

ACTIVE

BC Ministry of
Forests and Range

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

GENERAL	
*Structure #	*Site #: CK-2120
*Type/Class: ☐ Permanent Bridge ☒ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: BEAR CRK	Kilometres: 7
*Project File ID#: 5748	*Br. 03
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

CK2120



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STRUCTURAL DETAILS			
Number of Spans:	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): 601	*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): 6.5
*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>CK-2120</u>	*Crossing Name:	*Type/Class: ☐ Major Culvert ☒ Woodbox/Log Culvert	*Project File ID# <u>5708</u>		*Br. <u>03</u>		
*Structure #:	*Forest District: <u>Chilliwack</u>	*Kilometres: <u>7.0</u>	User km:				
*FSR Name: <u>BEAR CK</u>							
Longitude: (ddd / mm / ss.s) <u>119 27 20.8</u>		UTM Zone	UTM Easting	UTM Northing			
Latitude: (ddd / mm / ss.s) <u>49 12 16.5</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	Yes	<u>(No)</u>					
Delineator Missing Left	0	1 <u>(2)</u>					
Delineator Missing Right	0	1 <u>(2)</u>					
Fender Condition	E	G <u>(F)</u> P None UR	<u>LOGS</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 Crib	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 F <u>(P)</u> N/A UR	<u>OLD C/S SILL LOGS, SCOUR UNDER BOTH SILLS.</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 F P <u>(N/A)</u> UR					
Fill	E	G <u>(F)</u> P N/A UR					
Riprap	E	G F <u>(P)</u> N/A UR	<u>MORE RIPRAP NEEDED</u>				
Bearings	E	G <u>(F)</u> 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	G <u>(F)</u> P N/A UR	<u>SOME PIDDLES FORMING</u>				
Gravel Deck Depth	<u>0.6</u> metres or N/A						
Curb Rail/Blocks/Posts	E	G <u>(F)</u> P UR	<u>LOGS BUT NOT PINNED OR LASHED TO STRINGERS.</u>				
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)

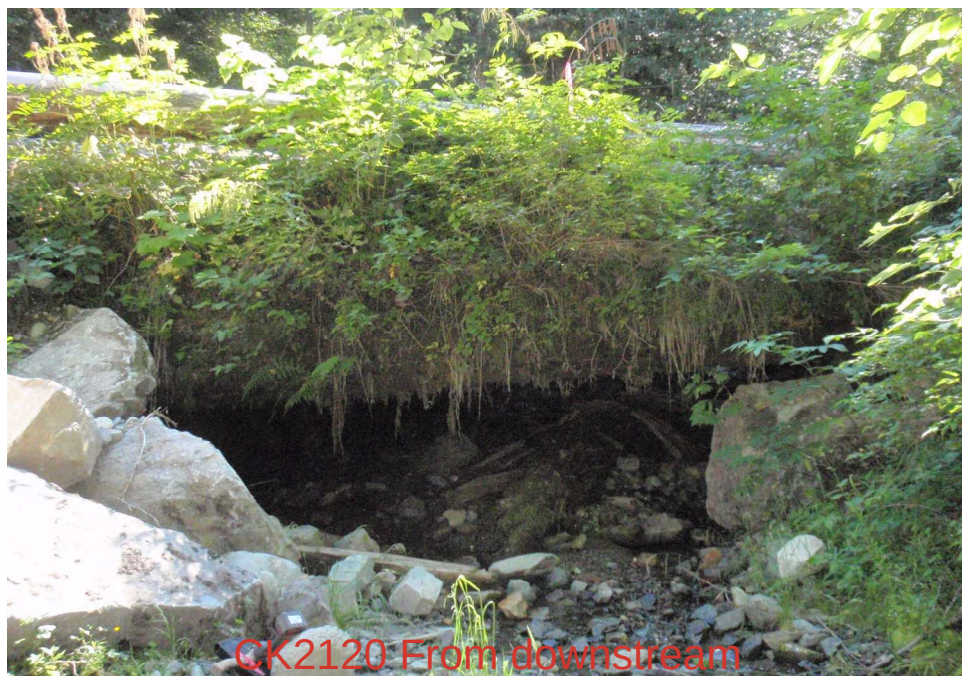
GENERAL INFORMATION							
*Site #: CK-2120				*Structure #:			
SUPERSTRUCTURE (stringers numbered from upstream side of bridge)							
Item	Present Condition (circle)			Comments (a comment is mandatory if condition "Poor" is selected)			
Log Curbs	E G <u>P</u> UR						
Needle Beams and Shims	E G F <u>P</u> <u>NIA</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	CW	<u>P</u> N	950	60			
2	CW	<u>P</u> N	700	60			SLAB ON TOP OF STRINGER
3	YC	<u>P</u> N	420	60			SLAB ON TOP OF STRINGER
4	CW	<u>P</u> N	690	120			
5	YC	<u>P</u> N	790	120			
6	YC	<u>P</u> N	1060	50			
7	YC	<u>P</u> N	650	50			L=6.1m
8	YC	<u>P</u> N	570	30			Gravel=0.6m
9	YC	<u>P</u> N	780	30			
10	YC	<u>P</u> N	640	30			
Stream CHANNEL							
*Est. Present Water Level Depth <u>0.1</u> (m)		*Est. Present Water Level Depth <u>0.5</u> (m)		*Est. Present Water Level Depth <u>0</u> (m)			
HAZARDS (circle yes or no for each item)							
High Water?	<u>Yes</u> No	Scour?	<u>Yes</u> No	Ice?	Yes <u>No</u>	Debris?	<u>Yes</u> No
Comments: SILLS, UNDERMINED, ALMOST NO HW CLEARANCE. DEBRIS JAM & SLIGHT AGGRADATION.							
REPAIRS: ☐ Recommended ☐ Not required (H = High, M = Medium, L = Low)							
Repair Item #	*Priority (circle)	*Estimate (\$)	*Repair Description				
1	<u>H</u> M L		POST LOAD LIMIT FOR STRUCTURE				
2	H M L						
3	H M L						
*Monitoring Status: ☐ Recommended ☐ Not required							
Monitor Item #	*Monitor Description						
1	DEBRIS JAM BELOW STRUCTURE.						
2							
PHOTO LOG							
Photo #	Description	Photo #	Description				
	FROM LEFT TO RIGHT		DEBRIS X3				
	FROM RIGHT TO LEFT		RIGHT ABUT				
	FROM DOWN STREAM		LEFT ABUT				
			FROM UPSTREAM				
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) 2010-08-18		*Inspection Company Name Onsite Engineering LTD.		*Inspector's Name (print) Ali Sadehghi		Inspector's Signature 	
Inspector's Comments STRUCTURE NOT SUITABLE FOR INDUSTRIAL HAULING.							
PROFESSIONAL ENGINEER TO COMPLETE THIS SECTION							
Current Load Rating GVW (tonnes): 41 (P Eng to update structure details screen in CBR as necessary)				Date of Next Planned Inspection (yyyy/mm/dd) 2012/09/01			
Reviewer Company Name Onsite Engineering LTD		Reviewed by - P Eng's Name (print) G. Dohm		Revised by 		Date Reviewed (yyyy/mm/dd) 2010/10/29	
P Eng Reviewer's Comments Downrate to 41 tonnes or L45. Please post.							



CK2120 Left to right



CK2120 Right to left



CK2120 From downstream



CK2120 Debris jam



CK2120 Debris jam2



CK2120 scour below sills



CK2120 scour below sills 2



CK2120 Right abutment



CK2120 Poor stringer



CK2120 Left abutment



CK2120 From upstream