

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

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

*Site #: <u>CK 2395</u>	*Crossing Name: <u>Big Silver River</u>	*Type/Class: ☐ Temporary bridge ☒ Permanent bridge	*Project File ID# <u>5748</u>
*Structure #:			*Br. <u>20</u>
*FSR Name:	*Forest District: <u>CK</u>	*Kilometres: <u>0.7</u>	User km: <u>0.7</u>
Longitude: (ddd / mm / ss.s) <u>121° 51' 41.2"</u>	OR	UTM Zone	UTM Easting
Latitude: (ddd / mm / ss.s) <u>49° 40' 00.0"</u>			UTM Northing

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>(P)</u> UR	Tight horizontal curves on each side
Bridge Ahead Signs Missing	0 1 <u>(2)</u>	
Brushing Required	Yes <u>(N)</u>	
Delineator Missing Left	0 1 <u>(2)</u>	
Delineator Missing Right	0 1 <u>(2)</u>	
Fender Condition	E G F P <u>(None)</u> UR	
Posted Load Rating	(tonnes) or <u>(None)</u>	
Road Surface	E <u>(G)</u> 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 <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	Bent - d/s. footing undermined p.s.m. in
Caps or Sills	E <u>(G)</u> F P N/A UR	Right slightly undermined
Piles or Posts	E <u>(G)</u> F P N/A UR	
Ballast Wall	E G F P <u>(N/A)</u> UR	Concrete - left has exposed rebar at top
Wing Wall	E G F P <u>(N/A)</u> UR	RIGHT IS GOOD
Bracing	E <u>(G)</u> F P N/A UR	
Hardware	E <u>(G)</u> F P N/A UR	
Fill	E <u>(G)</u> F P N/A UR	
Riprap	E <u>(G)</u> F P N/A UR	
Bearings	E <u>(G)</u> F P N/A UR	
Corrosion Protection	E <u>(G)</u> F P N/A UR	PAINTED

Span 1 of 2 (spans are numbered consecutively starting from the left abutment)

Use "Additional Spans" Sheet for Multiple Spans

DECK

Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)
Running Surface (N/A if running surface is gravel or timber planks)	E <u>(G)</u> F P N/A UR	
Running Planks	E G F P <u>(N/A)</u> UR	
Sub-deck	E G F P <u>(N/A)</u> UR	
Ties	E G F P <u>(N/A)</u> UR	
Nails	E G F P <u>(N/A)</u> UR	
Deck to Girder Bolts	E G F P <u>(N/A)</u> UR	
Concrete Deck	E <u>(G)</u> F P N/A UR	
Grout Pockets	E <u>(G)</u> F P N/A UR	
Deck Joints	E <u>(G)</u> F P N/A UR	
Steel Deck Plate	E G F P <u>(N/A)</u> UR	
Gravel Surface	E G F P <u>(N/A)</u> UR	
Gravel Deck Depth	metres or <u>(N/A)</u>	
Curb Rail/Blocks/Posts	E G F <u>(P)</u> UR	Rotten - REPLACE
Handrails/Walkouts	E G F P <u>(N/A)</u> UR	
Hardware	E G F P <u>(N/A)</u> UR	
Overall Deck Condition	E <u>(G)</u> F P UR	DUE TO

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

GENERAL INFORMATION				
*Site #: <u>CL 2395</u>		*Structure #:		
SUPERSTRUCTURE				
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)		
Girders	E (G) F P UR			
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 <u>0.6</u> (m)		*Est. Present Water Level Width <u>18</u> (m)	*Est. High Water Level Clearance <u>2.8</u> (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		REPAIR CONCRETE UNDER CIP FOOTINGS ON PIER - HAS SCURED TO BED ROCK! ENSURE THERE IS NO ADDITIONAL FILL EXPOSED UNDER FOOTINGS	
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	
1	R/L	5	D/S	
2	Guard rails	6	FROM D/S	
3	Deck Joints	7	Left abutment	
4	D/S	8	Pier from left	
		9	Left ballast wall	
		10	Right abutment	
			11 Girders	
			12 d/s butt footing x 2	
			13 d/s " "	
			14 Right abut	
			15 Pier from right	
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): <u>2050</u> (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) <u>2011/11/08</u>	*Inspection Company Name <u>CNS/RENGU</u>	*Inspector's Name (print) <u>J. C. F. ARAKI</u>	Inspector's Signature 	
Inspector's Comments <u>NO SETTLEMENT NOTED IN PIER BUT CONSIDER LOAD RATING UNTIL FIXED.</u>				
PROFESSIONAL ENGINEER (PENG) TO COMPLETE THIS SECTION				
Current Load Rating GVW (tonnes): <u>10 tonnes</u> (P Eng to update structure details screen in CBR as necessary)		Date of Next Planned Inspection (yyyy/mm/dd) <u>2012/09/30</u>		
Reviewer Company Name <u>MoF</u>	Reviewed by - P Eng's Name (print) <u>T. Miller</u>	Reviewed by - P Eng's Signature 	Date Reviewed (yyyy/mm/dd) <u>2012/05/28</u>	
P Eng Reviewer's Comments <u>Cast in place footings on pier have scoured out</u>				

and need to ensure proper bearing before load rating

* Denotes Mandatory Information for Corporate Bridge Register

can be lifted back to design loading. Completely seal (concrete) footings and riprap for protection. Limit loading to 10 tonnes until repair work can be completed. Replace guardrail, risers and sideblocks; grout left ballast wall

FS1337B HEG Oct. 18, 2010

to completely seal exposed rebar; replace all 4 delineators; post bridge ahead and updated load rating signs.

Send asbuilt information to RCO.



**Routine Condition Bridge Inspection Form**
(except for log stringer or timber stringer bridges)**USE THIS SHEET FOR ADDITIONAL SPANS**

GENERAL INFORMATION		
Site # <u>CK 2395</u>	Structure #	
Span <u>2</u> of <u>2</u> (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 <u>(G)</u> F P N/A UR	
Running Planks	E G F P <u>(N/A)</u> UR	
Sub-deck	E G F P <u>(N/A)</u> UR	
Ties	E G F P <u>(N/A)</u> UR	
Nails	E G F P <u>(N/A)</u> UR	
Deck to Girder Bolts	E G F P <u>(N/A)</u> UR	
Concrete Deck	E <u>(G)</u> F P N/A UR	
Grout Pockets	E <u>(G)</u> F P N/A UR	
Deck Joints	E <u>(G)</u> F P N/A UR	
Steel Deck Plate	E G F P <u>(N/A)</u> UR	
Gravel Surface	E G F P <u>(N/A)</u> UR	
Gravel Deck Depth	metres or <u>(N/A)</u>	
Curb Rail/Blocks/Posts	E G F <u>(P)</u> UR	HIT ON FLARE / ROT
Handrails/ Walkouts	E G F P <u>(N/A)</u> UR	
Hardware	E <u>(G)</u> F P N/A UR	
Overall Deck Condition	E <u>(G)</u> F P UR	
SUPERSTRUCTURE		
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)
Girders	E <u>(G)</u> F P UR	
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 <u>1</u> of <u>1</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 <u>(G)</u> F P UR	
Piles or Posts	E <u>(G)</u> F P N/A UR	
Concrete	E G F <u>(P)</u> N/A UR	(UNDERMINED)
Bracing or Sheathing	E <u>(G)</u> F P N/A UR	FULL SHEETS
Cribs	E G F P <u>(N/A)</u> UR	
Hardware	E <u>(G)</u> F 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 <u>(G)</u> F P N/A UR	
Wall	E G F P <u>(N/A)</u> UR	
Overall	E G F <u>(P)</u> UR	COLLOUSE ON FOOTINGS UNDERMINED SEE REPAIR



CK2395 Guard Rails



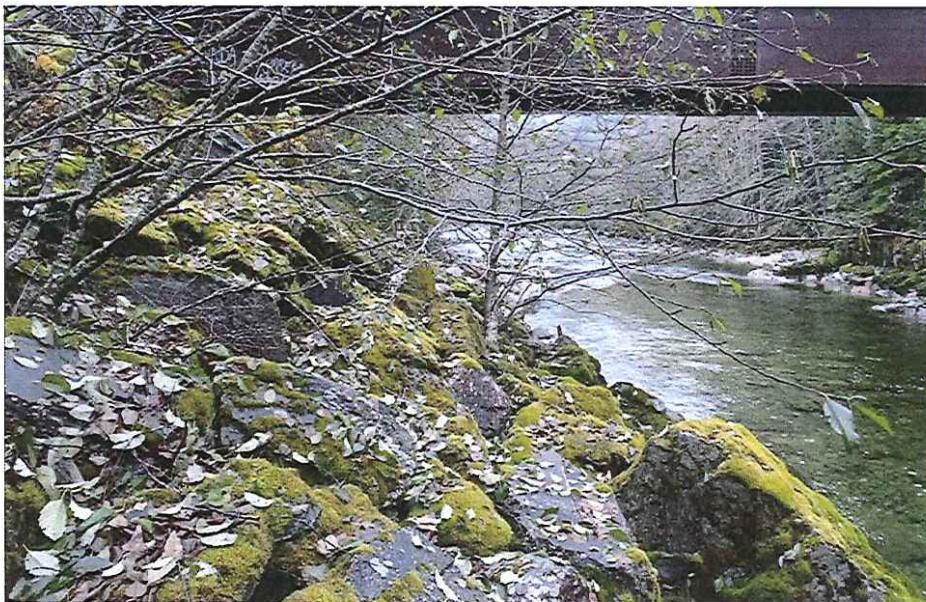
CK2395 Deck



CK2395 Upstream



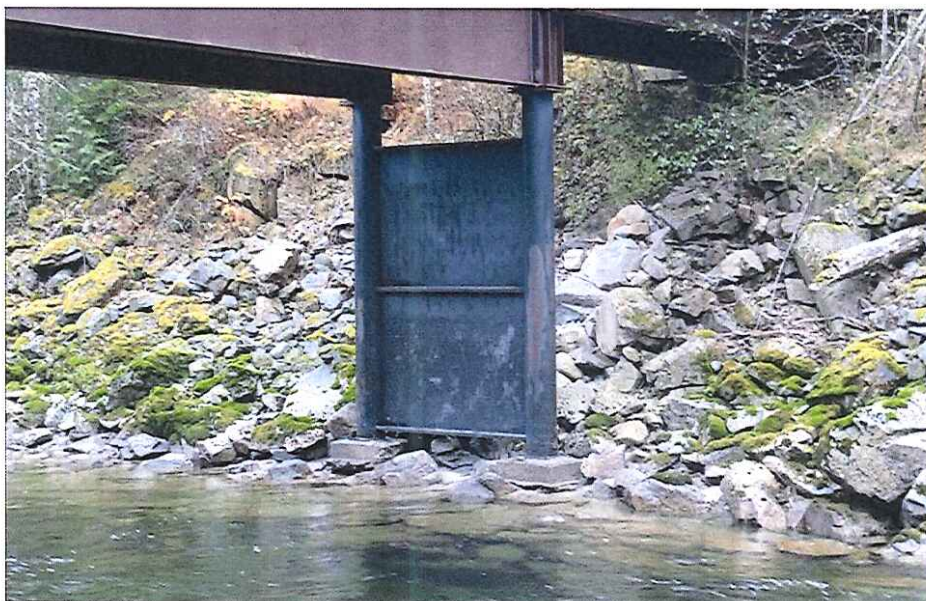
CK2395 Right to Left Approach



CK2395 Left Rip Rap



CK2395 Downstream



CK2395 Pier from Left



CK2395 From Upstream



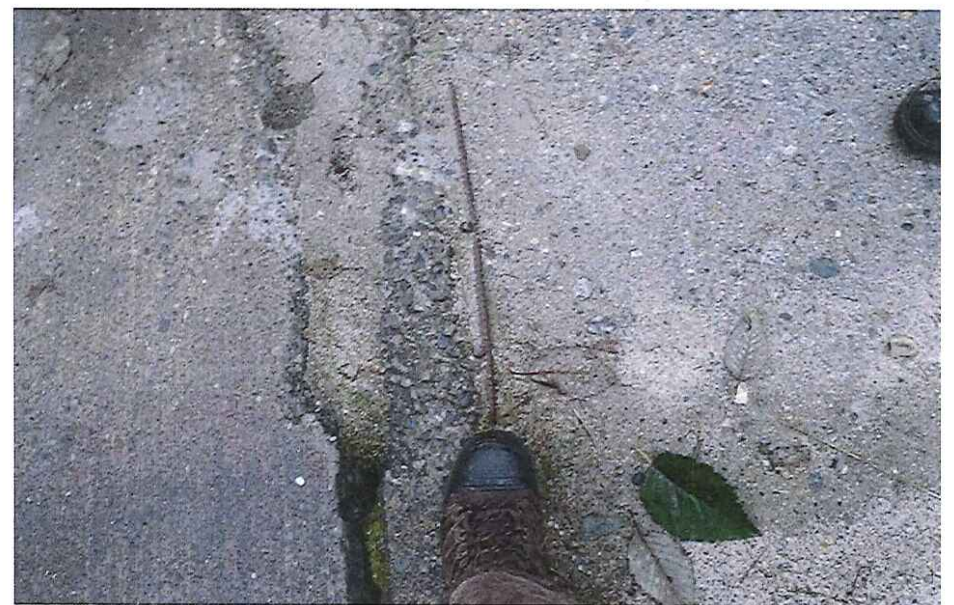
CK2395 Right Abutment



CK2395 Left Abutment



CK2395 Girders



CK2395 Left ballast wall damage



CK2395 Pier Undermining 3



CK2395 Pier Undermining 1



CK2395 Right Abutment2

CK2395 Pier Undermining 2





CK2395 Pier from Right