

ACTIVE



BC Ministry of
Forests and Range

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

#116

GENERAL	
*Structure #	*Site #: CK 2302
*Type/Class: ☐ Permanent Bridge ☒ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: 6276105 CRK	Kilometres: 35.4
*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): (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"

STRUCTURAL DETAILS

Number of Spans: 1	Length of Spans (m) [e.g. for a 3-span bridge – 20, 35, 20]	
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): 5.1	*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		
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*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
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*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**
(for log stringer or timber stringer bridges)**GENERAL INFORMATION**

(enter either long/lat or UTM below -- not both)

*Site #: <u>CK-2302</u>	*Crossing Name:	*Type/Class: ☐ Major Culvert ☒ Woodbox/Log Culvert	*Project File ID# <u>7972</u>
*Structure #:			*Br. <u>01</u>
*FSR Name: <u>UZZLIUS CRK</u>	*Forest District: <u>ChilliWack</u>	*Kilometres: <u>35.4</u>	User km:
Longitude: (ddd / mm / ss.s) <u>49 51 21.7</u>	☒ OR	UTM Zone	UTM Easting
Latitude: (ddd / mm / ss.s) <u>121 10 38.1</u>			UTM Northing

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 <u>(G)</u> F P UR	
Bridge Ahead Signs Missing	0 1 <u>(2)</u>	
Brushing Required	Yes <u>(No)</u>	
Delineator Missing Left	0 1 2	
Delineator Missing Right	0 1 2	
Fender Condition	E G F P <u>(None)</u> UR	
Posted Load Rating	(tonnes) or None	<u>NOT POSTED</u>
Road Surface	E <u>(G)</u> F 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 F P <u>(N/A)</u> UR	
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 <u>(N/A)</u> UR	<u>SINGLE LOG SILLS w/ 100mm OF CAP ROT.</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 G <u>(F)</u> P <u>(N/A)</u> UR	<u>OUTSIDE STRINGERS LAKED TO SILL</u>
Fill	E G F <u>(P)</u> <u>(N/A)</u> UR	<u>VERY LITTLE FILL.</u>
Riprap	E G F P <u>(N/A)</u> UR	
Bearings	E G <u>(F)</u> P <u>(N/A)</u> 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 G F <u>(P)</u> <u>(N/A)</u> UR	
Gravel Deck Depth	<u>0.2</u> metres or N/A	<u>VERY LITTLE FILL.</u>
Curb Rail/Blocks/Posts	E G <u>(F)</u> P UR	<u>OLD LOG.</u>
Handrails/Walkouts	E G F P <u>(N/A)</u> UR	
Hardware	E G <u>(F)</u> P <u>(N/A)</u> UR	<u>OUTSIDE STRINGERS LAKED</u>
Overall Deck Condition	E G F <u>(P)</u> UR	<u>DUE TO LACK OF FILL & ROTTED STRINGERS</u>

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

GENERAL INFORMATION								
*Site #: <u>CK-2302</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 <u>F</u> P UR		LASHED TO OUTSIDE STRINGERS				
Needle Beams and Shims		E G F P <u>(N/A)</u> 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	EL	Y <u>N</u>	720				ROTTEN	
2	SX	Y <u>N</u>	710	150				
3	FL	Y <u>N</u>	530	100				
4	U	Y <u>N</u>	620				ROTTEN	
5	U	Y <u>N</u>	620				ROTTEN	
6	U	Y <u>N</u>	630				ROTTEN	
7	U	Y <u>N</u>	620				ROTTEN	
8	U	Y <u>N</u>	710	190				
9	U	Y <u>N</u>	620				ROTTEN	
10	U	Y <u>N</u>	680				ROTTEN	
Stream CHANNEL								
*Est. Present Water Level Depth <u>0.1</u> (m)		*Est. Present Water Level Depth <u>2</u> (m)		*Est. Present Water Level Depth <u>0.3</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>	
Aggradation?								Yes <u>No</u>
Comments								
REPAIRS: ☐ Recommended ☐ Not required (H = High, M = Medium, L = Low)								
Repair Item #	*Priority (circle)	*Estimate (\$)	*Repair Description					
1	<u>H</u> M L		REPLACE STRUCTURE					
2	<u>H</u> M L		POST LOAD LIMIT.					
3	H M L							
*Monitoring Status: ☐ Recommended ☐ Not required								
Monitor Item #	*Monitor Description							
1								
2								
PHOTO LOG								
Photo #	Description			Photo #	Description			
	RIGHT TO LEFT				RIGHT ABOUT			
	LEFT TO RIGHT				LEFT ABOUT			
	UPSTREAM				UNDERNEATH			
					DOWN STREAM			
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): (PEng 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>2010-09-06</u>		*Inspection Company Name Onsite Engineering LTD.		*Inspector's Name (print) Ali Sadehghi		Inspector's Signature 		
Inspector's Comments STRINGERS IN VERY POOR CONDITION. POST STRUCTURE LOAD LIMIT.								
PROFESSIONAL ENGINEER TO COMPLETE THIS SECTION								
Current Load Rating GVW (tonnes): (PEng to update structure details screen in CBR as necessary)				Date of Next Planned Inspection (yyyy/mm/dd) <u>NA</u>				
Reviewer Company Name Onsite Engineering LTD.		Reviewed by - PEng's Name (print) G. Dohm		Review 		Date Reviewed (yyyy/mm/dd) 2010/12/08		
PEng Reviewer's Comments Rotten wood box culvert. Recommend barricading, removing or replacing immediately. Remove from CBR.								



CK2302 Right to left



CK2302 Left to right



CK2302 From upstream



CK2302 Right abutment



CK2302 Left abutment



CK2302 Underneath



CK2302 From downstream