

ACTIVE

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BC Ministry of
Forests and Range

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

GENERAL	
*Structure #	*Site #: CK-2348
*Type/Class: ☒ Permanent Bridge ☐ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: COUGBURN	Kilometres: 4.8
*Project File ID#: 5748	*Br. 02
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

CK-2348



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

STRUCTURAL DETAILS			
Number of Spans: <div style="text-align: center; font-size: 2em;">1</div>	Length of Spans (m) [e.g. for a 3-span bridge – 20, 35, 20] <div style="text-align: center; font-size: 1.5em;">24.4</div>		
Number of Piers: <div style="text-align: center; font-size: 1.5em;">—</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; font-size: 1.5em;">24.4</div>	*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): <div style="text-align: center; font-size: 1.5em;">4.9</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 stinger or timber stinger bridges~~

GENERAL INFORMATION

(enter either long/lat or UTM below - not both)

*Site #: <u>1K-2348</u>	*Crossing Name:	*Type/Class: ☐ Major Culvert ☒ Woodbox/Log Culvert	*Project File ID# <u>5748</u>
*Structure #:			*Br. <u>02</u>
*FSR Name: <u>COGUEW</u>	*Forest District: <u>Chilliwack</u>	*Kilometres: <u>4.8</u>	User km:
Longitude: (ddd / mm / ss.s) <u>49 33 19.3</u>	UTM Zone	UTM Easting	UTM Northing
Latitude: (ddd / mm / ss.s) <u>121 43 37.2</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	Yes No	<u>ROAD VERY BRUSHY</u>
Delineator Missing Left	0 1 2	
Delineator Missing Right	0 1 2	
Fender Condition	E G <u>F</u> P None UR	<u>OLD LOGS</u>
Posted Load Rating	(tonnes) or None	<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 P <u>N/A</u> UR	
Piles or Posts	E G F P <u>N/A</u> UR	<u>PIPE PILES ON EXPOSE SPREAD FOOTING</u>
Ballast Wall	E G <u>F</u> P <u>N/A</u> UR	<u>TOP OF RIGHT BALLAST WALL DAMAGED DUE TO</u>
Wing Wall	E G F P <u>N/A</u> UR	<u>VEHICLE IMPACT</u>
Bracing	E <u>G</u> F P <u>N/A</u> UR	<u>REBAR EXPOSED</u>
Hardware	E <u>G</u> F P <u>N/A</u> UR	
Fill	E <u>G</u> F P <u>N/A</u> UR	
Riprap	E G F P <u>N/A</u> UR	
Bearings	E <u>G</u> F P <u>N/A</u> UR	<u>RUBBER PADS</u>
Corrosion Protection	E <u>G</u> 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

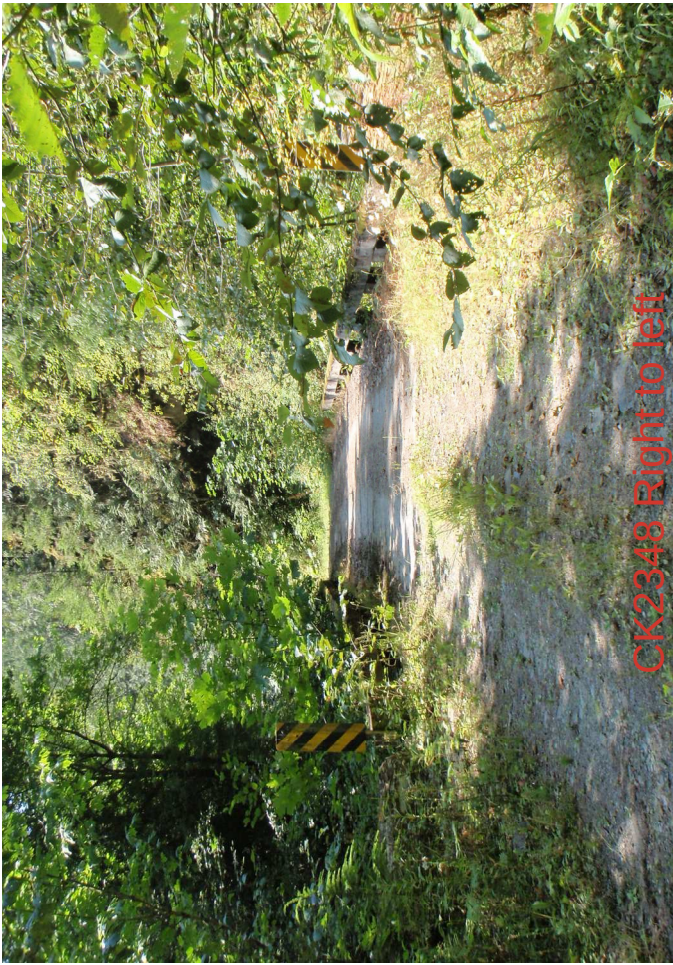
DECK

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 <u>F</u> P <u>N/A</u> UR	<u>SOME TRACER VEHICLE DAMAGE</u>
Running Planks	E G F <u>P</u> <u>N/A</u> UR	
Sub-deck	E G F <u>P</u> <u>N/A</u> UR	
Ties	E G F <u>P</u> <u>N/A</u> UR	
Nails	E G F <u>P</u> <u>N/A</u> UR	
Deck to Girder Bolts	E G F <u>P</u> <u>N/A</u> UR	
Concrete Deck	E G <u>F</u> P <u>N/A</u> UR	<u>CONCR COMP.</u>
Grout Pockets	E G <u>F</u> P <u>N/A</u> UR	
Deck Joints	E G <u>F</u> P <u>N/A</u> UR	<u>SOME CRACKS</u>
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	<u>RIVEN TIMBER RAILS</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**
(except for log stringer or timber stringer bridges)

GENERAL INFORMATION			
*Site #: <u>CK-2348</u>		*Structure #:	
SUPERSTRUCTURE			
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)	
Girders	E <u>(G)</u> F P UR	L-150 2X STEEL I-BEAM. WEATHERING STEEL	
Diaphragms	E G F P <u>(N/A)</u> UR		
Bracing	E <u>(G)</u> F P N/A UR		
Under-trussing	E G F P <u>(N/A)</u> UR		
Hardware	E <u>(G)</u> F 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>2</u> (m)		*Est. Present Water Level Depth <u>2</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	H M L		REPLACE RAILS PRIOR TO INDUSTRIAL ACTIVITY
2	H M L		STRUCTURE'S LOAD LIMIT.
3	H M L		NAKED STRUCTURE SIGNS
*Monitoring Status: ☐ Recommended ☐ Not required			
Monitor Item #	*Monitor Description		
1			
2			
PHOTO LOG			
Photo #	Description	Photo #	Description
	RIGHT TO LEFT		RIGHT ABOUT
	LEFT TO RIGHT		FROM DOWNSTREAM
	FROM UPSTREAM		STRUCTURE IS XS
	LEFT ABOUT		
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): (PEng 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>2010-08-17</u>	*Inspection Company Name Onsite Engineering Ltd	*Inspector's Name (print) <u>Ali Sadeghi</u>	Inspector's Signature
Inspector's Comments			
PROFESSIONAL ENGINEER (PEng) TO COMPLETE THIS SECTION			
Current Load Rating GVW (tonnes): (PEng to update structure details screen in CBR as necessary)		Date of Next Planned Inspection (yyyy/mm/dd)	
<u>136</u>		<u>2013/09/01</u>	
Reviewer Company Name Onsite Engineering LTD	Reviewed by - PEng's Name (print) <u>G. Dohm</u>	Reviewed by - PEng's Signature 	Date Reviewed (yyyy/mm/dd) <u>2010/12/09</u>
PEng Reviewer's Comments			

* Denotes Mandatory Information for Corporate Bridge Register



CK2348 Right to left



CK2348 Left to right



CK2348 From upstream



CK2348 Structure ID 2



CK2348 Left abutment



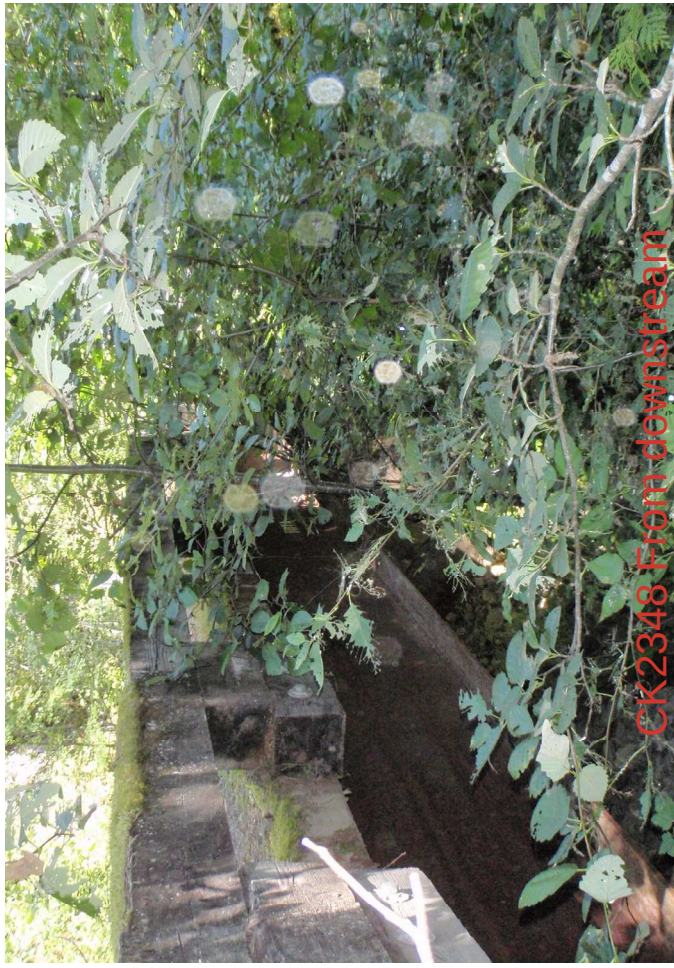
CK2348 Pipe risers and spread footing



CK2348 Structure ID



CK2348 Right abutment



CK2348 From downstream