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BC Ministry of
Forests and Range

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

GENERAL	
*Structure #	*Site #: CK - 2015
*Type/Class: ☐ Permanent Bridge ☒ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: CANTELON CRK	Kilometres: 9.0
*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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CK-2015

STRUCTURAL DETAILS

Number of Spans: <u>1</u>	Length of Spans (m) [e.g. for a 3-span bridge – 20, 35, 20] <div style="text-align: center;"><u>6.8,</u></div>		
Number of Piers: <div style="text-align: center;"><u>—</u></div>	Pier Type: <div style="display: flex; justify-content: space-between;"> <div> ☐ Concrete ☐ Piles - Concrete ☐ Piles - Timber Treated ☐ Steel Column on Concrete Pad </div> <div> ☐ Crib - Timber ☐ Piles - Steel ☐ Piles - Timber Untreated </div> </div>		
Needle Beams? ☐ Yes ☒ No	<table border="0" style="width: 100%;"> <tr> <td style="width: 33%;"> Portable Structure? ☐ Yes ☒ No </td> <td style="width: 67%;"> Portable Superstructure Status: ☐ Installed ☐ Storage </td> </tr> </table>	Portable Structure? ☐ Yes ☒ No	Portable Superstructure Status: ☐ Installed ☐ Storage
Portable Structure? ☐ Yes ☒ No	Portable Superstructure Status: ☐ Installed ☐ Storage		

Portable Superstructure Storage Location:

*Bridge Length (metres): <div style="text-align: center;"><u>9.14</u> (30')</div>	<table border="0" style="width: 100%;"> <tr> <td style="width: 33%;"> *Superstructure: ☐ Compo Girders ☐ Concrete Cast in Place ☐ Concrete Slab Girders ☐ Log Stringer ☒ Steel I-Beam ☐ Timber-Treated Stringers </td> <td style="width: 33%;"> ☐ Concrete Box Beam ☐ Concrete I/T Beam ☐ Glulam Girder ☐ Steel Box Beam ☐ Steel Truss/Bailey/Acrow ☐ Timber-Untreated Stringers </td> <td style="width: 33%;"> ☐ Rail Car ☐ Other </td> </tr> </table>	*Superstructure: ☐ Compo Girders ☐ Concrete Cast in Place ☐ Concrete Slab Girders ☐ Log Stringer ☒ Steel I-Beam ☐ Timber-Treated Stringers	☐ Concrete Box Beam ☐ Concrete I/T Beam ☐ Glulam Girder ☐ Steel Box Beam ☐ Steel Truss/Bailey/Acrow ☐ Timber-Untreated Stringers	☐ Rail Car ☐ Other
*Superstructure: ☐ Compo Girders ☐ Concrete Cast in Place ☐ Concrete Slab Girders ☐ Log Stringer ☒ Steel I-Beam ☐ Timber-Treated Stringers	☐ Concrete Box Beam ☐ Concrete I/T Beam ☐ Glulam Girder ☐ Steel Box Beam ☐ Steel Truss/Bailey/Acrow ☐ Timber-Untreated Stringers	☐ Rail Car ☐ Other		

*Deck Type: <div style="display: flex; justify-content: space-between;"> <div> ☐ Concrete ☐ Concrete Removable ☐ Timber-Treated ☐ Timber-Treated Panels </div> <div> ☐ Concrete Composite ☐ Concrete - Steel Free ☐ Timber-Untreated ☒ Timber-Untreated Panels </div> <div> ☐ Gravel ☐ Steel ☐ Other </div> </div>	*Deck Width (metres): <div style="text-align: center;"><u>4.1</u></div>
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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:

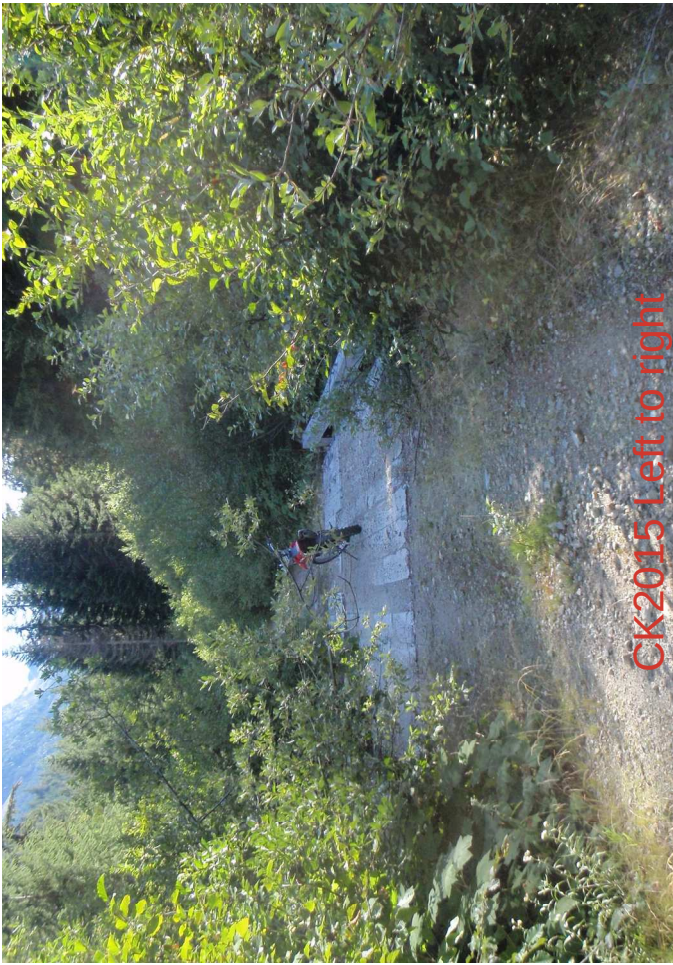
**Routine Condition Bridge Inspection Form**
(except for log stringer or timber stringer bridges)

GENERAL INFORMATION				(enter either long/lat or UTM below – not both)	
*Site #: <u>CK-2015</u>	*Crossing Name:	*Type/Class: ☒ Temporary bridge ☐ Permanent bridge	*Project File ID# <u>8124</u>		
*Structure #:			*Br. <u>01</u>		
*FSR Name: <u>CANTERLOW CRK</u>	*Forest District: <u>Chilliwack</u>	*Kilometres: <u>9.0</u>	User km:		
Longitude: (ddd / mm / ss.s) <u>49 12 55.9</u>	☒ OR ☐ UTM Zone	UTM Easting	UTM Northing		
Latitude: (ddd / mm / ss.s) <u>121 28 47.2</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				
Delineator Missing Left	0 1 <u>(2)</u>				
Delineator Missing Right	0 1 <u>(2)</u>				
Fender Condition	E G F <u>(P)</u> None UR	<u>ROTTEN LOGS</u>			
Posted Load Rating	(tonnes) or <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>RIGHT ABUT: 2x CLOSED FACED. LEFT ABUT 2x CLOSED FACED. SOME ROT.</u>			
Tie-backs	E G <u>(F)</u> P N/A UR	<u>3x</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 <u>(P)</u> N/A UR	<u>TIMBER SILLS ARE ROTTEN. (TIMBER SILL ON TOP OF CRIBS).</u>			
Piles or Posts	E G F P <u>(N/A)</u> UR				
Ballast Wall	E G <u>(F)</u> P N/A UR	<u>LOG.</u>			
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 P <u>(N/A)</u> UR	<u>NO RIPRAP.</u>			
Bearings	E G F <u>(P)</u> N/A UR	<u>B/C THE SILLS ARE ROTTEN = MINOR DIFFERENTIAL SETTLING.</u>			
Corrosion Protection	E G F P <u>(N/A)</u> 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 (N/A if running surface is gravel or timber planks)	E G F P <u>(N/A)</u> UR				
Running Planks	E G <u>(F)</u> P N/A UR	<u>SOME PLANKS REPLACED WITH LAST 10 YEARS. OTHER ONES ROTTEN</u>			
Sub-deck	E G F P <u>(N/A)</u> UR				
Ties	E G F <u>(P)</u> N/A UR	<u>8" x 10" FL UNTREATED. ROTTEN</u>			
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 <u>(F)</u> P UR	<u>SOME ROT.</u>			
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	<u>ROTTEN TIEST RAILING PLANKS.</u>			

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

GENERAL INFORMATION			
*Site #: PK-2015		*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 = SOME RUST. NOT WEAKENING STEEL.	
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 0.2 (m)		*Est. Present Water Level Depth 1 (m)	*Est. Present Water Level Depth 1.0 (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 SILLS & CRIB.
2	H M L		REPLACE RUNNING SURFACE
3	H M L		
*Monitoring Status: ☐ Recommended ☐ Not required			
Monitor Item #	*Monitor Description		
1	DIFFERENTIAL SETTLING DUE TO ROTTEN SILLS.		
2			
PHOTO LOG			
Photo #	Description	Photo #	Description
	LEFT TO RIGHT		FROM DOWNSIDE
	DECK X 1		LEFT ABUT.
	TIES X 1		RIGHT ABUT.
	RIGHT TO LEFT		BRIDGE DECK
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			
PROFESSIONAL ENGINEER (P Eng) TO COMPLETE THIS SECTION			
Current Load Rating GVW (tonnes): 2 (P Eng to update structure details screen in CBR as necessary)		Date of Next Planned Inspection (yyyy/mm/dd) 2011/09/01	
Reviewer Company Name MNRO	Reviewed by - P Eng's Name (print) G. Dohm	Reviewed by - P Eng's Sign 	Date Reviewed (yyyy/mm/dd) 2010/11/15
P Eng Reviewer's Comments Downrate to 2 tonnes. Please post. Replace deck ties			

* Denotes Mandatory Information for Corporate Bridge Register and plank deck if continued recreational access is required. Also would need to replace sills and potentially cribs prior to industrial hauling.



CK2015 Left to right



CK2015 Damaged rail



CK2015 Rotten cross ties



CK2015 Right to left



CK2015 From upstream



CK2015 Left abutment

