

Aug 16 (4)

ACTIVE

 BC Ministry of Forests and Range	Page 1 of 2
Corporate Bridge Register (CBR) Structure Inventory Data Form "BRIDGES"	

GENERAL	
*Structure # <u>52</u>	*Site #: <u>CK-2256</u>
*Type/Class: ☐ Permanent Bridge ☒ Temporary Bridge	Crossing Name: ..
*Forest District: <u>Chilliwack</u>	Management Area:
*Forest Service Road: <u>SQUEATT</u>	Kilometres: <u>11.0</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/ 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): <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

CK-2256

BC Ministry of
Forests and Range

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

STRUCTURAL DETAILS			
Number of Spans: <div style="text-align: center;">1</div>	Length of Spans (m) [e.g. for a 3-span bridge – 20, 35, 20] <div style="text-align: center;">—</div>		
Number of Piers: <div style="text-align: center;">—</div>	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): <div style="text-align: center;">14.4</div>	*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): <div style="text-align: center;">7.0</div>
*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 #: CK-2256	*Crossing Name:	*Type/Class: ☒ Major Culvert ☐ Woodbox/Log Culvert	*Project File ID# 6092		
*Structure #:			*Br. 01		
*FSR Name: SQUEAH	*Forest District: ChilliWack	*Kilometres: 11	User km: 11.8		
Longitude: (ddd / mm / ss.s) 49 28 27.5	UTM Zone	UTM Easting	UTM Northing		
Latitude: (ddd / mm / ss.s) 121 24 33.3					
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 F <u>P</u> UR	STRUCTURE ON A HOR. CURVE			
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 <u>F</u> P None UR	OLD LOGS PINED TO OUTSIDE STRINGERS.			
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 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 N/A UR	UPSTREAM RIGHT ABUT. SCURED HEAVILY, DUE TO CACK OF RIP RAP.			
Piles or Posts	E G F P <u>N/A</u> UR				
Ballast Wall	E G <u>P</u> P N/A UR				
Wing Wall	E G <u>P</u> P N/A UR				
Bracing	E G F P <u>N/A</u> UR				
Hardware	E G <u>F</u> P N/A UR				
Fill	E G <u>F</u> P N/A UR				
Riprap	E G <u>F</u> P N/A UR	SEE NOTE ABOVE			
Bearings	E G <u>P</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 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	NEEDS MORE FILL			
Gravel Deck Depth	0.5 metres or N/A				
Curb Rail/Blocks/Posts	E G <u>F</u> P UR	OLD LOGS PINNED TO OUTSIDE STRINGER			
Handrails/Walkouts	E G F P <u>N/A</u> UR				
Hardware	E G <u>F</u> P N/A UR	MID SPAN LABIED.			
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 #: <u>C162856</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					
Needle Beams and Shims		E G F P <u>(N/A)</u> UR		<u>NO NEEDLE BEAM</u>			
Stringer #	Wood Species	Peeled? (circle)	Diameter (mm) or Width x Depth (mm x mm)	Rot Depth Bottom (mm)	Rot Depth Side (mm)	Rot Depth Top (mm)	Comments
1		Y N	85	200			
2		Y N	100	100			
3		Y N	94	10			
4		Y N	92	10			
5		Y N	APPROX 100				
6		Y N	APPROX 100				
7		Y N	120	200			
8		Y N	92	100			
9		Y N	92	100			
10		Y N	83				<u>ROTTEN</u>
Stream CHANNEL							
*Est. Present Water Level Depth <u>0.5</u> (m)		*Est. Present Water Level Depth <u>width 4</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>
Comments <u>MONITOR UPSTREAM CORNER, RIGHT ABUT. SCOUR.</u>							
REPAIRS: ☐ Recommended ☐ Not required (H = High, M = Medium, L = Low)							
Repair Item #	*Priority (circle)	*Estimate (\$)	*Repair Description				
1	H M L						
2	H M L						
3	H M L						
*Monitoring Status: ☐ Recommended ☐ Not required							
Monitor Item #	*Monitor Description						
1	<u>RIGHT ABUT, UPSTREAM SCOUR, below SILL LOG.</u>						
2							
PHOTO LOG							
Photo #	Description	Photo #	Description				
	<u>LEFT TO RIGHT</u>		<u>STRINGER</u>				
	<u>FROM UPSTREAM W/2</u>		<u>FROM DOWNSTREAM</u>				
	<u>RIGHT ABUT</u>		<u>RIGHT TO LEFT</u>				
	<u>LEFT ABUT</u>						
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)	*Inspection Company Name	*Inspector's Name (print)	Inspector's Signature				
<u>2010-09-16</u>	<u>Onsite Engineering LTD.</u>	<u>Ali Sadehghi</u>					
Inspector's Comments <u>RECALCULATE LOAD UNIT BASED ON DECAY & FILL DETAIL</u>							
PROFESSIONAL ENGINEER TO COMPLETE THIS SECTION							
Current Load Rating GWW (tonnes): <u>5</u>		Date of Next Planned Inspection (yyyy/mm/dd) <u>2011/09/01</u>					
(P Eng to update structure details screen in CBR as necessary)							
Reviewed by - P Eng's Name (print)	Reviewed by - P Eng's Signature	Date Reviewed (yyyy/mm/dd)					
<u>MINR Engineering LTD</u>	<u>G. Dohm</u>	<u>2010/11/18</u>					
P Eng Reviewer's Comments <u>Load rated for 5 tonnes. Please post. Plan to replace entire bridge due to extensive rot.</u>							

SAFELY BE
ACCESSED. BOTH
STRINGERS HAVE
FRUITFUL BODY.



CK2256 cunk on atringer



CK2256 Right to left



CK2256 stringer



CK2256 From downstream



CK2256 Left abutment



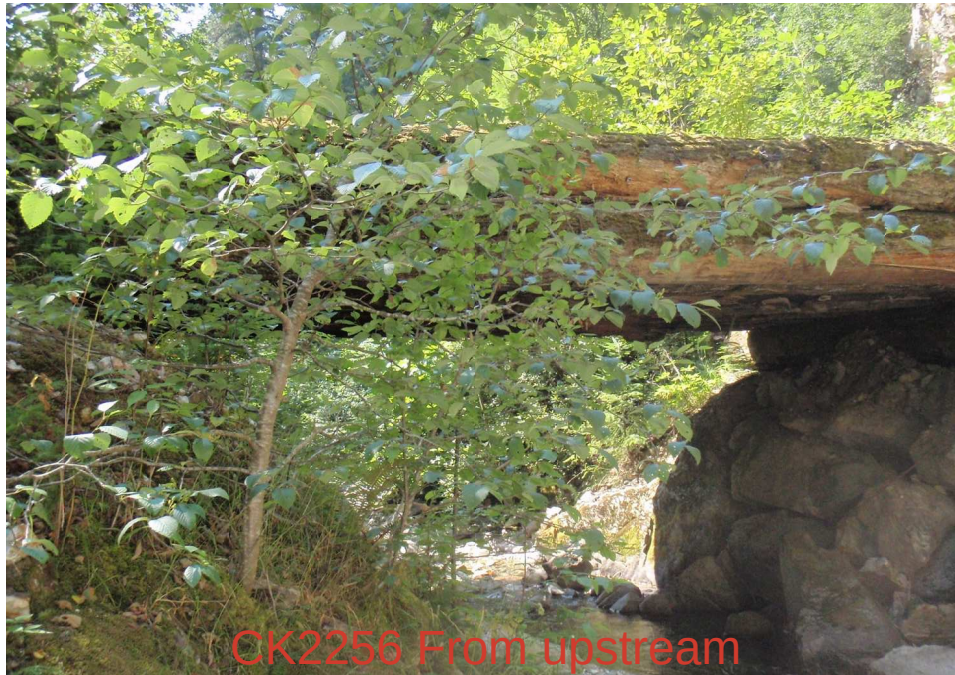
CK2256 scour upstream...



CK2256 Left abutment 2



CK2256 Right abutment



CK2256 From upstream



CK2256 Left to right