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BC Ministry of Forests and Range

Permanent Bridge Inspection Report

Structure #:	CK-2354	**Site #:**	CK-2354	**Road Name:**	HARRISON EAST	**Inspection Date:**	2013/07/04
KM:	16.80	**User km:**	16.80	**Crossing Name:**	Side Creek	**Next Inspection Date:**	2014/07/04
Project File ID #:	5748	**Br.**	01	**Forest District:**	Chilliwack Forest District		

Deck Type:	Concrete Removable		**Running Surface:**	Concrete	
Superstructure	Steel I-beam		**Abutments (Left/Right):**	Sill - Permanent Materials	
Total Length *(metres)*:	11.0	**# Spans:**	1	**Span Length(s)** *(metres)*:	0
UTM Zone:	10	**UTM Easting:**	589684	**UTM Northing:**	5481257
Inspector Name:	T. Miller	**Year Built:**		1996	

Access: Drive North on road North of Harrison Hot Springs. This road connects with Harrison East FSR.
Updated by M.Kirk, Onsite Engineering Ltd, Feb 2011

ABUTMENTS

Bearings	Fair	
Bracing	Good	
Ballast Wall	Fair	2 piece per side
Corrosion Protection	Fair	painted steel, rusting at panel joints
Caps or Sills	Good	steel I-beam cap
Fill	Fair	looks like D/S right has had problems in the past - monitor
Hardware	Not Applicable	
Piles or Posts	Fair	small diameter at 220mm
Riprap	Fair	
Wing Wall	Fair	only D/S right - concrete 2 piece

APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left	0	
Delineator Missing Right	0	
Fender Condition	Good	
Posted Load Rating	91	
Road Surface	Poor	pothoiles - req's grading

DECK

Span 1

Concrete Deck	Fair	minor track damage, deck is insloped at 2% approx, not crowned
Curb Rail/Blocks/Posts	Good	w-beam with steel risers
Deck to Girder Bolts	Not Applicable	

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Deck Joints	Fair	some cracks; monitor
Grout Pockets	Fair	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Fair	
Running Surface	Fair	sediment on deck

SUPERSTRUCTURE

Span 1

Bracing	Not Applicable	
Diaphrams	Fair	
Girders	Fair	4 steel I-beams (seperate bridges)
Hardware	Not Applicable	
Under Trussing	Not Applicable	

CHANNEL

Estimated Present Water Level Depth:	0.1	**Estimated Present Water Level Width:**	1.5
Estimated High Water Level Clearance:	1.5		

HAZARDS

High Water:	No	**Scour:**	Yes	**Ice:**	No	**Debris:**	No	**Aggradation:**	No

Comment: looks like D/S right has had problems in the past - monitor for scour and settlement

REPAIRS

#	Status	Priority	Estimate	Description
1	Recommended	Medium	$1.00	grade out potholes at approaches

MONITORS

#	Description
2	monitor right D/S riprap for scour and structure settlement

GENERAL

Professional Inspection Required?	No	**Regional Review Date:**	2013/08/26	**P. Eng Reviewer Name:**	Tyson Miller
Replacement Date for full log haul traffic *(year)*:	2036	**Replacement Date for light vehicle traffic** *(year)*:	2036		
Current Load Rating GVW *(tonnes)*:	91	**Design Load GVW** *(tonnes)*:	91	**Design Vehicle Config.:**	L100
Inspector's Estimated Full Log Haul Replacement *(year)*:					

Inspector's Comment:

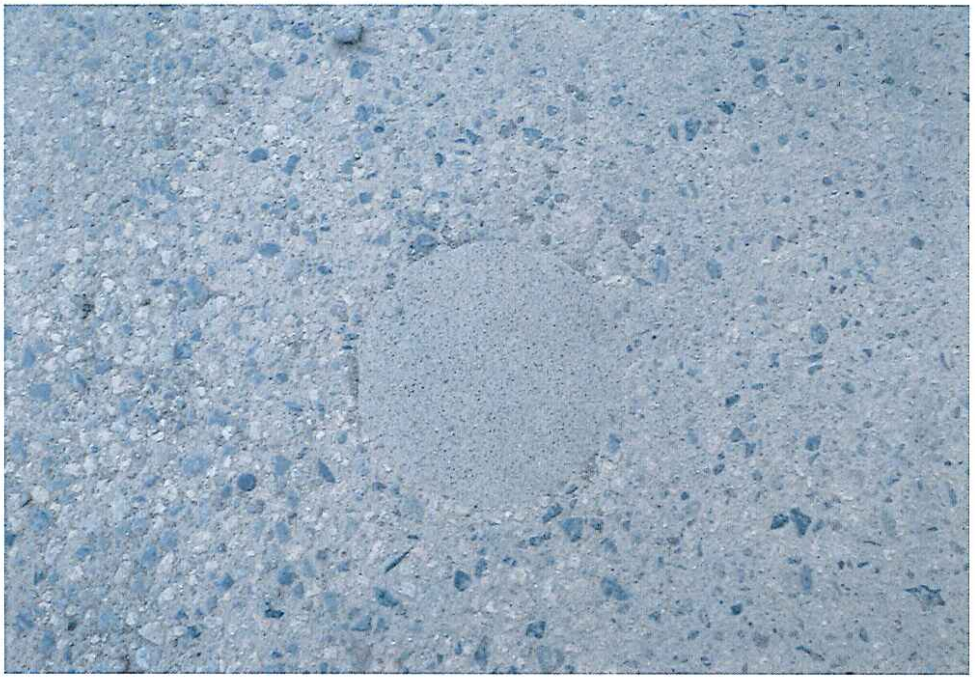
PEng Reviewer's Comment: Grade approaches. Monitor right downstream riprap for scour and corresponding structure settlement. Monitor deck panel joints for cracking. Present load rating of L100 or 91 tonnes to continue.

Aug 26/2013

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
T.W. MILLER
35995

SINGLE LANE BRIDGE
BRIDGE LOAD LIMIT
90,680 kg G.V.W.

BRIDGE
LOAD LIMIT
90,680
kg G.V.W.



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RUIZ