

Sep 20

ACTIVE

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

GENERAL	
*Structure #	*Site #: CK-2147
*Type/Class: ☒ Permanent Bridge ☐ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: Harrison Wet	Kilometres: 66.9
*Project File ID#: 6314	*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): <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-2147

BC Ministry of
Forests and Range

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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>29.4</u>		
Number of Piers:	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>30</u>	*Superstructure: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;">☐ Compo Girders</div> <div style="width: 33%;">☐ Concrete Box Beam</div> <div style="width: 33%;">☐ Rail Car</div> <div style="width: 33%;">☐ Concrete Cast in Place</div> <div style="width: 33%;">☐ Concrete I/T Beam</div> <div style="width: 33%;">☐ Other</div> <div style="width: 33%;">☐ Concrete Slab Girders</div> <div style="width: 33%;">☐ Glulam Girder</div> <div style="width: 33%;">☐ Log Stringer</div> <div style="width: 33%;">☐ Steel Box Beam</div> <div style="width: 33%;">☒ Steel I-Beam</div> <div style="width: 33%;">☐ Steel Truss/Bailey/Acrow</div> <div style="width: 33%;">☐ Timber-Treated Stringers</div> <div style="width: 33%;">☐ Timber-Untreated Stringers</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): <u>4.9</u> FLARED AT THE ENDS
*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-2147</u>	*Crossing Name:	*Type/Class: ☐ Temporary bridge ☒ Permanent bridge		*Project File ID# <u>6314</u>	
*Structure #:				*Br. <u>01</u>	
*FSR Name: <u>Harrison West</u>	*Forest District: <u>Chilliwack</u>	*Kilometres: <u>66.9</u>		User km:	
Longitude: (ddd / mm / ss.s) <u>4941 23.6</u>	<u>OR</u>	UTM Zone	UTM Easting	UTM Northing	
Latitude: (ddd / mm / ss.s) <u>1207 23.1</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>(F)</u> P UR				
Bridge Ahead Signs Missing	0 1 <u>(2)</u>				
Brushing Required	<u>(Yes)</u> No				
Delinicator Missing Left	<u>(0)</u> 1 2				
Delinicator Missing Right	<u>(0)</u> 1 2				
Fender Condition	E <u>(G)</u> F P None UR	NO PIST BARRIER			
Posted Load Rating	(tonnes) or None	NIT 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				
Blk 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 <u>(G)</u> F P N/A UR	PIPE PILES ON SPREAD FOOTINGS.			
Ballast Wall	E <u>(G)</u> F P N/A UR	PRECAST CONCRETE.			
Wing Wall	E G F P <u>(N/A)</u> UR				
Bracing	E G F P <u>(N/A)</u> UR				
Hardware	E <u>(G)</u> F P N/A UR				
Fill	E G <u>(F)</u> P N/A UR	SOME POTHOLES ON THE APPROACHES			
Riprap	E <u>(G)</u> F P N/A UR				
Bearings	E <u>(G)</u> F P N/A UR	RUBBER PADS.			
Corrosion Protection	E <u>(G)</u> F P N/A 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 <u>(G)</u> F P N/A 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 <u>(G)</u> F P N/A UR	CONCRETE COMP.			
Grout Pockets	E <u>(G)</u> F P N/A UR				
Deck Joints	E <u>(G)</u> F P N/A 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 <u>(F)</u> P UR	SLIGHTLY LOOSE			
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 <u>(F)</u> P UR				

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

GENERAL INFORMATION			
*Site #: CK-2147		*Structure #:	
SUPERSTRUCTURE			
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)	
Girders	E (6) F P UR	2x STEEL I-BEAM L-100	
Diaphragms	E (6) F P N/A UR		
Bracing	E (6) 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	1.2 (m)	*Est. Present Water Level Depth	15 (m)
		*Est. Present Water Level Depth	3.5 (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		STRUCTURE'S LOAD LIMIT.
2	H M L		
3	H M L		
*Monitoring Status: ☐ Recommended ☐ Not required			
Monitor Item #	*Monitor Description		
1			
2			
PHOTO LOG			
Photo #	Description	Photo #	Description
	LEFT TO RIGHT		LEFT ABUT
	RIGHT TO LEFT		FROM UPSTREAM
	FROM DOWNSTREAM		MINOR DECK DAMAGE
	RIGHT ABUT		
INSPECTOR TO COMPLETE THIS SECTION			
As-built Drawings Checked?	P Eng Inspection Required?	Inspector's Estimate of Full Log Haul Traffic Replacement Date (year):	
Yes (No)	Yes (No)	(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
2010-08-20	Onsite Engineering Ltd	Ali Sadeghi	
Inspector's Comments			
PROFESSIONAL ENGINEER (P Eng) TO COMPLETE THIS SECTION			
Current Load Rating GVW (tonnes):	91	Date of Next Planned Inspection (yyyy/mm/dd)	
(P Eng to update structure details screen in CBR as necessary)		2013/09/01	
Reviewer Company Name	Reviewed by - P Eng's Name (print)	Reviewed by - P Eng's Signat	Date Reviewed (yyyy/mm/dd)
MINRO Onsite Engineering LTD	G. Dohm		2010/10/29
P Eng Reviewer's Comments			

* Denotes Mandatory Information for Corporate Bridge Register



CK2147 Left to right



CK2147 minor damage to concrete deck



CK2147 Right to left



CK2147 From downstream



CK2147 Structure ID



CK2147 Right abutment



CK2147 Left abutment



CK2147 From upstream