



BC Ministry of Forests and Range

Permanent Bridge Inspection Report

Page 1 of 5

Date Printed: 2015/02/17

User Id: IDIR\TYSMILLE

Database: PROD

Report Id: CBR001A

File:

Structure #:	CK-2226	Site #:	CK-2226	Road Name:	PITT-BOISE	Inspection Date:	2014/11/12
KM:	0.30	User km:	0.30	Crossing Name:	Pitt River	Next Inspection Date:	2017/11/12
Project File ID #:	8394	Br.	02	Forest District:	Chilliwack Natural Resource District		
Deck Type:	Timber - Untreated			Running Surface:	Timber Planks		
Superstructure	Steel I-beam			Abutments (Left/Right): (looking downstream)	Pile -Permanent Materials/Sill - Permanent		
Total Length (metres):	91.0	# Spans:	4	Span Length(s) (metres):	0, 0, 0, 0		
UTM Zone:	10	UTM Easting:	525837	UTM Northing:	5491653		
Inspector Name:	T. Miller			Year Superstructure Installed:	1986		
Access:	Updated by M.Kirk, Onsite Engineering Ltd, Jan 2011						

ABUTMENTS

Bearings	Fair	steel H beams and caps welded to girders
Bracing	Not Applicable	
Ballast Wall	Fair	treated timbers
Corrosion Protection	Poor	none
Caps or Sills	Fair	steel H cap on right abutment
Fill	Fair	
Hardware	Not Applicable	
Piles or Posts	Fair	steel H beams
Riprap	Fair	
Wing Wall	Not Applicable	

APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	2	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	1	
Delineator Missing Right (approaching structure)	1	
Fender Condition	Fair	
Posted Load Rating	not	not posted
Road Surface	Fair	

DECK

Span 1

Corporate Bridge Register (CBR)

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Structure #:	CK-2226	Site #:	CK-2226	Road Name:	PITT-BOISE	Inspection Date:	2014/11/12
Curb Rail/Blocks/Posts	Poor	rotten					
Deck to Girder Bolts	Fair						
Hardware	Poor	loose rail and protruding nails					
Hand Rails/Walkouts	Not Applicable						
Nails	Poor	running plank nails protruding					
Overall Deck Condition	Poor	due to running planks and rail condition					
Running Planks	Poor	rotten					
Sub Deck	Fair	treated					
Ties	Fair	treated					
Span 2							
Curb Rail/Blocks/Posts	Poor	rotten					
Deck to Girder Bolts	Fair						
Hardware	Poor	loose rail and protruding nails					
Hand Rails/Walkouts	Not Applicable						
Nails	Poor	running plank nails protruding					
Overall Deck Condition	Poor	due to running planks and rail					
Running Planks	Poor	rotten					
Sub Deck	Fair	treated					
Ties	Fair	treated					
Span 3							
Curb Rail/Blocks/Posts	Poor	rotten					
Deck to Girder Bolts	Fair						
Hardware	Poor	loose rail and protruding nails					
Hand Rails/Walkouts	Not Applicable						
Nails	Poor	runningplank nails protruding					
Overall Deck Condition	Poor	due to running planks and rail					
Running Planks	Poor	rotten					
Sub Deck	Fair	treated					
Ties	Fair	treated					
Span 4							
Curb Rail/Blocks/Posts	Poor	rotten					
Deck to Girder Bolts	Fair						

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Hardware	Poor	loose rail and protruding nails					
Hand Rails/Walkouts	Not Applicable						
Nails	Poor	running plank nails protruding					
Overall Deck Condition	Poor	due to running planks and rail					
Running Planks	Poor	rotten					
Sub Deck	Fair	treated					
Ties	Fair	treated					
PIERS							
Pier 1							
Bearings	Fair						
Bracing or Sheathing	Fair						
Caps	Fair	steel plate					
Cribs	Not Applicable						
Dolphins	Not Applicable						
Hardware	Fair						
Overall	Fair						
Piles or Posts	Fair	H beams					
Riprap	Fair	none					
Wall	Not Applicable						
Pier 2							
Bearings	Fair						
Bracing or Sheathing	Not Applicable	CIP concrete					
Caps	Fair						
Cribs	Not Applicable						
Dolphins	Not Applicable						
Hardware	Fair						
Overall	Fair						
Piles or Posts	Not Applicable						
Riprap	Not Applicable	none - CIP					
Wall	Not Applicable						
Pier 3							
Bearings	Fair						

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Bracing or Sheathing	Fair	
Caps	Fair	H beam
Cribs	Not Applicable	
Dolphins	Not Applicable	
Hardware	Fair	welded connections
Overall	Fair	
Piles or Posts	Fair	4 H beams
Riprap	Fair	
Wall	Not Applicable	

SUPERSTRUCTURE

Span 1

Bracing	Fair	
Diaphragms	Fair	
Girders	Fair	
Hardware	Fair	
Under Trussing	Not Applicable	

Span 2

Bracing	Fair	
Diaphragms	Fair	
Girders	Fair	
Hardware	Fair	
Under Trussing	Not Applicable	

Span 3

Bracing	Fair	
Diaphragms	Fair	
Girders	Fair	
Hardware	Fair	
Under Trussing	Not Applicable	

Span 4

Bracing	Fair	
Diaphragms	Fair	
Girders	Fair	
Hardware	Fair	

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Structure #:	CK-2226	Site #:	CK-2226	Road Name:	PITT-BOISE	Inspection Date:	2014/11/12				
Under Trussing		Not Applicable									
CHANNEL	Estimated Present Water Level Depth:		2.0		Estimated Present Water Level Width:		50.0				
	Estimated High Water Level Clearance:		3.0								
HAZARDS	High Water:	No	Scour:	No	Ice:	No	Debris:	Yes	Aggradation:	No	
	Comment:										
REPAIRS	#	Status	Priority	Estimate	Description						
	1	Required	High	\$1.00	Replace running planks						
	2	Required	High	\$1.00	replace guardrail and risers						
	3	Required	Medium	\$1.00	replace missing delineators						
	4	Required	Low	\$1.00	brush approaches						
MONITORS	#	Description									
	1	Monitor debris buildup									
GENERAL	Inspector's Comment:	Replace running planks, guardrail and risers. Replace missing delineators, post bridge ahead signs and brush approaches prior to industrial activity. Monitor debris build up at inlet. Present load rating of of L45 or 41 tonnes to continue.									
	Replacement Date for full log haul traffic (year):		2026		Replacement Date for light vehicle traffic (year):		2026				
	Current Inspection Load Rating:		41.00		Design Load GVW (tonnes):		91		Design Vehicle Config.:		Other
	Professional Inspection Required?		No		Report Status:		Accepted By Tyson Miller on 2/17/2015 3:40:09PM				
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CK-2226

PITT-BOISE 0.3km

2014 Inspection



Approach from Left Bank when facing downstream



Deck



Left Bank Abutment when facing downstream



pier 1

CK-2226

PITT-BOISE 0.3km

2014 Inspection



span 1 - span 2 connection



span 1 - span 2 connection



pier 2



Downstream Profile

CK-2226

PITT-BOISE 0.3km

2014 Inspection



left bearing typical



span 1 pier 1 connection - typical



span 2 pier 2 connection typical



span 3 pier 3 connection typical

CK-2226

PITT-BOISE 0.3km

2014 Inspection



Right Bank Abutment when facing downstream



pier 3