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-2196	**Site #:**	CK-2196	**Road Name:**	NAHATLATCH	**Inspection Date:**	2013/10/01
KM:	0.80	**User km:**	0.80	**Crossing Name:**	Nahatlatch River	**Next Inspection Date:**	2014/10/01
Project File ID #:	6996	**Br.**	01	**Forest District:**	Chilliwack Forest District		

Deck Type:	Concrete Composite			**Running Surface:**	Concrete
Superstructure	Steel I-beam			**Abutments (Left/Right):**	Concrete Cast in Place
Total Length *(metres)*:	71.3	**# Spans:**	3	**Span Length(s)** *(metres)*:	16.1, 40, 15.2
UTM Zone:	10	**UTM Easting:**	605917	**UTM Northing:**	5537381
Inspector Name:	T. Miller	**Year Built:**		1987	
Access:	Updated by M.Kirk, Onsite Engineering Ltd, Jan 2011				

ABUTMENTS

Bearings	Fair	
Bracing	Not Applicable	
Ballast Wall	Fair	treated timbers
Concrete Cast in Place	Fair	
Corrosion Protection	Not Applicable	
Caps or Sills	Unrated	steel plates
Fill	Fair	U/S right settlement
Hardware	Fair	
Piles or Posts	Not Applicable	
Riprap	Good	BR
Wing Wall	Poor	U/S right has 2 walls; upper wall concrete, lower wall treated timbers with tiebacks, tiebacks are rotting and wall leaning out slightly

APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left	0	
Delineator Missing Right	0	
Fender Condition	Good	concrete no posts
Posted Load Rating	68	
Road Surface	Fair	

DECK

Span 1

Concrete Deck	Fair	minor surface damage

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Curb Rail/Blocks/Posts	Good	treated blocks and risers
Deck Joints	Fair	minor cracking
Grout Pockets	Fair	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Fair	
Running Surface	Fair	
Span 2		
Concrete Deck	Fair	minor surface damage
Curb Rail/Blocks/Posts	Good	
Deck Joints	Fair	minor cracking
Grout Pockets	Fair	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Fair	
Running Surface	Fair	sediment on deck
Span 3		
Concrete Deck	Fair	minor surface damage
Curb Rail/Blocks/Posts	Good	
Deck Joints	Fair	some cracking
Grout Pockets	Fair	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Fair	
Running Surface	Fair	sediment on deck
PIERS		
Pier 1		
Bearings	Fair	
Bracing or Sheathing	Fair	bolted
Caps	Fair	Steel H cap
Cribs	Not Applicable	
Dolphins	Not Applicable	
Hardware	Fair	
Overall	Fair	
Piles or Posts	Fair	H beams

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Riprap	Not Applicable	
Wall	Not Applicable	
Pier 2		
Bearings	Fair	
Bracing or Sheathing	Not Applicable	
Caps	Fair	rubber pads
Cribs	Not Applicable	
Dolphins	Not Applicable	
Hardware	Fair	
Overall	Fair	
Piles or Posts	Fair	concrete CIP
Riprap	Not Applicable	on BR
Wall	Not Applicable	
SUPERSTRUCTURE		
Span 1		
Bracing	Fair	bolted and rusting
Diaphrams	Fair	3x, bolted and rusting
Girders	Fair	2 steel I-beams, rusting
Hardware	Fair	
Under Trussing	Not Applicable	
Span 2		
Bracing	Fair	bolted
Diaphrams	Fair	bolted
Girders	Fair	2 steel I beams, rusting
Hardware	Fair	
Under Trussing	Not Applicable	
Span 3		
Bracing	Fair	painted and bolted
Diaphrams	Fair	painted and bolted
Girders	Fair	2 steel I beams with surface rust and painted at pier
Hardware	Fair	
Under Trussing	Not Applicable	

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CHANNEL

Estimated Present Water Level Depth:	3.0	Estimated Present Water Level Width:	10.0
Estimated High Water Level Clearance:	10.0		

HAZARDS

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

Comment:

REPAIRS

#	Status	Priority	Estimate	Description

MONITORS

#	Description
1	cracks in deck joints
2	rusting steel
3	lower wingwall at upstream right side

GENERAL

Professional Inspection Required?	No	Regional Review Date:	2013/11/19	P. Eng Reviewer Name:	Tyson Miller
Replacement Date for full log haul traffic *(year)*:	2027	Replacement Date for light vehicle traffic *(year)*:			
Current Load Rating GVW *(tonnes)*:	68	Design Load GVW *(tonnes)*:	68	Design Vehicle Config.:	L75
Inspector's Estimated Full Log Haul Replacement *(year)*:					

Inspector's Comment:

PEng Reviewer's Comment: Monitor steel corrosion, the deck joints and the wingwall on the town upstream right side for further settlement. Settlement of timber wingwall does not appear any different then what was evident in the 2010 photos. Present load rating of L75 or 68 tonnes to continue.

District Staff Comment:

Dec 19/2013

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

SINGLE
LANE
BRIDGE
BRIDGE
LOAD LIMIT
68,040
kg GVW

SINGLE
LANE
BRIDGE