

ACTIVE

BC Ministry of
Forests and Range

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

GENERAL	
*Structure # <u>01</u>	*Site #: <u>CK-2144</u>
*Type/Class: ☒ Permanent Bridge ☐ Temporary Bridge	Crossing Name:
*Forest District: <u>Chilliwack</u>	Management Area:
*Forest Service Road: <u>Hudson Rd</u>	Kilometres: <u>44.4</u>
*Project File ID#: <u>6314</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): <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-2144

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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>27.0</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>27.4</u>	*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): <u>* 4.9</u>
*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:			

FLAGGED AT
THE ENDS

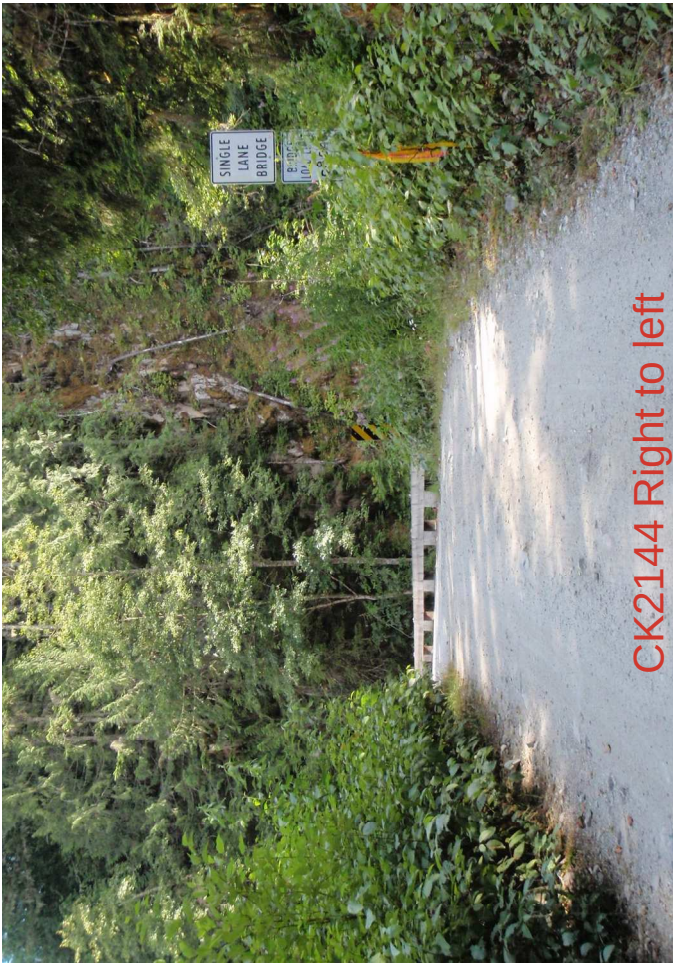
**Routine Condition Bridge Inspection Form**
(except for log stringer or timber stringer bridges)

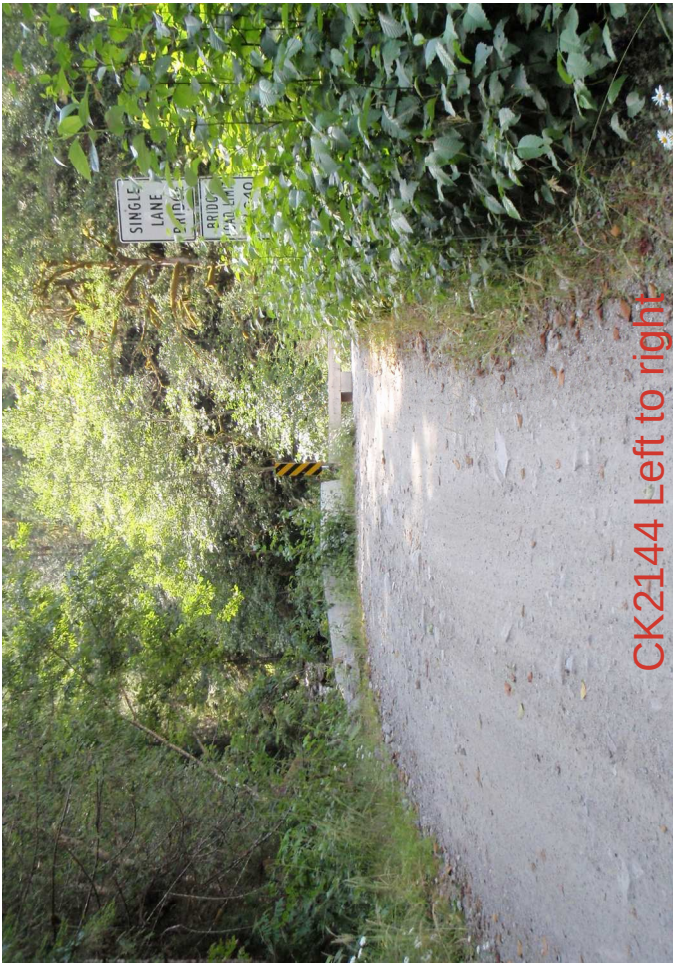
GENERAL INFORMATION				(enter either long/lat or UTM below -- not both)			
*Site #: <u>CK 2144</u>	*Crossing Name:	*Type/Class: ☐ Temporary bridge ☒ Permanent bridge	*Project File ID# <u>6.31.4</u>				
*Structure #:			*Br. <u>01</u>				
*FSR Name: <u>Harrison 401</u>	*Forest District: <u>Chilliwack</u>	*Kilometres: <u>64.4</u>	User km:				
Longitude: (ddd / mm / ss.s) <u>49 40 09.8</u>	☒ OR ☐ UTM	UTM Easting	UTM Northing				
Latitude: (ddd / mm / ss.s) <u>122 00 57.8</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 F <u>(P)</u> UR	VERY TIGHT VERTICAL CURVE. ON RIGHT APPROACH					
Bridge Ahead Signs Missing	<u>(0)</u> 1 2						
Brushing Required	<u>(Yes)</u> No						
Delineator Missing Left	<u>(0)</u> 1 2						
Delineator Missing Right	<u>(0)</u> 1 2						
Fender Condition	E G F P None UR						
Posted Load Rating	<u>10.8</u> (tonnes) or None						
Road Surface	E <u>(G)</u> F P UR	NO POST BARBERS					
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 N/A UR						
Piles or Posts	E <u>(G)</u> F P N/A UR	PILE RISERS ON SPREAD FOOTING					
Ballast Wall	E G <u>(F)</u> P N/A UR	TOP OF BALLAST WALL DAMAGED DUE TO LARGE POTHOLES ON APPROACHES. THE RIGHT BALLAST WALL: RE BAR SHOWING					
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	POTHOLES ON APPROACHES					
Riprap	E <u>(G)</u> F P N/A UR						
Bearings	E <u>(G)</u> F P N/A UR	RUBBER PAWS					
Corrosion Protection	E G F P N/A 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 <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. DECK.					
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 N/A						
Curb Rail/Blocks/Posts	E <u>(G)</u> F P UR						
Handrails/ Walkouts	E G F P <u>(N/A)</u> UR						
Hardware	E <u>(G)</u> F P N/A UR						
Overall Deck Condition	E <u>(G)</u> F P UR						

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

GENERAL INFORMATION			
*Site #: <u>CE-2144</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	2x STEEL I-BEAM : WEATHERING STEEL	
Diaphragms	E <u>(G)</u> F P N/A UR		
Bracing	E <u>(G)</u> 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 <u>1.2</u> (m)	*Est. Present Water Level Depth <u>12</u> (m)	*Est. Present Water Level Depth <u>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	H M L <u>(L)</u>		
2	H M L <u>(L)</u>		
3	H M L <u>(L)</u>		
*Monitoring Status: ☐ Recommended ☐ Not required			
Monitor Item #	*Monitor Description		
1			
2			
PHOTO LOG			
Photo #	Description	Photo #	Description
	LEFT TO RIGHT		FROM UPSTREAM
	RIGHT TO LEFT		RIGHT ABUT
	ROADWAY		LEFT ABUT
	POTHLES x2		FROM DOWN STREAM
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 CDR)	
*Date of Inspection (yyyy/mm/dd) <u>2010-08-20</u>	*Inspection Company Name Onsite Engineering Ltd	*Inspector's Name (print) Ali Sadeghi	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 CDR as necessary)	<u>62</u>	Date of Next Planned Inspection (yyyy/mm/dd)	<u>2013/09/01</u>
Reviewer Company Name Onsite Engineering LTD	Reviewed by - PEng's Name (print) G. Dohm	Reviewed by - PEng's Signa 	Date Reviewed (yyyy/mm/dd) <u>2010/10/29</u>
PEng Reviewer's Comments Re-post at 62 tonnes.			

* Denotes Mandatory Information for Corporate Bridge Register

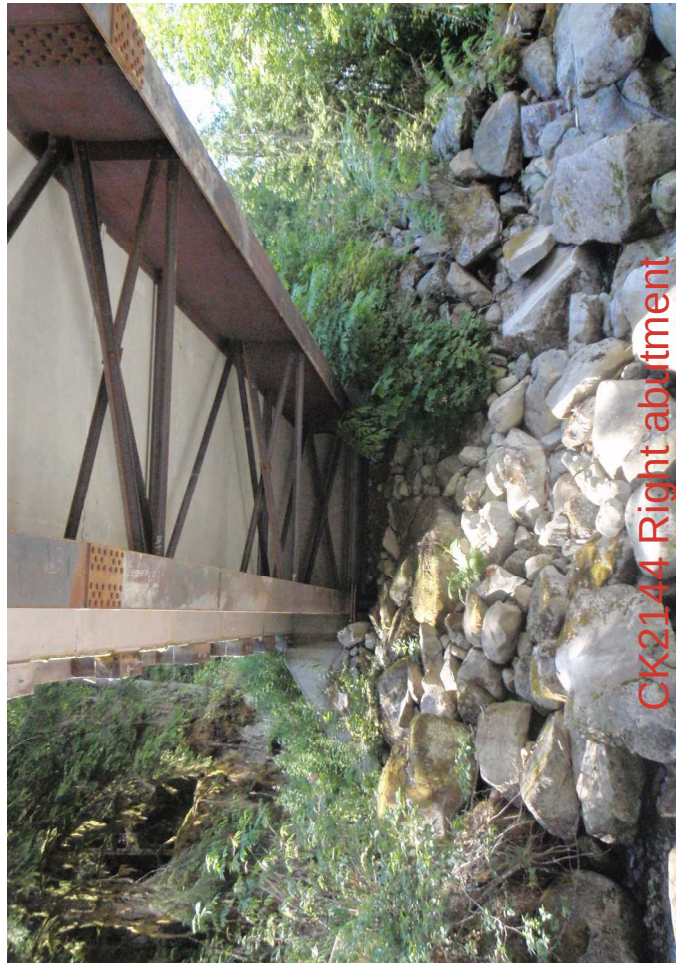




CK2144 Left to right



CK2144 From upstream



CK2144 Right abutment



CK2144 Structure ID



CK2144 Left abutment



CK2144 from downstream