge ☒ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: Harrison East	Kilometres: 64.4
*Project File ID#: 5748	*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

CK-2116

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

STRUCTURAL DETAILS			
Number of Spans: /	Length of Spans (m) [e.g. for a 3-span bridge – 20, 35, 20] 15.9		
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): 15.9	*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): 5.9
*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**
(for log stringer or timber stringer bridges)

GENERAL INFORMATION				(enter either long/lat or UTM below - not both)			
*Site #: <u>CR-2146</u>	*Crossing Name:	*Type/Class: ☐ Major Culvert ☒ Woodbox/Log Culvert	*Project File ID# <u>5748</u>		*Br. <u>01</u>		
*Structure #:	*Forest District: <u>ChilliWack</u>	*Kilometres: <u>64.4</u>	User km:				
*FSR Name: <u>Harrison East</u>	*Forest District: <u>ChilliWack</u>	*Kilometres: <u>64.4</u>	User km:				
Longitude: (ddd / mm / ss.s) <u>49 49 07.9</u>	☒ OR	UTM Zone	UTM Easting	UTM Northing			
Latitude: (ddd / mm / ss.s) <u>121 53 15.3</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 <u>(2)</u>						
Brushing Required	<u>(Yes)</u> No						
Deflector Missing Left	0 1 <u>(2)</u>						
Deflector Missing Right	0 1 <u>(2)</u>						
Fender Condition	E G <u>(F)</u> P None UR		<u>NO FENDERS ON LEFT APPROACH</u>				
Posted Load Rating	(tonnes) or None <u>(None)</u>		<u>NOT POSTED</u>				
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 Cribs	E G <u>(F)</u> P N/A UR		<u>2x CRIB CLOSED TIED - LARGE CHECKS</u>				
Tie-backs	E G F P N/A UR		<u>2x</u>				
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 P <u>(N/A)</u> UR						
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 <u>(F)</u> P N/A UR		<u>LOG</u>				
Bracing	E G F P <u>(N/A)</u> UR						
Hardware	E G F P N/A UR		<u>LAMBS AT SANDS. LASHING LOOSE</u>				
Fill	E G <u>(F)</u> P N/A UR						
Riprap	E G F P <u>(N/A)</u> UR						
Bearings	E G F <u>(P)</u> N/A UR		<u>LEFT ABUT. BOTTOM LOG BEARS DIRECTLY ON POTENTIAL TIEBACK. NOT ON GROUND. SEE PHOTOS</u>				
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 G <u>(F)</u> P N/A UR		<u>NOT ENOUGH FILL</u>				
Gravel Deck Depth	<u>0.4</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 <u>(F)</u> P N/A 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-2116</u>				*Structure #:			
SUPERSTRUCTURE (stringers numbered from upstream side of bridge)							
Item	Present Condition (circle)			Comments (a comment is mandatory if condition "Poor" is selected)			
Log Curbs	E G F P UR						
Needle Beams and Shims	E G F <u>P</u> N/A UR			NOT PROPERLY LASHED.			
Stringer #	Wood Species	Pealed? (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 <u>N</u>	75	300			
2	"	Y <u>N</u>	120	200			
3	"	Y <u>N</u>	120	150			
4	"	Y <u>N</u>	116				ROTTEN - CUNKS
5	"	Y <u>N</u>	120	150			
6	"	Y <u>N</u>	110	200			
7	"	Y <u>N</u>	120	200			L=16.0m
8	"	Y <u>N</u>	110	400			Gravel=0.4m
9		Y <u>N</u>					
10		Y <u>N</u>					2 needle beams not properly lashed.
Stream CHANNEL							
*Est. Present Water Level Depth <u>1.5</u> (m)		*Est. Present Water Level Depth <u>6</u> (m)		*Est. Present Water Level Depth <u>3</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>
Comments							
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							
2							
PHOTO LOG							
Photo #	Description	Photo #	Description				
	RIGHT TO LEFT		LEFT ABUT				
	LEFT TO RIGHT		CUNK ON #4 x2				
	UPSTREAM		RIGHT ABUT				
	DOWNSTREAM		UNDERNEATH				
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 as necessary).			
*Date of Inspection (yyyy/mm/dd) <u>2010-09-07</u>		*Inspection Company Name Onsite Engineering LTD.		*Inspector's Name (print) Ali Sadehghi		Inspector's Signature 	
Inspector's Comments STRINGERS & ABUT IN POOR CONDITION. THE BEAKING ON THE LEFT ABUTMENT SHOULD BE CHECKED BY A P. Eng.							
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) <u>2011/09/11</u>			
Reviewed by - P Eng's Name (print) M. Dohm		Reviewed by - P Eng's Signature 		Date Reviewed (yyyy/mm/dd) <u>2010/10/29</u>			
P Eng Reviewer's Comments Close bridge by barricades or remove bridge.							



CK2216 Right to left



CK2216 Left to right



CK2216 From upstream



CK2216 From downstream



CK2216 Left abutment



CK2216 Cunk on stringer #4



CK2216 Right abutment



CK2216 Underneath



CK2216 Cunk on stringer #4 pic2



CK2216 Poor bearing upstream left abutment