



BC Ministry of Forests, Lands, and Natural Resource Operations

Permanent Bridge Inspection Report

Page: 1 of 4
Date Printed: 2019/02/01
User Id: IDIR\TYSMILLE
Database: PROD
Report Id: CBR001A

Structure #:	CK-2196	Site #:	CK-2196	Road Name:	NAHATLATCH	Inspection Date:	2018/06/12
KM:	0.80	User km:	4.80	Crossing Name:	Nahatlatch River	Next Inspection Date:	2021/08/31
Project File ID #:	6996	Br.	01	Forest District:	Chilliwack Natural Resource District		
Deck Type:	Concrete Composite			Running Surface:	Concrete		
Superstructure	Steel I-beam			Abutments (looking downstream)	Left Right	Steel Pipe and Precast Pad Concrete Cast in Place	
Total Length (metres):	77.4	# Spans:	3	Span Length(s) (metres):	16.1, 40, 21.1		
UTM Zone:	10	UTM Easting:	605917	UTM Northing:	5537381		
Inspector Name:	Tyson Miller		Year Superstructure Installed:	Spans 1 & 2 installed in 1987 Span 3 installed in 2014			
Access:							

ABUTMENTS

Bearings	Fair	
Bracing	Unrated	not visible
Ballast Wall	Good	Tieback system on both walls, 2 anchors each wall
Concrete Cast in Place	Fair	only on left bank
Corrosion Protection	Fair	light corrosion
Fill	Fair	
Piles or Posts	Good	Right abutment is new steel pipe, left bank is fair with concrete pedestals
Riprap	Good	BR controlled canyon

APPROACHES

Alignment	Fair	HC and VC left approach
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	No post barriers, left bank has mixed sizes
Posted Load Rating	63730	
Road Surface	Fair	Potholes at both approaches

DECK

Span 1

Corporate Bridge Register (CBR)

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Concrete Deck	Fair	top portion of lifting hook pockets has deteriorated
Curb Rail/Blocks/Posts	Good	HSS
Deck Joints	Fair	hairline cracks noted on the surface
Grout Pockets	Good	
Hardware	Good	
Overall Deck Condition	Fair	
Running Surface	Fair	Sediment on deck

Span 2

Concrete Deck	Fair	top portion of lifting hook pockets has deteriorated
Curb Rail/Blocks/Posts	Good	
Deck Joints	Fair	Hairline cracks noted on the surface
Grout Pockets	Good	
Hardware	Good	
Overall Deck Condition	Fair	main span
Running Surface	Good	

Span 3

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Overall Deck Condition	Good	replaced in 2014
Running Surface	Good	

PIERS

Pier 1

Bearings	Fair	top plate slightly deformed, bolts sheared of both bearing location but steel restrainers welded in place
Bracing or Sheathing	Fair	
Caps	Fair	steel H beam
Overall	Fair	
Piles or Posts	Fair	steel H posts, tapered at bottom

Pier 2

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Bearings	Good	good for right span and fair for main span set
Bracing or Sheathing	Not Applicable	towers not tall enough for bracing
Overall	Fair	2 sets of pedestals, see pictures for reference
Piles or Posts	Good	only for right jump span pier

SUPERSTRUCTURE

Span 1

Bracing	Fair	light surface corrosion
Diaphragms	Fair	light surface corrosion
Girders	Fair	light surface corrosion
Hardware	Fair	light surface corrosion

Span 2

Bracing	Fair	light surface corrosion
Diaphragms	Fair	light surface corrosion
Girders	Fair	light surface corrosion
Hardware	Fair	light surface corrosion

Span 3

Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	

CHANNEL	Estimated Present Water Level Depth:	3.0	Estimated Present Water Level Width:	20.0
	Estimated High Water Level Clearance:	40.0		

HAZARDS	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:	Stream is bedrock controlled								

REPAIRS	#	Status	Priority	Estimate	Description
	1	Suggested	Medium	\$	Grade approaches
	2	Suggested	Medium	\$	regROUT lifting hook pockets of deck panels on spans 1 and 2

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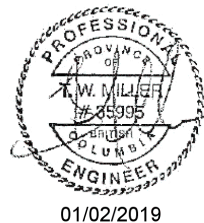


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MONITORS	#	Description					
GENERAL	Inspector's Comment:	The right span was replaced in 2014 and is good condition. The main and left spans are older and in fair condition					
GENERAL	PEng's Comment:	Re-grout the lifting hook pockets on spans 1 and 2. Grade approaches. Present load rating of BCL-625 or 63 tonnes to continue.					
GENERAL	Replacement Date for full log haul traffic (year):		2032		Replacement Date for light vehicle traffic (year):		
	Current Inspection Load Rating:		63		Design Load GVW (tonnes):		63
					Design Vehicle Config.:		BCL625
	Professional Inspection Required?	No	Report Status:	In Progress By IDIR\TYSMILLE on 2019/02/01 10:11:38			



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Approach from Right Bank when facing downstream



Right span to main span deck seal in place and functional



Right span deck



Main span deck



Upstream from Crossing



Main span to left seal in place and functional but separating



Downstream from Crossing



Approach from Left Bank when facing downstream



Approach from Left Bank when facing downstream



Left span superstructure



Ballast walls tieback system, typical both walls



Left pier

CK-2196

NAHATLATCH 4.8km

2018 Inspection



Left span to main span connection



Right span structure ID



Left span to main span restrainers in place and functional



Left Bank Abutment when facing downstream



Main span superstructure



Right Bank Abutment when facing downstream



Main span left abutment and right span left abutment



Right span superstructure