Date Printed: 2013/12/19
User Id: IDIR\TYSMILLE
Database: PROD
Report Id: CBR001A

BC Ministry of Forests and Range

Permanent Bridge Inspection Report

Structure #:	CK-2240	**Site #:**	CK-2240	**Road Name:**	SPUZZUM CREEK	**Inspection Date:**	2013/10/29
KM:	5.30	**User km:**	5.00	**Crossing Name:**	5 Mile Creek	**Next Inspection Date:**	2016/10/29
Project File ID #:	8128	**Br.**	01	**Forest District:**	Chilliwack Forest District		

Deck Type:	Concrete	**Running Surface:**	Concrete
Superstructure	Concrete Slab Girders	**Abutments (Left/Right):**	Concrete Cast in Place

Total Length *(metres)*:	19.3	**# Spans:**	1	**Span Length(s)** *(metres)*:	19
UTM Zone:	10	**UTM Easting:**	610292	**UTM Northing:**	5503600
Inspector Name:	T. Miller	**Year Built:**		1990	

Access: Turn left off of Highway #1 north of Hope onto Spuzzum Creek FSR.
Updated by M.Kirk, Onsite Engineering Ltd, Jan 2011

ABUTMENTS

Bearings	Fair	
Bracing	Not Applicable	
Ballast Wall	Fair	creosoted timbers
Concrete Cast in Place	Fair	
Corrosion Protection	Not Applicable	
Caps or Sills	Fair	rubber pad
Fill	Fair	failing U/S left approach
Hardware	Not Applicable	
Piles or Posts	Not Applicable	
Riprap	Fair	BR left, old stringers holding fill right
Wing Wall	Fair	only D/S - concrete

APPROACHES

Alignment	Fair	HC both approaches
Bridge Ahead Signs Missing	2	
Brushing Required	Yes	but minor
Delineator Missing Left	0	
Delineator Missing Right	0	
Fender Condition	Fair	butmissing D/S left approach
Posted Load Rating	54	
Road Surface	Fair	

DECK

Span 1

Concrete Deck	Fair	
Curb Rail/Blocks/Posts	Fair	rot detected in risers and blocks but still ok

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Deck Joints	Not Applicable	
Grout Pockets	Not Applicable	
Grout Pockets	Not Applicable	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Fair	
Running Surface	Fair	sediment on deck

SUPERSTRUCTURE

Span 1

Bracing	Not Applicable	
Hardware	Not Applicable	
Welded/grouted shear connect	Fair	internal 4 slabs are grouted, outside slabs are not attached to other slabs

CHANNEL

Estimated Present Water Level Depth:	0.3	**Estimated Present Water Level Width:**	5.0
Estimated High Water Level Clearance:	5.0		

HAZARDS

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

REPAIRS

#	Status	Priority	Estimate	Description
1	Recommended	Medium	$1.00	Post bridge ahead signs
2	Recommended	Medium	$1.00	brush and replace missing fender
3	Recommended	Medium	$1.00	repair failing fill on U/S left approach

MONITORS

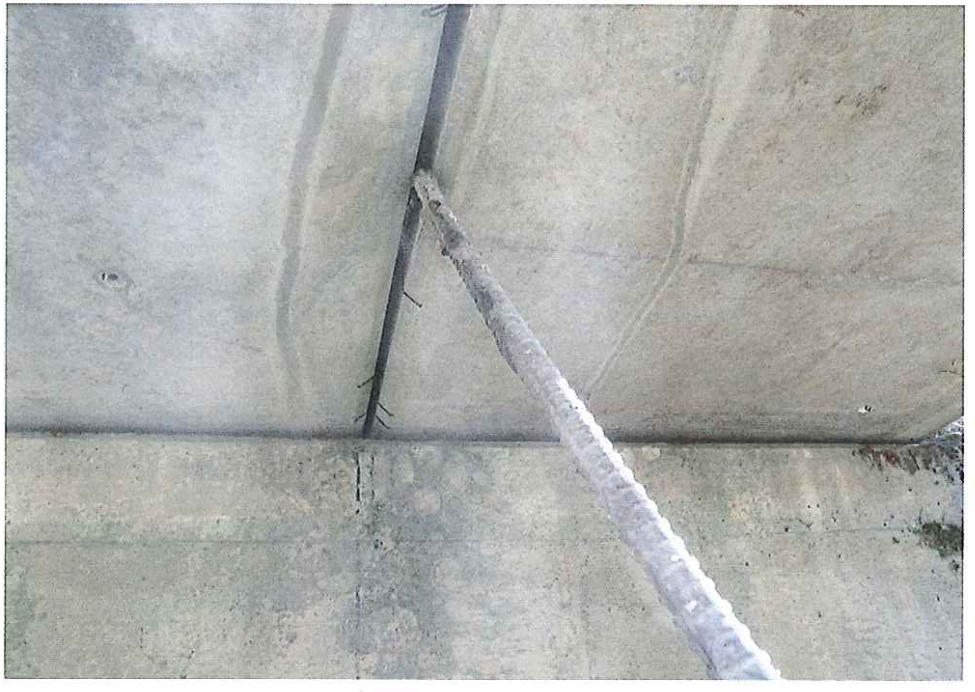
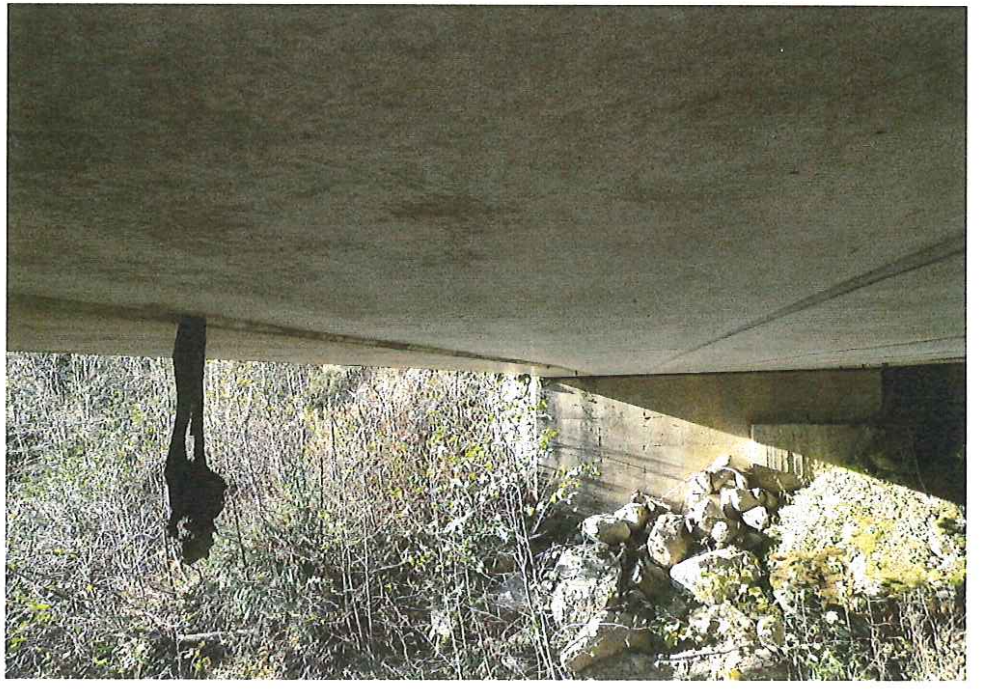
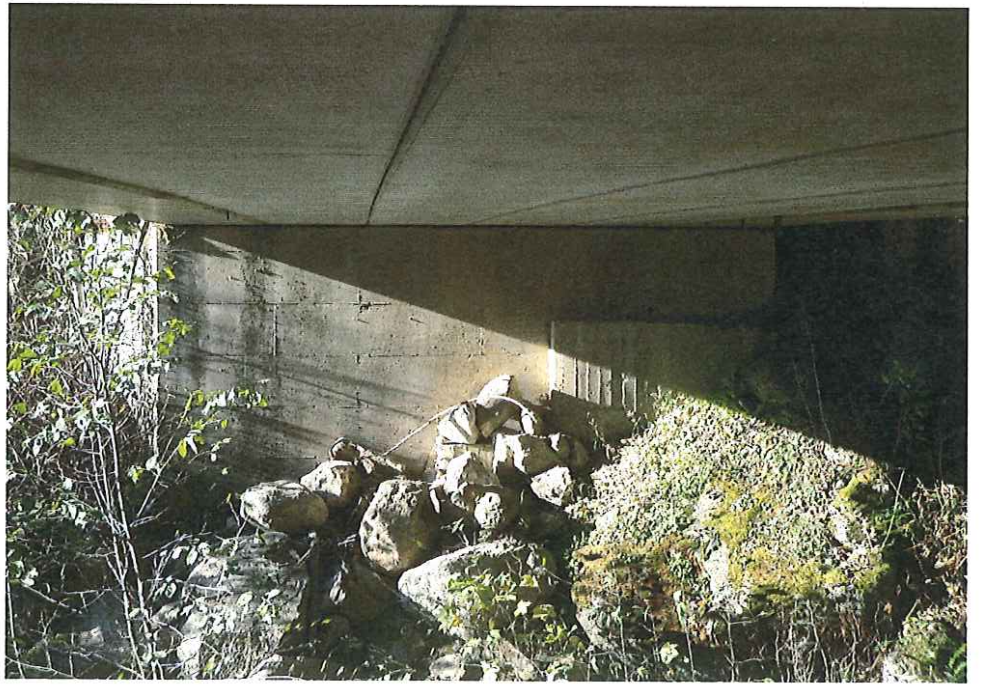
#	Description
1	failing fill left U/S approach
2	independent (no shear connections) slab girders upstream and downstream.

GENERAL

Professional Inspection Required?	No	**Regional Review Date:**	2013/11/22	**P. Eng Reviewer Name:**	Tyson Miller
Replacement Date for full log haul traffic *(year)*:	2035	**Replacement Date for light vehicle traffic** *(year)*:		2035	
Current Load Rating GVW *(tonnes)*:	54	**Design Load GVW** *(tonnes)*:	54	**Design Vehicle Config.:**	L60
Inspector's Estimated Full Log Haul Replacement *(year)*:					

Inspector's Comment:	
PEng Reviewer's Comment:	Post bridge ahead signs; place missing fender; brush approaches and repair the failing fill on the left upstream approach. Monitor the 2 independent (no shear connection) slab girders upstream and downstream. Present load rating of L60 or 54 tonnes to continue.

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

Dec 19/2013

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