

#4

ACTIVE

(H)

Sep 06

BC Ministry of
Forests and Range

Page 1 of 2

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

GENERAL	
*Structure #	*Site #: CK2222
*Type/Class: ☐ Permanent Bridge ☒ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: p:4 River	Kilometres: 18.2
*Project File ID#: 8394	*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): (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-2222

BC Ministry of
Forests and Range

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

STRUCTURAL DETAILS			
Number of Spans: <u>1</u>	Length of Spans (m) [e.g. for a 3-span bridge – 20, 35, 20]		
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>10.9</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>6.2</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:			

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

GENERAL INFORMATION		(enter either long/lat or UTM below - not both)			
*Site #: <u>CF-2202</u>	*Crossing Name:	*Type/Class: ☐ Major Culvert ☒ Woodbox/Log Culvert	*Project File ID# <u>8394</u>		
*Structure #:			*Br. <u>01</u>		
*FSR Name: <u>PIT RIVER</u>	*Forest District: <u>Chilliwack</u>	*Kilometres: <u>18.2</u>	User km:		
Longitude: (ddd / mm / ss.s) <u>49 40 45.2</u>	☒ UTM Zone	UTM Easting	UTM Northing		
Latitude: (ddd / mm / ss.s) <u>122 41 07.6</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 P UR				
Bridge Ahead Signs Missing	0 1 (2)				
Brushing Required	Yes No				
Delinicator Missing Left	(0) 1 2				
Delinicator Missing Right	(0) 1 2				
Fender Condition	E G (F) P None UR	OLD LOGS			
Posted Load Rating	(tonnes) or None	NOT RATED			
Road Surface	E (G) F 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 N/A UR	2 X CLOSED FACED ON LEFT ABUT.			
Tie-backs	E G (F) P N/A UR	3 X			
Bin Wall	E G F P (N/A) UR	2 X OPEN FACED ON RIGHT ABUT			
Concrete (cast in place; lock blocks, precast)	E G F P (N/A) UR				
Caps or Sills	E G F P (N/A) UR				
Piles or Posts	E G F P (N/A) UR				
Ballast Wall	E G F P (N/A) UR				
Wing Wall	E G F P (N/A) UR				
Bracing	E G F P (N/A) UR				
Hardware	E (G) F P N/A UR	LASHED AT ENDS			
Fill	E (G) F P N/A UR				
Riprap	E (G) F P N/A UR				
Bearings	E (G) F P N/A UR				
Corrosion Protection	E G F P (N/A) 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 F P (N/A) UR				
Running Planks	E G F P (N/A) UR				
Sub-deck	E G F P (N/A) UR				
Ties	E G F P (N/A) UR				
Nails	E G F P (N/A) UR				
Deck to Girder Bolts	E G F P (N/A) UR				
Concrete Deck	E G F P (N/A) UR				
Grout Pockets	E G F P (N/A) UR				
Deck Joints	E G F P (N/A) UR				
Steel Deck Plate	E G F P (N/A) UR				
Gravel Surface	E G (F) P N/A UR	NEEDS MORE FILL			
Gravel Deck Depth	040-050 metres or N/A				
Curb Rail/Blocks/Posts	E (G) F P UR				
Handrails/Walkouts	E G F P (N/A) UR				
Hardware	E (G) F P N/A UR	LASHED - ALL STRINGERS LASHED			
Overall Deck Condition	E (G) F P UR				

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

GENERAL INFORMATION							
*Site #: <u>CK-2222</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 F P UR					
Needle Beams and Shims		E G F P N/A UR					
Stringer #	Wood Species	Peel? (circle)	Diameter (mm) or Width x Depth (mm x mm)	Rot Depth Bottom (mm)	Rot Depth Side (mm)	Rot Depth Top (mm)	Comments
1	Fd	Y (N)	730				STRINGERS IN GOOD CONDITION L=11.0m Gravel=0.4m
2	/	Y (N)	600				
3	/	Y (N)	600				
4	/	Y (N)	580				
5	/	Y (N)	610				
6	/	Y (N)	720				
7	/	Y (N)	590				
8	/	Y (N)	710				
9	/	Y (N)	680				
10	/	Y (N)	700				
Stream CHANNEL							
*Est. Present Water Level Depth <u>0.3</u> (m)		*Est. Present Water Level Depth <u>WIDTH 6</u> (m)		*Est. Present Water Level Depth <u>HW 1.0</u> (m)			
HAZARDS (circle yes or no for each item)							
High Water?	Yes (No)	Scour?	Yes (No)	Ice?	Yes (No)	Debris?	Yes (No)
Comments							
REPAIRS: ☐ Recommended ☐ Not required (H = High, M = Medium, L = Low)							
Repair Item #	*Priority (circle)	*Estimate (\$)	*Repair Description				
1	(H) M L		POST STRUCTURE LOAD LIMIT				
2	(H) M L		STRUCTURE NEEDS MORE FILL.				
3	H M L						
*Monitoring Status: ☐ Recommended ☐ Not required							
Monitor Item #	*Monitor Description						
1							
2							
PHOTO LOG							
Photo #	Description	Photo #	Description				
	RIGHT TO LEFT		RIGHT ABUT				
	LEFT TO RIGHT		LEFT ABUT				
	UPSTREAM		UNDERNEATH				
	DOWNSTREAM		DOWNSTREAM				
INSPECTOR TO COMPLETE THIS SECTION							
As-built Drawings Checked? Yes (No)		P Eng Inspection Required? Yes (No)		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 as necessary).			
*Date of Inspection (yyyy/mm/dd) <u>2010-09-08</u>		*Inspection Company Name <u>Onsite Engineering LTD.</u>		*Inspector's Name (print) <u>Ali Sadeghi</u>		Inspector's Signature 	
Inspector's Comments <u>THE STRUCTURE NEEDS MORE FILL.</u>							
PROFESSIONAL ENGINEER TO COMPLETE THIS SECTION							
Current Load Rating GW (tonnes): <u>62</u> (PEng to update structure details screen in CDR as necessary)				Date of Next Planned Inspection (yyyy/mm/dd) <u>2012/09/01</u>			
Reviewer Company Name <u>Onsite Engineering LTD.</u>		Reviewed by - PEng's Name (print) <u>G. Dohm</u>		Reviewer 		Date Reviewed (yyyy/mm/dd) <u>2010/12/02</u>	
PEng Reviewer's Comments <u>BCL-625 or 62 tonnes load rating, please post.</u>							

* Denotes Mandatory Information for Corporate Bridge Register

FS1337A HEG Aug 3, 2010



CK2222 Right to left



CK2222 Left to right



CK2222 From upstream



CK2222 Right abutment



CK2222 Left abutment



CK2222 Underneath



CK2222 From downstream

BC Ministry of
Forests and RangeCorporate Bridge Register (CBR)
Structure Inventory Data Form
"CULVERTS"

Page 1 of 2

GENERAL	
*Structure #:	*Site #: CK-2223
*Type/Class: ☐ Major Culvert ☒ Woodbox/Log Culvert	Crossing Name:
*Forest District: CHILLIWACK	Management Area:
*Forest Service Road: PITT RIVER	Kilometres: 20.2
*Project File ID#: 8394	*Br. 01
Built For: ☐ BC Timber Sales ☐ Other Commercial Users ☐ Road Use Permit Holder	☐ Operations Division ☐ Road Permit Holder
*Source: ☐ Inherited: Found Structure ☐ Inherited: Non-Status Road ☐ Inherited: Reallocation ☐ New Structure ☐ Replacement Structure	☐ Inherited: From Oil & Gas/ Other Ministry ☐ Inherited: Transfers from Other Ministries
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 (\$):
Portable Structure? ☐ Yes ☐ No	
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

FS1343 HEG Aug 3, 2010



BC Ministry of
Forests and Range

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

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CK-2023

STRUCTURAL DETAILS			
*Culvert Number: 1 of 1	*Culvert Length (metres): 9.0	Gradient: - 2%	
*Culvert Type (not required for woodbox/log): ☐ Box ☒ Open Bottom ☐ Elliptical ☐ Round		*Culvert Material: ☐ Concrete ☒ Log ☐ Corrugated Steel ☐ Other ☐ Steel Non-Corrugated	
Inlet Cover Depth (mm): 1200		Outlet Cover Depth (mm): 1200	
*Opening Height (mm): 900		*Opening Width (mm): 1200	
Headwall Location: ☐ Both ☒ None ☐ Inlet ☐ Outlet		Open Bottom Substructure (not required for woodbox/log culvert): ☐ Cast in Place Concrete Footing ☐ Lock-Block Footing ☐ Piles ☐ Precast Concrete Footing ☐ Steel Footing	
Comments:			

2.8m C-C



BC Ministry of Forests and Range
Routine Condition Culvert Inspection Form

GENERAL INFORMATION			
*Site #: CK-2223	*Crossing Name:	*Type/Class: ☐ Major Culvert ☒ Woodbox/Log Culvert	(enter either long/lat or UTM below- not both) *Project File ID# 8394 *Bf. 01
*Structure #:			
*FSR Name: PIT RIVER	*Forest District: CHILWICK	*Kilometres: 20.2	User km: 20.2
Longitude: (ddd / mm / ss.s) 49 41 04.0	UTM Zone OR	UTM Easting	UTM Northing
Latitude: (ddd / mm / ss.s) 122 41 20.5			

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 P UR		
Bridge Ahead Signs Missing	0 1 (2)		
Brushing Required	Yes (No)		
Delineator Missing Left	0 1 (2)		
Delineator Missing Right	0 1 (2)		
Fender Condition	E G F P (None) UR		
Posted Load Rating	(tonnes) or None (NOT POSTED)		
Road Surface	E (G) F P UR		

GENERAL CULVERT ITEMS			
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)	
Baffles (N/A to woodbox/log culvert)	E G F P (N/A) UR		
Bolted Connections (N/A to woodbox/log culvert)	E G F P (N/A) UR		
Coupled Connections (N/A to woodbox/log culvert)	E G F P (N/A) UR		
Coating (N/A to woodbox/log culvert)	E G F P (N/A) UR		
Embedment Materials (N/A to woodbox/log culvert)	E G F P (N/A) UR		
Fill	E (G) F P UR		
Roof	E G F P (UR)		
Slide Walls	E G F P (UR)		
Floor	E G F P (N/A) UR		
Head Walls	E G F P (N/A) UR		
Wing Walls	E G F P (N/A) UR		
Inlet	E (G) F P UR		
Outlet	E (G) F P UR		
Overall	E (G) F P UR		
Riprap	E G F P (N/A) UR		
Trash Rack	E G F P (N/A) UR		
Walls/Backwater Structures	E G F P (N/A) UR		
Footling (N/A to woodbox/log culvert)	E (G) F P (N/A) UR		

LOG CULVERTS ONLY			
Stringer #	Stringer Rot Depth (mm)	Diameter (mm)	Stringer Species
1		730	(G)
2		620	"
3		620	"
4		380	"
5		570	"
6		750	"
7		910	"
8		560	"
9		570	"
10		680	"
11		1200	"
12		420	"

ALL SLABS (G) WITH VERY LITTLE SAP ROT.

L=2.8m

Gravel=assume 0.3m



BC Ministry of Forests and Range
Routine Condition Culvert Inspection Form

GENERAL INFORMATION											
*Site #: CK-2223					*Structure #:						
LOG CULVERTS ONLY (continued)											
Stringer #	Stringer Rot Depth (mm)	Diameter (mm)	Stringer Species	Comments (a comment is mandatory if condition "Poor" is selected)							
13		540	W								
14		520	W								
15											
16											
17											
18											
19											
20											
21											
Comments											
Stream CHANNEL											
*Est. Present Water Level Depth		(m)	*Est. Present Water Level Depth		(m)	*Est. Present Water Level Depth		(m)			
HAZARDS (circle yes or no for each item)											
High Water?	Yes	No	Scour?	Yes	No	Ice?	Yes	No	Aggradation?	Yes	No
Comments											
REPAIRS:											
Repair Item #	*Priority (circle)	☐ Recommended		☐ Not required (H = High, M = Medium, L = Low)		*Repair Description					
1	H M L										
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				
	INLET						LEFT ABUTMENT				
	OUTLET						RIGHT " "				
	RIGHT TO LEFT						UNDERNEATH				
	LEFT TO RIGHT										
INSPECTOR TO COMPLETE THIS SECTION											
As-built Drawings Checked?		P Eng Inspection Required?		Yes		No		Inspector's Estimate of Full Log Haul Traffic Replacement Date (year):			
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					
2010-09-08		Onsite Engineering Ltd		ALI SAEEDH							
Inspector's Comments											
2.8m WBC - SHOULD NOT BE IN CBR.											
PROFESSIONAL ENGINEER (P Eng) TO COMPLETE THIS SECTION											
Current Load Rating GW (tonnas):		62		Date of Next Planned Inspection (yyyy/mm/dd)		Remove from CBR					
(P Eng to update structure details screen in CBR as necessary)											
Reviewer Company Name		Reviewed by - P Eng's Name (print)		Reviewed by - P Eng's Signature		Date Reviewed (yyyy/mm/dd)					
MNRO		G. Dohm		G. Dohm		2010/12/02					
P Eng Reviewer's Comments											
BCL625 or 62 tonnes. WBC - remove from CBR											

* Denotes Mandatory Information for Corporate Bridge Register



CK2223 Right to left



CK2223 Left to right



CK2223 Inlet



CK2223 Left abutment



CK2223 Right abutment



CK2223 Underneath



CK2223 Outlet

 BC Ministry of Forests and Range		Corporate Bridge Register (CBR) Structure Inventory Data Form "BRIDGES"		Page 1 of 2
GENERAL				
*Structure #		*Site #: CK 2224		
*Type/Class: ☒ Permanent Bridge ☐ Temporary Bridge		Crossing Name:		
*Forest District: Chilliwack		Management Area:		
*Forest Service Road: Pitt River		Kilometres: 23.0		
*Project File ID#: 0394		*Br. 01		
Built For: ☐ BC Timber Sales ☐ Other Commercial Users ☐ Road Use Permit Holder		☐ Operations Division ☐ Road Permit Holder		
*Source: ☐ Inherited: Found Structure ☐ Inherited: Non-Status Road ☐ Inherited: Reallocation ☐ New Structure ☐ Replacement Structure		☐ Inherited: From Oil & Gas/ Other Ministry ☐ Inherited: Transfers from Other Ministries		
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-2224



BC Ministry of
Forests and Range

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

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STRUCTURAL DETAILS			
Number of Spans: 1		Length of Spans (m) [e.g. for a 3-span bridge - 20, 35, 20] 23.6	
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? ☒ No ☐ Yes		Portable Structure? ☒ No ☐ Yes	
		Portable Superstructure Status: ☐ Installed ☐ Storage	
Portable Superstructure Storage Location:			
*Bridge Length (metres): 24.3		*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): 4.3	
*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 #: CK - 2224	*Crossing Name:	*Type/Class: ☐ Temporary bridge ☒ Permanent bridge	*Project File ID# 8394		
*Structure #:			*Gr. 01		
*FSR Name: PITT RIVER	*Forest District:	*Kilometres: 23.6	User km:		
Longitude: (ddd / mm / ss.s) 49 42 40.8	OR	UTM Easting	UTM Northing		
Latitude: (ddd / mm / ss.s) 128 42 25.6		UTM Zone			
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	LIGHT TURN CURVE = POOR VISIBILITY			
Bridge Ahead Signs Missing	0 1 <u>2</u>				
Brushing Required	Yes <u>NO</u>				
Delineator Missing Left	0 <u>1</u> 2				
Delineator Missing Right	<u>0</u> 1 2				
Fender Condition	E G <u>F</u> P None UR	LOGS			
Posted Load Rating	(tonnes) or <u>None</u>	NOT POSTED			
Road Surface	E G <u>F</u> P UR	SOME POTHOLES ON APPROACHES			
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 <u>F</u> P N/A UR	3x CLOSED FACED CRIB ON LEFT ABUT (w), 2x CRIB w/			
Tie-backs	E G <u>F</u> P N/A UR	3x (w)			
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				
Ballast Wall	E G <u>F</u> P N/A UR	ON SLABS.			
Wing Wall	E G <u>F</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 <u>G</u> F P N/A UR	REPLACE CONTAINED & RIPRAVED.			
Bearings	E <u>G</u> F P N/A UR				
Corrosion Protection	E G F P N/A 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 F P <u>N/A</u> UR				
Running Planks	E G <u>F</u> P N/A UR	3" x 10" TIMBER = SAME BOARDS ROTTEN & ECD. REPAIR.			
Sub-deck	E <u>G</u> F P N/A UR	4" TREATED TIMBER			
Ties	E <u>G</u> F P N/A UR	8" x 10" TREATED			
Nails	E G <u>F</u> P N/A UR	SOME STICKING OUT.			
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 F P <u>N/A</u> UR				
Gravel Deck Depth	metres or <u>N/A</u>				
Curb Rail/Blocks/Posts	E G F <u>P</u> UR	DAMAGED & ROTTEN.			
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 #: C1C-2224					*Structure #:						
SUPERSTRUCTURE											
Item	Present Condition (circle)			Comments (a comment is mandatory if condition "Poor" is selected)							
Girders	E	G	F	P	UR	2 X STEEL = 1 - BEAMS					
Diaphragms	E	G	F	P	N/A	UR					
Bracing	E	G	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		2 (m)		*Est. Present Water Level Depth		3 (m)		*Est. Present Water Level Depth		4 (m)	
HAZARDS (circle yes or no for each item))											
High Water?	Yes	No	Scour?	Yes	No	Ice?	Yes	No	Debris?	Yes	No
Comments											
REPAIRS: ☐ Recommended ☐ Not required (H = High, M = Medium, L = Low)											
Repair Item #	*Priority (circle)			*Estimate (\$)		*Repair Description					
1	H	M	L			REPLACE RAILS WITH ANY INDUSTRIAL HUALUNQ.					
2	H	M	L			REPLACE DAMAGED + RIVEN RUNNING PLATES.					
3	H	M	L								
*Monitoring Status: ☐ Recommended ☐ Not required											
Monitor Item #	*Monitor Description										
1											
2											
PHOTO LOG											
Photo #	Description			Photo #			Description				
	RIGHT TO LEFT						1				
	LEFT TO RIGHT						DOWN STREAM				
	RAIL DAMAGE						LEFT ABUT				
	DAMAGE DET			x2			RIGHT ABUT				
INSPECTOR TO COMPLETE THIS SECTION											
As-built Drawings Checked?			P Eng Inspection Required?			Yes			No		
Inspector's Signature			Inspector's Name (print)			Inspector's Signature			Inspector's Signature		
2010-09-08			Onsite Engineering Ltd.			Ali Sudekhan			2010-12-02		
PROFESSIONAL ENGINEER (PENG) TO COMPLETE THIS SECTION											
Current Load Rating GVW (tonnes):			91			Date of Next Planned Inspection (yyyy/mm/dd)			2012/09/01		
Reviewer Company Name			Reviewed by - PEng's Name (print)			Reviewed by - PEng's Sign			Date Reviewed (yyyy/mm/dd)		
MNRO			G. Dohm			Ali Sudekhan			2010/12/02		
PENG Reviewer's Comments			Replace broken planking and rotten curb rails.								

* Denotes Mandatory Information for Corporate Bridge Register





CK2224 Damaged deck 2



P9080006



CK2224 Left abutment



CK2224 From downstream



CK2224 Right abutment



CK2224 Underneath

(H)

Sep 9



BC Ministry of
Forests and Range

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

Page 1 of 2

GENERAL	
*Structure #	*Site #: CK225
*Type/Class: ☐ Permanent Bridge ☒ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: Pitt River	Kilometres: 29.6
*Project File ID#: 8394	*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): (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.2225



BC Ministry of
Forests and Range

Corporate Bridge Register (CBR)

Structure Inventory Data Form "BRIDGES"

Page 2 of 2

STRUCTURAL DETAILS			
Number of Spans: <u>2</u>		Length of Spans (m) [e.g. for a 3-span bridge - 20, 35, 20] <u>13.1, 10.3</u>	
Number of Piers: <u>1</u>		Pier Type: ☐ Concrete ☐ Piles - Concrete ☐ Piles - Timber Treated ☐ Steel Column on Concrete Pad ☒ Crib - Timber ☐ Piles - Steel ☐ Piles - Timber Untreated	
Needle Beams? ☒ Yes ☐ No		Portable Structure? ☐ Yes ☒ No	Portable Superstructure Status: ☐ Installed ☐ Storage
Portable Superstructure Storage Location:			
*Bridge Length (metres): <u>31.4</u>		*Superstructure: ☐ Compo Girders ☐ Concrete Cast in Place ☐ Concrete Slab Girders ☒ Log Stringer ☐ Steel I-Beam ☐ Timber-Treated Stringers ☐ Concrete Box Beam ☐ Concrete I/T Beam ☐ Glulam Girder ☐ Steel Box Beam ☐ Steel Truss/Bailey/Acrow ☐ Timber-Untreated Stringers ☐ Rail Car ☐ Other	
*Deck Type: ☐ Concrete ☐ Concrete Removable ☐ Timber-Treated ☐ Timber-Treated Panels		*Deck Width (metres): <u>4.3</u> ☐ Concrete Composite ☐ Concrete - Steel Free ☒ Timber-Untreated ☐ Timber-Untreated Panels ☐ Gravel ☐ Steel ☐ Other	
*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 #: 116-2225	*Crossing Name:	*Type/Class: ☐ Major Culvert ☒ Woodlot/Log Culvert	*Project File ID# 2394
*Structure #: PTH RIVER	*Forest District: Chilliwack	*Kilometres: 24.6	*Br. 1
*SSR Name: PTH RIVER		User km:	
Longitude: (ddd / mm / ss.s) 119 42 23.4		UTM Zone: 18R	UTM Northing
Latitude: (ddd / mm / ss.s) 49 43 17.4			
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		
Delineator Missing Left	0 1 2		
Delineator Missing Right	0 1 2		
Fender Condition	E G F P <u>(None)</u> UR		
Posted Load Rating	(tonnes) or (kN)	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 Crib	E G <u>(F)</u> P N/A UR	LEFT ABUT: OPEN FACED 2X CRIB	
Tie-backs	E G <u>(F)</u> P N/A UR	2X ON LEFT ABUT. 3X ON RIGHT.	
Bin Wall	E G F P <u>(N/A)</u> UR		
Concrete (cast in place; foot blocks, breast)	E G F P <u>(N/A)</u> UR		
Caps or Sills	E G F <u>(P)</u> N/A UR	ROTTEN 4" TIMBER SILLS ON TOP	
Pile or Posts	E G F P <u>(N/A)</u> UR	SLABS.	
Ballast Wall	E G <u>(F)</u> P N/A 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 <u>(F)</u> P N/A UR	CRIB LASHED	
Fill	E G <u>(F)</u> P N/A UR		
Riprap	E <u>(G)</u> F P N/A UR		
Beatings	E G <u>(F)</u> P N/A UR		
Corrosion Protection	E G F P <u>(N/A)</u> UR		
Span 1 of 1 (spans are numbered) consecutively starting from the left abutment)			
Additional Spans: Submit for Multiple Spans			
DECK			
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)	
Running Surface (use if running surface is gravel or finer plank)	E G F P <u>(N/A)</u> UR		
Running Planks	E G F <u>(P)</u> N/A UR	ROTTEN 4"X12" TIMBER PLANKS	
Sub-deck	E G F P <u>(N/A)</u> UR		
Ties	E G F <u>(P)</u> N/A UR	ROTTEN 8"X8" TIMBER	
Nails	E G <u>(F)</u> P N/A 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 F P <u>(N/A)</u> UR		
Gravel Deck Depth	metres or <u>(N/A)</u>		
Curb Rail/Block/Posts	E G <u>(F)</u> P UR	LARGE DIAMETER LOGS LASHED TO OUTSIDE	
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 P <u>(P)</u> UR	Due to rotten ties + planks	

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

GENERAL INFORMATION											
*Site #: CK-2225						*Structure #:					
SUPERSTRUCTURE (stringers numbered from upstream side of bridge)											
Item		Present Condition (circle)				Comments (a comment is mandatory if condition "Poor" is selected)					
Log Curb		E G F P (UR)									
Needle Beams and Shims		E G F P (UR)									
Stringer #		Peel? (circle)		Diameter (mm) or Width x Depth (mm x mm)		Rot Depth Side (mm)		Rot Depth Top (mm)		Comments	
1	FR	N	Y	N	70						ROTTEN.
2	H	Y	N	200							POOR CONDITION
3	H	Y	N	70							FRUIT. BODIES.
4	H	Y	N	90							
5	H	Y	N	100							VERY POOR CONDITION
6	Y	N									
7	Y	N									
8	Y	N									
9	Y	N									
10	Y	N									
Stream CHANNEL											
*Est. Present Water Level Depth 1.5 (m)		*Est. Present Water Level Depth 6 (m)		*Est. Present Water Level Depth 2.9 (m)							
HAZARDS (circle yes or no for each item)											
High Water?	Yes	No	Scour?	Yes	No	Ice?	Yes	No	Debris?	Yes	No
Comments											
REPAIRS: ☐ Recommended ☐ Not required (H = High, M = Medium, L = Low)											
Repair Item #	*Priority (circle)	*Estimate (\$)		*Repair Description							
1	H	M	L	POST 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				
	RIGHT TO LEFT						UNDEREARTH SPAN #1				
	LEFT TO RIGHT						UNDEREARTH PIER #1				
	LEFT PIER						LEFT PIER				
	RIGHT PIER						RIGHT PIER				
INSPECTOR TO COMPLETE THIS SECTION											
As-Built Drawings Checked? Yes ☒ No ☐	P Eng Inspection Required? Yes ☐ No ☒		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 status known in CBR as necessary).											
*Date of Inspection (yyyy/mm/dd) 2010-09-03		*Inspection Company Name Onsite Engineering LTD.		*Inspector's Name (print) Ali Sadehghi		Inspector's Signature					
Inspector's Comments											
PROFESSIONAL ENGINEER TO COMPLETE THIS SECTION											
Current Load Rating GW (tonnes): condemned Date of Next Planned Inspection (yyyy/mm/dd) Not applicable											
(P Eng to update structure status known in CBR as necessary)											
Reviewer Company Name Onsite Engineering LTD	Reviewed by - P Eng's Name (print) G. Dohm	Review	Date Reviewed (yyyy/mm/dd) 2010/12/02								
P Eng Reviewer's Comments											

ALL STRINGERS
DAPPED

ALL STRINGERS

UNDEREARTH SPAN
#2
ROTTEN LOGS
NEEDLE BEAMS
FOLLOWING STREAM
FOLLOWING STREAM

Close bridge by barricades or remove bridge.

* Denotes Mandatory Information for Corporate Bridge Registrar
FS1337A HEG Aug 3, 2010
In CBR there is some sort of mix-up on this bridge number.



Routine Condition Bridge Inspection Form
(for log or timber stringer structures)

USE THIS SHEET FOR ADDITIONAL SPANS

GENERAL INFORMATION									
Site #		Structure #							
Span		of (spans are numbered consecutively starting from the left abutment)							
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	ROTTEN 4" x 12" TIMBER							
Sub-deck	E G F P <u>N/A</u> UR								
Ties	E G F P <u>N/A</u> UR	ROTTEN 8" x 8" TIMBER							
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 F P <u>N/A</u> UR								
Gravel Deck Depth	metres or <u>N/A</u>								
Curb Rail/Blocks/Posts	E G F P UR								
Handrails/ Walkouts	E G F P N/A UR								
Hardware	E G F P N/A UR								
Overall Deck Condition	E G F P UR								
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 F P <u>UR</u>								
Needle Beams and Shims	E G F P <u>N/A</u> UR	X 2							
Stringer #	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	700				ROTTEN			
2	Y N	850	250						
3	Y N	700							
4	Y N	890				ROTTEN			
5	Y N	750							
6	Y N								
7	Y N								
8	Y N								
9	Y N								
10	Y N								
PIER of (piers are numbered consecutively starting from the left abutment)									
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)							
Caps	E G F P UR	TIMBER							
Piles or Posts	E G F P <u>N/A</u> UR								
Concrete	E G F P <u>N/A</u> UR								
Bracing or Sheathing	E G F P <u>N/A</u> UR								
Cribs	E G F P N/A UR	3x 6x OPEN FACED							
Hardware	E G F P <u>N/A</u> UR	LASHED							
Rip Rap	E G F P N/A UR								
Dolphins	E G F P <u>N/A</u> UR								
Bearings	E G F P N/A UR								
Wall	E G F P <u>N/A</u> UR								
Overall	E G F P UR								



CK2225 Right to left



CK2225 Left to right



CK2225 Left abutment



CK2225 Right abutment



CK2225 Underneath span 1



CK2225 Pier#1 from upstream



CK2225 Left of Pier#1



CK2225 Right of Pier#1



CK2225 Underneath span 2



CK2225 From upstream



CK2225 From downstream



CK2225 Rotten stringer





BC Ministry of
Forests and Range

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

Page 1 of 2

GENERAL	
*Structure #	*Site #: CX-2226
*Type/Class: ☒ Permanent Bridge ☐ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: PTT-Boise	Kilometres: 0.31
*Project File ID#: 18394	*Br. 01
Built For: ☐ BC Timber Sales ☐ Other Commercial Users ☐ Road Use Permit Holder	☐ Operations Division ☐ Road Permit Holder
*Source: ☐ Inherited: Found Structure ☐ Inherited: Non-Status Road ☐ Inherited: Reallocation ☐ New Structure ☐ Replacement Structure	☐ Inherited: From Oil & Gas/ Other Ministry ☐ Inherited: Transfers from Other Ministries
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-2226



BC Ministry of
Forests and Range

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

Page 2 of 2

STRUCTURAL DETAILS			
Number of Spans: 4		Length of Spans (m) [e.g. for a 3-span bridge – 20, 35, 20] 17.9, 19.3, 40, 10.2	
Number of Piers: 3		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 Superstructure Status: ☐ Installed ☐ Storage			
Portable Superstructure Storage Location:			
*Bridge Length (metres): 90.4 *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): 3.0	
*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 #: CK-2226	*Crossing Name:	*Type/Class: ☒ Temporary bridge ☐ Permanent bridge	*Project File ID# R394		
*Structure #:		*Kilometre: 0.3	*Br. 01	User km:	
*FSR Name: P11 - Boise	*Forest District Chilliwack				
Longitude: (ddd / mm / ss.s) 49 34 36.9		OR	UTM Zone	UTM Easting	UTM Northing
Latitude: (ddd / mm / ss.s) 122 38 33.4					
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				
Delineator Missing Left	<u>0</u> 1 2				
Delineator Missing Right	<u>0</u> 1 2				
Fender Condition	E G <u>F</u> P None UR	OLD LOGS			
Posted Load Rating	(Item) or None	NOT RATED			
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 <u>F</u> P N/A UR	STEEL CAP, ONLY ON RIGHT ABUT.			
Piles or Posts	E G <u>F</u> P N/A UR	11 Beam Piles			
Ballast Wall	E G <u>F</u> P N/A UR	Timber treated			
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 P <u>N/A</u> UR				
Fill	E <u>G</u> F P N/A UR				
Riprap	E G <u>F</u> P N/A UR				
Bearings	E <u>G</u> F P N/A UR	welded connection			
Corrosion Protection	E G F P <u>N/A</u> UR				
Span 1 of 4 (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 <u>F</u> P N/A UR	TIMBER 3x12 SOME PLANKS BULGED			
Sub-deck	E G <u>F</u> P N/A UR	TIMBER 4"			
Ties	E G <u>F</u> P N/A UR	8" x 16" TREATED TIES WITH 400mm C-C SPACING			
Nails	E G <u>F</u> P N/A UR				
Dock 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 F P <u>N/A</u> UR				
Gravel Deck Depth	metres <u>0</u> N/A				
Curb Rail/Blocks/Posts	E G <u>F</u> P UR	OLD TIMBER RAILS - RENEW			
Handrails/Walkouts	E G F P <u>N/A</u> UR				
Hardware	E G <u>F</u> P N/A UR	RAILS LODGE IN SECTIONS			
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									
File # 01-2220									
SUPERSTRUCTURE									
Item		Present Condition (circle)			Comments (is comment mandatory if condition "Poor" is selected)				
Girders		E G (F) P UR			Steel T-beams				
Diaphragms		E G F P (N/A) UR							
Bracing		E (G) F P N/A UR			Welded				
Under-framing		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			Welded connections				
STREAM CHANNEL									
Flood Present Water Level Depth		1.5 (m)		Flood Present Water Level Depth		1.9 (m)		Flood Present Water Level Depth	
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 WD between Piers 1 & 2 on second span.									
REPAIRS: (circle recommended, or Not recommended)									
Repair Item #	Priority (circle)	Estimated \$		Repair Description					
1	H M L								
2	H M L								
3	H M L								
Monitor Item Status: ☒ Recommended ☐ Not required ☐ Monitor Description									
Monitor Item #	Monitor Description								
1	Monitor DEBRIS BETWEEN PIER #1, #2.								
2									
PHOTO LOG:									
Photo #	Description	Photo #	Description						
EPDM DOWNSTREAM			UNDERNEATH SPAN #1						
EPDM UPTREAM			PIER #1 RIGHT SIDE						
LEFT ABUT X 2			PIER #2 LEFT SIDE						
PIER #1 LEFT SIDE			UNDERNEATH SPAN 2						
INSPECTOR TO COMPLETE THIS SECTION									
As-built Drawings Checked?	Yes (No)	P Eng Inspection Required?	Yes (No)	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)					
Inspector's Name (print)	Inspector's Company Name	Inspector's Signature							
2010-09-09	DASIS ENGINEERING	Ali Sadejha							
PROFESSIONAL ENGINEER (PEP) TO COMPLETE THIS SECTION									
Current Load Rating GVW (tonnes):	91	Date of Next Planned Inspection (yyyy/mm/dd)	2012/09/01						
(P Eng to update structure details screen in CBR as necessary)									
Reviewer Company Name	Reviewed by - P Eng's Name (print)	Reviewed by - P Eng's Signal	Date Reviewed (yyyy/mm/dd)						
MNRO	G. Dohm		2010/12/02						
P Eng Reviewer's Comments		Replace broken and rotten planking							
P Eng Reviewer's Signature									

photos

LEFT SIDE PIER #3 X 2

LEFT TO RIGHT

DAMAGE DUE

WINDY DEBRIS SPAN 2 X 2

RIGHT TO LEFT

RIGHT SIDE OF PIER #2

LEFT SIDE PIER #3

UNDERNEATH SPAN #3

RIGHT SIDE PIER #3

RIGHT ABUT

UNDERNEATH SPAN #4



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

USE THIS SHEET FOR ADDITIONAL SPANS

GENERAL INFORMATION	
Site # <u>CK-2226</u>	Structure #

Span 2 of 4 (spans are numbered consecutively starting from the left abutment)

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 (N/A) UR	
Running Planks	E G F P N/A UR	Some of planks red. RE PACKING.
Sub-deck	E G F P N/A UR	Timber 4" thick. TREATED
Ties	E G F P N/A UR	Timber - 8x6"
Nails	E G F P N/A UR	
Deck to Girder Bolts	E G F P (N/A) UR	
Concrete Deck	E G F P N/A UR	
Grout Pockets	E G F P N/A UR	
Deck Joints	E G F P N/A UR	
Steel Deck Plate	E G F P N/A UR	
Gravel Surface	E G F P N/A UR	
Gravel Deck Depth	metres or (N/A)	
Curb Rail/Blocks/Posts	E G F P UR	Rails visible
Handrails/ Walkouts	E G F P N/A UR	
Hardware	E G (F) P N/A UR	
Overall Deck Condition	E G (F) P UR	

SUPERSTRUCTURE		
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)
Girders	E G (F) P UR	Steel I-Beams
Diaphragms	E G F P (N/A) UR	
Bracing	E (G) F P N/A UR	Bolts
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	

PIER <u>1</u> of <u>3</u> (piers are numbered consecutively starting from the left abutment)		
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)
Caps	E G F P (UR)	H-Piles welded to I-Beams
Piles or Posts	E G (F) P N/A UR	H-Piles
Concrete	E G (F) P N/A UR	Cast in Place (CIP)
Bracing or Sheathing	E G (F) P N/A UR	
Cribs	E G F P (N/A) UR	
Hardware	E G (F) P N/A UR	Bolts to CIP
Rip Rap	E G F P (N/A) UR	
Dolphins	E G F P (N/A) UR	
Bearings	E G (F) P N/A UR	Welded.
Wall	E G F P (N/A) UR	
Overall	E G (F) P UR	

4th span = 10.2
3rd span = 40
2nd span = 19.3
1st span = 17.7

49.6
- 29.5
20



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

USE THIS SHEET FOR ADDITIONAL SPANS

GENERAL INFORMATION			
Site # CK-2226		Structure #	
Span 3 of 4 (spans are numbered consecutively starting from the left abutment)			
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 <u>F</u> P N/A UR	SOME NEW REPAIRING.	
Sub-deck	E G F P N/A UR	4" TREATED TIMBER	
Ties	E G F P N/A UR	3x10" TREATED TIMBER	
Nails	E G <u>F</u> P N/A UR		
Deck to Girder Bolts	E G F P <u>N/A</u> UR		
Concrete Deck	E G F P N/A UR		
Grout Pockets	E G F P N/A UR		
Deck Joints	E G F P N/A UR		
Steel Deck Plate	E G F P N/A 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 F P <u>UR</u>		
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 P <u>UR</u>		
SUPERSTRUCTURE			
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)	
Girders	E G <u>F</u> P UR		
Diaphragms	E G F P <u>N/A</u> UR		
Bracing	E G <u>F</u> P N/A UR		
Under-trussing	E G F P <u>N/A</u> UR		
Hardware	E G <u>F</u> P N/A UR		
Welded / Grouted Shear Connectors	E G F P <u>N/A</u> UR		
PIER 2 of 3 (piers are numbered consecutively starting from the left abutment)			
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)	
Caps	E G F P <u>UR</u>		
Piles or Posts	E G F P <u>N/A</u> UR		
Concrete	E G <u>F</u> P N/A UR	CRACK IN PLATE	
Bracing or Sheathing	E G F P <u>N/A</u> UR		
Cribs	E G F P <u>N/A</u> UR		
Hardware	E G <u>F</u> P N/A UR		
Rip Rap	E G F P <u>N/A</u> UR		
Dolphins	E G F P <u>N/A</u> UR		
Bearings	E G <u>F</u> P N/A UR		
Wall	E G F P <u>N/A</u> UR		
Overall	E G <u>F</u> P UR		



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

USE THIS SHEET FOR ADDITIONAL SPANS

GENERAL INFORMATION			
Site #	Structure #		
Span 4 of 4 (spans are numbered consecutively starting from the left abutment)			
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 <u>F</u> P N/A UR		Some RUNNING REPLACING.
Sub-deck	E G F P N/A UR		4" TREATED TIMBER
Ties	E G F P N/A UR		8" X 10" TREATED TIMBER
Nails	E G <u>F</u> P N/A UR		
Deck to Girder Bolts	E G F P <u>N/A</u> UR		
Concrete Deck	E G F P N/A UR		
Grout Pockets	E G F P N/A UR		
Deck Joints	E G F P N/A UR		
Steel Deck Plate	E G F P N/A 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 F <u>P</u> UR		
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		
SUPERSTRUCTURE			
Item	Present Condition (circle)		Comments (a comment is mandatory if condition "Poor" is selected)
Girders	E G <u>F</u> P UR		
Diaphragms	E G F P <u>N/A</u> UR		
Bracing	E G <u>F</u> P N/A UR		
Under-trussing	E G F P <u>N/A</u> UR		
Hardware	E G <u>F</u> P N/A UR		
Welded / Grouted Shear Connectors	E G <u>F</u> P N/A UR		PILES NEEDED TO H-PILE CAPS
PIER 3 of 3 (piers are numbered consecutively starting from the left abutment)			
Item	Present Condition (circle)		Comments (a comment is mandatory if condition "Poor" is selected)
Caps	E G <u>F</u> P UR		H - PILE STEEL CAPS
Piles or Posts	E G <u>F</u> P N/A UR		H - PILES. x 4
Concrete	E G F P <u>N/A</u> UR		
Bracing or Sheathing	E G <u>F</u> P N/A UR		
Cribs	E G F P <u>N/A</u> UR		
Hardware	E G <u>F</u> P N/A UR		
Rip Rap	E G F P <u>N/A</u> UR		
Dolphins	E G F P <u>N/A</u> UR		
Bearings	E G <u>F</u> P N/A UR		
Wall	E G F P <u>N/A</u> UR		
Overall	E G <u>F</u> P UR		



CK2226 From downstream



CK2226 From upstream



CK2226 Left abutment



CK2226 Left of Pier#1



CK2226 Underneath span 1



CK2226 Right of Pier#1



CK2226 Left of Pier#2



CK2226 Underneath span 2



CK2226 Right of Pier#3



CK2226 Left to right



CK2226 Damaged deck



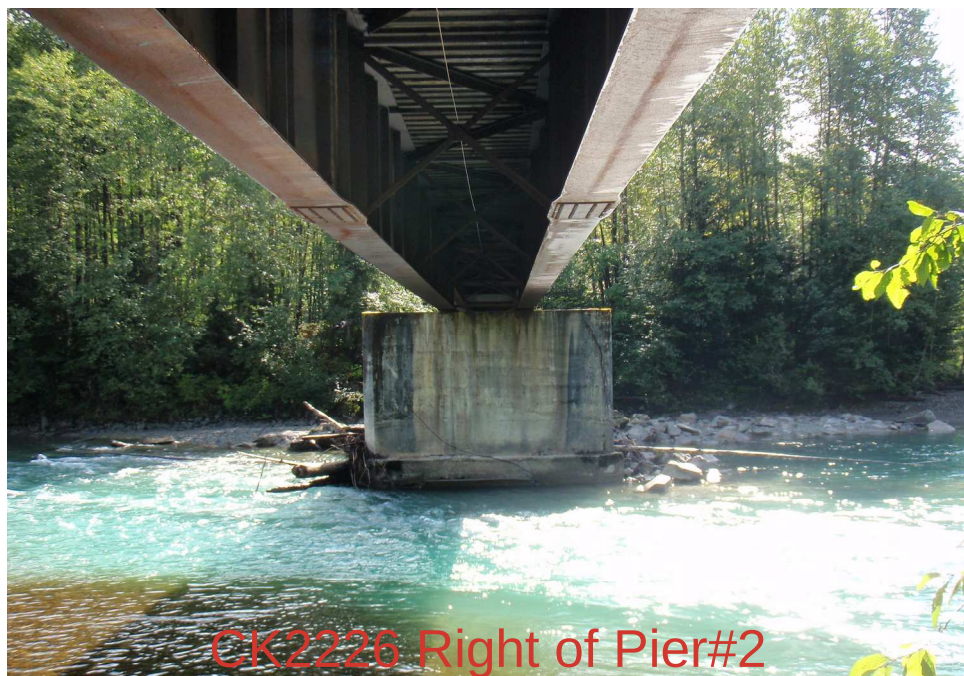
CK2226 Debris jam



CK2226 Debris jam 2



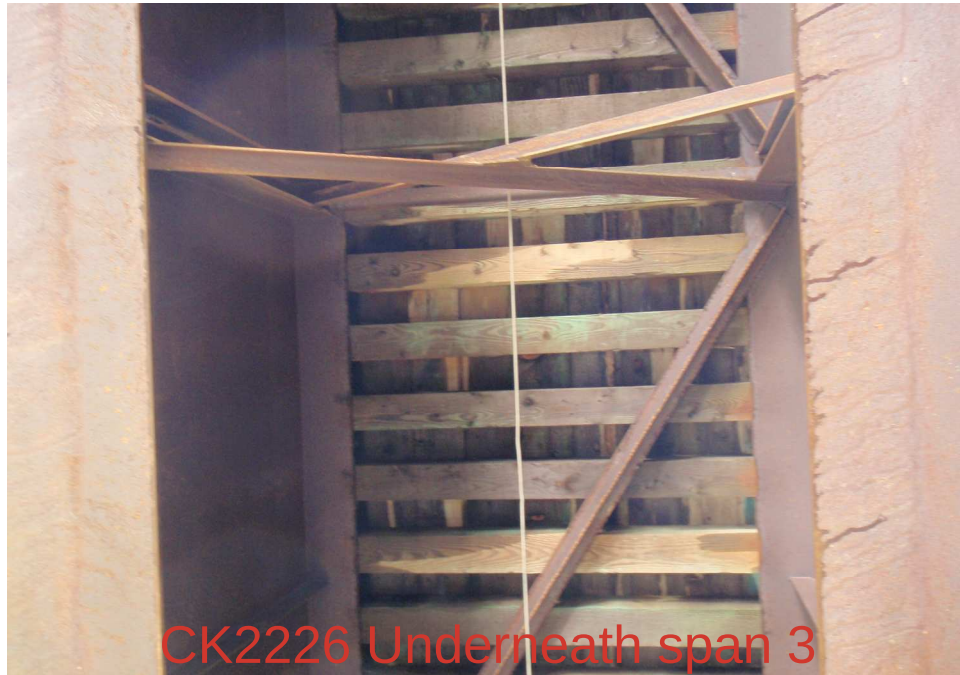
CK2226 Right to left



CK2226 Right of Pier#2



CK2226 Right of Pier#3 pic2





BC Ministry of
Forests and Range

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

Page 1 of 2

GENERAL	
*Structure #	*Site #: CK 2227
*Type/Class: ☐ Permanent Bridge ☒ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: 014 Boise	Kilometres: 2.0
*Project File ID#: 8394	*Br. 02
Built For: ☐ BC Timber Sales ☐ Other Commercial Users ☐ Road Use Permit Holder	☐ Operations Division ☐ Road Permit Holder
*Source: ☐ Inherited: Found Structure ☐ Inherited: Non-Status Road ☐ Inherited: Reallocation ☐ New Structure ☐ Replacement Structure	☐ Inherited: From Oil & Gas/ Other Ministry ☐ Inherited: Transfers from Other Ministries
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-2227



BC Ministry of
Forests and Range

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

Page 2 of 2

STRUCTURAL DETAILS	
Number of Spans: 1	Length of Spans (m) [e.g. for a 3-span bridge – 20, 35, 20]
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? ☒ No Portable Superstructure Status: ☐ Installed ☐ Storage
Portable Superstructure Storage Location:	
*Bridge Length (metres): 9.2 ☐ 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 Width (metres): 5.8
*Deck Type: ☐ Concrete ☐ Concrete Composite ☒ Gravel ☐ Concrete Removable ☐ Concrete - Steel Free ☐ Steel ☐ Timber-Treated ☐ Timber-Untreated ☐ Other ☐ Timber-Treated Panels ☐ Timber-Untreated Panels	
*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

*Site #: CK-2227	*Crossing Name:	*Type/Class: ☒ Major Culvert ☐ Woodbox/Log Culvert	(enter either long/lat or UTM below - not both)	
*Structure #:		*Project File ID# 8394	*Br. 02	
*FSR Name: PITT BOISE	*Forest District: CHILLIWACK	*Kilometres: 2.0	User km:	
Longitude: (ddd / mm / ss.s) 49 35 17.1	UTM Zone OR	UTM Easting	UTM Northing	
Latitude: (ddd / mm / ss.s) 122 38 53.1				

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) P UR	
Bridge Ahead Signs Missing	0 1 (2)	
Brushing Required	(Yes) No	
Delineator Missing Left	0 1 2	
Delineator Missing Right	0 1 2	
Fender Condition	E G F P (None) UR	
Posted Load Rating	(tonnes) or None	NUT POSTED
Road Surface	E G (F) 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 N/A UR	3x CLOSED FACED CR
Tie-backs	E G (F) P N/A UR	3x
Bin Wall	E G F P (N/A) UR	
Concrete (cast in place, lock blocks, precast)	E G F P (N/A) UR	
Caps or Sills	E G F P (N/A) UR	
Piles or Posts	E G F P (N/A) UR	
Ballast Wall	E G F P (N/A) UR	
Wing Wall	E G F P (N/A) UR	
Bracing	E G F P (N/A) UR	
Hardware	E G (F) P N/A UR	CASHE AT ENDS BUT LODGE
Fill	E G (F) P N/A UR	
Riprap	E G F P (N/A) UR	
Bearings	E G (F) P N/A UR	
Corrosion Protection	E G F P (N/A) 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 similar plants)	E G F P (N/A) UR	
Running Planks	E G F P (N/A) UR	
Sub-deck	E G F P (N/A) UR	
Ties	E G F P (N/A) UR	
Nails	E G F P (N/A) UR	
Deck to Girder Bolts	E G F P (N/A) UR	
Concrete Deck	E G F P (N/A) UR	
Grout Pockets	E G F P (N/A) UR	
Deck Joints	E G F P (N/A) UR	
Steel Deck Plate	E G F P (N/A) UR	
Gravel Surface	E G F (P) N/A UR	0.5m HOLE AT MID SPAN, LOSE TO RIGHT ABUT
Gravel Deck Depth	0.4 metres or N/A	
Curb Rail/Blocks/Posts	E G F (P) UR	NOT HIGH ENOUGH
Handrails/ Walkouts	E G F P N/A UR	
Hardware	E G F P N/A UR	
Overall Deck Condition	E G F P UR	



Routine Condition Bridge Inspection Form

(for log stringer or timber stringer bridges)

GENERAL INFORMATION											
*Site #: CK - 2227		*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 F P UR									
Needle Beams and Shims		E G F (P) N/A UR		NO SECTIVE							
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	CW	Y N	700	15							
2	"	Y N	800	15							
3	"	Y N	900	15							
4	"	Y N	830	20						L=9.2m	
5	"	Y N	930	20						Gravel=0.7m	
6	"	Y N	800	20							
7	"	Y N	940	30							
8	"	Y N	900	20							
9	"	Y N	800	20							
10	"	Y N	640							ROTTER	
Stream CHANNEL											
*Est. Present Water Level Depth 22.1 (m)		*Est. Present Water Level Depth 2 (m)		*Est. Present Water Level Depth 10.2 (m)							
HAZARDS (circle yes or no for each item)											
High Water?	Yes No	Scour?	Yes No	Ica?	Yes No	Debris?	Yes No	Aggradation?	Yes No		
Comments											
REPAIRS:											
Repair Item #	Priority (circle)	Recommended		Not required (H = High, M = Medium, L = Low)		Repair Description					
1	H M L										
2	H M L										
3	H M L										
Monitoring Status:											
Monitor Item #	Recommended	Not required		Monitor Description							
1											
2											
PHOTO LOG											
Photo #	Description	Photo #		Description							
	RIGHT TO LEFT			LEFT ABUTMENT							
	LEFT TO RIGHT			RIGHT ABUTMENT							
	FROM UPSTREAM			UNDERNEATH							
	FROM DOWNSTREAM			HOLE ONE STRUCTURE							
INSPECTOR TO COMPLETE THIS SECTION											
As-built Drawings Checked?	Yes No	P Eng Inspection Required?		Yes No	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) 2010-08-08		*Inspection Company Name Onit Engineering Ltd		*Inspector's Name (print) Ali Sadeghi		Inspector's Signature					
Inspector's Comments RECALCULATE LOAD LIMIT FOR STRUCTURE.											
PROFESSIONAL ENGINEER TO COMPLETE THIS SECTION											
Current Load Rating GW (tonnes): 62		Date of Next Planned Inspection (yyyy/mm/dd) 2011/09/01									
(P Eng to update structure details screen in CBR as necessary)											
Reviewer Company Name MNRO		Reviewed by - P Eng's Name (print) G. Dohm		Reviewed by - P Eng's Name (print) Ali Sadeghi		Date Reviewed (yyyy/mm/dd) 2010/12/02					
P Eng Reviewer's Comments Repair sink hole in gravel deck. Align traffic clear of rotting outside stringer.											

* Denotes Mandatory Information for Corporate Bridge Registrar

FS1337A HEG Aug 3, 2010

BCL-625 or 62 tonnes. Please post.



CK2228 Right to left



CK2228 Hole over structure



CK2228 Left to right



CK2228 From upstream



CK2228 From downstream



CK2228 Underneath



CK2228 Right abutment



CK2228 Left abutment



BC Ministry of
Forests and Range

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

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INACTIVE

(H)

Sept 03

GENERAL	
*Structure #	*Site #: CK2228
*Type/Class: ☐ Permanent Bridge ☒ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: P.A. 15052	Kilometres: 3.2
*Project File ID#: 8344	*Br. 02
Built For: ☐ BC Timber Sales ☐ Other Commercial Users ☐ Road Use Permit Holder	☐ Operations Division ☐ Road Permit Holder
*Source: ☐ Inherited: Found Structure ☐ Inherited: Non-Status Road ☐ Inherited: Reallocation ☐ New Structure ☐ Replacement Structure	☐ Inherited: From Oil & Gas/ Other Ministry ☐ Inherited: Transfers from Other Ministries
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

OK - 2028



BC Ministry of
Forests and Range

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

Page 2 of 2

STRUCTURAL DETAILS			
Number of Spans: <u>1</u>	Length of Spans (m) [e.g. for a 3-span bridge – 20, 35, 20]		
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): <div style="font-size: 1.5em; text-align: center;">8.3</div>	*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: ☐ Concrete ☐ Concrete Removable ☐ Timber-Treated ☐ Timber-Treated Panels	☐ Concrete Composite ☐ Concrete - Steel Free ☐ Timber-Untreated ☐ Timber-Untreated Panels		*Deck Width (metres): <div style="font-size: 1.5em; text-align: center;">5.6</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:			



BC Ministry of Forests and Range
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 2228	*Crossing Name:	*Type/Cross:	☐ Major Culvert ☒ Woodbox/Log Culvert		*Project File ID#	R 3094
*Structure #:		*Kilometres:	3.2		*Br:	02
*FSR Name: PT POISE	*Forest District: CHILWICK	*User km:				
Longitude: (ddd / mm / ss.s)	49 35 56.4	OR	UTM Zone	UTM Easting	UTM Northing	
Latitude: (ddd / mm / ss.s)	122 29 08.1					
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				
Alignment	E G F P UR					
Bridge Ahead Signs Missing	0 1 3					
Brushing Required	Yes No					
Delineator Missing Left	0 1 2					
Delineator Missing Right	0 1 2					
Fender Condition	E G F P (None) UR					
Posted Load Rating	(tonnes) or None	NOT RATED				
Road Surface	E G (F) P UR					
LEFT/RIGHT ABUTMENTS (as seen facing downstream)						
Item	Present Condition (circle)	Comments				
Log/Timber Crib	E G (F) P N/A UR	(a comment is mandatory if condition "Poor" is selected)				
Tie-backs	E G (F) P N/A UR	2x Prefaced Crib / 100mm gap at 3x Cw				
Bin Wall	E G F P (N/A) UR					
Concrete (cast in place; lock blocks, precast)	E G F P (N/A) UR					
Caps or Sills	E G F P (N/A) UR					
Piles or Posts	E G F P (N/A) UR					
Ballast Wall	E G F P (N/A) UR					
Wing Wall	E G F P (N/A) UR					
Bracing	E G F P (N/A) UR					
Hardware	E G (F) P N/A UR	Cable ends & midspan – midspan loose.				
Fill	E G F P N/A UR					
Riprap	E G F P (N/A) UR					
Bearings	E G (F) P N/A UR					
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				
Running Surface (N/A if running surface is gravel or timber planks)	E G F P (N/A) UR	(a comment is mandatory if condition "Poor" is selected)				
Running Planks	E G F P (N/A) UR					
Sub-deck	E G F P (N/A) UR					
Ties	E G F P (N/A) UR					
Nails	E G F P (N/A) UR					
Deck to Girder Bolts	E G F P (N/A) UR					
Concrete Deck	E G F P (N/A) UR					
Grout Pockets	E G F P (N/A) UR					
Deck Joints	E G F P (N/A) UR					
Steel Deck Plate	E G F P (N/A) UR					
Gravel Surface	E G (F) P N/A UR					
Gravel Deck Depth	0.6 metres or N/A					
Curb Rail/Blocks/Posts	E G F (P) UR	Not high enough, doesn't meet 250mm Req.				
Handrails/ Walkouts	E G F P (N/A) UR					
Hardware	E G F P (N/A) UR	No stringer lashings				
Overall Deck Condition	E G (F) P UR					



BC Ministry of Forests and Range
Routine Condition Bridge Inspection Form
(for log stringer or timber stringer bridges)

GENERAL INFORMATION

*Site #: CR-2028

*Structure #:

SUPERSTRUCTURE (stringers numbered from upstream side of bridge)

Item	Present Condition		Comments			
	E	G	F	(P) UR	(a comment is mandatory if condition "Poor" is selected)	
Log Cuts	E	G	F	(P) UR	bashed over structure not with stringers	
Needle Beams and Shims	E	G	F	(P) N/A UR		
Stringer #	Wood Species	Peel'd? (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)	800	150		
2	Y	(N)	800	100		
3	Y	(N)	860	100		
4	Y	(N)	820	100		
5	Y	(N)	760	50		L=8.3m
6	Y	(N)	850	50		Gravel=0.6m
7	Y	(N)	800	50		
8	Y	(N)		50		
9	Y	(N)	820	50		
10	Y	(N)	650	150		

Stream Channel

*Est. Present Water Level Depth 0 (m) *Est. Present Water Level Depth 1.0 (m) *Est. Present Water Level Depth 1.0 (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		
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
	RIGHT TO LEFT		RIGHT ABOUT
	LEFT TO RIGHT		LEFT ABOUT
	UPSTREAM		DOWNSTREAM

INSPECTOR TO COMPLETE THIS SECTION

As-built Drawings Checked? Yes (No) P Eng Inspection Required? Yes (No) 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) 2010-09-08 *Inspection Company Name Onite Engineering HV *Inspector's Name (print) Al. Badelger *Inspector's Signature

Inspector's Comments Consider Recalculation structures load capacity.

PROFESSIONAL ENGINEER TO COMPLETE THIS SECTION

Current Load Rating Gvw (tonnes): 62 Date of Next Planned Inspection (yyyy/mm/dd) 2012/09/01 (P Eng to update structure details screen in CBR as necessary)

Reviewer Company Name MNRO Reviewed by - P Eng's Name (print) G. Dohm Reviewed by - P Eng's Signature (print) Date Reviewed (yyyy/mm/dd) 2010/12/02

P Eng Reviewer's Comments BCL-625 or 62 tonnes load rating, please post.

* Denotes Mandatory Information for Corporate Bridge Register





(4)

ACTIVE

Sep 8



BC Ministry of
Forests and Range

Page 1 of 2

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

GENERAL	
*Structure #	*Site #: CK2229
*Type/Class: ☐ Permanent Bridge ☒ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: D: H Boise	Kilometres: 4.7
*Project File ID#: 8344	*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

02-22-24



BC Ministry of
Forests and Range

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

Page 2 of 2

STRUCTURAL DETAILS			
Number of Spans: 1		Length of Spans (m) [e.g. for a 3-span bridge - 20, 35, 20] 5	
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): 5 *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	
*Running Surface: ☐ Anti-Skid ☐ Asphalt ☐ Concrete ☒ Gravel ☐ Not Available ☐ Timber Planks		*Deck Width (metres): 5.6	
*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-2289	*Crossing Name:			
*Structure #:		*Type/Class:	☐ Major Culvert ☒ Woodbox/Log Culvert	*Project File ID#	8399
*FSR Name:	Pitt Boise	*Kilometres:	4.7	*Br.	02
*Forest District:	Chilliwack	UTM Zone	UTM Easting	UTM Northing	
Longitude: (ddd / mm / ss.s)	49 36 30.2	OR			
Latitude: (ddd / mm / ss.s)	122 39 53.1				
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				
Downeater Missing Left	0 1 2				
Downeater Missing Right	0 <u>1</u> 2				
Fender Condition	E G F P <u>(None)</u> UR				
Posted Load Rating	(tonnes) or <u>None</u>	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 Crib	E G <u>F</u> P N/A UR	2x loose face CW crib w/ 300mm r-pilot - bottom crib w/ almost full covering by debris.			
Tie-backs	E G <u>F</u> P N/A UR	3x CW			
Bin Wall	E G F P <u>(N/A)</u> UR				
Concrete (cast in place; lock block, 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				
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	loose latching at ends of crib.			
Hardware	E G F P <u>(P)</u> N/A UR				
Fill	E G F P N/A UR				
Riprap	E G F P <u>(N/A)</u> UR				
Bearings	E G <u>F</u> P N/A UR				
Corrosion Protection	E G F P <u>(N/A)</u> UR				
Span 1 of 1 (spans are numbered consecutively starting from the left abutment)					
Use "Additional Span" 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				
Gravel Deck Depth	<u>0.6</u> metres or N/A	No curb logs			
Curb Rail/Block/Posts	E G F P <u>(P)</u> UR				
Handrails/Walkouts	E G F P <u>(N/A)</u> UR				
Hardware	E G F P <u>(P)</u> N/A UR	Poor - mid span timber rotative -> loose.			
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 #: CK-2229		*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 F P UR								
Needle Beams and Shims	E G F P (NA) UR	NO NEEDLE BEAM							
Stringer #	Peel? (circle)	Diameter (mm)	Width x Depth (mm x mm)	Rot Depth Bottom (mm)	Rot Depth Side (mm)	Rot Depth Top (mm)	Comments		
1	UN	800	800	100			L=5.0m		
2	UN	740	740	50			Gravel=0.6m		
3	UN	700	700	50			rotten in center		
4	UN	870	870	52					
5	UN	680	680	100					
6	UN	700	700						
7	UN	780	780	50			rotten → water log - get fixed		
8	UN	750	750	30			rotten 300mm inside		
9	UN	740	740				rotten		
10	UN	640	640				rotten		
Stream CHANNEL									
*Est. Present Water Level Depth (m)		1.2		*Est. Present Water Level Depth (m)		1.3		*Est. Present Water Level Depth (m)	
HAZARDS (circle yes or no for each item)									
High Water?	Yes (No)	Scour?	Yes (No)	Ice?	Yes (No)	Dobbs?	Yes (No)	Aggradation?	Yes (No)
Comments									
REPAIRS:									
Repair Item #	*Priority (circle)	□ Recommended		□ Not required (H = High, M = Medium, L = Low)		*Repair Description			
1	H M L					Poor Stringers → replace with industrial quality			
2	H M L					Tie all curb logs and Right Downstream detector			
3	H M L								
*Monitoring Status: □ Recommended □ Not required									
Monitor Item #	*Monitor Description								
1									
2									
PHOTO LOG									
Photo #	Description	Photo #							
1	RIGHT TO LEFT	RIGHT ABUT							
2	LEFT TO RIGHT	UNDERWEATH							
3	FROM UPSTREAM	FROM DOWNSTREAM							
4	LEFT ABUT								
INSPECTOR TO COMPLETE THIS SECTION									
As-built Drawings Checked?	Yes (No)	P Eng Inspection Required?		Yes (No)	Inspector's Estimate of Full Log Haul Traffic Replacement Date (Year):				
*Date of Inspection (yyyy/mm/dd)	2010-09-08	*Inspection Company Name	Onsite Engineering LTD		*Inspector's Name (print)	Ali Sadehghi			
Inspector's Comments	Consider lowering structure load limit based on poor stringers.								
PROFESSIONAL ENGINEER TO COMPLETE THIS SECTION									
Current Load Rating GVW (tonnes):	20	Date of Next Planned Inspection (yyyy/mm/dd)		Not applicable					
Reviewed by - PEng's Name (print)	G. Donm	Reviewed by - PEng's Name (print)	Ali Sadehghi		Date Reviewed (yyyy/mm/dd)		2010/12/06		
PEng Reviewer's Comments	Remove from CBR as this is only 5m long. (stringers look like their rotting; plan to replace).								

* Denotes Mandatory Information for Corporate Bridge Register

FS1337A HEG Aug 3, 2010



CK2229 Right to left



CK2229 Left to right



CK2229 From upstream



CK2229 Left abutment



CK2229 Right abutment



CK2229 Underneath



CK2229 From downstream

49

INACTIVE

Sep 8



BC Ministry of
Forests and Range

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

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GENERAL	
*Structure #	*Site #: CK2230
*Type/Class: ☒ Permanent Bridge ☐ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: P.H. Boise	Kilometres: 7.6
*Project File ID#: 8394	*Br. 02
Built For: ☐ BC Timber Sales ☐ Other Commercial Users ☐ Road Use Permit Holder	
*Source: ☐ Inherited: Found Structure ☐ Inherited: Non-Status Road ☐ Inherited: Reallocation ☐ New Structure ☐ Replacement Structure	
*Operations Division ☐ Road Permit Holder	
*Inherited: From Oil & Gas/ Other Ministry ☐ Inherited: Transfers from Other Ministries	
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

11-2230



BC Ministry of
Forests and Range

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

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STRUCTURAL DETAILS			
Number of Spans: 3	Length of Spans (m) [e.g. for a 3-span bridge – 20, 35, 20] 1.6, 25, 7.6		
Number of Piers: 2	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): 41	*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): 4.4		
*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			
*Site #: <u>CK-2230</u>	*Crossing Name:	(enter either longlat or UTM below - not both)	
*Structure #: <u>PIN</u>	*Forest District: <u>Chilliwack</u>	*Type/Class: ☐ Temporary bridge ☒ Permanent bridge	*Project File ID#: <u>B394</u>
*FSR Name: <u>BOISE</u>	*Kilometres: <u>7.6</u>	*User km: <u>5.0</u>	*Br. <u>02</u>
Longitude: (ddd / mm / ss.s) <u>49 34 15.0</u>		UTM Easting	UTM Northing
Latitude: (ddd / mm / ss.s) <u>122 41 47.1</u>		UTM Zone	
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	<u>BRIDGE APPROACHES FLARED</u>	
Bridge Ahead Signs Missing	0 1 <u>(2)</u>		
Brushing Required	<u>(Yes)</u> No		
Deflector Missing Left	0 <u>(1)</u> 2		
Deflector Missing Right	0 1 <u>(2)</u>		
Fender Condition	E G <u>(F)</u> P None UR	<u>OLD LOGS</u>	
Posted Load Rating	<u>(to tonnes) or (kN)</u>	<u>NOT POSTED</u>	
Road Surface	E G <u>(F)</u> P UR	<u>POT HOLES ON APPROACHES</u>	
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, in-situ)	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 <u>(F)</u> P N/A UR	<u>3x PIPE PISERS</u>	
Ballast Wall	E G <u>(F)</u> P N/A UR	<u>TREATED TIMBER</u>	
Wing Wall	E G F P <u>(N/A)</u> UR		
Bracing	E G <u>(F)</u> P N/A UR		
Hardware	E G <u>(F)</u> P N/A UR		
Fill	E G <u>(F)</u> P N/A UR		
Riprap	E <u>(G)</u> F P N/A UR		
Bearings	E G <u>(F)</u> P N/A UR	<u>RUBBER PADS</u>	
Corrosion Protection	E G <u>(F)</u> P N/A UR		
Span 1 of 3 (spans are numbered consecutively starting from the left abutment)			
Use Additional Span 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	<u>ROTEN 3" X 12" PLANKS</u>	
Sub-deck	E G <u>(F)</u> P N/A UR	<u>TREATED 4" PLANKS</u>	
Ties	E G <u>(F)</u> P N/A UR	<u>TREATED 8" X 10" TIES WITH 400mm SPACING</u>	
Nails	E G <u>(F)</u> P N/A UR	<u>SOME SICKENING OUT</u>	
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 Plating	E G F P <u>(N/A)</u> UR		
Gravel Surface	E G F P <u>(N/A)</u> UR		
Gravel Deck Depth	<u>metres or (N/A)</u>		
Curb Rail/Blocks/Posts	E G F <u>(P)</u> UR	<u>ROTEN TIMBER RAILS</u>	
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														
File # CK-2230					Inspection #									
SUPERSTRUCTURE														
Item	Present Condition (circle)			Comments (to comment is mandatory if condition "Poor" is selected)										
Girders	E	G	F	P	UR	3X STEEL I-BEAMS = STRUCTURE								
Diaphragms	E	G	F	P	UR									
Bracing	E	G	F	P	N/A									
Under-trussing	E	G	F	P	UR									
Hardware	E	G	F	P	N/A									
Welded / Grouded Shear Connectors	E	G	F	P	UR									
Stream/Channel														
Estimated Water Level Depth (m)	5			Estimated Water Level Depth (m)			Estimated Water Level Depth (m)							
HAZARDS (circle yes or no for each item)														
High Water?	Yes	No	Scour?	Yes	No	Ice?	Yes	No	Dobbs?	Yes	No	Aggradation?	Yes	No
Comments														
REPAIRS: ☒ Recommended ☐ Not required (High, Med, Medium, Low)														
Repair Item #	Priority (circle)	Estimate (\$)		Repair Description										
1	(H) M L			REPLACE STRUCTURE'S RUNDING PLANKS WITH INDUSTRIAL ACTIVITIES										
2	H M L													
3	H M L													
Monitoring Status: ☒ Recommended ☐ Not required (Monitor Discrepancy)														
Monitor Item #														
1														
2														
PHOTO LOG														
Photo #	Description			Photo # Description										
	RIGHT TO LEFT DAMAGED DECK			FROM DOWN STREAM										
	LEFT TO RIGHT			LEFT ABUT X8										
	FROM UPSTREAM			RIGHT ABUT X2										
INSPECTOR TO COMPLETE THIS SECTION														
As-built Drawings Checked?	Yes ☒ No ☐			P Eng Inspection Required?			Yes ☐ No ☒			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)	2010-08-08			Inspector's Name (print)			Ali Sadeh			Inspector's Signature				
Inspector's Comments														
PROFESSIONAL ENGINEER (PENG) TO COMPLETE THIS SECTION														
Current Load Rating GVW (tonnes): (P Eng to update structure table screen in CBR as necessary)			62			Date of Next Planned Inspection (yyyy/mm/dd)			2012/09/01					
Reviewer Company Name			MNRO			Reviewed by - P Eng's Name (print)			G. Dohm			Date Reviewed (yyyy/mm/dd)		
P Eng Reviewer's Comments			Downrate to 62 tonnes or BCL-625 until rotten running planks are replaced.											

FLAWED ON APPRA:
THIS EXTRA I-BEAM

AND RAIS

✓
RANKS WITHPhotos
RIGHT PIECE #2
LEFT PIECE #1
{ UNDERNEATH SPAN 2
LEFT PIECE #1
RIGHT ABUT X2
{ UNDERNEATH SPAN 3
MISSING RAIL



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

USE THIS SHEET FOR ADDITIONAL SPANS

GENERAL INFORMATION	
Site # <u>CK 2230</u>	Structure #

Span 2 **of** 3 (spans are numbered consecutively starting from the left abutment)

DECK			Comments (a comment is mandatory if condition "Poor" is selected)
Item	Present Condition (circle)		
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		ROTEN 3" x 12" TIMBER
Sub-deck	E G <u>(F)</u> P N/A UR		4" TREATED
Ties	E G <u>(F)</u> P N/A UR		8" x 6" TREATED
Nails	E G <u>(F)</u> P <u>(N/A)</u> UR		SOME SINKING OUT
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 F P <u>(N/A)</u> UR		
Gravel Deck Depth	metres or <u>(N/A)</u>		
Curb Rail/Blocks/Posts	E G F <u>(P)</u> UR		ROTEN RAILS
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		

SUPERSTRUCTURE			Comments (a comment is mandatory if condition "Poor" is selected)
Item	Present Condition (circle)		
Girders	E G <u>(F)</u> P UR		2x STEEL I-BEAMS
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		

PIER 1 **of** 2 (piers are numbered consecutively starting from the left abutment)

Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)
Caps	E G F P <u>(UR)</u>	
Piles or Posts	E G <u>(F)</u> P N/A UR	PIRE PILES x 5
Concrete	E G F P <u>(N/A)</u> UR	
Bracing or Sheathing	E G <u>(F)</u> P N/A UR	
Cribs	E G F P <u>(N/A)</u> UR	
Hardware	E G <u>(F)</u> P N/A UR	
Rip Rap	E G <u>(F)</u> P N/A UR	
Dolphins	E G F P <u>(N/A)</u> UR	
Bearings	E G <u>(F)</u> P N/A UR	RUBBER PADS
Wall	E G F P <u>(N/A)</u> UR	
Overall	E G <u>(F)</u> P UR	



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

USE THIS SHEET FOR ADDITIONAL SPANS

GENERAL INFORMATION		
Site #	Structure #	
CK-2230		
Span 3 of 3 (spans are numbered consecutively starting from the left abutment)		
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 (N/A) UR	
Running Planks	E G F (P) N/A UR	ROTTEN 3" x 12" TIMBER
Sub-deck	E G (F) P N/A UR	4" TREATED
Ties	E G (F) P N/A UR	8" x 10" TREATED
Nails	E G (F) (P) N/A UR	SOME SILLING OUT
Deck to Girder Bolts	E G F P (N/A) UR	
Concrete Deck	E G F P N/A UR	
Grout Pockets	E G F P N/A UR	
Deck Joints	E G F P N/A UR	
Steel Deck Plate	E G F P N/A UR	
Gravel Surface	E G F P N/A UR	
Gravel Deck Depth	metres, or N/A	
Curb Rail/Blocks/Posts	E G F (P) UR	ROTTEN RAILS
Handrails/ Walkouts	E G F P (N/A) UR	
Hardware	E G (F) P N/A UR	
Overall Deck Condition	E G (F) (P) UR	
SUPERSTRUCTURE		
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)
Girders	E G (F) P UR	3X STEEL I-BEAMS = FLAKED @ END
Diaphragms	E G F P (N/A) UR	
Brecing	E G (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	
PIER 2 of 2 (piers are numbered consecutively starting from the left abutment)		
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)
Caps	E G F P (UR)	
Piles or Posts	E G (F) P N/A UR	PIPE PILES X 15
Concrete	E G F P (N/A) UR	
Bracing or Sheathing	E G (F) P N/A UR	
Cribs	E G F P (N/A) UR	
Hardware	E G (F) P N/A UR	
Rip Rap	E G F P (N/A) UR	BLK ROCK CONTROLLED
Dolphins	E G F P (N/A) UR	
Bearings	E G (F) P N/A UR	
Wall	E G F P (N/A) UR	
Overall	E G (F) P UR	



CK2230 Right to left



CK2230 Damaged deck



CK2230 Left to right



CK2230 From upstream



CK2230 From downstream



CK2230 Left abutment



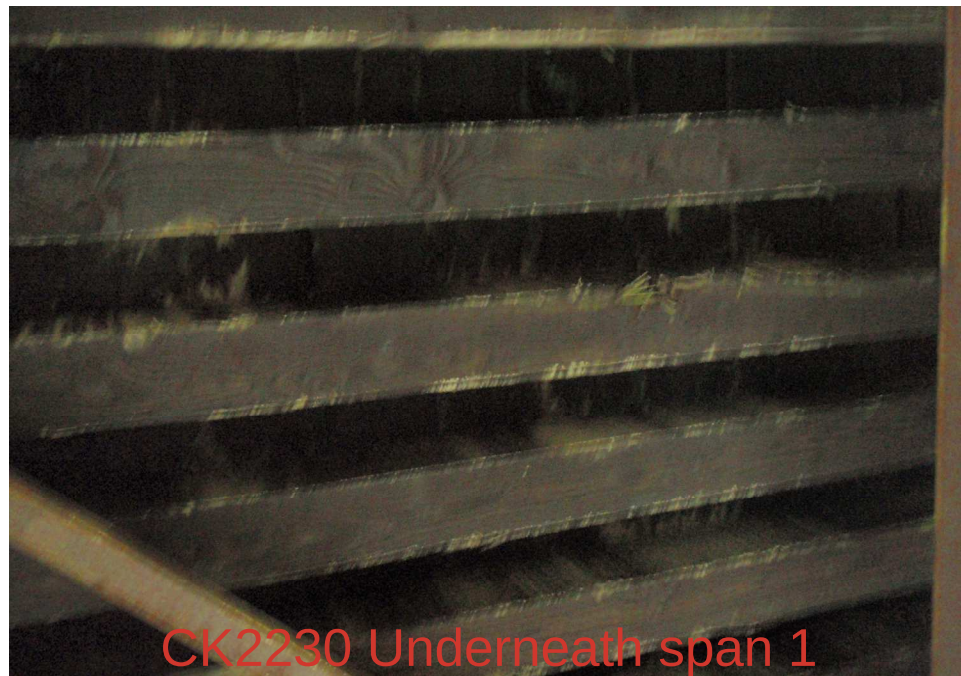
CK2230 Left abutment 2



CK2230 Pier#1



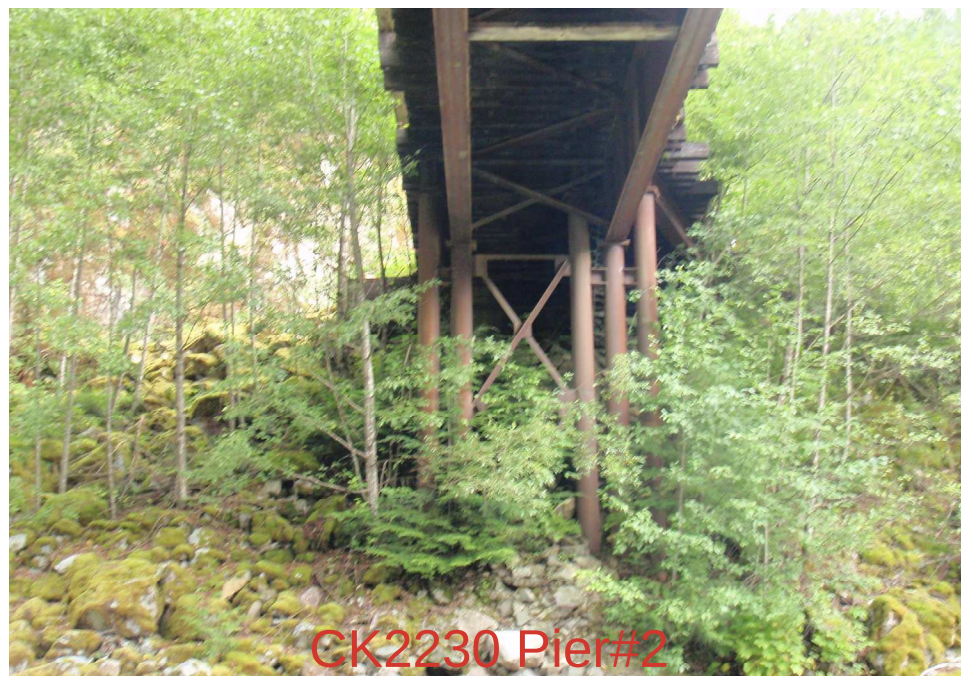
CK2230 Pier#1 pic 2



CK2230 Underneath span 1



CK2230 Pier#1 pic3



CK2230 Pier#2



CK2230 Underneath span 2



CK2230 Right abutment



CK2230 Right abutment2



CK2230 Right abutment3



CK2230 Underneath span 3



CK2230 Missing rail