



BC Ministry of
Forests and Range

ACTIVE

Aug 16

Page 1 of 2

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

GENERAL	
*Structure #	*Site #: CK-2253
*Type/Class: ☐ Permanent Bridge ☒ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: SQUEAH	Kilometres: 3.2
*Project File ID#: 6092	*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/ Other Ministry ☐ Inherited: Non-Status Road ☐ Inherited: Transfers from Other Ministries ☐ Inherited: Reallocation ☐ New Structure ☐ 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

Corporate Bridge Register (CBR)
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STRUCTURAL DETAILS			
Number of Spans: <u> </u>		Length of Spans (m) [e.g. for a 3-span bridge – 20, 35, 20] <u>15.1</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>15.1</u>	*Superstructure: <div style="display: flex; justify-content: space-between;"> <div> ☐ Compo Girders ☐ Concrete Cast in Place ☐ Concrete Slab Girders ☐ Log Stringer ☐ Steel I-Beam ☐ Timber-Treated Stringers </div> <div> ☐ Concrete Box Beam ☐ Concrete I/T Beam ☐ Glulam Girder ☐ Steel Box Beam ☐ Steel Truss/Bailey/Acrow ☐ Timber-Untreated Stringers </div> <div> ☒ Rail Car ☐ Other </div> </div>		
*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): <u>3.6</u>
*Running Surface: <div style="display: flex; justify-content: space-between;"> <div> ☐ Anti-Skid ☐ Not Available </div> <div> ☐ Asphalt ☒ Timber Planks </div> <div> ☐ Concrete </div> <div> ☐ Gravel </div> </div>			
*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-2253</u>	*Crossing Name:	*Type/Class: ☒ Temporary bridge ☐ Permanent bridge	*Project File ID# <u>6092</u>				
*Structure #:			*Br. <u>01</u>				
*FSR Name: <u>SQUEAK</u>	*Forest District: <u>Chilliwack</u>	*Kilometres: <u>2.7</u>	User km: <u>3.2</u>				
Longitude: (ddd / mm / ss.s) <u>49 24 54.7</u>	<u>OR</u>	UTM Zone	UTM Easting	UTM Northing			
Latitude: (ddd / mm / ss.s) <u>121 25 11.1</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>(P)</u> UR						
Bridge Ahead Signs Missing	0 1 <u>(2)</u>						
Brushing Required	<u>(Yes)</u> No		DELINEATORS & LOAD LIMIT SIGN ARE POORLY VIS.				
Delineator Missing Left	<u>(0)</u> 1 2						
Delineator Missing Right	<u>(0)</u> 1 2						
Fender Condition	E G F <u>(P)</u> None UR		FENDER ONLY INSTALLED ON UPSTREAM OF STRUCTURE				
Posted Load Rating	<u>5</u> (tonnes) or None						
Road Surface	E G F <u>(P)</u> UR		ROAD REQUIRES HEAVY GRADING				
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		LEFT ABUT: 4X LOG CRIB w/ NEW TOP FACE LOG. (250mm OF POT)				
Tie-backs	E G F <u>(P)</u> N/A UR		RIVEN X 3				
Bin Wall	E G F P <u>(N/A)</u> UR		RIGHT ABUT: 3X LOG CRIB w/ 150mm of POT CLOSED FREED.				
Concrete (cast in place, lock blocks, precast)	E G F P N/A UR		OLD CRIB				
Caps or Sills	E G F <u>(P)</u> N/A UR		NEW C/L TOP FACE LOG BEARS DIRECTLY ON				
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 <u>(P)</u> N/A UR		LOCHED BUT LARGER NOW.				
Fill	E G <u>(F)</u> P N/A UR						
Riprap	E G <u>(F)</u> P N/A UR		ONLY THE UPSTREAM CORNERS HAVE RIP RAP.				
Bearings	E G F <u>(P)</u> N/A UR		NEW BEARING LOGS BEARS DIRECTLY ON OLD CRIB.				
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 F <u>(P)</u> N/A UR		ONLY INSTALLED ON DOWNSTREAM TRACKS.				
Sub-deck	E G F <u>(P)</u> N/A UR		ROTEN & DAMAGED @ UPSTREAM TRACK.				
Ties	E G F <u>(P)</u> N/A UR		ROTEN.				
Nails	E G F <u>(P)</u> N/A UR		SOME STICKING OUT.				
Deck to Girder Bolts	E G F P <u>(N/A)</u> UR		NOT VIS.				
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 F <u>(P)</u> UR		TIMBER RAIL RIVEN. INSTALLED LOG IS FUNCTIONAL.				
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		RIVEN DECK & TIES.				

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

GENERAL INFORMATION			
*Site #: <u>CK-2253</u>		*Structure #:	
SUPERSTRUCTURE			
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)	
Girders	E G F <u>P</u> UR	RAIL CAR X2 = SOME PHYSICAL	
Diaphragms	E G F <u>P</u> N/A UR	SOME GENT.	
Bracing	E G <u>P</u> P N/A UR		
Under-trussing	E G F' P <u>N/A</u> UR		
Hardware	E G <u>P</u> P N/A UR		
Welded / Grouted Shear Connectors	E G F P <u>N/A</u> UR		
Stream CHANNEL			
*Est. Present Water Level Depth <u>0</u> (m)		*Est. Present Water Level Depth <u>0</u> (m)	
*Est. Present Water Level Depth <u>1.5</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		REPAIR OR REPLACE STRUCTURE PRIOR TO ANY
2	H M L		INDUSTRIAL ACTIVITY
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 X2
	DECK DAMAGE X3		RIGHT ABUT
	RAIL DAMAGE X2		LEFT ABUT
	RIGHT TO LEFT		DAMAGE RAIL IAK + TIES X3
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)	
*Date of Inspection (yyyy/mm/dd)	*Inspection Company Name	*Inspector's Name (print)	Inspector's Signature
2016-08-16	Onsite Engineering Ltd	Ali Sadeghi	
Inspector's Comments			
ROAD IS ACTIVELY BEING USED BY CN. SHAP TRUCKS CROSSED BRIDGE DURING			
PROFESSIONAL ENGINEER (P Eng) TO COMPLETE THIS SECTION			
Current Load Rating GW (tonnes):		Date of Next Planned Inspection (yyyy/mm/dd)	
5		2011/09/01	
Reviewer Company Name	Reviewed by - P Eng's Name (print)	Reviewed by - P Eng's Signa	Date Reviewed (yyyy/mm/dd)
Onsite Engineering LTD	G. Dohm	Greg Dohm	2010/11/18
P Eng Reviewer's Comments			
Plan to replace entire bridge soon.			

* Denotes Mandatory Information for Corporate Bridge Register



P8160791



CK2253 Poor crib bearing 2



CK2253 poor crib bearing



CK2253 From-downstream



CK2253 damaged underside of Rail Car



CK2253 rott in crib



CK2253 damaged underside of Rail Car 6



CK2253 fruiting body on crib







CK2253 Deck damage3



CK2253 Right to left



CK2253 Deck damage2



CK2253 Load limit sign



CK2253 Deck damage



CK2253 Damage rail



CK2253 Left to right