



BC Ministry of Forests and Range
Permanent Bridge Inspection Report

Page 1 of 3
Date Printed: 2014/12/18
User Id: IDIRITYSMILLE
Database: PROD
Report Id: CBR001A
File:

Structure #:	CK-2107	Site #:	CK-2107	Road Name:	HARRISON EAST	Inspection Date:	2014/08/26
KM:	24.80	User km:	24.80	Crossing Name:	Cogburn Creek	Next Inspection Date:	2017/08/26
Project File ID #:	5748	Br.	01	Forest District:	Chilliwack Natural Resource District		
Deck Type:	Concrete Composite	Running Surface:	Concrete	Abutments (Left/Right):	Steel Pipe and Precast Pad		
Superstructure	Steel I-beam	Abutments (Left/Right): <i>(looking downstream)</i>	Steel Pipe and Precast Pad				
Total Length (metres):	43.6	# Spans:	2	Span Length(s) (metres):	10, 24.9		
UTM Zone:	10	UTM Easting:	589600	UTM Northing:	5487835		
Inspector Name:	T. Miller	Year Superstructure Installed:	1990				
Access:	Drive north on road north of Harrison Hot Springs this road connects with Harrison East FSR.						

ABUTMENTS		
Bearings	Fair	
Bracing	Fair	
Ballast Wall	Good	creosoted timbers
Corrosion Protection	Fair	
Caps or Sills	Fair	steel plates and rubber pads
Fill	Fair	
Hardware	Not Applicable	
Piles or Posts	Good	
Riprap	Good	
Wing Wall	Not Applicable	
APPROACHES		
Alignment	Fair	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left <i>(approaching structure)</i>	0	
Delineator Missing Right <i>(approaching structure)</i>	0	
Fender Condition	Good	
Posted Load Rating	136	
Road Surface	Fair	
DECK		
Span 1		
Corporate Bridge Register (CBR)		

Disclaimer:

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- 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



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Concrete Deck	Fair						
Curb Rail/Blocks/Posts	Fair			sideblocks rotting and rail starting to get loose			
Deck Joints	Fair			impact damage at expansion joint			
Grout Pockets	Fair						
Hardware	Fair			loose rail bolts			
Hand Rails/Walkouts	Not Applicable						
Overall Deck Condition	Fair			consider replacing guardrail, risers and blocks			
Running Surface	Fair						
Span 2							
Concrete Deck	Fair						
Curb Rail/Blocks/Posts	Fair			sideblocks rotting and starting to get loose			
Deck Joints	Fair			impact damage at expansion joint			
Grout Pockets	Fair						
Hardware	Fair						
Hand Rails/Walkouts	Not Applicable						
Overall Deck Condition	Fair			consider replacing guardrail, risers and blocks			
Running Surface	Fair						
PIERS							
Pier 1							
Bearings	Good						
Bracing or Sheathing	Good						
Caps	Good						
Cribs	Not Applicable						
Dolphins	Not Applicable						
Hardware	Not Applicable						
Overall	Fair						
Piles or Posts	Fair			impacted on upstream post - rusting at impact location - inspect again next year			
Riprap	Good			BR			
Wall	Not Applicable						
SUPERSTRUCTURE							
Span 1							
Bracing	Good						
Corporate Bridge Register (CBR)							

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Diaphragms	Good						
Girders	Good						
Hardware	Good						
Under Trussing	Not Applicable						
Estimated Present Water Level Depth:	2.0	Estimated Present Water Level Width:	16.0				
Estimated High Water Level Clearance:	3.0						
High Water:	No	Scour:	No	Ice:	No	Debris:	Yes
Aggradation:	No						
Comment:							
#	Status	Priority	Estimate	Description			
1	Required	Medium	\$1,000.00	brush approaches			
#	Description						
1	damage to deck at expansion joint						
2	impact damage to pier on upstream post						
Inspector's Comment:	Brush approaches. Consider replacing guardrail, risers and blocks soon as rot detected in sideblocks. Monitor damage to upstream post of pier. There is rust on the impact location so damage has been here for sometime - inspect again next year. Monitor impact damage to deck at expansion joint. Present load rating of L150 or 136 tonnes to continue.						
Replacement Date for full log haul traffic (year):	2030	Replacement Date for light vehicle traffic (year):					
Current Inspection Load Rating:	136.00	Design Load GVW (tonnes):	136	Design Vehicle Config.:	L150		
Professional Inspection Required?	No	Report Status:	Accepted By Tyson Miller on 12/18/2014 2:19:09PM				

Corporate Bridge Register (CBR)

Professional Engineer
T.W. MILLER
35995
Dec 18/2014

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CK-2107

HARRISON EAST 24.8km

2014 Inspection



Approach from Left Bank when facing downstream



Deck



Left Bank Abutment when facing downstream



pier

CK-2107

HARRISON EAST 24.8km

2014 Inspection



Upstream Profile



pier



Left Bank Abutment when facing downstream



Right Bank Abutment when facing downstream

CK-2107

HARRISON EAST 24.8km

2014 Inspection



pier damage



super structures



panel damage at jumpspan



Approach from Right Bank when facing downstream