

ACTIVE



BC Ministry of
Forests and Range

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

GENERAL	
*Structure # <u>CK-2254</u>	*Site #: <u>CK-2254</u>
*Type/Class: ☐ Permanent Bridge ☒ Temporary Bridge	Crossing Name:
*Forest District: <u>Chilliwack</u>	Management Area:
*Forest Service Road: <u>SQUEAH</u>	Kilometres: <u>6.1</u>
*Project File ID#: <u>6092</u>	*Br. <u>01</u>
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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STRUCTURAL DETAILS			
Number of Spans: <u>1</u>	Length of Spans (m) [e.g. for a 3-span bridge – 20, 35, 20] <u>15.3</u>		
Number of Piers: <u> </u>	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): <u>15.3</u>	*Superstructure: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> ☐ Compo Girders ☐ Concrete Cast in Place ☐ Concrete Slab Girders ☐ Log Stringer ☐ Steel I-Beam ☐ Timber-Treated Stringers </div> <div style="width: 33%;"> ☐ Concrete Box Beam ☐ Concrete I/T Beam ☐ Glulam Girder ☐ Steel Box Beam ☐ Steel Truss/Bailey/Acrow ☐ Timber-Untreated Stringers </div> <div style="width: 33%;"> ☒ Rail Car ☐ Other </div> </div>		
*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:			

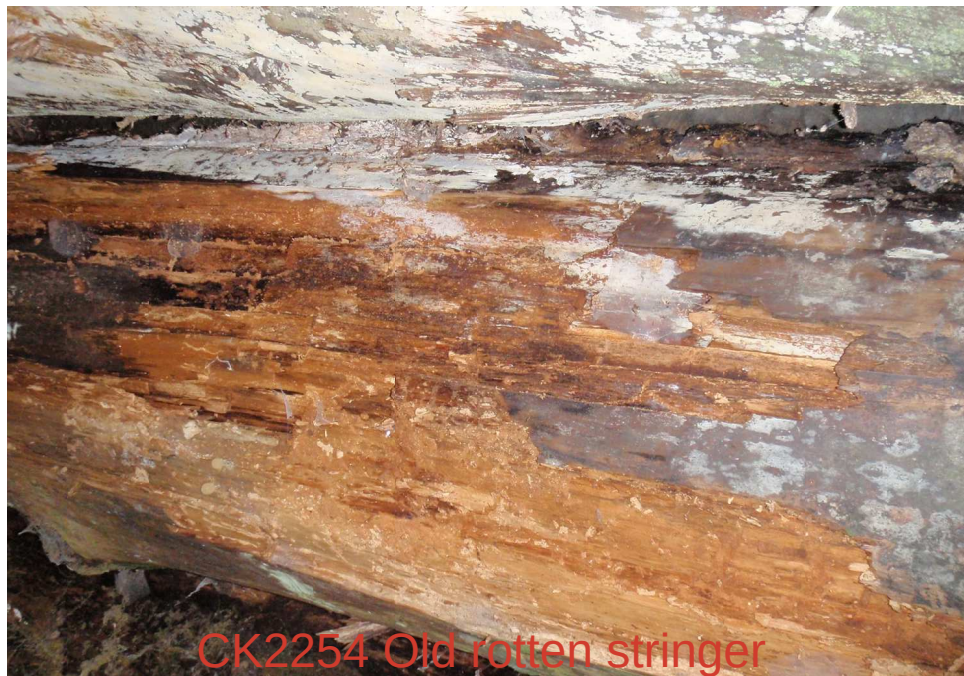
**Routine Condition Bridge Inspection Form**
(except for log stringer or timber stringer bridges)

GENERAL INFORMATION				(enter either long/lat or UTM below – not both)			
*Site #: <u>CK-2254</u>	*Crossing Name:	*Type/Class: ☒ Temporary bridge ☐ Permanent bridge	*Project File ID# <u>6092</u>				
*Structure #:			*Br. <u>01</u>				
*FSR Name: <u>SQUA4</u>	*Forest District: <u>Chilliwack</u>	*Kilometres: <u>6.1</u>	User km: <u>6.6</u>				
Longitude: (ddd / mm / ss.s) <u>97 26 26.0</u>	☒ OR ☐	UTM Zone	UTM Easting	UTM Northing			
Latitude: (ddd / mm / ss.s) <u>121 24 22.3</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	TIGHT HORIZONTAL CURVE MAKES FOR					
Bridge Ahead Signs Missing	0 1 <u>(2)</u>	POOR VIS. ON LEFT APPROACH.					
Brushing Required	<u>(Yes)</u> No						
Delineator Missing Left	0 1 <u>(2)</u>	TOO SHORT TO BE VISIBLE FROM DISTANCE					
Delineator Missing Right	0 1 <u>(2)</u>						
Fender Condition	E G <u>(F)</u> P None UR						
Posted Load Rating	(tonnes) or None	NOT POSTED					
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 <u>(P)</u> N/A UR	OLD 2x ROTTEN CRIB BEING OVERSPANNED					
Tie-backs	E G F <u>(P)</u> N/A UR	4x ROTTEN					
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 N/A UR						
Piles or Posts	E G F P <u>(N/A)</u> UR						
Ballast Wall	E G <u>(F)</u> P N/A 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	OLD CRIB HAS VERY LITTLE RIP RAP REMAINING.					
Bearings	E G <u>(F)</u> P N/A UR						
Corrosion Protection	E G F P <u>(N/A)</u> UR						
Span 1 of _____ (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	SOME ROTTEN & BADLY DAMAGED.					
Sub-deck	E G F P <u>(N/A)</u> UR	NO SUBDECK.					
Ties	E G <u>(F)</u> P N/A UR	SOME ROTTEN & SPLITTING.					
Nails	E G <u>(F)</u> P N/A UR	SOME NAILS SPLITTING OUT.					
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 <u>(N/A)</u>						
Curb Rail/Blocks/Posts	E G F <u>(P)</u> UR	DAMAGED FROM MECHANICAL IMPACT.					
Handrails/Walkouts	E G F P <u>(N/A)</u> UR						
Hardware	E G F <u>(P)</u> N/A UR	LOOSE BOLTS.					
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 #: <u>PK-2254</u>		*Structure #:	
SUPERSTRUCTURE			
Item	Present Condition (circle)		Comments (a comment is mandatory if condition "Poor" is selected)
Girders	E	G <u>(F)</u> P UR	RAIL CAR OVERSPANNING AN OLD LOG STRINGER STRUCTURE
Diaphragms	E	G F P <u>(N/A)</u> UR	} NOT VISIBLE
Bracing	E	G F P <u>(N/A)</u> UR	
Under-trussing	E	G F P <u>(N/A)</u> UR	
Hardware	E	G F P <u>(N/A)</u> UR	
Welded / Grouted Shear Connectors	E	G F P <u>(N/A)</u> UR	
Stream CHANNEL			
*Est. Present Water Level Depth <u>0.3</u> (m)		*Est. Present Water Level Depth <u>5</u> (m)	*Est. Present Water Level Depth <u>1.6</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		IN LIGHT OF L-S LOAD RATING, THE STRUCTURE SHOULD BE PISTED.
2	H M <u>(L)</u>		STRUCKERS VERY COARSE. MAY WANT THE STRUCKERS REMOVED.
3	H M L		
*Monitoring Status: ☐ Recommended ☐ Not required			
Monitor Item #	*Monitor Description		
1			
2			
PHOTO LOG			
Photo #	Description	Photo #	Description
	LEFT TO RIGHT		FROM UPSTREAM
	DAM DECK & S		RIGHT ABUT
	DAM RAIL		LEFT ABUT
	RIGHT TO LEFT		DAM. RAIL STRUCKER x2
			FROM DOWNSTREAM.
INSPECTOR TO COMPLETE THIS SECTION			
As-built Drawings Checked? Yes <u>(No)</u>		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) <u>2010-08-16</u>	*Inspection Company Name Onsite Engineering Ltd	*Inspector's Name (print) Ali Sadeghi	Inspector's Signature <u>AS</u>
Inspector's Comments STRUCTURE SHOULD BE MONITORED ANNUALLY & IF STRUCKERS HAVE FAILED, STRUCKERS REMOVED.			
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)	
<u>5</u>		<u>2011/09/01</u>	
Reviewer Company Name MNRO	Reviewed by - P Eng's Name (print) G. Dohm	Reviewed by - P Eng's Signature <u>Greg Dohm</u>	Date Reviewed (yyyy/mm/dd) 2010/11/18
P Eng Reviewer's Comments Continue with current load rating. Please post.			

* Denotes Mandatory Information for Corporate Bridge Register Welded rail car. Deck is in poor condition and underside of railcar is unable to be inspected due to overspan.



CK2254 Old rotten stringer



CK2254 From downstream



CK2254 Old rotten stringer 2



CK2254 Right abutment



CK2254 Right to left



CK2254 Left abutment



CK2254 Left to right



CK2254 From upstream



CK2254 Damage deck 5



CK2254 Damage rail



CK2254 Damage deck 3



CK2254 Damage deck

